Hewlett Packard Enterprise

# HPE NNM iSPI Performance for Metrics

Software Version: 10.20
Windows® and Linux ® operating systems

## Dictionary of Metrics

Document Release Date: August 2016
Software Release Date: July 2016

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## Acknowledgements

This product includes software developed by the Apache Software Foundation. (http://www.apache.org).

This product includes software developed by the Visigoth Software Society (http://www.visigoths.org/).

# Contents

# Metrics Definition and Topology Attributes

This document provides the metrics definition and topology attributes for the following reports:



# Dictionary for Interface_Health

## Topology

| | | |
|---|---|---|
| InterfaceTopology | Interface Alias | The alias of the interface. |
| InterfaceTopology | Interface Annotation | Interface annotation. |
| InterfaceTopology | Interface Descr | The description of the interface. |
| InterfaceTopology | Interface ID | Unique ID of the interface. |
| InterfaceTopology | Interface Index | The index of the interface. |
| InterfaceTopology | Interface Name | The name of the interface. |
| InterfaceTopology | Interface ODBID | Do not use this attribute for filtering the report (this attribute is used internally by HP Software products). |
| InterfaceTopology | Interface Physical Address | The physical address of the interface. |
| InterfaceTopology | Interface Speed (In:Out) | The speed of the interface (ifInSpeed:ifOutSpeed). |
| InterfaceTopology | Interface Type | The type of the interface. |
| InterfaceTopology | Interface UUID | |
| InterfaceTopology | Node Annotation | Node annotation. |
| InterfaceTopology | Node Contact | Node contact. |
| InterfaceTopology | Node Family | Family of the node that hosts the interface. |
| InterfaceTopology | Node ID | Unique ID of the node that hosts the interface. |

| | | |
|---|---|---|
| InterfaceTopology | Node Location | Location of the node that hosts the interface. |
| InterfaceTopology | Node Name | Hostname of the node that hosts the interface. |
| InterfaceTopology | Node ODBID | Do not use this attribute for filtering the report (this attribute is used internally by HP Software products). |
| InterfaceTopology | Node Short Name | Short name of the node that hosts the interface. |
| InterfaceTopology | Node UUID | UUID of the node that hosts the interface. |
| InterfaceTopology | Node Vendor | Vendor of the node that hosts the interface. |
| InterfaceMetrics | Object Name | Object Name is used by most extensionPacks to identify instrumented object instance. |
| InterfaceMetrics | Object Type | Object Type is used by most extensionPacks to identify instrumented object type. |
| InterfaceTopology | Qualified Interface Name | The fully qualified domain name of the interface. |
| InterfaceTopology | SecGroup Name | Name of the security group where the interface belongs. |
| InterfaceTopology | SecGroup UUID | UUID of the security group where the interface belongs. |
| InterfaceTopology | Tenant Name | Name of the tenant group where the interface belongs. |
| InterfaceTopology | Tenant UUID | UUID of the tenant group where the interface belongs. |

# Metrics

| | | |
|---|---|---|
| InterfaceMetrics | ACKFailureCount (sum) | Total number of times the ACK signal was not received when expected.<br>Summation: The total of all the values. |
| InterfaceMetrics | Availability (avg) | The percentage of interfaces that are available.<br><br>An interface is considered unavailable when one of the following is true:<br><br>* NNMi does not receive polled data from the SNMP agent.<br><br>* The polled data confirms that ifOperStatus or ifAdminStatus is down.<br><br>* NNMi has determined that the device SNMP agent is not responding.<br>Average: The total of all the values divided by the number of samples. |

| | | |
|---|---|---|
| InterfaceMetrics | Availability (max) | The percentage of interfaces that are available.<br><br>An interface is considered unavailable when one of the following is true:<br><br>* NNMi does not receive polled data from the SNMP agent.<br><br>* The polled data confirms that ifOperStatus or ifAdminStatus is down.<br><br>* NNMi has determined that the device SNMP agent is not responding.<br>Maximum: The maximum, or largest, value. |
| InterfaceMetrics | Availability (min) | The percentage of interfaces that are available.<br><br>An interface is considered unavailable when one of the following is true:<br><br>* NNMi does not receive polled data from the SNMP agent.<br><br>* The polled data confirms that ifOperStatus or ifAdminStatus is down.<br><br>* NNMi has determined that the device SNMP agent is not responding.<br>Minimum: The minimum, or smallest, value. |
| InterfaceMetrics | Availability (pctile05) | The percentage of interfaces that are available.<br><br>An interface is considered unavailable when one of the following is true:<br><br>* NNMi does not receive polled data from the SNMP agent.<br><br>* The polled data confirms that ifOperStatus or ifAdminStatus is down.<br><br>* NNMi has determined that the device SNMP agent is not responding.<br>Percentile (05): The value below which 5% of all the samples fall. |
| InterfaceMetrics | Availability (pctile90) | The percentage of interfaces that are available.<br><br>An interface is considered unavailable when one of the following is true: |

| | | |
|---|---|---|
| | | * NNMi does not receive polled data from the SNMP agent.<br><br>* The polled data confirms that ifOperStatus or ifAdminStatus is down.<br><br>* NNMi has determined that the device SNMP agent is not responding.<br>Percentile (90): The value below which 90% of all the samples fall. |
| InterfaceMetrics | Availability (pctile95) | The percentage of interfaces that are available.<br><br>An interface is considered unavailable when one of the following is true:<br><br>* NNMi does not receive polled data from the SNMP agent.<br><br>* The polled data confirms that ifOperStatus or ifAdminStatus is down.<br><br>* NNMi has determined that the device SNMP agent is not responding.<br>Percentile (95): The value below which 95% of all the samples fall. |
| InterfaceMetrics | Availability (pctile99) | The percentage of interfaces that are available.<br><br>An interface is considered unavailable when one of the following is true:<br><br>* NNMi does not receive polled data from the SNMP agent.<br><br>* The polled data confirms that ifOperStatus or ifAdminStatus is down.<br><br>* NNMi has determined that the device SNMP agent is not responding.<br>Percentile (99): The value below which 99% of all the samples fall. |
| InterfaceMetrics | Availability - Lower Threshold (min) | The percentage of interfaces that are available.<br><br>An interface is considered unavailable when one of the following is true:<br><br>* NNMi does not receive polled data from the SNMP |

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|---|---|---|
| | | agent.<br><br>* The polled data confirms that ifOperStatus or ifAdminStatus is down.<br><br>* NNMi has determined that the device SNMP agent is not responding.<br>Lower Threshold: The value below which threshold exceptions will be raised. Configurable within NNMi. |
| InterfaceMetrics | Availability - Threshold Exception Count (sum) | The percentage of interfaces that are available.<br><br>An interface is considered unavailable when one of the following is true:<br><br>* NNMi does not receive polled data from the SNMP agent.<br><br>* The polled data confirms that ifOperStatus or ifAdminStatus is down.<br><br>* NNMi has determined that the device SNMP agent is not responding.<br>Threshold Exception Count: The number of samples which were in an exception state due to threshold breaches. |
| InterfaceMetrics | Availability - Threshold Exception Rate (avg) | The percentage of interfaces that are available.<br><br>An interface is considered unavailable when one of the following is true:<br><br>* NNMi does not receive polled data from the SNMP agent.<br><br>* The polled data confirms that ifOperStatus or ifAdminStatus is down.<br><br>* NNMi has determined that the device SNMP agent is not responding.<br>Threshold Exception Rate: The number of samples which were in an exception state for threshold breaches, expressed as a percentage of the total number of samples. An indication of how frequently the value goes beyond threshold ranges. |
| InterfaceMetrics | Availability - Upper Threshold (max) | The percentage of interfaces that are available.<br><br>An interface is considered unavailable when one of the following is true: |

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|---|---|---|
| | | * NNMi does not receive polled data from the SNMP agent.<br><br>* The polled data confirms that ifOperStatus or ifAdminStatus is down.<br><br>* NNMi has determined that the device SNMP agent is not responding.<br>Upper Threshold: The value above which threshold exceptions will be raised. Configurable within NNMi. |
| InterfaceMetrics | Baseline Exception Rate (avg) | Sample Baseline Exception Rate based on any baselined measure.<br>Baseline Exception Rate: The number of samples which were in an exception state for baseline breaches, expressed as a percentage of the total number of samples. An indication of how frequently the value goes beyond the normal range. |
| InterfaceMetrics | Broadcast - Packets (sum) | Total number of packets received and sent by the interfaces using the broadcast protocol<br>Summation: The total of all the values. |
| InterfaceMetrics | Broadcast - Packets In (sum) | Total number of packets received by the interfaces using the broadcast protocol<br>Summation: The total of all the values. |
| InterfaceMetrics | Broadcast - Packets Out (sum) | Total number of packets sent by the interfaces using the broadcast protocol<br>Summation: The total of all the values. |
| InterfaceMetrics | DSx1BESs Rate (avg) | Percentage of Bursty Errored Seconds on the DSx1 interfaces.<br>Average: The total of all the values divided by the number of samples. |
| InterfaceMetrics | DSx1BESs Rate (max) | Percentage of Bursty Errored Seconds on the DSx1 interfaces.<br>Maximum: The maximum, or largest, value. |
| InterfaceMetrics | DSx1BESs Rate (min) | Percentage of Bursty Errored Seconds on the DSx1 interfaces.<br>Minimum: The minimum, or smallest, value. |
| InterfaceMetrics | DSx1BESs Rate (pctile05) | Percentage of Bursty Errored Seconds on the DSx1 interfaces.<br>Percentile (05): The value below which 5% of all the samples fall. |
| InterfaceMetrics | DSx1BESs Rate (pctile90) | Percentage of Bursty Errored Seconds on the DSx1 interfaces. |

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|---|---|---|
| | | Percentile (90): The value below which 90% of all the samples fall. |
| InterfaceMetrics | DSx1BESs Rate (pctile95) | Percentage of Bursty Errored Seconds on the DSx1 interfaces.<br>Percentile (95): The value below which 95% of all the samples fall. |
| InterfaceMetrics | DSx1BESs Rate (pctile99) | Percentage of Bursty Errored Seconds on the DSx1 interfaces.<br>Percentile (99): The value below which 99% of all the samples fall. |
| InterfaceMetrics | DSx1CSSs Rate (avg) | Percentage of Controlled Slip Seconds on the DSx1 interfaces.<br>Average: The total of all the values divided by the number of samples. |
| InterfaceMetrics | DSx1CSSs Rate (max) | Percentage of Controlled Slip Seconds on the DSx1 interfaces.<br>Maximum: The maximum, or largest, value. |
| InterfaceMetrics | DSx1CSSs Rate (min) | Percentage of Controlled Slip Seconds on the DSx1 interfaces.<br>Minimum: The minimum, or smallest, value. |
| InterfaceMetrics | DSx1CSSs Rate (pctile05) | Percentage of Controlled Slip Seconds on the DSx1 interfaces.<br>Percentile (05): The value below which 5% of all the samples fall. |
| InterfaceMetrics | DSx1CSSs Rate (pctile90) | Percentage of Controlled Slip Seconds on the DSx1 interfaces.<br>Percentile (90): The value below which 90% of all the samples fall. |
| InterfaceMetrics | DSx1CSSs Rate (pctile95) | Percentage of Controlled Slip Seconds on the DSx1 interfaces.<br>Percentile (95): The value below which 95% of all the samples fall. |
| InterfaceMetrics | DSx1CSSs Rate (pctile99) | Percentage of Controlled Slip Seconds on the DSx1 interfaces.<br>Percentile (99): The value below which 99% of all the samples fall. |
| InterfaceMetrics | DSx1DMs Rate (avg) | Percentage of Degraded Minutes on the DSx1 interfaces.<br>Average: The total of all the values divided by the number of samples. |
| InterfaceMetrics | DSx1DMs Rate (max) | Percentage of Degraded Minutes on the DSx1 interfaces. |

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| | | Maximum: The maximum, or largest, value. |
| InterfaceMetrics | DSx1DMs Rate (min) | Percentage of Degraded Minutes on the DSx1 interfaces.<br>Minimum: The minimum, or smallest, value. |
| InterfaceMetrics | DSx1DMs Rate (pctile05) | Percentage of Degraded Minutes on the DSx1 interfaces.<br>Percentile (05): The value below which 5% of all the samples fall. |
| InterfaceMetrics | DSx1DMs Rate (pctile90) | Percentage of Degraded Minutes on the DSx1 interfaces.<br>Percentile (90): The value below which 90% of all the samples fall. |
| InterfaceMetrics | DSx1DMs Rate (pctile95) | Percentage of Degraded Minutes on the DSx1 interfaces.<br>Percentile (95): The value below which 95% of all the samples fall. |
| InterfaceMetrics | DSx1DMs Rate (pctile99) | Percentage of Degraded Minutes on the DSx1 interfaces.<br>Percentile (99): The value below which 99% of all the samples fall. |
| InterfaceMetrics | DSx1ESs Rate (avg) | Percentage of Errored Seconds on the DSx1 interfaces.<br>Average: The total of all the values divided by the number of samples. |
| InterfaceMetrics | DSx1ESs Rate (max) | Percentage of Errored Seconds on the DSx1 interfaces.<br>Maximum: The maximum, or largest, value. |
| InterfaceMetrics | DSx1ESs Rate (min) | Percentage of Errored Seconds on the DSx1 interfaces.<br>Minimum: The minimum, or smallest, value. |
| InterfaceMetrics | DSx1ESs Rate (pctile05) | Percentage of Errored Seconds on the DSx1 interfaces.<br>Percentile (05): The value below which 5% of all the samples fall. |
| InterfaceMetrics | DSx1ESs Rate (pctile90) | Percentage of Errored Seconds on the DSx1 interfaces.<br>Percentile (90): The value below which 90% of all the samples fall. |
| InterfaceMetrics | DSx1ESs Rate (pctile95) | Percentage of Errored Seconds on the DSx1 interfaces.<br>Percentile (95): The value below which 95% of all the samples fall. |
| InterfaceMetrics | DSx1ESs Rate (pctile99) | Percentage of Errored Seconds on the DSx1 interfaces.<br>Percentile (99): The value below which 99% of all the samples fall. |
| InterfaceMetrics | DSx1LCVs/sec (avg) | The number of Line Code Violations per second on the |

| | | |
|---|---|---|
| | | DSx1 interfaces.<br>Average: The total of all the values divided by the number of samples. |
| InterfaceMetrics | DSx1LCVs/sec (max) | The number of Line Code Violations per second on the DSx1 interfaces.<br>Maximum: The maximum, or largest, value. |
| InterfaceMetrics | DSx1LCVs/sec (min) | The number of Line Code Violations per second on the DSx1 interfaces.<br>Minimum: The minimum, or smallest, value. |
| InterfaceMetrics | DSx1LCVs/sec (pctile05) | The number of Line Code Violations per second on the DSx1 interfaces.<br>Percentile (05): The value below which 5% of all the samples fall. |
| InterfaceMetrics | DSx1LCVs/sec (pctile90) | The number of Line Code Violations per second on the DSx1 interfaces.<br>Percentile (90): The value below which 90% of all the samples fall. |
| InterfaceMetrics | DSx1LCVs/sec (pctile95) | The number of Line Code Violations per second on the DSx1 interfaces.<br>Percentile (95): The value below which 95% of all the samples fall. |
| InterfaceMetrics | DSx1LCVs/sec (pctile99) | The number of Line Code Violations per second on the DSx1 interfaces.<br>Percentile (99): The value below which 99% of all the samples fall. |
| InterfaceMetrics | DSx1LESs Rate (avg) | Percentage of Line Errored Seconds on the DSx1 interfaces.<br>Average: The total of all the values divided by the number of samples. |
| InterfaceMetrics | DSx1LESs Rate (max) | Percentage of Line Errored Seconds on the DSx1 interfaces.<br>Maximum: The maximum, or largest, value. |
| InterfaceMetrics | DSx1LESs Rate (min) | Percentage of Line Errored Seconds on the DSx1 interfaces.<br>Minimum: The minimum, or smallest, value. |
| InterfaceMetrics | DSx1LESs Rate (pctile05) | Percentage of Line Errored Seconds on the DSx1 interfaces.<br>Percentile (05): The value below which 5% of all the samples fall. |
| InterfaceMetrics | DSx1LESs Rate (pctile90) | Percentage of Line Errored Seconds on the DSx1 interfaces.<br>Percentile (90): The value below which 90% of all the |

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| | | samples fall. |
| InterfaceMetrics | DSx1LESs Rate (pctile95) | Percentage of Line Errored Seconds on the DSx1 interfaces.<br>Percentile (95): The value below which 95% of all the samples fall. |
| InterfaceMetrics | DSx1LESs Rate (pctile99) | Percentage of Line Errored Seconds on the DSx1 interfaces.<br>Percentile (99): The value below which 99% of all the samples fall. |
| InterfaceMetrics | DSx1PCVs/sec (avg) | The number of Path Coding Violations per second on the DSx1 interfaces.<br>Average: The total of all the values divided by the number of samples. |
| InterfaceMetrics | DSx1PCVs/sec (max) | The number of Path Coding Violations per second on the DSx1 interfaces.<br>Maximum: The maximum, or largest, value. |
| InterfaceMetrics | DSx1PCVs/sec (min) | The number of Path Coding Violations per second on the DSx1 interfaces.<br>Minimum: The minimum, or smallest, value. |
| InterfaceMetrics | DSx1PCVs/sec (pctile05) | The number of Path Coding Violations per second on the DSx1 interfaces.<br>Percentile (05): The value below which 5% of all the samples fall. |
| InterfaceMetrics | DSx1PCVs/sec (pctile90) | The number of Path Coding Violations per second on the DSx1 interfaces.<br>Percentile (90): The value below which 90% of all the samples fall. |
| InterfaceMetrics | DSx1PCVs/sec (pctile95) | The number of Path Coding Violations per second on the DSx1 interfaces.<br>Percentile (95): The value below which 95% of all the samples fall. |
| InterfaceMetrics | DSx1PCVs/sec (pctile99) | The number of Path Coding Violations per second on the DSx1 interfaces.<br>Percentile (99): The value below which 99% of all the samples fall. |
| InterfaceMetrics | DSx1SEFSs Rate (avg) | Percentage of Severely Errored Framing seconds on the DSx1 interfaces.<br>Average: The total of all the values divided by the number of samples. |
| InterfaceMetrics | DSx1SEFSs Rate (max) | Percentage of Severely Errored Framing seconds on the DSx1 interfaces.<br>Maximum: The maximum, or largest, value. |

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|---|---|---|
| InterfaceMetrics | DSx1SEFSs Rate (min) | Percentage of Severely Errored Framing seconds on the DSx1 interfaces.<br>Minimum: The minimum, or smallest, value. |
| InterfaceMetrics | DSx1SEFSs Rate (pctile05) | Percentage of Severely Errored Framing seconds on the DSx1 interfaces.<br>Percentile (05): The value below which 5% of all the samples fall. |
| InterfaceMetrics | DSx1SEFSs Rate (pctile90) | Percentage of Severely Errored Framing seconds on the DSx1 interfaces.<br>Percentile (90): The value below which 90% of all the samples fall. |
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| InterfaceMetrics | DSx1SEFSs Rate (pctile99) | Percentage of Severely Errored Framing seconds on the DSx1 interfaces.<br>Percentile (99): The value below which 99% of all the samples fall. |
| InterfaceMetrics | DSx1SESs Rate (avg) | Percentage of Severely Errored Seconds on the DSx1 interfaces.<br>Average: The total of all the values divided by the number of samples. |
| InterfaceMetrics | DSx1SESs Rate (max) | Percentage of Severely Errored Seconds on the DSx1 interfaces.<br>Maximum: The maximum, or largest, value. |
| InterfaceMetrics | DSx1SESs Rate (min) | Percentage of Severely Errored Seconds on the DSx1 interfaces.<br>Minimum: The minimum, or smallest, value. |
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| InterfaceMetrics | DSx1SESs Rate (pctile95) | Percentage of Severely Errored Seconds on the DSx1 interfaces.<br>Percentile (95): The value below which 95% of all the samples fall. |
| InterfaceMetrics | DSx1SESs Rate (pctile99) | Percentage of Severely Errored Seconds on the DSx1 |

| | | |
|---|---|---|
| | | interfaces.<br>Percentile (99): The value below which 99% of all the samples fall. |
| InterfaceMetrics | DSx1UASs Rate (avg) | Percentage of unavailable seconds on the DSx1 interfaces.<br>Average: The total of all the values divided by the number of samples. |
| InterfaceMetrics | DSx1UASs Rate (max) | Percentage of unavailable seconds on the DSx1 interfaces.<br>Maximum: The maximum, or largest, value. |
| InterfaceMetrics | DSx1UASs Rate (min) | Percentage of unavailable seconds on the DSx1 interfaces.<br>Minimum: The minimum, or smallest, value. |
| InterfaceMetrics | DSx1UASs Rate (pctile05) | Percentage of unavailable seconds on the DSx1 interfaces.<br>Percentile (05): The value below which 5% of all the samples fall. |
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| InterfaceMetrics | DSx1UASs Rate (pctile95) | Percentage of unavailable seconds on the DSx1 interfaces.<br>Percentile (95): The value below which 95% of all the samples fall. |
| InterfaceMetrics | DSx1UASs Rate (pctile99) | Percentage of unavailable seconds on the DSx1 interfaces.<br>Percentile (99): The value below which 99% of all the samples fall. |
| InterfaceMetrics | DSx3CCVs/sec (avg) | The number of C-bit Coding Violations per second on the DSx3 interfaces.<br>Average: The total of all the values divided by the number of samples. |
| InterfaceMetrics | DSx3CCVs/sec (max) | The number of C-bit Coding Violations per second on the DSx3 interfaces.<br>Maximum: The maximum, or largest, value. |
| InterfaceMetrics | DSx3CCVs/sec (min) | The number of C-bit Coding Violations per second on the DSx3 interfaces.<br>Minimum: The minimum, or smallest, value. |
| InterfaceMetrics | DSx3CCVs/sec (pctile05) | The number of C-bit Coding Violations per second on the DSx3 interfaces.<br>Percentile (05): The value below which 5% of all the |

| | | |
|---|---|---|
| | | samples fall. |
| InterfaceMetrics | DSx3CCVs/sec (pctile90) | The number of C-bit Coding Violations per second on the DSx3 interfaces.<br>Percentile (90): The value below which 90% of all the samples fall. |
| InterfaceMetrics | DSx3CCVs/sec (pctile95) | The number of C-bit Coding Violations per second on the DSx3 interfaces.<br>Percentile (95): The value below which 95% of all the samples fall. |
| InterfaceMetrics | DSx3CCVs/sec (pctile99) | The number of C-bit Coding Violations per second on the DSx3 interfaces.<br>Percentile (99): The value below which 99% of all the samples fall. |
| InterfaceMetrics | DSx3CESs Rate (avg) | Percentage of C-bit Errored Seconds on the DSx3 interfaces.<br>Average: The total of all the values divided by the number of samples. |
| InterfaceMetrics | DSx3CESs Rate (max) | Percentage of C-bit Errored Seconds on the DSx3 interfaces.<br>Maximum: The maximum, or largest, value. |
| InterfaceMetrics | DSx3CESs Rate (min) | Percentage of C-bit Errored Seconds on the DSx3 interfaces.<br>Minimum: The minimum, or smallest, value. |
| InterfaceMetrics | DSx3CESs Rate (pctile05) | Percentage of C-bit Errored Seconds on the DSx3 interfaces.<br>Percentile (05): The value below which 5% of all the samples fall. |
| InterfaceMetrics | DSx3CESs Rate (pctile90) | Percentage of C-bit Errored Seconds on the DSx3 interfaces.<br>Percentile (90): The value below which 90% of all the samples fall. |
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| InterfaceMetrics | DSx3CESs Rate (pctile99) | Percentage of C-bit Errored Seconds on the DSx3 interfaces.<br>Percentile (99): The value below which 99% of all the samples fall. |
| InterfaceMetrics | DSx3CSESs Rate (avg) | Percentage of C-bit Severely Errored Seconds on the DSx3 interfaces.<br>Average: The total of all the values divided by the number |

| | | |
|---|---|---|
| | | of samples. |
| InterfaceMetrics | DSx3CSESs Rate (max) | Percentage of C-bit Severely Errored Seconds on the DSx3 interfaces.<br>Maximum: The maximum, or largest, value. |
| InterfaceMetrics | DSx3CSESs Rate (min) | Percentage of C-bit Severely Errored Seconds on the DSx3 interfaces.<br>Minimum: The minimum, or smallest, value. |
| InterfaceMetrics | DSx3CSESs Rate (pctile05) | Percentage of C-bit Severely Errored Seconds on the DSx3 interfaces.<br>Percentile (05): The value below which 5% of all the samples fall. |
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| InterfaceMetrics | DSx3CSESs Rate (pctile99) | Percentage of C-bit Severely Errored Seconds on the DSx3 interfaces.<br>Percentile (99): The value below which 99% of all the samples fall. |
| InterfaceMetrics | DSx3LCVs/sec (avg) | The number of Line Code Violations per second on the DSx3 interfaces.<br>Average: The total of all the values divided by the number of samples. |
| InterfaceMetrics | DSx3LCVs/sec (max) | The number of Line Code Violations per second on the DSx3 interfaces.<br>Maximum: The maximum, or largest, value. |
| InterfaceMetrics | DSx3LCVs/sec (min) | The number of Line Code Violations per second on the DSx3 interfaces.<br>Minimum: The minimum, or smallest, value. |
| InterfaceMetrics | DSx3LCVs/sec (pctile05) | The number of Line Code Violations per second on the DSx3 interfaces.<br>Percentile (05): The value below which 5% of all the samples fall. |
| InterfaceMetrics | DSx3LCVs/sec (pctile90) | The number of Line Code Violations per second on the DSx3 interfaces.<br>Percentile (90): The value below which 90% of all the samples fall. |

| | | |
|---|---|---|
| InterfaceMetrics | DSx3LCVs/sec (pctile95) | The number of Line Code Violations per second on the DSx3 interfaces.<br>Percentile (95): The value below which 95% of all the samples fall. |
| InterfaceMetrics | DSx3LCVs/sec (pctile99) | The number of Line Code Violations per second on the DSx3 interfaces.<br>Percentile (99): The value below which 99% of all the samples fall. |
| InterfaceMetrics | DSx3LESs Rate (avg) | Percentage of Line Errored Seconds on the DSx3 interfaces.<br>Average: The total of all the values divided by the number of samples. |
| InterfaceMetrics | DSx3LESs Rate (max) | Percentage of Line Errored Seconds on the DSx3 interfaces.<br>Maximum: The maximum, or largest, value. |
| InterfaceMetrics | DSx3LESs Rate (min) | Percentage of Line Errored Seconds on the DSx3 interfaces.<br>Minimum: The minimum, or smallest, value. |
| InterfaceMetrics | DSx3LESs Rate (pctile05) | Percentage of Line Errored Seconds on the DSx3 interfaces.<br>Percentile (05): The value below which 5% of all the samples fall. |
| InterfaceMetrics | DSx3LESs Rate (pctile90) | Percentage of Line Errored Seconds on the DSx3 interfaces.<br>Percentile (90): The value below which 90% of all the samples fall. |
| InterfaceMetrics | DSx3LESs Rate (pctile95) | Percentage of Line Errored Seconds on the DSx3 interfaces.<br>Percentile (95): The value below which 95% of all the samples fall. |
| InterfaceMetrics | DSx3LESs Rate (pctile99) | Percentage of Line Errored Seconds on the DSx3 interfaces.<br>Percentile (99): The value below which 99% of all the samples fall. |
| InterfaceMetrics | DSx3PCVs/sec (avg) | The number of Path Coding Violations per second on the DSx3 interfaces.<br>Average: The total of all the values divided by the number of samples. |
| InterfaceMetrics | DSx3PCVs/sec (max) | The number of Path Coding Violations per second on the DSx3 interfaces.<br>Maximum: The maximum, or largest, value. |
| InterfaceMetrics | DSx3PCVs/sec (min) | The number of Path Coding Violations per second on the |

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| | | DSx3 interfaces.<br>Minimum: The minimum, or smallest, value. |
| InterfaceMetrics | DSx3PCVs/sec (pctile05) | The number of Path Coding Violations per second on the DSx3 interfaces.<br>Percentile (05): The value below which 5% of all the samples fall. |
| InterfaceMetrics | DSx3PCVs/sec (pctile90) | The number of Path Coding Violations per second on the DSx3 interfaces.<br>Percentile (90): The value below which 90% of all the samples fall. |
| InterfaceMetrics | DSx3PCVs/sec (pctile95) | The number of Path Coding Violations per second on the DSx3 interfaces.<br>Percentile (95): The value below which 95% of all the samples fall. |
| InterfaceMetrics | DSx3PCVs/sec (pctile99) | The number of Path Coding Violations per second on the DSx3 interfaces.<br>Percentile (99): The value below which 99% of all the samples fall. |
| InterfaceMetrics | DSx3PESs Rate (avg) | Percentage of P-bit Errored Seconds on the DSx3 interfaces.<br>Average: The total of all the values divided by the number of samples. |
| InterfaceMetrics | DSx3PESs Rate (max) | Percentage of P-bit Errored Seconds on the DSx3 interfaces.<br>Maximum: The maximum, or largest, value. |
| InterfaceMetrics | DSx3PESs Rate (min) | Percentage of P-bit Errored Seconds on the DSx3 interfaces.<br>Minimum: The minimum, or smallest, value. |
| InterfaceMetrics | DSx3PESs Rate (pctile05) | Percentage of P-bit Errored Seconds on the DSx3 interfaces.<br>Percentile (05): The value below which 5% of all the samples fall. |
| InterfaceMetrics | DSx3PESs Rate (pctile90) | Percentage of P-bit Errored Seconds on the DSx3 interfaces.<br>Percentile (90): The value below which 90% of all the samples fall. |
| InterfaceMetrics | DSx3PESs Rate (pctile95) | Percentage of P-bit Errored Seconds on the DSx3 interfaces.<br>Percentile (95): The value below which 95% of all the samples fall. |
| InterfaceMetrics | DSx3PESs Rate (pctile99) | Percentage of P-bit Errored Seconds on the DSx3 interfaces. |

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| | | Percentile (99): The value below which 99% of all the samples fall. |
| InterfaceMetrics | DSx3PSESs Rate (avg) | Percentage of P-bit Severely Errored Seconds on the DSx3 interfaces.<br>Average: The total of all the values divided by the number of samples. |
| InterfaceMetrics | DSx3PSESs Rate (max) | Percentage of P-bit Severely Errored Seconds on the DSx3 interfaces.<br>Maximum: The maximum, or largest, value. |
| InterfaceMetrics | DSx3PSESs Rate (min) | Percentage of P-bit Severely Errored Seconds on the DSx3 interfaces.<br>Minimum: The minimum, or smallest, value. |
| InterfaceMetrics | DSx3PSESs Rate (pctile05) | Percentage of P-bit Severely Errored Seconds on the DSx3 interfaces.<br>Percentile (05): The value below which 5% of all the samples fall. |
| InterfaceMetrics | DSx3PSESs Rate (pctile90) | Percentage of P-bit Severely Errored Seconds on the DSx3 interfaces.<br>Percentile (90): The value below which 90% of all the samples fall. |
| InterfaceMetrics | DSx3PSESs Rate (pctile95) | Percentage of P-bit Severely Errored Seconds on the DSx3 interfaces.<br>Percentile (95): The value below which 95% of all the samples fall. |
| InterfaceMetrics | DSx3PSESs Rate (pctile99) | Percentage of P-bit Severely Errored Seconds on the DSx3 interfaces.<br>Percentile (99): The value below which 99% of all the samples fall. |
| InterfaceMetrics | DSx3SEFSs Rate (avg) | Percentage of Severely Errored Frame Seconds on the DSx3 interfaces.<br>Average: The total of all the values divided by the number of samples. |
| InterfaceMetrics | DSx3SEFSs Rate (max) | Percentage of Severely Errored Frame Seconds on the DSx3 interfaces.<br>Maximum: The maximum, or largest, value. |
| InterfaceMetrics | DSx3SEFSs Rate (min) | Percentage of Severely Errored Frame Seconds on the DSx3 interfaces.<br>Minimum: The minimum, or smallest, value. |
| InterfaceMetrics | DSx3SEFSs Rate (pctile05) | Percentage of Severely Errored Frame Seconds on the DSx3 interfaces.<br>Percentile (05): The value below which 5% of all the samples fall. |

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| InterfaceMetrics | DSx3SEFSs Rate (pctile90) | Percentage of Severely Errored Frame Seconds on the DSx3 interfaces.<br>Percentile (90): The value below which 90% of all the samples fall. |
| InterfaceMetrics | DSx3SEFSs Rate (pctile95) | Percentage of Severely Errored Frame Seconds on the DSx3 interfaces.<br>Percentile (95): The value below which 95% of all the samples fall. |
| InterfaceMetrics | DSx3SEFSs Rate (pctile99) | Percentage of Severely Errored Frame Seconds on the DSx3 interfaces.<br>Percentile (99): The value below which 99% of all the samples fall. |
| InterfaceMetrics | DSx3UASs Rate (avg) | Percentage of Unavailable Seconds on the DSx3 interfaces.<br>Average: The total of all the values divided by the number of samples. |
| InterfaceMetrics | DSx3UASs Rate (max) | Percentage of Unavailable Seconds on the DSx3 interfaces.<br>Maximum: The maximum, or largest, value. |
| InterfaceMetrics | DSx3UASs Rate (min) | Percentage of Unavailable Seconds on the DSx3 interfaces.<br>Minimum: The minimum, or smallest, value. |
| InterfaceMetrics | DSx3UASs Rate (pctile05) | Percentage of Unavailable Seconds on the DSx3 interfaces.<br>Percentile (05): The value below which 5% of all the samples fall. |
| InterfaceMetrics | DSx3UASs Rate (pctile90) | Percentage of Unavailable Seconds on the DSx3 interfaces.<br>Percentile (90): The value below which 90% of all the samples fall. |
| InterfaceMetrics | DSx3UASs Rate (pctile95) | Percentage of Unavailable Seconds on the DSx3 interfaces.<br>Percentile (95): The value below which 95% of all the samples fall. |
| InterfaceMetrics | DSx3UASs Rate (pctile99) | Percentage of Unavailable Seconds on the DSx3 interfaces.<br>Percentile (99): The value below which 99% of all the samples fall. |
| InterfaceMetrics | Discard Rate (avg) | The percentage of discarded inbound and outbound packet count compared to the total number of packets received and sent. |

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| | | Packets might be discarded because of a variety of issues, including buffer overflows, congestion, or system-specific issues.<br>Average: The total of all the values divided by the number of samples. |
| InterfaceMetrics | Discard Rate (max) | The percentage of discarded inbound and outbound packet count compared to the total number of packets received and sent.<br><br>Packets might be discarded because of a variety of issues, including buffer overflows, congestion, or system-specific issues.<br>Maximum: The maximum, or largest, value. |
| InterfaceMetrics | Discard Rate (min) | The percentage of discarded inbound and outbound packet count compared to the total number of packets received and sent.<br><br>Packets might be discarded because of a variety of issues, including buffer overflows, congestion, or system-specific issues.<br>Minimum: The minimum, or smallest, value. |
| InterfaceMetrics | Discard Rate (pctile05) | The percentage of discarded inbound and outbound packet count compared to the total number of packets received and sent.<br><br>Packets might be discarded because of a variety of issues, including buffer overflows, congestion, or system-specific issues.<br>Percentile (05): The value below which 5% of all the samples fall. |
| InterfaceMetrics | Discard Rate (pctile90) | The percentage of discarded inbound and outbound packet count compared to the total number of packets received and sent.<br><br>Packets might be discarded because of a variety of issues, including buffer overflows, congestion, or system-specific issues.<br>Percentile (90): The value below which 90% of all the samples fall. |
| InterfaceMetrics | Discard Rate (pctile95) | The percentage of discarded inbound and outbound packet count compared to the total number of packets received and sent.<br><br>Packets might be discarded because of a variety of issues, including buffer overflows, congestion, or system-specific issues. |

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| | | Percentile (95): The value below which 95% of all the samples fall. |
| InterfaceMetrics | Discard Rate (pctile99) | The percentage of discarded inbound and outbound packet count compared to the total number of packets received and sent.<br><br>Packets might be discarded because of a variety of issues, including buffer overflows, congestion, or system-specific issues.<br>Percentile (99): The value below which 99% of all the samples fall. |
| InterfaceMetrics | Discard Rate - Lower Threshold (min) | The percentage of discarded inbound and outbound packet count compared to the total number of packets received and sent.<br><br>Packets might be discarded because of a variety of issues, including buffer overflows, congestion, or system-specific issues.<br>Lower Threshold: The value below which threshold exceptions will be raised. Configurable within NNMi. |
| InterfaceMetrics | Discard Rate - Threshold Exception Count (sum) | The percentage of discarded inbound and outbound packet count compared to the total number of packets received and sent.<br><br>Packets might be discarded because of a variety of issues, including buffer overflows, congestion, or system-specific issues.<br>Threshold Exception Count: The number of samples which were in an exception state due to threshold breaches. |
| InterfaceMetrics | Discard Rate - Threshold Exception Rate (avg) | The percentage of discarded inbound and outbound packet count compared to the total number of packets received and sent.<br><br>Packets might be discarded because of a variety of issues, including buffer overflows, congestion, or system-specific issues.<br>Threshold Exception Rate: The number of samples which were in an exception state for threshold breaches, expressed as a percentage of the total number of samples. An indication of how frequently the value goes beyond threshold ranges. |
| InterfaceMetrics | Discard Rate - Upper Threshold (max) | The percentage of discarded inbound and outbound packet count compared to the total number of packets received and sent. |

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| | | Packets might be discarded because of a variety of issues, including buffer overflows, congestion, or system-specific issues.<br>Upper Threshold: The value above which threshold exceptions will be raised. Configurable within NNMi. |
| InterfaceMetrics | Discard Rate In (avg) | The percentage of discarded inbound packet count compared to the total number of packets received.<br><br>Packets might be discarded because of a variety of issues, including buffer overflows, congestion, or system-specific issues.<br>Average: The total of all the values divided by the number of samples. |
| InterfaceMetrics | Discard Rate In (max) | The percentage of discarded inbound packet count compared to the total number of packets received.<br><br>Packets might be discarded because of a variety of issues, including buffer overflows, congestion, or system-specific issues.<br>Maximum: The maximum, or largest, value. |
| InterfaceMetrics | Discard Rate In (min) | The percentage of discarded inbound packet count compared to the total number of packets received.<br><br>Packets might be discarded because of a variety of issues, including buffer overflows, congestion, or system-specific issues.<br>Minimum: The minimum, or smallest, value. |
| InterfaceMetrics | Discard Rate In (pctile05) | The percentage of discarded inbound packet count compared to the total number of packets received.<br><br>Packets might be discarded because of a variety of issues, including buffer overflows, congestion, or system-specific issues.<br>Percentile (05): The value below which 5% of all the samples fall. |
| InterfaceMetrics | Discard Rate In (pctile90) | The percentage of discarded inbound packet count compared to the total number of packets received.<br><br>Packets might be discarded because of a variety of issues, including buffer overflows, congestion, or system-specific issues.<br>Percentile (90): The value below which 90% of all the samples fall. |
| InterfaceMetrics | Discard Rate In (pctile95) | The percentage of discarded inbound packet count compared to the total number of packets received. |

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| | | Packets might be discarded because of a variety of issues, including buffer overflows, congestion, or system-specific issues.<br>Percentile (95): The value below which 95% of all the samples fall. |
| InterfaceMetrics | Discard Rate In (pctile99) | The percentage of discarded inbound packet count compared to the total number of packets received.<br><br>Packets might be discarded because of a variety of issues, including buffer overflows, congestion, or system-specific issues.<br>Percentile (99): The value below which 99% of all the samples fall. |
| InterfaceMetrics | Discard Rate In - Lower Threshold (min) | The percentage of discarded inbound packet count compared to the total number of packets received.<br><br>Packets might be discarded because of a variety of issues, including buffer overflows, congestion, or system-specific issues.<br>Lower Threshold: The value below which threshold exceptions will be raised. Configurable within NNMi. |
| InterfaceMetrics | Discard Rate In - Threshold Exception Count (sum) | The percentage of discarded inbound packet count compared to the total number of packets received.<br><br>Packets might be discarded because of a variety of issues, including buffer overflows, congestion, or system-specific issues.<br>Threshold Exception Count: The number of samples which were in an exception state due to threshold breaches. |
| InterfaceMetrics | Discard Rate In - Threshold Exception Rate (avg) | The percentage of discarded inbound packet count compared to the total number of packets received.<br><br>Packets might be discarded because of a variety of issues, including buffer overflows, congestion, or system-specific issues.<br>Threshold Exception Rate: The number of samples which were in an exception state for threshold breaches, expressed as a percentage of the total number of samples. An indication of how frequently the value goes beyond threshold ranges. |
| InterfaceMetrics | Discard Rate In - Upper Threshold (max) | The percentage of discarded inbound packet count compared to the total number of packets received.<br><br>Packets might be discarded because of a variety of |

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| | | issues, including buffer overflows, congestion, or system-specific issues.<br>Upper Threshold: The value above which threshold exceptions will be raised. Configurable within NNMi. |
| InterfaceMetrics | Discard Rate Out (avg) | The percentage of discarded outbound packet count compared to the total number of packets sent.<br><br>Packets might be discarded because of a variety of issues, including buffer overflows, congestion, or system-specific issues.<br>Average: The total of all the values divided by the number of samples. |
| InterfaceMetrics | Discard Rate Out (max) | The percentage of discarded outbound packet count compared to the total number of packets sent.<br><br>Packets might be discarded because of a variety of issues, including buffer overflows, congestion, or system-specific issues.<br>Maximum: The maximum, or largest, value. |
| InterfaceMetrics | Discard Rate Out (min) | The percentage of discarded outbound packet count compared to the total number of packets sent.<br><br>Packets might be discarded because of a variety of issues, including buffer overflows, congestion, or system-specific issues.<br>Minimum: The minimum, or smallest, value. |
| InterfaceMetrics | Discard Rate Out (pctile05) | The percentage of discarded outbound packet count compared to the total number of packets sent.<br><br>Packets might be discarded because of a variety of issues, including buffer overflows, congestion, or system-specific issues.<br>Percentile (05): The value below which 5% of all the samples fall. |
| InterfaceMetrics | Discard Rate Out (pctile90) | The percentage of discarded outbound packet count compared to the total number of packets sent.<br><br>Packets might be discarded because of a variety of issues, including buffer overflows, congestion, or system-specific issues.<br>Percentile (90): The value below which 90% of all the samples fall. |
| InterfaceMetrics | Discard Rate Out (pctile95) | The percentage of discarded outbound packet count compared to the total number of packets sent. |

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| | | Packets might be discarded because of a variety of issues, including buffer overflows, congestion, or system-specific issues.<br>Percentile (95): The value below which 95% of all the samples fall. |
| InterfaceMetrics | Discard Rate Out (pctile99) | The percentage of discarded outbound packet count compared to the total number of packets sent.<br><br>Packets might be discarded because of a variety of issues, including buffer overflows, congestion, or system-specific issues.<br>Percentile (99): The value below which 99% of all the samples fall. |
| InterfaceMetrics | Discard Rate Out - Lower Threshold (min) | The percentage of discarded outbound packet count compared to the total number of packets sent.<br><br>Packets might be discarded because of a variety of issues, including buffer overflows, congestion, or system-specific issues.<br>Lower Threshold: The value below which threshold exceptions will be raised. Configurable within NNMi. |
| InterfaceMetrics | Discard Rate Out - Threshold Exception Count (sum) | The percentage of discarded outbound packet count compared to the total number of packets sent.<br><br>Packets might be discarded because of a variety of issues, including buffer overflows, congestion, or system-specific issues.<br>Threshold Exception Count: The number of samples which were in an exception state due to threshold breaches. |
| InterfaceMetrics | Discard Rate Out - Threshold Exception Rate (avg) | The percentage of discarded outbound packet count compared to the total number of packets sent.<br><br>Packets might be discarded because of a variety of issues, including buffer overflows, congestion, or system-specific issues.<br>Threshold Exception Rate: The number of samples which were in an exception state for threshold breaches, expressed as a percentage of the total number of samples. An indication of how frequently the value goes beyond threshold ranges. |
| InterfaceMetrics | Discard Rate Out - Upper Threshold (max) | The percentage of discarded outbound packet count compared to the total number of packets sent.<br><br>Packets might be discarded because of a variety of issues, including buffer overflows, congestion, or |

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| | | system-specific issues.<br>Upper Threshold: The value above which threshold exceptions will be raised. Configurable within NNMi. |
| InterfaceMetrics | Discards - Packets (sum) | The sum total of inbound and outbound data packets (without error) that are discarded.<br><br>For a given time period, topology selection, and grouping, the iSPI calculates the value of this metric by computing the change in (ifInDiscards+ifOutDiscards).<br>Summation: The total of all the values. |
| InterfaceMetrics | Discards - Packets In (sum) | Total number of incoming packets (without error) that are discarded.<br><br>For a given time period, topology selection, and grouping, the iSPI calculates the value of this metric by computing the change in ifInDiscards.<br>Summation: The total of all the values. |
| InterfaceMetrics | Discards - Packets Out (sum) | Total number of outgoing packets (without error) that are discarded.<br><br>For a given period, the iSPI calculates the value of this metric by computing the change in ifInDiscards.<br>Summation: The total of all the values. |
| InterfaceMetrics | Error Rate (avg) | The percentage of packets (inbound and outbound) with error.<br>Average: The total of all the values divided by the number of samples. |
| InterfaceMetrics | Error Rate (max) | The percentage of packets (inbound and outbound) with error.<br>Maximum: The maximum, or largest, value. |
| InterfaceMetrics | Error Rate (min) | The percentage of packets (inbound and outbound) with error.<br>Minimum: The minimum, or smallest, value. |
| InterfaceMetrics | Error Rate (pctile05) | The percentage of packets (inbound and outbound) with error.<br>Percentile (05): The value below which 5% of all the samples fall. |
| InterfaceMetrics | Error Rate (pctile90) | The percentage of packets (inbound and outbound) with error.<br>Percentile (90): The value below which 90% of all the samples fall. |
| InterfaceMetrics | Error Rate (pctile95) | The percentage of packets (inbound and outbound) with error. |

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| | | Percentile (95): The value below which 95% of all the samples fall. |
| InterfaceMetrics | Error Rate (pctile99) | The percentage of packets (inbound and outbound) with error.<br>Percentile (99): The value below which 99% of all the samples fall. |
| InterfaceMetrics | Error Rate - Lower Threshold (min) | The percentage of packets (inbound and outbound) with error.<br>Lower Threshold: The value below which threshold exceptions will be raised. Configurable within NNMi. |
| InterfaceMetrics | Error Rate - Threshold Exception Count (sum) | The percentage of packets (inbound and outbound) with error.<br>Threshold Exception Count: The number of samples which were in an exception state due to threshold breaches. |
| InterfaceMetrics | Error Rate - Threshold Exception Rate (avg) | The percentage of packets (inbound and outbound) with error.<br>Threshold Exception Rate: The number of samples which were in an exception state for threshold breaches, expressed as a percentage of the total number of samples. An indication of how frequently the value goes beyond threshold ranges. |
| InterfaceMetrics | Error Rate - Upper Threshold (max) | The percentage of packets (inbound and outbound) with error.<br>Upper Threshold: The value above which threshold exceptions will be raised. Configurable within NNMi. |
| InterfaceMetrics | Error Rate In (avg) | The percentage of inbound packets with error.<br>Average: The total of all the values divided by the number of samples. |
| InterfaceMetrics | Error Rate In (max) | The percentage of inbound packets with error.<br>Maximum: The maximum, or largest, value. |
| InterfaceMetrics | Error Rate In (min) | The percentage of inbound packets with error.<br>Minimum: The minimum, or smallest, value. |
| InterfaceMetrics | Error Rate In (pctile05) | The percentage of inbound packets with error.<br>Percentile (05): The value below which 5% of all the samples fall. |
| InterfaceMetrics | Error Rate In (pctile90) | The percentage of inbound packets with error.<br>Percentile (90): The value below which 90% of all the samples fall. |
| InterfaceMetrics | Error Rate In (pctile95) | The percentage of inbound packets with error.<br>Percentile (95): The value below which 95% of all the samples fall. |

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| InterfaceMetrics | Error Rate In (pctile99) | The percentage of inbound packets with error.<br>Percentile (99): The value below which 99% of all the samples fall. |
| InterfaceMetrics | Error Rate In - Lower Threshold (min) | The percentage of inbound packets with error.<br>Lower Threshold: The value below which threshold exceptions will be raised. Configurable within NNMi. |
| InterfaceMetrics | Error Rate In - Threshold Exception Count (sum) | The percentage of inbound packets with error.<br>Threshold Exception Count: The number of samples which were in an exception state due to threshold breaches. |
| InterfaceMetrics | Error Rate In - Threshold Exception Rate (avg) | The percentage of inbound packets with error.<br>Threshold Exception Rate: The number of samples which were in an exception state for threshold breaches, expressed as a percentage of the total number of samples. An indication of how frequently the value goes beyond threshold ranges. |
| InterfaceMetrics | Error Rate In - Upper Threshold (max) | The percentage of inbound packets with error.<br>Upper Threshold: The value above which threshold exceptions will be raised. Configurable within NNMi. |
| InterfaceMetrics | Error Rate Out (avg) | The percentage of outbound packets with error.<br>Average: The total of all the values divided by the number of samples. |
| InterfaceMetrics | Error Rate Out (max) | The percentage of outbound packets with error.<br>Maximum: The maximum, or largest, value. |
| InterfaceMetrics | Error Rate Out (min) | The percentage of outbound packets with error.<br>Minimum: The minimum, or smallest, value. |
| InterfaceMetrics | Error Rate Out (pctile05) | The percentage of outbound packets with error.<br>Percentile (05): The value below which 5% of all the samples fall. |
| InterfaceMetrics | Error Rate Out (pctile90) | The percentage of outbound packets with error.<br>Percentile (90): The value below which 90% of all the samples fall. |
| InterfaceMetrics | Error Rate Out (pctile95) | The percentage of outbound packets with error.<br>Percentile (95): The value below which 95% of all the samples fall. |
| InterfaceMetrics | Error Rate Out (pctile99) | The percentage of outbound packets with error.<br>Percentile (99): The value below which 99% of all the samples fall. |
| InterfaceMetrics | Error Rate Out - Lower Threshold (min) | The percentage of outbound packets with error.<br>Lower Threshold: The value below which threshold exceptions will be raised. Configurable within NNMi. |

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| InterfaceMetrics | Error Rate Out - Threshold Exception Count (sum) | The percentage of outbound packets with error.<br>Threshold Exception Count: The number of samples which were in an exception state due to threshold breaches. |
| InterfaceMetrics | Error Rate Out - Threshold Exception Rate (avg) | The percentage of outbound packets with error.<br>Threshold Exception Rate: The number of samples which were in an exception state for threshold breaches, expressed as a percentage of the total number of samples. An indication of how frequently the value goes beyond threshold ranges. |
| InterfaceMetrics | Error Rate Out - Upper Threshold (max) | The percentage of outbound packets with error.<br>Upper Threshold: The value above which threshold exceptions will be raised. Configurable within NNMi. |
| InterfaceMetrics | Errors - Packets (sum) | The sum total of inbound and outbound data packets with errors.<br><br>For a given period, the iSPI calculates the value of this metric by computing the change in (ifInErrors+ifOutErrors).<br>Summation: The total of all the values. |
| InterfaceMetrics | Errors - Packets In (sum) | Total number of inbound data packets with errors.<br><br>For a given time period, topology selection, and grouping, the iSPI calculates the value of this metric by computing the change in ifInErrors.<br>Summation: The total of all the values. |
| InterfaceMetrics | Errors - Packets Out (sum) | Total number of outbound data packets with errors.<br><br>For a given time period, topology selection, and grouping, the iSPI calculates the value of this metric by computing the change in ifOutErrors.<br>Summation: The total of all the values. |
| InterfaceMetrics | FrameDuplicateCount (sum) | Total number of frames received that are indicated duplicate by the Sequence Control field.<br>Summation: The total of all the values. |
| InterfaceMetrics | Interface Alias (countDistinct) | The alias of the interface.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| InterfaceMetrics | Interface Annotation (countDistinct) | Interface annotation.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| InterfaceMetrics | Interface Descr (countDistinct) | The description of the interface.<br>Count Distinct: A count of the unique, distinct, values for |

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| | | this topology element. |
| InterfaceMetrics | Interface ID (countDistinct) | Unique ID of the interface.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| InterfaceMetrics | Interface Index (countDistinct) | The index of the interface.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| InterfaceMetrics | Interface Name (countDistinct) | The name of the interface.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| InterfaceMetrics | Interface ODBID (countDistinct) | Do not use this attribute for filtering the report (this attribute is used internally by HP Software products).<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| InterfaceMetrics | Interface Physical Address (countDistinct) | The physical address of the interface.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| InterfaceMetrics | Interface Speed (In:Out) (countDistinct) | The speed of the interface (ifInSpeed:ifOutSpeed).<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| InterfaceMetrics | Interface Type (countDistinct) | The type of the interface.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| InterfaceMetrics | Interface UUID (countDistinct) | Count Distinct: A count of the unique, distinct, values for this topology element. |
| InterfaceMetrics | Invalid Data (avg) | A device that returned invalid data (for example: the number of packets is greater than the number of octets). Examine the State Poller log file within NNM for more information.<br>Average: The total of all the values divided by the number of samples. |
| InterfaceMetrics | LAN Alignment Errors (sum) | (For Local Area Network Interfaces only) Total number of alignment errors.<br>Summation: The total of all the values. |
| InterfaceMetrics | LAN Collision Count (sum) | (For Local Area Network Interfaces only) Total number of frames that experience collision.<br>Summation: The total of all the values. |
| InterfaceMetrics | LAN Collision Rate (avg) | (For Local Area Network Interfaces only) Percentage of frames that experience collision.<br>Average: The total of all the values divided by the number |

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| | | of samples. |
| InterfaceMetrics | LAN Collision Rate (max) | (For Local Area Network Interfaces only) Percentage of frames that experience collision.<br>Maximum: The maximum, or largest, value. |
| InterfaceMetrics | LAN Collision Rate (min) | (For Local Area Network Interfaces only) Percentage of frames that experience collision.<br>Minimum: The minimum, or smallest, value. |
| InterfaceMetrics | LAN Collision Rate (pctile05) | (For Local Area Network Interfaces only) Percentage of frames that experience collision.<br>Percentile (05): The value below which 5% of all the samples fall. |
| InterfaceMetrics | LAN Collision Rate (pctile90) | (For Local Area Network Interfaces only) Percentage of frames that experience collision.<br>Percentile (90): The value below which 90% of all the samples fall. |
| InterfaceMetrics | LAN Collision Rate (pctile95) | (For Local Area Network Interfaces only) Percentage of frames that experience collision.<br>Percentile (95): The value below which 95% of all the samples fall. |
| InterfaceMetrics | LAN Collision Rate (pctile99) | (For Local Area Network Interfaces only) Percentage of frames that experience collision.<br>Percentile (99): The value below which 99% of all the samples fall. |
| InterfaceMetrics | LAN Deferred Frames (sum) | (For Local Area Network Interfaces only) Total number of deferred frames.<br>Summation: The total of all the values. |
| InterfaceMetrics | LAN FCS Error Count (sum) | (For Local Area Network Interfaces only) Total number of frames with checksum errors.<br>Summation: The total of all the values. |
| InterfaceMetrics | LAN FCS Error Rate (avg) | (For Local Area Network Interfaces only) Percentage of frames with checksum errors.<br>Average: The total of all the values divided by the number of samples. |
| InterfaceMetrics | LAN FCS Error Rate (max) | (For Local Area Network Interfaces only) Percentage of frames with checksum errors.<br>Maximum: The maximum, or largest, value. |
| InterfaceMetrics | LAN FCS Error Rate (min) | (For Local Area Network Interfaces only) Percentage of frames with checksum errors.<br>Minimum: The minimum, or smallest, value. |
| InterfaceMetrics | LAN FCS Error Rate (pctile05) | (For Local Area Network Interfaces only) Percentage of frames with checksum errors. |

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| | | Percentile (05): The value below which 5% of all the samples fall. |
| InterfaceMetrics | LAN FCS Error Rate (pctile90) | (For Local Area Network Interfaces only) Percentage of frames with checksum errors.<br>Percentile (90): The value below which 90% of all the samples fall. |
| InterfaceMetrics | LAN FCS Error Rate (pctile95) | (For Local Area Network Interfaces only) Percentage of frames with checksum errors.<br>Percentile (95): The value below which 95% of all the samples fall. |
| InterfaceMetrics | LAN FCS Error Rate (pctile99) | (For Local Area Network Interfaces only) Percentage of frames with checksum errors.<br>Percentile (99): The value below which 99% of all the samples fall. |
| InterfaceMetrics | LAN FCS Error Rate - Lower Threshold (min) | (For Local Area Network Interfaces only) Percentage of frames with checksum errors.<br>Lower Threshold: The value below which threshold exceptions will be raised. Configurable within NNMi. |
| InterfaceMetrics | LAN FCS Error Rate - Threshold Exception Count (sum) | (For Local Area Network Interfaces only) Percentage of frames with checksum errors.<br>Threshold Exception Count: The number of samples which were in an exception state due to threshold breaches. |
| InterfaceMetrics | LAN FCS Error Rate - Threshold Exception Rate (avg) | (For Local Area Network Interfaces only) Percentage of frames with checksum errors.<br>Threshold Exception Rate: The number of samples which were in an exception state for threshold breaches, expressed as a percentage of the total number of samples. An indication of how frequently the value goes beyond threshold ranges. |
| InterfaceMetrics | LAN FCS Error Rate - Upper Threshold (max) | (For Local Area Network Interfaces only) Percentage of frames with checksum errors.<br>Upper Threshold: The value above which threshold exceptions will be raised. Configurable within NNMi. |
| InterfaceMetrics | MaxedOutTransmitAttempts (sum) | Total number of times the MSDU is not transmitted successfully due to the number of transmit attempts exceeding either the dot11ShortRetryLimit or dot11LongRetryLimit.<br>Summation: The total of all the values. |
| InterfaceMetrics | Multicast - Packets (sum) | Total number of packets received and sent by the interfaces using the multicast protocol<br>Summation: The total of all the values. |

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| InterfaceMetrics | Multicast - Packets In (sum) | Total number of packets received by the interfaces using the multicast protocol<br>Summation: The total of all the values. |
| InterfaceMetrics | Multicast - Packets Out (sum) | Total number of packets received by the interfaces using the multicast protocol<br>Summation: The total of all the values. |
| InterfaceMetrics | Node Annotation (countDistinct) | Node annotation.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| InterfaceMetrics | Node Contact (countDistinct) | Node contact.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| InterfaceMetrics | Node Family (countDistinct) | Family of the node that hosts the interface.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| InterfaceMetrics | Node ID (countDistinct) | Unique ID of the node that hosts the interface.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| InterfaceMetrics | Node Location (countDistinct) | Location of the node that hosts the interface.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| InterfaceMetrics | Node Name (countDistinct) | Hostname of the node that hosts the interface.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| InterfaceMetrics | Node ODBID (countDistinct) | Do not use this attribute for filtering the report (this attribute is used internally by HP Software products).<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| InterfaceMetrics | Node Short Name (countDistinct) | Short name of the node that hosts the interface.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| InterfaceMetrics | Node UUID (countDistinct) | UUID of the node that hosts the interface.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| InterfaceMetrics | Node Vendor (countDistinct) | Vendor of the node that hosts the interface.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| InterfaceMetrics | NonUnicast - Packets (sum) | Total number of inbound and outbound non-unicast packets.<br>Summation: The total of all the values. |

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| InterfaceMetrics | NonUnicast - Packets In (sum) | Total number of inbound non-unicast packets.<br>Summation: The total of all the values. |
| InterfaceMetrics | NonUnicast - Packets Out (sum) | Total number of outbound non-unicast packets.<br>Summation: The total of all the values. |
| InterfaceMetrics | NumActiveBridges (avg) | The number of bridges currently associated with the selected device on the selected interface.<br>Average: The total of all the values divided by the number of samples. |
| InterfaceMetrics | NumActiveBridges (max) | The number of bridges currently associated with the selected device on the selected interface.<br>Maximum: The maximum, or largest, value. |
| InterfaceMetrics | NumActiveBridges (min) | The number of bridges currently associated with the selected device on the selected interface.<br>Minimum: The minimum, or smallest, value. |
| InterfaceMetrics | NumActiveBridges (pctile05) | The number of bridges currently associated with the selected device on the selected interface.<br>Percentile (05): The value below which 5% of all the samples fall. |
| InterfaceMetrics | NumActiveBridges (pctile90) | The number of bridges currently associated with the selected device on the selected interface.<br>Percentile (90): The value below which 90% of all the samples fall. |
| InterfaceMetrics | NumActiveBridges (pctile95) | The number of bridges currently associated with the selected device on the selected interface.<br>Percentile (95): The value below which 95% of all the samples fall. |
| InterfaceMetrics | NumActiveBridges (pctile99) | The number of bridges currently associated with the selected device on the selected interface.<br>Percentile (99): The value below which 99% of all the samples fall. |
| InterfaceMetrics | NumActiveRepeaters (avg) | The number of repeaters currently associated with the selected device on the selected interface.<br>Average: The total of all the values divided by the number of samples. |
| InterfaceMetrics | NumActiveRepeaters (max) | The number of repeaters currently associated with the selected device on the selected interface.<br>Maximum: The maximum, or largest, value. |
| InterfaceMetrics | NumActiveRepeaters (min) | The number of repeaters currently associated with the selected device on the selected interface.<br>Minimum: The minimum, or smallest, value. |
| InterfaceMetrics | NumActiveRepeaters | The number of repeaters currently associated with the |

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| | (pctile05) | selected device on the selected interface.<br>Percentile (05): The value below which 5% of all the samples fall. |
| InterfaceMetrics | NumActiveRepeaters (pctile90) | The number of repeaters currently associated with the selected device on the selected interface.<br>Percentile (90): The value below which 90% of all the samples fall. |
| InterfaceMetrics | NumActiveRepeaters (pctile95) | The number of repeaters currently associated with the selected device on the selected interface.<br>Percentile (95): The value below which 95% of all the samples fall. |
| InterfaceMetrics | NumActiveRepeaters (pctile99) | The number of repeaters currently associated with the selected device on the selected interface.<br>Percentile (99): The value below which 99% of all the samples fall. |
| InterfaceMetrics | NumActiveWirelessClients (avg) | The number of wireless clients currently associated with the selected interface on the selected device.<br>Average: The total of all the values divided by the number of samples. |
| InterfaceMetrics | NumActiveWirelessClients (max) | The number of wireless clients currently associated with the selected interface on the selected device.<br>Maximum: The maximum, or largest, value. |
| InterfaceMetrics | NumActiveWirelessClients (min) | The number of wireless clients currently associated with the selected interface on the selected device.<br>Minimum: The minimum, or smallest, value. |
| InterfaceMetrics | NumActiveWirelessClients (pctile05) | The number of wireless clients currently associated with the selected interface on the selected device.<br>Percentile (05): The value below which 5% of all the samples fall. |
| InterfaceMetrics | NumActiveWirelessClients (pctile90) | The number of wireless clients currently associated with the selected interface on the selected device.<br>Percentile (90): The value below which 90% of all the samples fall. |
| InterfaceMetrics | NumActiveWirelessClients (pctile95) | The number of wireless clients currently associated with the selected interface on the selected device.<br>Percentile (95): The value below which 95% of all the samples fall. |
| InterfaceMetrics | NumActiveWirelessClients (pctile99) | The number of wireless clients currently associated with the selected interface on the selected device.<br>Percentile (99): The value below which 99% of all the samples fall. |
| InterfaceMetrics | Object Name (countDistinct) | Object Name is used by most extensionPacks to identify |

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| | | instrumented object instance.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| InterfaceMetrics | Object Type (countDistinct) | Object Type is used by most extensionPacks to identify instrumented object type.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| InterfaceMetrics | Overall Days To Threshold (min) | Lowest Days To Threshold for any forecasted measure.<br>Baseline Days To Threshold: The number of days before the normal, average value reaches the threshold. |
| InterfaceMetrics | Overall Exception Rate (avg) | Sample Exception Rate based on any thresholded or baselined measure.<br>Threshold Exception Rate: The number of samples which were in an exception state for threshold breaches, expressed as a percentage of the total number of samples. An indication of how frequently the value goes beyond threshold ranges. |
| InterfaceMetrics | Packet Size - Bytes (avg) | The average size of a packet in bytes.<br><br>For a given time period, topology selection, and grouping, the iSPI calculates the value of this metric by computing the ratio of the sum total of all inbound and outbound octets to the sum total of all inbound and outbound packets {(ifInOctets+ifOutOctets)/(ifInPkts+ifOutPkts)}.<br>Average: The total of all the values divided by the number of samples. |
| InterfaceMetrics | Packet Size - Bytes (max) | The average size of a packet in bytes.<br><br>For a given time period, topology selection, and grouping, the iSPI calculates the value of this metric by computing the ratio of the sum total of all inbound and outbound octets to the sum total of all inbound and outbound packets {(ifInOctets+ifOutOctets)/(ifInPkts+ifOutPkts)}.<br>Maximum: The maximum, or largest, value. |
| InterfaceMetrics | Packet Size - Bytes (min) | The average size of a packet in bytes.<br><br>For a given time period, topology selection, and grouping, the iSPI calculates the value of this metric by computing the ratio of the sum total of all inbound and outbound octets to the sum total of all inbound and outbound packets {(ifInOctets+ifOutOctets)/(ifInPkts+ifOutPkts)}.<br>Minimum: The minimum, or smallest, value. |
| InterfaceMetrics | Packet Size - Bytes (pctile05) | The average size of a packet in bytes. |

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| | | For a given time period, topology selection, and grouping, the iSPI calculates the value of this metric by computing the ratio of the sum total of all inbound and outbound octets to the sum total of all inbound and outbound packets {(ifInOctets+ifOutOctets)/(ifInPkts+ifOutPkts)}. Percentile (05): The value below which 5% of all the samples fall. |
| InterfaceMetrics | Packet Size - Bytes (pctile90) | The average size of a packet in bytes.<br><br>For a given time period, topology selection, and grouping, the iSPI calculates the value of this metric by computing the ratio of the sum total of all inbound and outbound octets to the sum total of all inbound and outbound packets {(ifInOctets+ifOutOctets)/(ifInPkts+ifOutPkts)}. Percentile (90): The value below which 90% of all the samples fall. |
| InterfaceMetrics | Packet Size - Bytes (pctile95) | The average size of a packet in bytes.<br><br>For a given time period, topology selection, and grouping, the iSPI calculates the value of this metric by computing the ratio of the sum total of all inbound and outbound octets to the sum total of all inbound and outbound packets {(ifInOctets+ifOutOctets)/(ifInPkts+ifOutPkts)}. Percentile (95): The value below which 95% of all the samples fall. |
| InterfaceMetrics | Packet Size - Bytes (pctile99) | The average size of a packet in bytes.<br><br>For a given time period, topology selection, and grouping, the iSPI calculates the value of this metric by computing the ratio of the sum total of all inbound and outbound octets to the sum total of all inbound and outbound packets {(ifInOctets+ifOutOctets)/(ifInPkts+ifOutPkts)}. Percentile (99): The value below which 99% of all the samples fall. |
| InterfaceMetrics | Packet Size - Bytes In (avg) | The average size of an inbound packet in bytes.<br><br>For a given time period, topology selection, and grouping, the iSPI calculates the value of this metric by computing the ratio of the total number of inbound octets to the total number of inbound packets (ifInOctets/ifInPkts). Average: The total of all the values divided by the number of samples. |
| InterfaceMetrics | Packet Size - Bytes In (max) | The average size of an inbound packet in bytes.<br><br>For a given time period, topology selection, and grouping, the iSPI calculates the value of this metric by computing |

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| | | the ratio of the total number of inbound octets to the total number of inbound packets (ifInOctets/ifInPkts).<br>Maximum: The maximum, or largest, value. |
| InterfaceMetrics | Packet Size - Bytes In (min) | The average size of an inbound packet in bytes.<br><br>For a given time period, topology selection, and grouping, the iSPI calculates the value of this metric by computing the ratio of the total number of inbound octets to the total number of inbound packets (ifInOctets/ifInPkts).<br>Minimum: The minimum, or smallest, value. |
| InterfaceMetrics | Packet Size - Bytes In (pctile05) | The average size of an inbound packet in bytes.<br><br>For a given time period, topology selection, and grouping, the iSPI calculates the value of this metric by computing the ratio of the total number of inbound octets to the total number of inbound packets (ifInOctets/ifInPkts).<br>Percentile (05): The value below which 5% of all the samples fall. |
| InterfaceMetrics | Packet Size - Bytes In (pctile90) | The average size of an inbound packet in bytes.<br><br>For a given time period, topology selection, and grouping, the iSPI calculates the value of this metric by computing the ratio of the total number of inbound octets to the total number of inbound packets (ifInOctets/ifInPkts).<br>Percentile (90): The value below which 90% of all the samples fall. |
| InterfaceMetrics | Packet Size - Bytes In (pctile95) | The average size of an inbound packet in bytes.<br><br>For a given time period, topology selection, and grouping, the iSPI calculates the value of this metric by computing the ratio of the total number of inbound octets to the total number of inbound packets (ifInOctets/ifInPkts).<br>Percentile (95): The value below which 95% of all the samples fall. |
| InterfaceMetrics | Packet Size - Bytes In (pctile99) | The average size of an inbound packet in bytes.<br><br>For a given time period, topology selection, and grouping, the iSPI calculates the value of this metric by computing the ratio of the total number of inbound octets to the total number of inbound packets (ifInOctets/ifInPkts).<br>Percentile (99): The value below which 99% of all the samples fall. |
| InterfaceMetrics | Packet Size - Bytes Out (avg) | The average size of an outbound packet in bytes.<br><br>For a given time period, topology selection, and grouping, |

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| | | the iSPI calculates the value of this metric by computing the ratio of the total number of outbound octets to the total number of outbound packets (ifOutOctets/ifOutPkts).<br>Average: The total of all the values divided by the number of samples. |
| InterfaceMetrics | Packet Size - Bytes Out (max) | The average size of an outbound packet in bytes.<br><br>For a given time period, topology selection, and grouping, the iSPI calculates the value of this metric by computing the ratio of the total number of outbound octets to the total number of outbound packets (ifOutOctets/ifOutPkts).<br>Maximum: The maximum, or largest, value. |
| InterfaceMetrics | Packet Size - Bytes Out (min) | The average size of an outbound packet in bytes.<br><br>For a given time period, topology selection, and grouping, the iSPI calculates the value of this metric by computing the ratio of the total number of outbound octets to the total number of outbound packets (ifOutOctets/ifOutPkts).<br>Minimum: The minimum, or smallest, value. |
| InterfaceMetrics | Packet Size - Bytes Out (pctile05) | The average size of an outbound packet in bytes.<br><br>For a given time period, topology selection, and grouping, the iSPI calculates the value of this metric by computing the ratio of the total number of outbound octets to the total number of outbound packets (ifOutOctets/ifOutPkts).<br>Percentile (05): The value below which 5% of all the samples fall. |
| InterfaceMetrics | Packet Size - Bytes Out (pctile90) | The average size of an outbound packet in bytes.<br><br>For a given time period, topology selection, and grouping, the iSPI calculates the value of this metric by computing the ratio of the total number of outbound octets to the total number of outbound packets (ifOutOctets/ifOutPkts).<br>Percentile (90): The value below which 90% of all the samples fall. |
| InterfaceMetrics | Packet Size - Bytes Out (pctile95) | The average size of an outbound packet in bytes.<br><br>For a given time period, topology selection, and grouping, the iSPI calculates the value of this metric by computing the ratio of the total number of outbound octets to the total number of outbound packets |

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| | | (ifOutOctets/ifOutPkts).<br>Percentile (95): The value below which 95% of all the samples fall. |
| InterfaceMetrics | Packet Size - Bytes Out (pctile99) | The average size of an outbound packet in bytes.<br><br>For a given time period, topology selection, and grouping, the iSPI calculates the value of this metric by computing the ratio of the total number of outbound octets to the total number of outbound packets (ifOutOctets/ifOutPkts).<br>Percentile (99): The value below which 99% of all the samples fall. |
| InterfaceMetrics | Period Length (secs) (sum) | The duration (in seconds) between consecutive polling cycles of NNMi.<br>Summation: The total of all the values. |
| InterfaceMetrics | Qualified Interface Name (countDistinct) | The fully qualified domain name of the interface.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| InterfaceMetrics | Queue Drops - Input Packets (sum) | Total number of inbound packets that are dropped due to a full queue.<br>Summation: The total of all the values. |
| InterfaceMetrics | Queue Drops - Input Rate (avg) | Percentage of inbound packets that are dropped due to a full queue.<br>Average: The total of all the values divided by the number of samples. |
| InterfaceMetrics | Queue Drops - Input Rate (max) | Percentage of inbound packets that are dropped due to a full queue.<br>Maximum: The maximum, or largest, value. |
| InterfaceMetrics | Queue Drops - Input Rate (min) | Percentage of inbound packets that are dropped due to a full queue.<br>Minimum: The minimum, or smallest, value. |
| InterfaceMetrics | Queue Drops - Input Rate (pctile05) | Percentage of inbound packets that are dropped due to a full queue.<br>Percentile (05): The value below which 5% of all the samples fall. |
| InterfaceMetrics | Queue Drops - Input Rate (pctile90) | Percentage of inbound packets that are dropped due to a full queue.<br>Percentile (90): The value below which 90% of all the samples fall. |
| InterfaceMetrics | Queue Drops - Input Rate (pctile95) | Percentage of inbound packets that are dropped due to a full queue.<br>Percentile (95): The value below which 95% of all the samples fall. |

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| InterfaceMetrics | Queue Drops - Input Rate (pctile99) | Percentage of inbound packets that are dropped due to a full queue.<br>Percentile (99): The value below which 99% of all the samples fall. |
| InterfaceMetrics | Queue Drops - Input Rate - Lower Threshold (min) | Percentage of inbound packets that are dropped due to a full queue.<br>Lower Threshold: The value below which threshold exceptions will be raised. Configurable within NNMi. |
| InterfaceMetrics | Queue Drops - Input Rate - Threshold Exception Count (sum) | Percentage of inbound packets that are dropped due to a full queue.<br>Threshold Exception Count: The number of samples which were in an exception state due to threshold breaches. |
| InterfaceMetrics | Queue Drops - Input Rate - Threshold Exception Rate (avg) | Percentage of inbound packets that are dropped due to a full queue.<br>Threshold Exception Rate: The number of samples which were in an exception state for threshold breaches, expressed as a percentage of the total number of samples. An indication of how frequently the value goes beyond threshold ranges. |
| InterfaceMetrics | Queue Drops - Input Rate - Upper Threshold (max) | Percentage of inbound packets that are dropped due to a full queue.<br>Upper Threshold: The value above which threshold exceptions will be raised. Configurable within NNMi. |
| InterfaceMetrics | Queue Drops - Output Packets (sum) | Total number of outbound packets that are dropped due to a full queue.<br>Summation: The total of all the values. |
| InterfaceMetrics | Queue Drops - Output Rate (avg) | Percentage of outbound packets that are dropped due to a full queue.<br>Average: The total of all the values divided by the number of samples. |
| InterfaceMetrics | Queue Drops - Output Rate (max) | Percentage of outbound packets that are dropped due to a full queue.<br>Maximum: The maximum, or largest, value. |
| InterfaceMetrics | Queue Drops - Output Rate (min) | Percentage of outbound packets that are dropped due to a full queue.<br>Minimum: The minimum, or smallest, value. |
| InterfaceMetrics | Queue Drops - Output Rate (pctile05) | Percentage of outbound packets that are dropped due to a full queue.<br>Percentile (05): The value below which 5% of all the samples fall. |
| InterfaceMetrics | Queue Drops - Output Rate (pctile90) | Percentage of outbound packets that are dropped due to |

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| | | a full queue.<br>Percentile (90): The value below which 90% of all the samples fall. |
| InterfaceMetrics | Queue Drops - Output Rate (pctile95) | Percentage of outbound packets that are dropped due to a full queue.<br>Percentile (95): The value below which 95% of all the samples fall. |
| InterfaceMetrics | Queue Drops - Output Rate (pctile99) | Percentage of outbound packets that are dropped due to a full queue.<br>Percentile (99): The value below which 99% of all the samples fall. |
| InterfaceMetrics | Queue Drops - Output Rate - Lower Threshold (min) | Percentage of outbound packets that are dropped due to a full queue.<br>Lower Threshold: The value below which threshold exceptions will be raised. Configurable within NNMi. |
| InterfaceMetrics | Queue Drops - Output Rate - Threshold Exception Count (sum) | Percentage of outbound packets that are dropped due to a full queue.<br>Threshold Exception Count: The number of samples which were in an exception state due to threshold breaches. |
| InterfaceMetrics | Queue Drops - Output Rate - Threshold Exception Rate (avg) | Percentage of outbound packets that are dropped due to a full queue.<br>Threshold Exception Rate: The number of samples which were in an exception state for threshold breaches, expressed as a percentage of the total number of samples. An indication of how frequently the value goes beyond threshold ranges. |
| InterfaceMetrics | Queue Drops - Output Rate - Upper Threshold (max) | Percentage of outbound packets that are dropped due to a full queue.<br>Upper Threshold: The value above which threshold exceptions will be raised. Configurable within NNMi. |
| InterfaceMetrics | RTSFailureCount (sum) | Total number of clear-to-send (CTS) signals failed to be sent in response to a request-to-send (RTS).<br>Summation: The total of all the values. |
| InterfaceMetrics | RTSSuccessCount (sum) | Total number of clear-to-send (CTS) signals received in response to an request-to-send (RTS).<br>Summation: The total of all the values. |
| InterfaceMetrics | Reboot (avg) | A device that is unable to perform the counter delta calculation due to a system restart.<br><br>The sysUptime value can indicate if the device was restarted.<br>Average: The total of all the values divided by the number |

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| | | of samples. |
| InterfaceMetrics | ReceivedFragmentCount (sum) | Total number of successfully received MPDUs of type Data or Management.<br>Summation: The total of all the values. |
| InterfaceMetrics | SNMP Response Time (msecs) (avg) | Time (in milliseconds) for the SNMP agent to respond to polling request.<br>Average: The total of all the values divided by the number of samples. |
| InterfaceMetrics | SNMP Response Time (msecs) (max) | Time (in milliseconds) for the SNMP agent to respond to polling request.<br>Maximum: The maximum, or largest, value. |
| InterfaceMetrics | SNMP Response Time (msecs) (min) | Time (in milliseconds) for the SNMP agent to respond to polling request.<br>Minimum: The minimum, or smallest, value. |
| InterfaceMetrics | SNMP Response Time (msecs) (pctile05) | Time (in milliseconds) for the SNMP agent to respond to polling request.<br>Percentile (05): The value below which 5% of all the samples fall. |
| InterfaceMetrics | SNMP Response Time (msecs) (pctile90) | Time (in milliseconds) for the SNMP agent to respond to polling request.<br>Percentile (90): The value below which 90% of all the samples fall. |
| InterfaceMetrics | SNMP Response Time (msecs) (pctile95) | Time (in milliseconds) for the SNMP agent to respond to polling request.<br>Percentile (95): The value below which 95% of all the samples fall. |
| InterfaceMetrics | SNMP Response Time (msecs) (pctile99) | Time (in milliseconds) for the SNMP agent to respond to polling request.<br>Percentile (99): The value below which 99% of all the samples fall. |
| InterfaceMetrics | Sample Count (sum) | Sample Count: The total number of collected samples. |
| InterfaceMetrics | SecGroup Name (countDistinct) | Name of the security group where the interface belongs.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| InterfaceMetrics | SecGroup UUID (countDistinct) | UUID of the security group where the interface belongs.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| InterfaceMetrics | SonetFarEndLineCVs/sec (avg) | The number of Coding Violations per second on the Sonet far-end line.<br>Average: The total of all the values divided by the number |

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| | | of samples. |
| InterfaceMetrics | SonetFarEndLineCVs/sec (max) | The number of Coding Violations per second on the Sonet far-end line.<br>Maximum: The maximum, or largest, value. |
| InterfaceMetrics | SonetFarEndLineCVs/sec (min) | The number of Coding Violations per second on the Sonet far-end line.<br>Minimum: The minimum, or smallest, value. |
| InterfaceMetrics | SonetFarEndLineCVs/sec (pctile05) | The number of Coding Violations per second on the Sonet far-end line.<br>Percentile (05): The value below which 5% of all the samples fall. |
| InterfaceMetrics | SonetFarEndLineCVs/sec (pctile90) | The number of Coding Violations per second on the Sonet far-end line.<br>Percentile (90): The value below which 90% of all the samples fall. |
| InterfaceMetrics | SonetFarEndLineCVs/sec (pctile95) | The number of Coding Violations per second on the Sonet far-end line.<br>Percentile (95): The value below which 95% of all the samples fall. |
| InterfaceMetrics | SonetFarEndLineCVs/sec (pctile99) | The number of Coding Violations per second on the Sonet far-end line.<br>Percentile (99): The value below which 99% of all the samples fall. |
| InterfaceMetrics | SonetFarEndLineESs Rate (avg) | The percentage of Errored Seconds on the Sonet far-end line.<br>Average: The total of all the values divided by the number of samples. |
| InterfaceMetrics | SonetFarEndLineESs Rate (max) | The percentage of Errored Seconds on the Sonet far-end line.<br>Maximum: The maximum, or largest, value. |
| InterfaceMetrics | SonetFarEndLineESs Rate (min) | The percentage of Errored Seconds on the Sonet far-end line.<br>Minimum: The minimum, or smallest, value. |
| InterfaceMetrics | SonetFarEndLineESs Rate (pctile05) | The percentage of Errored Seconds on the Sonet far-end line.<br>Percentile (05): The value below which 5% of all the samples fall. |
| InterfaceMetrics | SonetFarEndLineESs Rate (pctile90) | The percentage of Errored Seconds on the Sonet far-end line.<br>Percentile (90): The value below which 90% of all the samples fall. |

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| InterfaceMetrics | SonetFarEndLineESs Rate (pctile95) | The percentage of Errored Seconds on the Sonet far-end line.<br>Percentile (95): The value below which 95% of all the samples fall. |
| InterfaceMetrics | SonetFarEndLineESs Rate (pctile99) | The percentage of Errored Seconds on the Sonet far-end line.<br>Percentile (99): The value below which 99% of all the samples fall. |
| InterfaceMetrics | SonetFarEndLineSESs Rate (avg) | The percentage of Severely Errored Seconds on the Sonet far-end line.<br>Average: The total of all the values divided by the number of samples. |
| InterfaceMetrics | SonetFarEndLineSESs Rate (max) | The percentage of Severely Errored Seconds on the Sonet far-end line.<br>Maximum: The maximum, or largest, value. |
| InterfaceMetrics | SonetFarEndLineSESs Rate (min) | The percentage of Severely Errored Seconds on the Sonet far-end line.<br>Minimum: The minimum, or smallest, value. |
| InterfaceMetrics | SonetFarEndLineSESs Rate (pctile05) | The percentage of Severely Errored Seconds on the Sonet far-end line.<br>Percentile (05): The value below which 5% of all the samples fall. |
| InterfaceMetrics | SonetFarEndLineSESs Rate (pctile90) | The percentage of Severely Errored Seconds on the Sonet far-end line.<br>Percentile (90): The value below which 90% of all the samples fall. |
| InterfaceMetrics | SonetFarEndLineSESs Rate (pctile95) | The percentage of Severely Errored Seconds on the Sonet far-end line.<br>Percentile (95): The value below which 95% of all the samples fall. |
| InterfaceMetrics | SonetFarEndLineSESs Rate (pctile99) | The percentage of Severely Errored Seconds on the Sonet far-end line.<br>Percentile (99): The value below which 99% of all the samples fall. |
| InterfaceMetrics | SonetFarEndLineUASs Rate (avg) | The percentage of unavailable seconds on the Sonet far-end line.<br>Average: The total of all the values divided by the number of samples. |
| InterfaceMetrics | SonetFarEndLineUASs Rate (max) | The percentage of unavailable seconds on the Sonet far-end line.<br>Maximum: The maximum, or largest, value. |
| InterfaceMetrics | SonetFarEndLineUASs | The percentage of unavailable seconds on the Sonet far- |

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| | Rate (min) | end line.<br>Minimum: The minimum, or smallest, value. |
| InterfaceMetrics | SonetFarEndLineUASs Rate (pctile05) | The percentage of unavailable seconds on the Sonet far-end line.<br>Percentile (05): The value below which 5% of all the samples fall. |
| InterfaceMetrics | SonetFarEndLineUASs Rate (pctile90) | The percentage of unavailable seconds on the Sonet far-end line.<br>Percentile (90): The value below which 90% of all the samples fall. |
| InterfaceMetrics | SonetFarEndLineUASs Rate (pctile95) | The percentage of unavailable seconds on the Sonet far-end line.<br>Percentile (95): The value below which 95% of all the samples fall. |
| InterfaceMetrics | SonetFarEndLineUASs Rate (pctile99) | The percentage of unavailable seconds on the Sonet far-end line.<br>Percentile (99): The value below which 99% of all the samples fall. |
| InterfaceMetrics | SonetFarEndPathCVs/sec (avg) | The number of Coding Violations per second on the Sonet far-end path.<br>Average: The total of all the values divided by the number of samples. |
| InterfaceMetrics | SonetFarEndPathCVs/sec (max) | The number of Coding Violations per second on the Sonet far-end path.<br>Maximum: The maximum, or largest, value. |
| InterfaceMetrics | SonetFarEndPathCVs/sec (min) | The number of Coding Violations per second on the Sonet far-end path.<br>Minimum: The minimum, or smallest, value. |
| InterfaceMetrics | SonetFarEndPathCVs/sec (pctile05) | The number of Coding Violations per second on the Sonet far-end path.<br>Percentile (05): The value below which 5% of all the samples fall. |
| InterfaceMetrics | SonetFarEndPathCVs/sec (pctile90) | The number of Coding Violations per second on the Sonet far-end path.<br>Percentile (90): The value below which 90% of all the samples fall. |
| InterfaceMetrics | SonetFarEndPathCVs/sec (pctile95) | The number of Coding Violations per second on the Sonet far-end path.<br>Percentile (95): The value below which 95% of all the samples fall. |
| InterfaceMetrics | SonetFarEndPathCVs/sec (pctile99) | The number of Coding Violations per second on the Sonet far-end path. |

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| | | Percentile (99): The value below which 99% of all the samples fall. |
| InterfaceMetrics | SonetFarEndPathESs Rate (avg) | The percentage of Errored Seconds on the Sonet far-end path.<br>Average: The total of all the values divided by the number of samples. |
| InterfaceMetrics | SonetFarEndPathESs Rate (max) | The percentage of Errored Seconds on the Sonet far-end path.<br>Maximum: The maximum, or largest, value. |
| InterfaceMetrics | SonetFarEndPathESs Rate (min) | The percentage of Errored Seconds on the Sonet far-end path.<br>Minimum: The minimum, or smallest, value. |
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| InterfaceMetrics | SonetFarEndPathESs Rate (pctile95) | The percentage of Errored Seconds on the Sonet far-end path.<br>Percentile (95): The value below which 95% of all the samples fall. |
| InterfaceMetrics | SonetFarEndPathESs Rate (pctile99) | The percentage of Errored Seconds on the Sonet far-end path.<br>Percentile (99): The value below which 99% of all the samples fall. |
| InterfaceMetrics | SonetFarEndPathSESs Rate (avg) | The percentage of Severely Errored Seconds on the Sonet far-end path.<br>Average: The total of all the values divided by the number of samples. |
| InterfaceMetrics | SonetFarEndPathSESs Rate (max) | The percentage of Severely Errored Seconds on the Sonet far-end path.<br>Maximum: The maximum, or largest, value. |
| InterfaceMetrics | SonetFarEndPathSESs Rate (min) | The percentage of Severely Errored Seconds on the Sonet far-end path.<br>Minimum: The minimum, or smallest, value. |
| InterfaceMetrics | SonetFarEndPathSESs Rate (pctile05) | The percentage of Severely Errored Seconds on the Sonet far-end path.<br>Percentile (05): The value below which 5% of all the samples fall. |

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| InterfaceMetrics | SonetFarEndPathSESs Rate (pctile90) | The percentage of Severely Errored Seconds on the Sonet far-end path.<br>Percentile (90): The value below which 90% of all the samples fall. |
| InterfaceMetrics | SonetFarEndPathSESs Rate (pctile95) | The percentage of Severely Errored Seconds on the Sonet far-end path.<br>Percentile (95): The value below which 95% of all the samples fall. |
| InterfaceMetrics | SonetFarEndPathSESs Rate (pctile99) | The percentage of Severely Errored Seconds on the Sonet far-end path.<br>Percentile (99): The value below which 99% of all the samples fall. |
| InterfaceMetrics | SonetFarEndPathUASs Rate (avg) | The percentage of unavailable seconds on the Sonet far-end path.<br>Average: The total of all the values divided by the number of samples. |
| InterfaceMetrics | SonetFarEndPathUASs Rate (max) | The percentage of unavailable seconds on the Sonet far-end path.<br>Maximum: The maximum, or largest, value. |
| InterfaceMetrics | SonetFarEndPathUASs Rate (min) | The percentage of unavailable seconds on the Sonet far-end path.<br>Minimum: The minimum, or smallest, value. |
| InterfaceMetrics | SonetFarEndPathUASs Rate (pctile05) | The percentage of unavailable seconds on the Sonet far-end path.<br>Percentile (05): The value below which 5% of all the samples fall. |
| InterfaceMetrics | SonetFarEndPathUASs Rate (pctile90) | The percentage of unavailable seconds on the Sonet far-end path.<br>Percentile (90): The value below which 90% of all the samples fall. |
| InterfaceMetrics | SonetFarEndPathUASs Rate (pctile95) | The percentage of unavailable seconds on the Sonet far-end path.<br>Percentile (95): The value below which 95% of all the samples fall. |
| InterfaceMetrics | SonetFarEndPathUASs Rate (pctile99) | The percentage of unavailable seconds on the Sonet far-end path.<br>Percentile (99): The value below which 99% of all the samples fall. |
| InterfaceMetrics | SonetLineESs Rate (avg) | The percentage of Errored Seconds on the Sonet line.<br>Average: The total of all the values divided by the number of samples. |
| InterfaceMetrics | SonetLineESs Rate (max) | The percentage of Errored Seconds on the Sonet line. |

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| | | Maximum: The maximum, or largest, value. |
| InterfaceMetrics | SonetLineESs Rate (min) | The percentage of Errored Seconds on the Sonet line.<br>Minimum: The minimum, or smallest, value. |
| InterfaceMetrics | SonetLineESs Rate (pctile05) | The percentage of Errored Seconds on the Sonet line.<br>Percentile (05): The value below which 5% of all the samples fall. |
| InterfaceMetrics | SonetLineESs Rate (pctile90) | The percentage of Errored Seconds on the Sonet line.<br>Percentile (90): The value below which 90% of all the samples fall. |
| InterfaceMetrics | SonetLineESs Rate (pctile95) | The percentage of Errored Seconds on the Sonet line.<br>Percentile (95): The value below which 95% of all the samples fall. |
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| InterfaceMetrics | SonetLineUASs Rate (avg) | The percentage of unavailable seconds on the Sonet line. Average: The total of all the values divided by the number of samples. |
| InterfaceMetrics | SonetLineUASs Rate (max) | The percentage of unavailable seconds on the Sonet line. Maximum: The maximum, or largest, value. |
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| InterfaceMetrics | SonetLineUASs Rate (pctile05) | The percentage of unavailable seconds on the Sonet line. Percentile (05): The value below which 5% of all the samples fall. |
| InterfaceMetrics | SonetLineUASs Rate (pctile90) | The percentage of unavailable seconds on the Sonet line. Percentile (90): The value below which 90% of all the samples fall. |
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| InterfaceMetrics | SonetLineUASs Rate (pctile99) | The percentage of unavailable seconds on the Sonet line. Percentile (99): The value below which 99% of all the samples fall. |
| InterfaceMetrics | SonetPathCVs/sec (avg) | The number of Coding Violations on the Sonet path. Average: The total of all the values divided by the number of samples. |
| InterfaceMetrics | SonetPathCVs/sec (max) | The number of Coding Violations on the Sonet path. Maximum: The maximum, or largest, value. |
| InterfaceMetrics | SonetPathCVs/sec (min) | The number of Coding Violations on the Sonet path. Minimum: The minimum, or smallest, value. |
| InterfaceMetrics | SonetPathCVs/sec (pctile05) | The number of Coding Violations on the Sonet path. Percentile (05): The value below which 5% of all the samples fall. |
| InterfaceMetrics | SonetPathCVs/sec (pctile90) | The number of Coding Violations on the Sonet path. Percentile (90): The value below which 90% of all the samples fall. |
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| InterfaceMetrics | SonetPathCVs/sec (pctile99) | The number of Coding Violations on the Sonet path. Percentile (99): The value below which 99% of all the samples fall. |
| InterfaceMetrics | SonetPathESs Rate (avg) | The percentage of Errored Seconds on the Sonet path. Average: The total of all the values divided by the number |

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| | | of samples. |
| InterfaceMetrics | SonetPathESs Rate (max) | The percentage of Errored Seconds on the Sonet path.<br>Maximum: The maximum, or largest, value. |
| InterfaceMetrics | SonetPathESs Rate (min) | The percentage of Errored Seconds on the Sonet path.<br>Minimum: The minimum, or smallest, value. |
| InterfaceMetrics | SonetPathESs Rate (pctile05) | The percentage of Errored Seconds on the Sonet path.<br>Percentile (05): The value below which 5% of all the samples fall. |
| InterfaceMetrics | SonetPathESs Rate (pctile90) | The percentage of Errored Seconds on the Sonet path.<br>Percentile (90): The value below which 90% of all the samples fall. |
| InterfaceMetrics | SonetPathESs Rate (pctile95) | The percentage of Errored Seconds on the Sonet path.<br>Percentile (95): The value below which 95% of all the samples fall. |
| InterfaceMetrics | SonetPathESs Rate (pctile99) | The percentage of Errored Seconds on the Sonet path.<br>Percentile (99): The value below which 99% of all the samples fall. |
| InterfaceMetrics | SonetPathSESs Rate (avg) | The percentage of Severely Errored Seconds on the Sonet path.<br>Average: The total of all the values divided by the number of samples. |
| InterfaceMetrics | SonetPathSESs Rate (max) | The percentage of Severely Errored Seconds on the Sonet path.<br>Maximum: The maximum, or largest, value. |
| InterfaceMetrics | SonetPathSESs Rate (min) | The percentage of Severely Errored Seconds on the Sonet path.<br>Minimum: The minimum, or smallest, value. |
| InterfaceMetrics | SonetPathSESs Rate (pctile05) | The percentage of Severely Errored Seconds on the Sonet path.<br>Percentile (05): The value below which 5% of all the samples fall. |
| InterfaceMetrics | SonetPathSESs Rate (pctile90) | The percentage of Severely Errored Seconds on the Sonet path.<br>Percentile (90): The value below which 90% of all the samples fall. |
| InterfaceMetrics | SonetPathSESs Rate (pctile95) | The percentage of Severely Errored Seconds on the Sonet path.<br>Percentile (95): The value below which 95% of all the samples fall. |
| InterfaceMetrics | SonetPathSESs Rate | The percentage of Severely Errored Seconds on the |

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| | (pctile99) | Sonet path.<br>Percentile (99): The value below which 99% of all the samples fall. |
| InterfaceMetrics | SonetPathUASs Rate (avg) | The percentage of unavailable seconds on the Sonet path.<br>Average: The total of all the values divided by the number of samples. |
| InterfaceMetrics | SonetPathUASs Rate (max) | The percentage of unavailable seconds on the Sonet path.<br>Maximum: The maximum, or largest, value. |
| InterfaceMetrics | SonetPathUASs Rate (min) | The percentage of unavailable seconds on the Sonet path.<br>Minimum: The minimum, or smallest, value. |
| InterfaceMetrics | SonetPathUASs Rate (pctile05) | The percentage of unavailable seconds on the Sonet path.<br>Percentile (05): The value below which 5% of all the samples fall. |
| InterfaceMetrics | SonetPathUASs Rate (pctile90) | The percentage of unavailable seconds on the Sonet path.<br>Percentile (90): The value below which 90% of all the samples fall. |
| InterfaceMetrics | SonetPathUASs Rate (pctile95) | The percentage of unavailable seconds on the Sonet path.<br>Percentile (95): The value below which 95% of all the samples fall. |
| InterfaceMetrics | SonetPathUASs Rate (pctile99) | The percentage of unavailable seconds on the Sonet path.<br>Percentile (99): The value below which 99% of all the samples fall. |
| InterfaceMetrics | SonetSectionCVs/sec (avg) | The number of Coding Violations per second in the Sonet Section interval table.<br>Average: The total of all the values divided by the number of samples. |
| InterfaceMetrics | SonetSectionCVs/sec (max) | The number of Coding Violations per second in the Sonet Section interval table.<br>Maximum: The maximum, or largest, value. |
| InterfaceMetrics | SonetSectionCVs/sec (min) | The number of Coding Violations per second in the Sonet Section interval table.<br>Minimum: The minimum, or smallest, value. |
| InterfaceMetrics | SonetSectionCVs/sec (pctile05) | The number of Coding Violations per second in the Sonet Section interval table.<br>Percentile (05): The value below which 5% of all the |

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| | | samples fall. |
| InterfaceMetrics | SonetSectionCVs/sec (pctile90) | The number of Coding Violations per second in the Sonet Section interval table.<br>Percentile (90): The value below which 90% of all the samples fall. |
| InterfaceMetrics | SonetSectionCVs/sec (pctile95) | The number of Coding Violations per second in the Sonet Section interval table.<br>Percentile (95): The value below which 95% of all the samples fall. |
| InterfaceMetrics | SonetSectionCVs/sec (pctile99) | The number of Coding Violations per second in the Sonet Section interval table.<br>Percentile (99): The value below which 99% of all the samples fall. |
| InterfaceMetrics | SonetSectionESs Rate (avg) | The percentage of errored seconds in the Sonet Section interval table.<br>Average: The total of all the values divided by the number of samples. |
| InterfaceMetrics | SonetSectionESs Rate (max) | The percentage of errored seconds in the Sonet Section interval table.<br>Maximum: The maximum, or largest, value. |
| InterfaceMetrics | SonetSectionESs Rate (min) | The percentage of errored seconds in the Sonet Section interval table.<br>Minimum: The minimum, or smallest, value. |
| InterfaceMetrics | SonetSectionESs Rate (pctile05) | The percentage of errored seconds in the Sonet Section interval table.<br>Percentile (05): The value below which 5% of all the samples fall. |
| InterfaceMetrics | SonetSectionESs Rate (pctile90) | The percentage of errored seconds in the Sonet Section interval table.<br>Percentile (90): The value below which 90% of all the samples fall. |
| InterfaceMetrics | SonetSectionESs Rate (pctile95) | The percentage of errored seconds in the Sonet Section interval table.<br>Percentile (95): The value below which 95% of all the samples fall. |
| InterfaceMetrics | SonetSectionESs Rate (pctile99) | The percentage of errored seconds in the Sonet Section interval table.<br>Percentile (99): The value below which 99% of all the samples fall. |
| InterfaceMetrics | SonetSectionSEFSs Rate (avg) | The percentage of Severely Errored Framing seconds in the Sonet Section interval table.<br>Average: The total of all the values divided by the number |

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| InterfaceMetrics | SonetSectionSEFSs Rate (max) | The percentage of Severely Errored Framing seconds in the Sonet Section interval table.<br>Maximum: The maximum, or largest, value. |
| InterfaceMetrics | SonetSectionSEFSs Rate (min) | The percentage of Severely Errored Framing seconds in the Sonet Section interval table.<br>Minimum: The minimum, or smallest, value. |
| InterfaceMetrics | SonetSectionSEFSs Rate (pctile05) | The percentage of Severely Errored Framing seconds in the Sonet Section interval table.<br>Percentile (05): The value below which 5% of all the samples fall. |
| InterfaceMetrics | SonetSectionSEFSs Rate (pctile90) | The percentage of Severely Errored Framing seconds in the Sonet Section interval table.<br>Percentile (90): The value below which 90% of all the samples fall. |
| InterfaceMetrics | SonetSectionSEFSs Rate (pctile95) | The percentage of Severely Errored Framing seconds in the Sonet Section interval table.<br>Percentile (95): The value below which 95% of all the samples fall. |
| InterfaceMetrics | SonetSectionSEFSs Rate (pctile99) | The percentage of Severely Errored Framing seconds in the Sonet Section interval table.<br>Percentile (99): The value below which 99% of all the samples fall. |
| InterfaceMetrics | SonetSectionSESs Rate (avg) | The percentage of Severely Errored Seconds in the Sonet Section interval table.<br>Average: The total of all the values divided by the number of samples. |
| InterfaceMetrics | SonetSectionSESs Rate (max) | The percentage of Severely Errored Seconds in the Sonet Section interval table.<br>Maximum: The maximum, or largest, value. |
| InterfaceMetrics | SonetSectionSESs Rate (min) | The percentage of Severely Errored Seconds in the Sonet Section interval table.<br>Minimum: The minimum, or smallest, value. |
| InterfaceMetrics | SonetSectionSESs Rate (pctile05) | The percentage of Severely Errored Seconds in the Sonet Section interval table.<br>Percentile (05): The value below which 5% of all the samples fall. |
| InterfaceMetrics | SonetSectionSESs Rate (pctile90) | The percentage of Severely Errored Seconds in the Sonet Section interval table.<br>Percentile (90): The value below which 90% of all the samples fall. |

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| InterfaceMetrics | SonetSectionSESs Rate (pctile95) | The percentage of Severely Errored Seconds in the Sonet Section interval table.<br>Percentile (95): The value below which 95% of all the samples fall. |
| InterfaceMetrics | SonetSectionSESs Rate (pctile99) | The percentage of Severely Errored Seconds in the Sonet Section interval table.<br>Percentile (99): The value below which 99% of all the samples fall. |
| InterfaceMetrics | StationsAssociated (sum) | The number of stations currently associated with the selected device on the selected interface.<br>Summation: The total of all the values. |
| InterfaceMetrics | StationsAuthenticated (sum) | The number of stations currently authenticated for the selected device on the selected interface.<br>Summation: The total of all the values. |
| InterfaceMetrics | StationsDeauthenticated (sum) | Total number of stations de-authenticated with this device on the selected interface.<br><br>The metric displays the number of stations for which the authentication were removed from the selected interface since the device re-started.<br>Summation: The total of all the values. |
| InterfaceMetrics | StationsDisassociated (sum) | Total number of stations disassociated with this device on the selected interface.<br><br>The metric displays the number of stations that were disassociated from the selected interface since the device re-started.<br>Summation: The total of all the values. |
| InterfaceMetrics | StationsRoamedAway (sum) | Total number of stations roamed (transferred) away from this device on the selected interface.<br><br>The metric displays the number of stations transferred from the selected interface since the device re-started.<br>Summation: The total of all the values. |
| InterfaceMetrics | StationsRoamedIn (sum) | The total number of stations roamed (transferred) from another device to this device on the selected interface.<br><br>The metric displays the number of stations transferred to the selected interface since the device re-started.<br>Summation: The total of all the values. |
| InterfaceMetrics | SuccessfulRetryCount (sum) | Total number of times the MSDU is successfully transmitted after one or more re-transmissions.<br>Summation: The total of all the values. |

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| InterfaceMetrics | Target Error (avg) | A device that returned an authentication error.<br>Average: The total of all the values divided by the number of samples. |
| InterfaceMetrics | Tenant Name (countDistinct) | Name of the tenant group where the interface belongs.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| InterfaceMetrics | Tenant UUID (countDistinct) | UUID of the tenant group where the interface belongs.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| InterfaceMetrics | Threshold Exception Rate (avg) | Sample Threshold Exception Rate based on any thresholded measure.<br>Threshold Exception Rate: The number of samples which were in an exception state for threshold breaches, expressed as a percentage of the total number of samples. An indication of how frequently the value goes beyond threshold ranges. |
| InterfaceMetrics | Throughput (bps) (avg) | Total inbound and outbound data (in bits) per second.<br><br>For a given time period, topology selection, and grouping, the iSPI calculates the value of this metric by multiplying the total number of inbound and outbound octets per second by 8.<br>Average: The total of all the values divided by the number of samples. |
| InterfaceMetrics | Throughput (bps) (max) | Total inbound and outbound data (in bits) per second.<br><br>For a given time period, topology selection, and grouping, the iSPI calculates the value of this metric by multiplying the total number of inbound and outbound octets per second by 8.<br>Maximum: The maximum, or largest, value. |
| InterfaceMetrics | Throughput (bps) (min) | Total inbound and outbound data (in bits) per second.<br><br>For a given time period, topology selection, and grouping, the iSPI calculates the value of this metric by multiplying the total number of inbound and outbound octets per second by 8.<br>Minimum: The minimum, or smallest, value. |
| InterfaceMetrics | Throughput (bps) (pctile05) | Total inbound and outbound data (in bits) per second.<br><br>For a given time period, topology selection, and grouping, the iSPI calculates the value of this metric by multiplying the total number of inbound and outbound octets per second by 8.<br>Percentile (05): The value below which 5% of all the |

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| | | samples fall. |
| InterfaceMetrics | Throughput (bps) (pctile90) | Total inbound and outbound data (in bits) per second.<br><br>For a given time period, topology selection, and grouping, the iSPI calculates the value of this metric by multiplying the total number of inbound and outbound octets per second by 8.<br>Percentile (90): The value below which 90% of all the samples fall. |
| InterfaceMetrics | Throughput (bps) (pctile95) | Total inbound and outbound data (in bits) per second.<br><br>For a given time period, topology selection, and grouping, the iSPI calculates the value of this metric by multiplying the total number of inbound and outbound octets per second by 8.<br>Percentile (95): The value below which 95% of all the samples fall. |
| InterfaceMetrics | Throughput (bps) (pctile99) | Total inbound and outbound data (in bits) per second.<br><br>For a given time period, topology selection, and grouping, the iSPI calculates the value of this metric by multiplying the total number of inbound and outbound octets per second by 8.<br>Percentile (99): The value below which 99% of all the samples fall. |
| InterfaceMetrics | Throughput In (bps) (avg) | Total inbound data (in bits) per second.<br><br>For a given time period, topology selection, and grouping, the iSPI calculates the value of this metric by multiplying the total number of inbound octets per second by 8.<br>Average: The total of all the values divided by the number of samples. |
| InterfaceMetrics | Throughput In (bps) (max) | Total inbound data (in bits) per second.<br><br>For a given time period, topology selection, and grouping, the iSPI calculates the value of this metric by multiplying the total number of inbound octets per second by 8.<br>Maximum: The maximum, or largest, value. |
| InterfaceMetrics | Throughput In (bps) (min) | Total inbound data (in bits) per second.<br><br>For a given time period, topology selection, and grouping, the iSPI calculates the value of this metric by multiplying the total number of inbound octets per second by 8.<br>Minimum: The minimum, or smallest, value. |

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| InterfaceMetrics | Throughput In (bps) (pctile05) | Total inbound data (in bits) per second.<br><br>For a given time period, topology selection, and grouping, the iSPI calculates the value of this metric by multiplying the total number of inbound octets per second by 8. Percentile (05): The value below which 5% of all the samples fall. |
| InterfaceMetrics | Throughput In (bps) (pctile90) | Total inbound data (in bits) per second.<br><br>For a given time period, topology selection, and grouping, the iSPI calculates the value of this metric by multiplying the total number of inbound octets per second by 8. Percentile (90): The value below which 90% of all the samples fall. |
| InterfaceMetrics | Throughput In (bps) (pctile95) | Total inbound data (in bits) per second.<br><br>For a given time period, topology selection, and grouping, the iSPI calculates the value of this metric by multiplying the total number of inbound octets per second by 8. Percentile (95): The value below which 95% of all the samples fall. |
| InterfaceMetrics | Throughput In (bps) (pctile99) | Total inbound data (in bits) per second.<br><br>For a given time period, topology selection, and grouping, the iSPI calculates the value of this metric by multiplying the total number of inbound octets per second by 8. Percentile (99): The value below which 99% of all the samples fall. |
| InterfaceMetrics | Throughput Out (bps) (avg) | Total outbound data (in bits) per second.<br><br>For a given time period, topology selection, and grouping, the iSPI calculates the value of this metric by multiplying the total number of outbound octets per second by 8. Average: The total of all the values divided by the number of samples. |
| InterfaceMetrics | Throughput Out (bps) (max) | Total outbound data (in bits) per second.<br><br>For a given time period, topology selection, and grouping, the iSPI calculates the value of this metric by multiplying the total number of outbound octets per second by 8. Maximum: The maximum, or largest, value. |
| InterfaceMetrics | Throughput Out (bps) (min) | Total outbound data (in bits) per second.<br><br>For a given time period, topology selection, and grouping, the iSPI calculates the value of this metric by multiplying |

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| | | the total number of outbound octets per second by 8.<br>Minimum: The minimum, or smallest, value. |
| InterfaceMetrics | Throughput Out (bps) (pctile05) | Total outbound data (in bits) per second.<br><br>For a given time period, topology selection, and grouping, the iSPI calculates the value of this metric by multiplying the total number of outbound octets per second by 8.<br>Percentile (05): The value below which 5% of all the samples fall. |
| InterfaceMetrics | Throughput Out (bps) (pctile90) | Total outbound data (in bits) per second.<br><br>For a given time period, topology selection, and grouping, the iSPI calculates the value of this metric by multiplying the total number of outbound octets per second by 8.<br>Percentile (90): The value below which 90% of all the samples fall. |
| InterfaceMetrics | Throughput Out (bps) (pctile95) | Total outbound data (in bits) per second.<br><br>For a given time period, topology selection, and grouping, the iSPI calculates the value of this metric by multiplying the total number of outbound octets per second by 8.<br>Percentile (95): The value below which 95% of all the samples fall. |
| InterfaceMetrics | Throughput Out (bps) (pctile99) | Total outbound data (in bits) per second.<br><br>For a given time period, topology selection, and grouping, the iSPI calculates the value of this metric by multiplying the total number of outbound octets per second by 8.<br>Percentile (99): The value below which 99% of all the samples fall. |
| InterfaceMetrics | TransmittedFragmentCount (sum) | Total number of acknowledged MPDUs that have an individual address in the address 1 field or total number of MPDUs that have a multicast address in the address 1 field of type Data or Management.<br>Summation: The total of all the values. |
| InterfaceMetrics | UndecryptableFrames (sum) | Total number of frames received with the WEP subfield of the Frame Control field set to one and the WEPOn value for the key mapped to the TA's MAC address indicates that the frame should not have been encrypted or that frame is discarded due to the receiving STA not implementing the privacy option.<br>Summation: The total of all the values. |
| InterfaceMetrics | Unicast - Packets (sum) | Total number of inbound and outbound unicast packets.<br>Summation: The total of all the values. |

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| InterfaceMetrics | Unicast - Packets In (sum) | Total number of inbound unicast packets.<br>Summation: The total of all the values. |
| InterfaceMetrics | Unicast - Packets Out (sum) | Total number of outbound unicast packets.<br>Summation: The total of all the values. |
| InterfaceMetrics | Unknown Protocol - Packets (sum) | Total number of packets received and sent by the interfaces using any protocol other than unicast, nonunicast, multicast, and broadcast.<br>Summation: The total of all the values. |
| InterfaceMetrics | Unresponsive Target (avg) | A device on which the SNMP agent did not respond when NNMi tried to metrics for a particular polling policy.<br>Average: The total of all the values divided by the number of samples. |
| InterfaceMetrics | Utilization (avg) | The percentage of the total inbound and outbound octets to the maximum number of possible inbound and outbound octets.<br>Average: The total of all the values divided by the number of samples. |
| InterfaceMetrics | Utilization (max) | The percentage of the total inbound and outbound octets to the maximum number of possible inbound and outbound octets.<br>Maximum: The maximum, or largest, value. |
| InterfaceMetrics | Utilization (min) | The percentage of the total inbound and outbound octets to the maximum number of possible inbound and outbound octets.<br>Minimum: The minimum, or smallest, value. |
| InterfaceMetrics | Utilization (pctile05) | The percentage of the total inbound and outbound octets to the maximum number of possible inbound and outbound octets.<br>Percentile (05): The value below which 5% of all the samples fall. |
| InterfaceMetrics | Utilization (pctile90) | The percentage of the total inbound and outbound octets to the maximum number of possible inbound and outbound octets.<br>Percentile (90): The value below which 90% of all the samples fall. |
| InterfaceMetrics | Utilization (pctile95) | The percentage of the total inbound and outbound octets to the maximum number of possible inbound and outbound octets.<br>Percentile (95): The value below which 95% of all the samples fall. |
| InterfaceMetrics | Utilization (pctile99) | The percentage of the total inbound and outbound octets to the maximum number of possible inbound and |

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| | | outbound octets.<br>Percentile (99): The value below which 99% of all the samples fall. |
| InterfaceMetrics | Utilization - Lower Threshold (min) | The percentage of the total inbound and outbound octets to the maximum number of possible inbound and outbound octets.<br>Lower Threshold: The value below which threshold exceptions will be raised. Configurable within NNMi. |
| InterfaceMetrics | Utilization - Threshold Exception Count (sum) | The percentage of the total inbound and outbound octets to the maximum number of possible inbound and outbound octets.<br>Threshold Exception Count: The number of samples which were in an exception state due to threshold breaches. |
| InterfaceMetrics | Utilization - Threshold Exception Rate (avg) | The percentage of the total inbound and outbound octets to the maximum number of possible inbound and outbound octets.<br>Threshold Exception Rate: The number of samples which were in an exception state for threshold breaches, expressed as a percentage of the total number of samples. An indication of how frequently the value goes beyond threshold ranges. |
| InterfaceMetrics | Utilization - Upper Threshold (max) | The percentage of the total inbound and outbound octets to the maximum number of possible inbound and outbound octets.<br>Upper Threshold: The value above which threshold exceptions will be raised. Configurable within NNMi. |
| InterfaceMetrics | Utilization In (avg) | The percentage of total inbound octets compared to the maximum number of octets that can possibly arrive.<br>Average: The total of all the values divided by the number of samples. |
| InterfaceMetrics | Utilization In (max) | The percentage of total inbound octets compared to the maximum number of octets that can possibly arrive.<br>Maximum: The maximum, or largest, value. |
| InterfaceMetrics | Utilization In (min) | The percentage of total inbound octets compared to the maximum number of octets that can possibly arrive.<br>Minimum: The minimum, or smallest, value. |
| InterfaceMetrics | Utilization In (pctile05) | The percentage of total inbound octets compared to the maximum number of octets that can possibly arrive.<br>Percentile (05): The value below which 5% of all the samples fall. |
| InterfaceMetrics | Utilization In (pctile90) | The percentage of total inbound octets compared to the maximum number of octets that can possibly arrive. |

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| | | Percentile (90): The value below which 90% of all the samples fall. |
| InterfaceMetrics | Utilization In (pctile95) | The percentage of total inbound octets compared to the maximum number of octets that can possibly arrive. Percentile (95): The value below which 95% of all the samples fall. |
| InterfaceMetrics | Utilization In (pctile99) | The percentage of total inbound octets compared to the maximum number of octets that can possibly arrive. Percentile (99): The value below which 99% of all the samples fall. |
| InterfaceMetrics | Utilization In - Baseline Average (avg) | The percentage of total inbound octets compared to the maximum number of octets that can possibly arrive. Baseline average: The normal, average value for this metric. |
| InterfaceMetrics | Utilization In - Baseline Deviation (avg) | The percentage of total inbound octets compared to the maximum number of octets that can possibly arrive. Baseline Deviation: The size of one statistical deviation from the normal, average value. An indication of how widely spread the sampled values are. |
| InterfaceMetrics | Utilization In - Baseline Exception Count (sum) | The percentage of total inbound octets compared to the maximum number of octets that can possibly arrive. Baseline Exception Count: The number of samples which were in an exception state due to baseline breaches. |
| InterfaceMetrics | Utilization In - Baseline Exception Rate (avg) | The percentage of total inbound octets compared to the maximum number of octets that can possibly arrive. Baseline Exception Rate: The number of samples which were in an exception state for baseline breaches, expressed as a percentage of the total number of samples. An indication of how frequently the value goes beyond the normal range. |
| InterfaceMetrics | Utilization In - Days To Threshold (min) | The percentage of total inbound octets compared to the maximum number of octets that can possibly arrive. Baseline Days To Threshold: The number of days before the normal, average value reaches the threshold. |
| InterfaceMetrics | Utilization In - Forecast Baseline (12 week) (avg) | The percentage of total inbound octets compared to the maximum number of octets that can possibly arrive. Forecast Baseline (12): The predicted baseline average value 12 weeks from now. |
| InterfaceMetrics | Utilization In - Forecast Baseline (4 week) (avg) | The percentage of total inbound octets compared to the maximum number of octets that can possibly arrive. Forecast Baseline (4): The predicted baseline average value 4 weeks from now. |

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| InterfaceMetrics | Utilization In - Forecast Baseline (8 week) (avg) | The percentage of total inbound octets compared to the maximum number of octets that can possibly arrive. Forecast Baseline (8): The predicted baseline average value 8 weeks from now. |
| InterfaceMetrics | Utilization In - Forecast Lower Normal (12 week) (min) | The percentage of total inbound octets compared to the maximum number of octets that can possibly arrive. Forecast Lower Normal (12): The predicted lower normal value 12 weeks from now. |
| InterfaceMetrics | Utilization In - Forecast Lower Normal (4 week) (min) | The percentage of total inbound octets compared to the maximum number of octets that can possibly arrive. Forecast Lower Normal (4): The predicted lower normal value 4 weeks from now. |
| InterfaceMetrics | Utilization In - Forecast Lower Normal (8 week) (min) | The percentage of total inbound octets compared to the maximum number of octets that can possibly arrive. Forecast Lower Normal (8): The predicted lower normal value 8 weeks from now. |
| InterfaceMetrics | Utilization In - Forecast Upper Normal (12 week) (max) | The percentage of total inbound octets compared to the maximum number of octets that can possibly arrive. Forecast Upper Normal (12): The predicted upper normal value 12 weeks from now. |
| InterfaceMetrics | Utilization In - Forecast Upper Normal (4 week) (max) | The percentage of total inbound octets compared to the maximum number of octets that can possibly arrive. Forecast Upper Normal (4): The predicted upper normal value 4 weeks from now. |
| InterfaceMetrics | Utilization In - Forecast Upper Normal (8 week) (max) | The percentage of total inbound octets compared to the maximum number of octets that can possibly arrive. Forecast Upper Normal (8): The predicted upper normal value 8 weeks from now. |
| InterfaceMetrics | Utilization In - Lower Normal (min) | The percentage of total inbound octets compared to the maximum number of octets that can possibly arrive. Baseline Lower Normal: The lower normal for this metric based upon historical data. An indication of the lowest typical value. |
| InterfaceMetrics | Utilization In - Lower Threshold (min) | The percentage of total inbound octets compared to the maximum number of octets that can possibly arrive. Lower Threshold: The value below which threshold exceptions will be raised. Configurable within NNMi. |
| InterfaceMetrics | Utilization In - Slope (avg) | The percentage of total inbound octets compared to the maximum number of octets that can possibly arrive. Baseline Slope: The slope (delta_x / delta_y) of the baseline values. An indication of how rapidly the value is changing. |

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| InterfaceMetrics | Utilization In - Threshold Exception Count (sum) | The percentage of total inbound octets compared to the maximum number of octets that can possibly arrive. Threshold Exception Count: The number of samples which were in an exception state due to threshold breaches. |
| InterfaceMetrics | Utilization In - Threshold Exception Rate (avg) | The percentage of total inbound octets compared to the maximum number of octets that can possibly arrive. Threshold Exception Rate: The number of samples which were in an exception state for threshold breaches, expressed as a percentage of the total number of samples. An indication of how frequently the value goes beyond threshold ranges. |
| InterfaceMetrics | Utilization In - Upper Normal (max) | The percentage of total inbound octets compared to the maximum number of octets that can possibly arrive. Baseline Upper Normal: The upper normal for this metric based upon historical data. An indication of the highest typical value. |
| InterfaceMetrics | Utilization In - Upper Threshold (max) | The percentage of total inbound octets compared to the maximum number of octets that can possibly arrive. Upper Threshold: The value above which threshold exceptions will be raised. Configurable within NNMi. |
| InterfaceMetrics | Utilization Out (avg) | The percentage of total outbound octets compared to the maximum number of octets that can be possibly sent. Average: The total of all the values divided by the number of samples. |
| InterfaceMetrics | Utilization Out (max) | The percentage of total outbound octets compared to the maximum number of octets that can be possibly sent. Maximum: The maximum, or largest, value. |
| InterfaceMetrics | Utilization Out (min) | The percentage of total outbound octets compared to the maximum number of octets that can be possibly sent. Minimum: The minimum, or smallest, value. |
| InterfaceMetrics | Utilization Out (pctile05) | The percentage of total outbound octets compared to the maximum number of octets that can be possibly sent. Percentile (05): The value below which 5% of all the samples fall. |
| InterfaceMetrics | Utilization Out (pctile90) | The percentage of total outbound octets compared to the maximum number of octets that can be possibly sent. Percentile (90): The value below which 90% of all the samples fall. |
| InterfaceMetrics | Utilization Out (pctile95) | The percentage of total outbound octets compared to the maximum number of octets that can be possibly sent. Percentile (95): The value below which 95% of all the samples fall. |

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| InterfaceMetrics | Utilization Out (pctile99) | The percentage of total outbound octets compared to the maximum number of octets that can be possibly sent. Percentile (99): The value below which 99% of all the samples fall. |
| InterfaceMetrics | Utilization Out - Baseline Average (avg) | The percentage of total outbound octets compared to the maximum number of octets that can be possibly sent. Baseline average: The normal, average value for this metric. |
| InterfaceMetrics | Utilization Out - Baseline Deviation (avg) | The percentage of total outbound octets compared to the maximum number of octets that can be possibly sent. Baseline Deviation: The size of one statistical deviation from the normal, average value. An indication of how widely spread the sampled values are. |
| InterfaceMetrics | Utilization Out - Baseline Exception Count (sum) | The percentage of total outbound octets compared to the maximum number of octets that can be possibly sent. Baseline Exception Count: The number of samples which were in an exception state due to baseline breaches. |
| InterfaceMetrics | Utilization Out - Baseline Exception Rate (avg) | The percentage of total outbound octets compared to the maximum number of octets that can be possibly sent. Baseline Exception Rate: The number of samples which were in an exception state for baseline breaches, expressed as a percentage of the total number of samples. An indication of how frequently the value goes beyond the normal range. |
| InterfaceMetrics | Utilization Out - Days To Threshold (min) | The percentage of total outbound octets compared to the maximum number of octets that can be possibly sent. Baseline Days To Threshold: The number of days before the normal, average value reaches the threshold. |
| InterfaceMetrics | Utilization Out - Forecast Baseline (12 week) (avg) | The percentage of total outbound octets compared to the maximum number of octets that can be possibly sent. Forecast Baseline (12): The predicted baseline average value 12 weeks from now. |
| InterfaceMetrics | Utilization Out - Forecast Baseline (4 week) (avg) | The percentage of total outbound octets compared to the maximum number of octets that can be possibly sent. Forecast Baseline (4): The predicted baseline average value 4 weeks from now. |
| InterfaceMetrics | Utilization Out - Forecast Baseline (8 week) (avg) | The percentage of total outbound octets compared to the maximum number of octets that can be possibly sent. Forecast Baseline (8): The predicted baseline average value 8 weeks from now. |
| InterfaceMetrics | Utilization Out - Forecast Lower Normal (12 week) | The percentage of total outbound octets compared to the maximum number of octets that can be possibly sent. |

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| | (min) | Forecast Lower Normal (12): The predicted lower normal value 12 weeks from now. |
| InterfaceMetrics | Utilization Out - Forecast Lower Normal (4 week) (min) | The percentage of total outbound octets compared to the maximum number of octets that can be possibly sent. Forecast Lower Normal (4): The predicted lower normal value 4 weeks from now. |
| InterfaceMetrics | Utilization Out - Forecast Lower Normal (8 week) (min) | The percentage of total outbound octets compared to the maximum number of octets that can be possibly sent. Forecast Lower Normal (8): The predicted lower normal value 8 weeks from now. |
| InterfaceMetrics | Utilization Out - Forecast Upper Normal (12 week) (max) | The percentage of total outbound octets compared to the maximum number of octets that can be possibly sent. Forecast Upper Normal (12): The predicted upper normal value 12 weeks from now. |
| InterfaceMetrics | Utilization Out - Forecast Upper Normal (4 week) (max) | The percentage of total outbound octets compared to the maximum number of octets that can be possibly sent. Forecast Upper Normal (4): The predicted upper normal value 4 weeks from now. |
| InterfaceMetrics | Utilization Out - Forecast Upper Normal (8 week) (max) | The percentage of total outbound octets compared to the maximum number of octets that can be possibly sent. Forecast Upper Normal (8): The predicted upper normal value 8 weeks from now. |
| InterfaceMetrics | Utilization Out - Lower Normal (min) | The percentage of total outbound octets compared to the maximum number of octets that can be possibly sent. Baseline Lower Normal: The lower normal for this metric based upon historical data. An indication of the lowest typical value. |
| InterfaceMetrics | Utilization Out - Lower Threshold (min) | The percentage of total outbound octets compared to the maximum number of octets that can be possibly sent. Lower Threshold: The value below which threshold exceptions will be raised. Configurable within NNMi. |
| InterfaceMetrics | Utilization Out - Slope (avg) | The percentage of total outbound octets compared to the maximum number of octets that can be possibly sent. Baseline Slope: The slope (delta_x / delta_y) of the baseline values. An indication of how rapidly the value is changing. |
| InterfaceMetrics | Utilization Out - Threshold Exception Count (sum) | The percentage of total outbound octets compared to the maximum number of octets that can be possibly sent. Threshold Exception Count: The number of samples which were in an exception state due to threshold breaches. |
| InterfaceMetrics | Utilization Out - Threshold Exception Rate (avg) | The percentage of total outbound octets compared to the |

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| | | maximum number of octets that can be possibly sent.<br>Threshold Exception Rate: The number of samples which were in an exception state for threshold breaches, expressed as a percentage of the total number of samples. An indication of how frequently the value goes beyond threshold ranges. |
| InterfaceMetrics | Utilization Out - Upper Normal (max) | The percentage of total outbound octets compared to the maximum number of octets that can be possibly sent.<br>Baseline Upper Normal: The upper normal for this metric based upon historical data. An indication of the highest typical value. |
| InterfaceMetrics | Utilization Out - Upper Threshold (max) | The percentage of total outbound octets compared to the maximum number of octets that can be possibly sent.<br>Upper Threshold: The value above which threshold exceptions will be raised. Configurable within NNMi. |
| InterfaceMetrics | Volume - Bytes (sum) | The sum total of all inbound and outbound octets .<br><br>For a given time period, topology selection, and grouping, the iSPI calculates the value of this metric by computing the change in (ifOutOctets+ifInOctets).<br>Summation: The total of all the values. |
| InterfaceMetrics | Volume - Bytes In (sum) | Total number of inbound octets.<br><br>For a given time period, topology selection, and grouping, the iSPI calculates the value of this metric by computing the change in ifInOctets.<br>Summation: The total of all the values. |
| InterfaceMetrics | Volume - Bytes Out (sum) | Total number of outbound octets.<br><br>For a given time period, topology selection, and grouping, the iSPI calculates the value of this metric by computing the change in ifOutOctets.<br>Summation: The total of all the values. |
| InterfaceMetrics | Volume - Packets (sum) | The sum total of all inbound and outbound packets.<br><br>This value indicates the sum total of all incoming and outgoing packets.<br>Summation: The total of all the values. |
| InterfaceMetrics | Volume - Packets In (sum) | Total number of inbound packets.<br>Summation: The total of all the values. |
| InterfaceMetrics | Volume - Packets Out (sum) | Total number of outbound packets.<br>Summation: The total of all the values. |
| InterfaceMetrics | WLAN FCS Error Count | Total number of Frame Check Sequence errors. |

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| | (sum) | Summation: The total of all the values. |
| InterfaceMetrics | WLAN FCS Error Rate (avg) | The percentage of frames with errors out of the total number of frames transmitted through the network. Average: The total of all the values divided by the number of samples. |
| InterfaceMetrics | WLAN FCS Error Rate (max) | The percentage of frames with errors out of the total number of frames transmitted through the network. Maximum: The maximum, or largest, value. |
| InterfaceMetrics | WLAN FCS Error Rate (min) | The percentage of frames with errors out of the total number of frames transmitted through the network. Minimum: The minimum, or smallest, value. |
| InterfaceMetrics | WLAN FCS Error Rate (pctile05) | The percentage of frames with errors out of the total number of frames transmitted through the network. Percentile (05): The value below which 5% of all the samples fall. |
| InterfaceMetrics | WLAN FCS Error Rate (pctile90) | The percentage of frames with errors out of the total number of frames transmitted through the network. Percentile (90): The value below which 90% of all the samples fall. |
| InterfaceMetrics | WLAN FCS Error Rate (pctile95) | The percentage of frames with errors out of the total number of frames transmitted through the network. Percentile (95): The value below which 95% of all the samples fall. |
| InterfaceMetrics | WLAN FCS Error Rate (pctile99) | The percentage of frames with errors out of the total number of frames transmitted through the network. Percentile (99): The value below which 99% of all the samples fall. |
| InterfaceMetrics | WLAN FCS Error Rate - Lower Threshold (min) | The percentage of frames with errors out of the total number of frames transmitted through the network. Lower Threshold: The value below which threshold exceptions will be raised. Configurable within NNMi. |
| InterfaceMetrics | WLAN FCS Error Rate - Threshold Exception Count (sum) | The percentage of frames with errors out of the total number of frames transmitted through the network. Threshold Exception Count: The number of samples which were in an exception state due to threshold breaches. |
| InterfaceMetrics | WLAN FCS Error Rate - Threshold Exception Rate (avg) | The percentage of frames with errors out of the total number of frames transmitted through the network. Threshold Exception Rate: The number of samples which were in an exception state for threshold breaches, expressed as a percentage of the total number of samples. An indication of how frequently the value goes beyond threshold ranges. |

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| InterfaceMetrics | WLAN FCS Error Rate - Upper Threshold (max) | The percentage of frames with errors out of the total number of frames transmitted through the network. Upper Threshold: The value above which threshold exceptions will be raised. Configurable within NNMi. |

# Dictionary for AtmPvc_Health

## Topology

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|---|---|---|
| AtmPvcTopology | Atm Pvc Name | Name of the ATM permanent virtual circuit (PVC). |
| AtmPvcTopology | Atm Pvc UUID | |
| AtmPvcTopology | Atm Pvc VCI | Virtual channel identifier of the ATM permanent virtual circuit (PVC). |
| AtmPvcTopology | Atm Pvc VPI | Virtual path identifier of the ATM permanent virtual circuit (PVC). |
| AtmPvcTopology | Atm Pvc Virtual Path Name | Virtual path name of the ATM permanent virtual circuit (PVC). |
| AtmPvcTopology | Atm Pvc Virtual Path UUID | Virtual path UUID of the ATM permanent virtual circuit (PVC). |
| AtmPvcTopology | Interface Alias | Alias of the ATM interface. |
| AtmPvcTopology | Interface Annotation | Interface annotation. |
| AtmPvcTopology | Interface Descr | Description of the ATM interface. |
| AtmPvcTopology | Interface Index | Index of the ATM interface. |
| AtmPvcTopology | Interface Name | Name of the ATM interface. |
| AtmPvcTopology | Interface ODBID | Do not use this attribute for filtering the report (this attribute is used internally by HP Software products). |
| AtmPvcTopology | Interface Physical Address | Physical address of the ATM interface. |
| AtmPvcTopology | Interface Speed (In:Out) | Speed of the ATM interface. |
| AtmPvcTopology | Interface Type | Type of the ATM interface. |
| AtmPvcTopology | Interface UUID | UUID of the ATM interface. |
| AtmPvcTopology | Node Annotation | Node annotation. |
| AtmPvcTopology | Node Contact | Node contact. |

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| AtmPvcTopology | Node Family | Family of the node that hosts of the ATM interface. |
| AtmPvcTopology | Node ID | Unique ID of the node that hosts of the ATM interface. |
| AtmPvcTopology | Node Location | Location of the node that hosts of the ATM interface. |
| AtmPvcTopology | Node Name | Hostname of the node that hosts of the ATM interface. |
| AtmPvcTopology | Node ODBID | Do not use this attribute for filtering the report (this attribute is used internally by HP Software products). |
| AtmPvcTopology | Node Short Name | Short name of the node that hosts of the ATM interface. |
| AtmPvcTopology | Node UUID | UUID of the node that hosts of the ATM interface. |
| AtmPvcTopology | Node Vendor | Vendor of the node that hosts of the ATM interface. |
| AtmPvcMetrics | Object Name | Object Name is used by most extensionPacks to identify instrumented object instance. |
| AtmPvcMetrics | Object Type | Object Type is used by most extensionPacks to identify instrumented object type. |
| AtmPvcTopology | Qualified Atm Pvc Name | Fully qualified domain name of the ATM permanent virtual circuit (PVC). |
| AtmPvcTopology | Qualified Interface Name | Fully qualified domain name of the ATM interface. |
| AtmPvcTopology | SecGroup Name | Name of the security group where the ATM interface belongs. |
| AtmPvcTopology | SecGroup UUID | UUID of the security group where the ATM interface belongs. |
| AtmPvcTopology | Tenant Name | Name of the tenant group where the ATM interface belongs. |
| AtmPvcTopology | Tenant UUID | UUID of the tenant group where the ATM interface belongs. |

# Metrics

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| AtmPvcMetrics | Atm Pvc Name (countDistinct) | Name of the ATM permanent virtual circuit (PVC).<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| AtmPvcMetrics | Atm Pvc UUID (countDistinct) | Count Distinct: A count of the unique, distinct, values for this topology element. |
| AtmPvcMetrics | Atm Pvc VCI (countDistinct) | Virtual channel identifier of the ATM permanent virtual circuit (PVC).<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| AtmPvcMetrics | Atm Pvc VPI (countDistinct) | Virtual path identifier of the ATM permanent virtual circuit (PVC).<br>Count Distinct: A count of the unique, distinct, values for this topology |

| | | |
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| | | element. |
| AtmPvcMetrics | Atm Pvc Virtual Path Name (countDistinct) | Virtual path name of the ATM permanent virtual circuit (PVC).<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| AtmPvcMetrics | Atm Pvc Virtual Path UUID (countDistinct) | Virtual path UUID of the ATM permanent virtual circuit (PVC).<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| AtmPvcMetrics | Discard Rate (avg) | Percentage of ATM Adaptation Layer 5 (AAL5) CPCS Protocol Data Units (PDUs) dropped from the total number of AAL5 CPCS PDUs received and transmitted on the selected AAL5 VCC.<br>Average: The total of all the values divided by the number of samples. |
| AtmPvcMetrics | Discard Rate (max) | Percentage of ATM Adaptation Layer 5 (AAL5) CPCS Protocol Data Units (PDUs) dropped from the total number of AAL5 CPCS PDUs received and transmitted on the selected AAL5 VCC.<br>Maximum: The maximum, or largest, value. |
| AtmPvcMetrics | Discard Rate (min) | Percentage of ATM Adaptation Layer 5 (AAL5) CPCS Protocol Data Units (PDUs) dropped from the total number of AAL5 CPCS PDUs received and transmitted on the selected AAL5 VCC.<br>Minimum: The minimum, or smallest, value. |
| AtmPvcMetrics | Discard Rate (pctile05) | Percentage of ATM Adaptation Layer 5 (AAL5) CPCS Protocol Data Units (PDUs) dropped from the total number of AAL5 CPCS PDUs received and transmitted on the selected AAL5 VCC.<br>Percentile (05): The value below which 5% of all the samples fall. |
| AtmPvcMetrics | Discard Rate (pctile90) | Percentage of ATM Adaptation Layer 5 (AAL5) CPCS Protocol Data Units (PDUs) dropped from the total number of AAL5 CPCS PDUs received and transmitted on the selected AAL5 VCC.<br>Percentile (90): The value below which 90% of all the samples fall. |
| AtmPvcMetrics | Discard Rate (pctile95) | Percentage of ATM Adaptation Layer 5 (AAL5) CPCS Protocol Data Units (PDUs) dropped from the total number of AAL5 CPCS PDUs received and transmitted on the selected AAL5 VCC.<br>Percentile (95): The value below which 95% of all the samples fall. |
| AtmPvcMetrics | Discard Rate (pctile99) | Percentage of ATM Adaptation Layer 5 (AAL5) CPCS Protocol Data Units (PDUs) dropped from the total number of AAL5 CPCS PDUs received and transmitted on the selected AAL5 VCC.<br>Percentile (99): The value below which 99% of all the samples fall. |
| AtmPvcMetrics | Discard Rate In (avg) | Percentage of ATM Adaptation Layer 5 (AAL5) CPCS Protocol Data Units (PDUs) dropped from the total number of AAL5 CPCS PDUs received on the selected AAL5 VCC.<br>Average: The total of all the values divided by the number of samples. |
| AtmPvcMetrics | Discard Rate | Percentage of ATM Adaptation Layer 5 (AAL5) CPCS Protocol Data |

| | | |
|---|---|---|
| | In (max) | Units (PDUs) dropped from the total number of AAL5 CPCS PDUs received on the selected AAL5 VCC.<br>Maximum: The maximum, or largest, value. |
| AtmPvcMetrics | Discard Rate In (min) | Percentage of ATM Adaptation Layer 5 (AAL5) CPCS Protocol Data Units (PDUs) dropped from the total number of AAL5 CPCS PDUs received on the selected AAL5 VCC.<br>Minimum: The minimum, or smallest, value. |
| AtmPvcMetrics | Discard Rate In (pctile05) | Percentage of ATM Adaptation Layer 5 (AAL5) CPCS Protocol Data Units (PDUs) dropped from the total number of AAL5 CPCS PDUs received on the selected AAL5 VCC.<br>Percentile (05): The value below which 5% of all the samples fall. |
| AtmPvcMetrics | Discard Rate In (pctile90) | Percentage of ATM Adaptation Layer 5 (AAL5) CPCS Protocol Data Units (PDUs) dropped from the total number of AAL5 CPCS PDUs received on the selected AAL5 VCC.<br>Percentile (90): The value below which 90% of all the samples fall. |
| AtmPvcMetrics | Discard Rate In (pctile95) | Percentage of ATM Adaptation Layer 5 (AAL5) CPCS Protocol Data Units (PDUs) dropped from the total number of AAL5 CPCS PDUs received on the selected AAL5 VCC.<br>Percentile (95): The value below which 95% of all the samples fall. |
| AtmPvcMetrics | Discard Rate In (pctile99) | Percentage of ATM Adaptation Layer 5 (AAL5) CPCS Protocol Data Units (PDUs) dropped from the total number of AAL5 CPCS PDUs received on the selected AAL5 VCC.<br>Percentile (99): The value below which 99% of all the samples fall. |
| AtmPvcMetrics | Discard Rate Out (avg) | Percentage of ATM Adaptation Layer 5 (AAL5) CPCS Protocol Data Units (PDUs) dropped from the total number of AAL5 CPCS PDUs transmitted on the selected AAL5 VCC.<br>Average: The total of all the values divided by the number of samples. |
| AtmPvcMetrics | Discard Rate Out (max) | Percentage of ATM Adaptation Layer 5 (AAL5) CPCS Protocol Data Units (PDUs) dropped from the total number of AAL5 CPCS PDUs transmitted on the selected AAL5 VCC.<br>Maximum: The maximum, or largest, value. |
| AtmPvcMetrics | Discard Rate Out (min) | Percentage of ATM Adaptation Layer 5 (AAL5) CPCS Protocol Data Units (PDUs) dropped from the total number of AAL5 CPCS PDUs transmitted on the selected AAL5 VCC.<br>Minimum: The minimum, or smallest, value. |
| AtmPvcMetrics | Discard Rate Out (pctile05) | Percentage of ATM Adaptation Layer 5 (AAL5) CPCS Protocol Data Units (PDUs) dropped from the total number of AAL5 CPCS PDUs transmitted on the selected AAL5 VCC.<br>Percentile (05): The value below which 5% of all the samples fall. |
| AtmPvcMetrics | Discard Rate Out (pctile90) | Percentage of ATM Adaptation Layer 5 (AAL5) CPCS Protocol Data Units (PDUs) dropped from the total number of AAL5 CPCS PDUs transmitted on the selected AAL5 VCC.<br>Percentile (90): The value below which 90% of all the samples fall. |

| | | |
|---|---|---|
| AtmPvcMetrics | Discard Rate Out (pctile95) | Percentage of ATM Adaptation Layer 5 (AAL5) CPCS Protocol Data Units (PDUs) dropped from the total number of AAL5 CPCS PDUs transmitted on the selected AAL5 VCC.<br>Percentile (95): The value below which 95% of all the samples fall. |
| AtmPvcMetrics | Discard Rate Out (pctile99) | Percentage of ATM Adaptation Layer 5 (AAL5) CPCS Protocol Data Units (PDUs) dropped from the total number of AAL5 CPCS PDUs transmitted on the selected AAL5 VCC.<br>Percentile (99): The value below which 99% of all the samples fall. |
| AtmPvcMetrics | Discards - PDUs (sum) | The sum total of inbound and outbound Protocol Data Units (without error) that are discarded.<br>Summation: The total of all the values. |
| AtmPvcMetrics | Discards In - PDUs (sum) | Total number of Protocol Data Units (PDUs) dropped at the receiver side of the selected ATM Adaptation Layer 5 (AAL5) VCC on the selected AAL5 interface.<br>Summation: The total of all the values. |
| AtmPvcMetrics | Discards Out - PDUs (sum) | Total number of Protocol Data Units (PDUs) dropped at the transmitter side of the selected ATM Adaptation Layer 5 (AAL5) VCC on the selected AAL5 interface.<br>Summation: The total of all the values. |
| AtmPvcMetrics | Interface Alias (countDistinct) | Alias of the ATM interface.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| AtmPvcMetrics | Interface Annotation (countDistinct) | Interface annotation.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| AtmPvcMetrics | Interface Descr (countDistinct) | Description of the ATM interface.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| AtmPvcMetrics | Interface Index (countDistinct) | Index of the ATM interface.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| AtmPvcMetrics | Interface Name (countDistinct) | Name of the ATM interface.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| AtmPvcMetrics | Interface ODBID (countDistinct) | Do not use this attribute for filtering the report (this attribute is used internally by HP Software products).<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| AtmPvcMetrics | Interface Physical Address (countDistinct) | Physical address of the ATM interface.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |

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|---|---|---|
| AtmPvcMetrics | Interface Speed (In:Out) (countDistinct) | Speed of the ATM interface.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| AtmPvcMetrics | Interface Type (countDistinct) | Type of the ATM interface.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| AtmPvcMetrics | Interface UUID (countDistinct) | UUID of the ATM interface.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| AtmPvcMetrics | Invalid Data (avg) | A device that returned invalid data (for example: the number of packets is greater than the number of octets).<br>Average: The total of all the values divided by the number of samples. |
| AtmPvcMetrics | Node Annotation (countDistinct) | Node annotation.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| AtmPvcMetrics | Node Contact (countDistinct) | Node contact.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| AtmPvcMetrics | Node Family (countDistinct) | Family of the node that hosts of the ATM interface.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| AtmPvcMetrics | Node ID (countDistinct) | Unique ID of the node that hosts of the ATM interface.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| AtmPvcMetrics | Node Location (countDistinct) | Location of the node that hosts of the ATM interface.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| AtmPvcMetrics | Node Name (countDistinct) | Hostname of the node that hosts of the ATM interface.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| AtmPvcMetrics | Node ODBID (countDistinct) | Do not use this attribute for filtering the report (this attribute is used internally by HP Software products).<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| AtmPvcMetrics | Node Short Name (countDistinct) | Short name of the node that hosts of the ATM interface.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| AtmPvcMetrics | Node UUID (countDistinct) | UUID of the node that hosts of the ATM interface.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |

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| AtmPvcMetrics | Node Vendor (countDistinct) | Vendor of the node that hosts of the ATM interface.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| AtmPvcMetrics | Object Name (countDistinct) | Object Name is used by most extensionPacks to identify instrumented object instance.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| AtmPvcMetrics | Object Type (countDistinct) | Object Type is used by most extensionPacks to identify instrumented object type.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| AtmPvcMetrics | Period Length (secs) (sum) | The duration (in seconds) between consecutive polling cycles of NNMi.<br>Summation: The total of all the values. |
| AtmPvcMetrics | Qualified Atm Pvc Name (countDistinct) | Fully qualified domain name of the ATM permanent virtual circuit (PVC).<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| AtmPvcMetrics | Qualified Interface Name (countDistinct) | Fully qualified domain name of the ATM interface.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| AtmPvcMetrics | Reboot (avg) | A device that is unable to perform the counter delta calculation due to a system restart.<br><br>The sysUptime value can indicate if the device was restarted.<br>Average: The total of all the values divided by the number of samples. |
| AtmPvcMetrics | SNMP Response Time (msecs) (avg) | Time (in milliseconds) for the SNMP agent to respond to polling request.<br>Average: The total of all the values divided by the number of samples. |
| AtmPvcMetrics | SNMP Response Time (msecs) (max) | Time (in milliseconds) for the SNMP agent to respond to polling request.<br>Maximum: The maximum, or largest, value. |
| AtmPvcMetrics | SNMP Response Time (msecs) (min) | Time (in milliseconds) for the SNMP agent to respond to polling request.<br>Minimum: The minimum, or smallest, value. |
| AtmPvcMetrics | SNMP Response Time (msecs) (pctile05) | Time (in milliseconds) for the SNMP agent to respond to polling request.<br>Percentile (05): The value below which 5% of all the samples fall. |

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| AtmPvcMetrics | SNMP Response Time (msecs) (pctile90) | Time (in milliseconds) for the SNMP agent to respond to polling request.<br>Percentile (90): The value below which 90% of all the samples fall. |
| AtmPvcMetrics | SNMP Response Time (msecs) (pctile95) | Time (in milliseconds) for the SNMP agent to respond to polling request.<br>Percentile (95): The value below which 95% of all the samples fall. |
| AtmPvcMetrics | SNMP Response Time (msecs) (pctile99) | Time (in milliseconds) for the SNMP agent to respond to polling request.<br>Percentile (99): The value below which 99% of all the samples fall. |
| AtmPvcMetrics | Sample Count (sum) | Sample Count: The total number of collected samples. |
| AtmPvcMetrics | SecGroup Name (countDistinct) | Name of the security group where the ATM interface belongs.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| AtmPvcMetrics | SecGroup UUID (countDistinct) | UUID of the security group where the ATM interface belongs.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| AtmPvcMetrics | Target Error (avg) | A device that returned an authentication error.<br>Average: The total of all the values divided by the number of samples. |
| AtmPvcMetrics | Tenant Name (countDistinct) | Name of the tenant group where the ATM interface belongs.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| AtmPvcMetrics | Tenant UUID (countDistinct) | UUID of the tenant group where the ATM interface belongs.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| AtmPvcMetrics | Unresponsive Target (avg) | A device on which the SNMP agent did not respond when NNMi tried to metrics for a particular polling policy.<br>Average: The total of all the values divided by the number of samples. |
| AtmPvcMetrics | Utilization (avg) | The percentage of the total inbound and outbound octets to the maximum number of possible inbound and outbound octets.<br>Average: The total of all the values divided by the number of samples. |
| AtmPvcMetrics | Utilization (max) | The percentage of the total inbound and outbound octets to the maximum number of possible inbound and outbound octets.<br>Maximum: The maximum, or largest, value. |
| AtmPvcMetrics | Utilization (min) | The percentage of the total inbound and outbound octets to the maximum number of possible inbound and outbound octets.<br>Minimum: The minimum, or smallest, value. |

| | | |
|---|---|---|
| AtmPvcMetrics | Utilization (pctile05) | The percentage of the total inbound and outbound octets to the maximum number of possible inbound and outbound octets.<br>Percentile (05): The value below which 5% of all the samples fall. |
| AtmPvcMetrics | Utilization (pctile90) | The percentage of the total inbound and outbound octets to the maximum number of possible inbound and outbound octets.<br>Percentile (90): The value below which 90% of all the samples fall. |
| AtmPvcMetrics | Utilization (pctile95) | The percentage of the total inbound and outbound octets to the maximum number of possible inbound and outbound octets.<br>Percentile (95): The value below which 95% of all the samples fall. |
| AtmPvcMetrics | Utilization (pctile99) | The percentage of the total inbound and outbound octets to the maximum number of possible inbound and outbound octets.<br>Percentile (99): The value below which 99% of all the samples fall. |
| AtmPvcMetrics | Utilization In (avg) | The percentage of the total inbound octets to the maximum number of possible inbound octets.<br>Average: The total of all the values divided by the number of samples. |
| AtmPvcMetrics | Utilization In (max) | The percentage of the total inbound octets to the maximum number of possible inbound octets.<br>Maximum: The maximum, or largest, value. |
| AtmPvcMetrics | Utilization In (min) | The percentage of the total inbound octets to the maximum number of possible inbound octets.<br>Minimum: The minimum, or smallest, value. |
| AtmPvcMetrics | Utilization In (pctile05) | The percentage of the total inbound octets to the maximum number of possible inbound octets.<br>Percentile (05): The value below which 5% of all the samples fall. |
| AtmPvcMetrics | Utilization In (pctile90) | The percentage of the total inbound octets to the maximum number of possible inbound octets.<br>Percentile (90): The value below which 90% of all the samples fall. |
| AtmPvcMetrics | Utilization In (pctile95) | The percentage of the total inbound octets to the maximum number of possible inbound octets.<br>Percentile (95): The value below which 95% of all the samples fall. |
| AtmPvcMetrics | Utilization In (pctile99) | The percentage of the total inbound octets to the maximum number of possible inbound octets.<br>Percentile (99): The value below which 99% of all the samples fall. |
| AtmPvcMetrics | Utilization Out (avg) | The percentage of the total outbound octets to the maximum number of possible outbound octets.<br>Average: The total of all the values divided by the number of samples. |
| AtmPvcMetrics | Utilization Out (max) | The percentage of the total outbound octets to the maximum number of possible outbound octets.<br>Maximum: The maximum, or largest, value. |
| AtmPvcMetrics | Utilization Out | The percentage of the total outbound octets to the maximum number of |

| | | |
|---|---|---|
| | (min) | possible outbound octets.<br>Minimum: The minimum, or smallest, value. |
| AtmPvcMetrics | Utilization Out (pctile05) | The percentage of the total outbound octets to the maximum number of possible outbound octets.<br>Percentile (05): The value below which 5% of all the samples fall. |
| AtmPvcMetrics | Utilization Out (pctile90) | The percentage of the total outbound octets to the maximum number of possible outbound octets.<br>Percentile (90): The value below which 90% of all the samples fall. |
| AtmPvcMetrics | Utilization Out (pctile95) | The percentage of the total outbound octets to the maximum number of possible outbound octets.<br>Percentile (95): The value below which 95% of all the samples fall. |
| AtmPvcMetrics | Utilization Out (pctile99) | The percentage of the total outbound octets to the maximum number of possible outbound octets.<br>Percentile (99): The value below which 99% of all the samples fall. |
| AtmPvcMetrics | Volume - Bytes (sum) | The volume (in bytes) of data received at and transmitted from the selected AAL5 VCC.<br>Summation: The total of all the values. |
| AtmPvcMetrics | Volume - PDUs (sum) | Total number of inbound and outbound PDUs.<br>Summation: The total of all the values. |
| AtmPvcMetrics | Volume In - Bytes (sum) | The volume (in bytes) of data received at the selected AAL5 VCC.<br>Summation: The total of all the values. |
| AtmPvcMetrics | Volume In - PDUs (sum) | Total number of inbound PDUs.<br>Summation: The total of all the values. |
| AtmPvcMetrics | Volume Out - Bytes (sum) | The volume (in bytes) of data transmitted from the selected AAL5 VCC.<br>Summation: The total of all the values. |
| AtmPvcMetrics | Volume Out - PDUs (sum) | Total number of outbound PDUs.<br>Summation: The total of all the values. |

# Dictionary for Component_Health

## Topology

| | | |
|---|---|---|
| ComponentTopology | Component ID | |
| ComponentTopology | Component Name | Hostname of the component. |
| ComponentTopology | Component Type | Type of the component. |
| ComponentTopology | Component | |

| | | |
|---|---|---|
| | UUID | |
| ComponentTopology | Node Annotation | Node annotation. |
| ComponentTopology | Node Contact | Node contact. |
| ComponentTopology | Node Family | Family of the node that hosts the component. |
| ComponentTopology | Node ID | Unique ID of the node that hosts the component. |
| ComponentTopology | Node Location | Location of the node that hosts the component. |
| ComponentTopology | Node Name | Hostname of the node that hosts of the component. |
| ComponentTopology | Node ODBID | Do not use this attribute for filtering the report (this attribute is used internally by HP Software products). |
| ComponentTopology | Node Short Name | Short name of the node that hosts of the component. |
| ComponentTopology | Node UUID | UUID of the node that hosts the component. |
| ComponentTopology | Node Vendor | Vendor of the node that hosts the component. |
| ComponentMetrics | Object Name | Object Name is used by most extensionPacks to identify instrumented object instance. |
| ComponentMetrics | Object Type | Object Type is used by most extensionPacks to identify instrumented object type. |
| ComponentTopology | Qualified Component Name | Fully qualified name of the component. |
| ComponentTopology | SecGroup Name | Name of the security group where the component belongs. |
| ComponentTopology | SecGroup UUID | UUID of the security group where the component belongs. |
| ComponentTopology | Tenant Name | Name of the tenant group where the component belongs. |
| ComponentTopology | Tenant UUID | UUID of the tenant group where the component belongs. |

# Metrics

| | | |
|---|---|---|
| ComponentMetrics | Backplane Utilization (avg) | Percentage of backplane usage.<br>Average: The total of all the values divided by the number of samples. |
| ComponentMetrics | Backplane Utilization (max) | Percentage of backplane usage.<br>Maximum: The maximum, or largest, value. |
| ComponentMetrics | Backplane Utilization | Percentage of backplane usage.<br>Minimum: The minimum, or smallest, value. |

| | | |
|---|---|---|
| | (min) | |
| ComponentMetrics | Backplane Utilization (pctile05) | Percentage of backplane usage.<br>Percentile (05): The value below which 5% of all the samples fall. |
| ComponentMetrics | Backplane Utilization (pctile90) | Percentage of backplane usage.<br>Percentile (90): The value below which 90% of all the samples fall. |
| ComponentMetrics | Backplane Utilization (pctile95) | Percentage of backplane usage.<br>Percentile (95): The value below which 95% of all the samples fall. |
| ComponentMetrics | Backplane Utilization (pctile99) | Percentage of backplane usage.<br>Percentile (99): The value below which 99% of all the samples fall. |
| ComponentMetrics | Backplane Utilization - Baseline Average (avg) | Percentage of backplane usage.<br>Baseline average: The normal, average value for this metric. |
| ComponentMetrics | Backplane Utilization - Baseline Deviation (avg) | Percentage of backplane usage.<br>Baseline Deviation: The size of one statistical deviation from the normal, average value. An indication of how widely spread the sampled values are. |
| ComponentMetrics | Backplane Utilization - Baseline Exception Count (sum) | Percentage of backplane usage.<br>Baseline Exception Count: The number of samples which were in an exception state due to baseline breaches. |
| ComponentMetrics | Backplane Utilization - Baseline Exception Rate (avg) | Percentage of backplane usage.<br>Baseline Exception Rate: The number of samples which were in an exception state for baseline breaches, expressed as a percentage of the total number of samples. An indication of how frequently the value goes beyond the normal range. |
| ComponentMetrics | Backplane Utilization - Days To Threshold (min) | Percentage of backplane usage.<br>Baseline Days To Threshold: The number of days before the normal, average value reaches the threshold. |
| ComponentMetrics | Backplane Utilization - Forecast Baseline (12 week) (avg) | Percentage of backplane usage.<br>Forecast Baseline (12): The predicted baseline average value 12 weeks from now. |
| ComponentMetrics | Backplane | Percentage of backplane usage. |

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|---|---|---|
| | Utilization - Forecast Baseline (4 week) (avg) | Forecast Baseline (4): The predicted baseline average value 4 weeks from now. |
| ComponentMetrics | Backplane Utilization - Forecast Baseline (8 week) (avg) | Percentage of backplane usage.<br>Forecast Baseline (8): The predicted baseline average value 8 weeks from now. |
| ComponentMetrics | Backplane Utilization - Forecast Lower Normal (12 week) (min) | Percentage of backplane usage.<br>Forecast Lower Normal (12): The predicted lower normal value 12 weeks from now. |
| ComponentMetrics | Backplane Utilization - Forecast Lower Normal (4 week) (min) | Percentage of backplane usage.<br>Forecast Lower Normal (4): The predicted lower normal value 4 weeks from now. |
| ComponentMetrics | Backplane Utilization - Forecast Lower Normal (8 week) (min) | Percentage of backplane usage.<br>Forecast Lower Normal (8): The predicted lower normal value 8 weeks from now. |
| ComponentMetrics | Backplane Utilization - Forecast Upper Normal (12 week) (max) | Percentage of backplane usage.<br>Forecast Upper Normal (12): The predicted upper normal value 12 weeks from now. |
| ComponentMetrics | Backplane Utilization - Forecast Upper Normal (4 week) (max) | Percentage of backplane usage.<br>Forecast Upper Normal (4): The predicted upper normal value 4 weeks from now. |
| ComponentMetrics | Backplane Utilization - Forecast Upper Normal (8 week) (max) | Percentage of backplane usage.<br>Forecast Upper Normal (8): The predicted upper normal value 8 weeks from now. |
| ComponentMetrics | Backplane Utilization - Lower Normal (min) | Percentage of backplane usage.<br>Baseline Lower Normal: The lower normal for this metric based upon historical data. An indication of the lowest typical value. |

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|---|---|---|
| ComponentMetrics | Backplane Utilization - Lower Threshold (min) | Percentage of backplane usage.<br>Lower Threshold: The value below which threshold exceptions will be raised. Configurable within NNMi. |
| ComponentMetrics | Backplane Utilization - Slope (avg) | Percentage of backplane usage.<br>Baseline Slope: The slope (delta_x / delta_y) of the baseline values. An indication of how rapidly the value is changing. |
| ComponentMetrics | Backplane Utilization - Threshold Exception Count (sum) | Percentage of backplane usage.<br>Threshold Exception Count: The number of samples which were in an exception state due to threshold breaches. |
| ComponentMetrics | Backplane Utilization - Threshold Exception Rate (avg) | Percentage of backplane usage.<br>Threshold Exception Rate: The number of samples which were in an exception state for threshold breaches, expressed as a percentage of the total number of samples. An indication of how frequently the value goes beyond threshold ranges. |
| ComponentMetrics | Backplane Utilization - Upper Normal (max) | Percentage of backplane usage.<br>Baseline Upper Normal: The upper normal for this metric based upon historical data. An indication of the highest typical value. |
| ComponentMetrics | Backplane Utilization - Upper Threshold (max) | Percentage of backplane usage.<br>Upper Threshold: The value above which threshold exceptions will be raised. Configurable within NNMi. |
| ComponentMetrics | Baseline Exception Rate (avg) | Sample Baseline Exception Rate based on any baselined measure.<br>Baseline Exception Rate: The number of samples which were in an exception state for baseline breaches, expressed as a percentage of the total number of samples. An indication of how frequently the value goes beyond the normal range. |
| ComponentMetrics | Buffer Failure Rate (avg) | A counter measures the number of times buffer creation fails due to insufficient memory. An exception occurs when the number of failures crosses a threshold.<br><br>The buffer failure rate is a percentage that shows how the number of buffer creation failures compares to the total number of buffer creations.<br>Average: The total of all the values divided by the number of samples. |
| ComponentMetrics | Buffer Failure Rate (max) | A counter measures the number of times buffer creation fails due to insufficient memory. An exception occurs when the number of failures crosses a threshold. |

| | | |
|---|---|---|
| | | The buffer failure rate is a percentage that shows how the number of buffer creation failures compares to the total number of buffer creations.<br>Maximum: The maximum, or largest, value. |
| ComponentMetrics | Buffer Failure Rate (min) | A counter measures the number of times buffer creation fails due to insufficient memory. An exception occurs when the number of failures crosses a threshold.<br><br>The buffer failure rate is a percentage that shows how the number of buffer creation failures compares to the total number of buffer creations.<br>Minimum: The minimum, or smallest, value. |
| ComponentMetrics | Buffer Failure Rate (pctile05) | A counter measures the number of times buffer creation fails due to insufficient memory. An exception occurs when the number of failures crosses a threshold.<br><br>The buffer failure rate is a percentage that shows how the number of buffer creation failures compares to the total number of buffer creations.<br>Percentile (05): The value below which 5% of all the samples fall. |
| ComponentMetrics | Buffer Failure Rate (pctile90) | A counter measures the number of times buffer creation fails due to insufficient memory. An exception occurs when the number of failures crosses a threshold.<br><br>The buffer failure rate is a percentage that shows how the number of buffer creation failures compares to the total number of buffer creations.<br>Percentile (90): The value below which 90% of all the samples fall. |
| ComponentMetrics | Buffer Failure Rate (pctile95) | A counter measures the number of times buffer creation fails due to insufficient memory. An exception occurs when the number of failures crosses a threshold.<br><br>The buffer failure rate is a percentage that shows how the number of buffer creation failures compares to the total number of buffer creations.<br>Percentile (95): The value below which 95% of all the samples fall. |
| ComponentMetrics | Buffer Failure Rate (pctile99) | A counter measures the number of times buffer creation fails due to insufficient memory. An exception occurs when the number of failures crosses a threshold.<br><br>The buffer failure rate is a percentage that shows how the number of buffer creation failures compares to the total number of buffer creations.<br>Percentile (99): The value below which 99% of all the samples fall. |

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| ComponentMetrics | Buffer Failure Rate - Lower Threshold (min) | A counter measures the number of times buffer creation fails due to insufficient memory. An exception occurs when the number of failures crosses a threshold.<br><br>The buffer failure rate is a percentage that shows how the number of buffer creation failures compares to the total number of buffer creations.<br>Lower Threshold: The value below which threshold exceptions will be raised. Configurable within NNMi. |
| ComponentMetrics | Buffer Failure Rate - Threshold Exception Count (sum) | A counter measures the number of times buffer creation fails due to insufficient memory. An exception occurs when the number of failures crosses a threshold.<br><br>The buffer failure rate is a percentage that shows how the number of buffer creation failures compares to the total number of buffer creations.<br>Threshold Exception Count: The number of samples which were in an exception state due to threshold breaches. |
| ComponentMetrics | Buffer Failure Rate - Threshold Exception Rate (avg) | A counter measures the number of times buffer creation fails due to insufficient memory. An exception occurs when the number of failures crosses a threshold.<br><br>The buffer failure rate is a percentage that shows how the number of buffer creation failures compares to the total number of buffer creations.<br>Threshold Exception Rate: The number of samples which were in an exception state for threshold breaches, expressed as a percentage of the total number of samples. An indication of how frequently the value goes beyond threshold ranges. |
| ComponentMetrics | Buffer Failure Rate - Upper Threshold (max) | A counter measures the number of times buffer creation fails due to insufficient memory. An exception occurs when the number of failures crosses a threshold.<br><br>The buffer failure rate is a percentage that shows how the number of buffer creation failures compares to the total number of buffer creations.<br>Upper Threshold: The value above which threshold exceptions will be raised. Configurable within NNMi. |
| ComponentMetrics | Buffer Failures (sum) | Total number of buffer failures caused by insufficient memory when trying to create additional buffers.<br>Summation: The total of all the values. |
| ComponentMetrics | Buffer Hits (sum) | Total number of successfully allocated buffers.<br>Summation: The total of all the values. |
| ComponentMetrics | Buffer Miss Rate (avg) | A counter measures the number of buffers available in the buffer pool. An exception is recorded when the number of buffers drops |

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| | | below a minimum number.<br><br>The miss rate percentage shows how the number of below-minimum samples compares to total samples.<br>Average: The total of all the values divided by the number of samples. |
| ComponentMetrics | Buffer Miss Rate (max) | A counter measures the number of buffers available in the buffer pool. An exception is recorded when the number of buffers drops below a minimum number.<br><br>The miss rate percentage shows how the number of below-minimum samples compares to total samples.<br>Maximum: The maximum, or largest, value. |
| ComponentMetrics | Buffer Miss Rate (min) | A counter measures the number of buffers available in the buffer pool. An exception is recorded when the number of buffers drops below a minimum number.<br><br>The miss rate percentage shows how the number of below-minimum samples compares to total samples.<br>Minimum: The minimum, or smallest, value. |
| ComponentMetrics | Buffer Miss Rate (pctile05) | A counter measures the number of buffers available in the buffer pool. An exception is recorded when the number of buffers drops below a minimum number.<br><br>The miss rate percentage shows how the number of below-minimum samples compares to total samples.<br>Percentile (05): The value below which 5% of all the samples fall. |
| ComponentMetrics | Buffer Miss Rate (pctile90) | A counter measures the number of buffers available in the buffer pool. An exception is recorded when the number of buffers drops below a minimum number.<br><br>The miss rate percentage shows how the number of below-minimum samples compares to total samples.<br>Percentile (90): The value below which 90% of all the samples fall. |
| ComponentMetrics | Buffer Miss Rate (pctile95) | A counter measures the number of buffers available in the buffer pool. An exception is recorded when the number of buffers drops below a minimum number.<br><br>The miss rate percentage shows how the number of below-minimum samples compares to total samples.<br>Percentile (95): The value below which 95% of all the samples fall. |
| ComponentMetrics | Buffer Miss Rate (pctile99) | A counter measures the number of buffers available in the buffer pool. An exception is recorded when the number of buffers drops below a minimum number. |

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| | | The miss rate percentage shows how the number of below-minimum samples compares to total samples.<br>Percentile (99): The value below which 99% of all the samples fall. |
| ComponentMetrics | Buffer Miss Rate - Lower Threshold (min) | A counter measures the number of buffers available in the buffer pool. An exception is recorded when the number of buffers drops below a minimum number.<br><br>The miss rate percentage shows how the number of below-minimum samples compares to total samples.<br>Lower Threshold: The value below which threshold exceptions will be raised. Configurable within NNMi. |
| ComponentMetrics | Buffer Miss Rate - Threshold Exception Count (sum) | A counter measures the number of buffers available in the buffer pool. An exception is recorded when the number of buffers drops below a minimum number.<br><br>The miss rate percentage shows how the number of below-minimum samples compares to total samples.<br>Threshold Exception Count: The number of samples which were in an exception state due to threshold breaches. |
| ComponentMetrics | Buffer Miss Rate - Threshold Exception Rate (avg) | A counter measures the number of buffers available in the buffer pool. An exception is recorded when the number of buffers drops below a minimum number.<br><br>The miss rate percentage shows how the number of below-minimum samples compares to total samples.<br>Threshold Exception Rate: The number of samples which were in an exception state for threshold breaches, expressed as a percentage of the total number of samples. An indication of how frequently the value goes beyond threshold ranges. |
| ComponentMetrics | Buffer Miss Rate - Upper Threshold (max) | A counter measures the number of buffers available in the buffer pool. An exception is recorded when the number of buffers drops below a minimum number.<br><br>The miss rate percentage shows how the number of below-minimum samples compares to total samples.<br>Upper Threshold: The value above which threshold exceptions will be raised. Configurable within NNMi. |
| ComponentMetrics | Buffer Misses (sum) | Total number of buffer misses.<br>Summation: The total of all the values. |
| ComponentMetrics | Buffer NoMemory Rate (avg) | The buffer NoMemory rate is a percentage that shows how the number of buffers with no available memory compares to the total number of buffer creations.<br>Average: The total of all the values divided by the number of samples. |
| ComponentMetrics | Buffer | The buffer NoMemory rate is a percentage that shows how the |

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| | NoMemory Rate (max) | number of buffers with no available memory compares to the total number of buffer creations.<br>Maximum: The maximum, or largest, value. |
| ComponentMetrics | Buffer NoMemory Rate (min) | The buffer NoMemory rate is a percentage that shows how the number of buffers with no available memory compares to the total number of buffer creations.<br>Minimum: The minimum, or smallest, value. |
| ComponentMetrics | Buffer NoMemory Rate (pctile05) | The buffer NoMemory rate is a percentage that shows how the number of buffers with no available memory compares to the total number of buffer creations.<br>Percentile (05): The value below which 5% of all the samples fall. |
| ComponentMetrics | Buffer NoMemory Rate (pctile90) | The buffer NoMemory rate is a percentage that shows how the number of buffers with no available memory compares to the total number of buffer creations.<br>Percentile (90): The value below which 90% of all the samples fall. |
| ComponentMetrics | Buffer NoMemory Rate (pctile95) | The buffer NoMemory rate is a percentage that shows how the number of buffers with no available memory compares to the total number of buffer creations.<br>Percentile (95): The value below which 95% of all the samples fall. |
| ComponentMetrics | Buffer NoMemory Rate (pctile99) | The buffer NoMemory rate is a percentage that shows how the number of buffers with no available memory compares to the total number of buffer creations.<br>Percentile (99): The value below which 99% of all the samples fall. |
| ComponentMetrics | Buffer NoMemory Rate - Lower Threshold (min) | The buffer NoMemory rate is a percentage that shows how the number of buffers with no available memory compares to the total number of buffer creations.<br>Lower Threshold: The value below which threshold exceptions will be raised. Configurable within NNMi. |
| ComponentMetrics | Buffer NoMemory Rate - Threshold Exception Count (sum) | The buffer NoMemory rate is a percentage that shows how the number of buffers with no available memory compares to the total number of buffer creations.<br>Threshold Exception Count: The number of samples which were in an exception state due to threshold breaches. |
| ComponentMetrics | Buffer NoMemory Rate - Threshold Exception Rate (avg) | The buffer NoMemory rate is a percentage that shows how the number of buffers with no available memory compares to the total number of buffer creations.<br>Threshold Exception Rate: The number of samples which were in an exception state for threshold breaches, expressed as a percentage of the total number of samples. An indication of how frequently the value goes beyond threshold ranges. |
| ComponentMetrics | Buffer NoMemory | The buffer NoMemory rate is a percentage that shows how the number of buffers with no available memory compares to the total |

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| | Rate - Upper Threshold (max) | number of buffer creations.<br>Upper Threshold: The value above which threshold exceptions will be raised. Configurable within NNMi. |
| ComponentMetrics | Buffer Used (sum) | Total number of buffers used.<br>Summation: The total of all the values. |
| ComponentMetrics | Buffer Utilization (avg) | Percentage of buffer in use.<br>Average: The total of all the values divided by the number of samples. |
| ComponentMetrics | Buffer Utilization (max) | Percentage of buffer in use.<br>Maximum: The maximum, or largest, value. |
| ComponentMetrics | Buffer Utilization (min) | Percentage of buffer in use.<br>Minimum: The minimum, or smallest, value. |
| ComponentMetrics | Buffer Utilization (pctile05) | Percentage of buffer in use.<br>Percentile (05): The value below which 5% of all the samples fall. |
| ComponentMetrics | Buffer Utilization (pctile90) | Percentage of buffer in use.<br>Percentile (90): The value below which 90% of all the samples fall. |
| ComponentMetrics | Buffer Utilization (pctile95) | Percentage of buffer in use.<br>Percentile (95): The value below which 95% of all the samples fall. |
| ComponentMetrics | Buffer Utilization (pctile99) | Percentage of buffer in use.<br>Percentile (99): The value below which 99% of all the samples fall. |
| ComponentMetrics | Buffer Utilization - Baseline Average (avg) | Percentage of buffer in use.<br>Baseline average: The normal, average value for this metric. |
| ComponentMetrics | Buffer Utilization - Baseline Deviation (avg) | Percentage of buffer in use.<br>Baseline Deviation: The size of one statistical deviation from the normal, average value. An indication of how widely spread the sampled values are. |
| ComponentMetrics | Buffer Utilization - Baseline Exception Count (sum) | Percentage of buffer in use.<br>Baseline Exception Count: The number of samples which were in an exception state due to baseline breaches. |
| ComponentMetrics | Buffer Utilization - | Percentage of buffer in use.<br>Baseline Exception Rate: The number of samples which were in an |

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| | Baseline Exception Rate (avg) | exception state for baseline breaches, expressed as a percentage of the total number of samples. An indication of how frequently the value goes beyond the normal range. |
| ComponentMetrics | Buffer Utilization - Days To Threshold (min) | Percentage of buffer in use.<br>Baseline Days To Threshold: The number of days before the normal, average value reaches the threshold. |
| ComponentMetrics | Buffer Utilization - Forecast Baseline (12 week) (avg) | Percentage of buffer in use.<br>Forecast Baseline (12): The predicted baseline average value 12 weeks from now. |
| ComponentMetrics | Buffer Utilization - Forecast Baseline (4 week) (avg) | Percentage of buffer in use.<br>Forecast Baseline (4): The predicted baseline average value 4 weeks from now. |
| ComponentMetrics | Buffer Utilization - Forecast Baseline (8 week) (avg) | Percentage of buffer in use.<br>Forecast Baseline (8): The predicted baseline average value 8 weeks from now. |
| ComponentMetrics | Buffer Utilization - Forecast Lower Normal (12 week) (min) | Percentage of buffer in use.<br>Forecast Lower Normal (12): The predicted lower normal value 12 weeks from now. |
| ComponentMetrics | Buffer Utilization - Forecast Lower Normal (4 week) (min) | Percentage of buffer in use.<br>Forecast Lower Normal (4): The predicted lower normal value 4 weeks from now. |
| ComponentMetrics | Buffer Utilization - Forecast Lower Normal (8 week) (min) | Percentage of buffer in use.<br>Forecast Lower Normal (8): The predicted lower normal value 8 weeks from now. |
| ComponentMetrics | Buffer Utilization - Forecast Upper Normal (12 week) (max) | Percentage of buffer in use.<br>Forecast Upper Normal (12): The predicted upper normal value 12 weeks from now. |

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| ComponentMetrics | Buffer Utilization - Forecast Upper Normal (4 week) (max) | Percentage of buffer in use.<br>Forecast Upper Normal (4): The predicted upper normal value 4 weeks from now. |
| ComponentMetrics | Buffer Utilization - Forecast Upper Normal (8 week) (max) | Percentage of buffer in use.<br>Forecast Upper Normal (8): The predicted upper normal value 8 weeks from now. |
| ComponentMetrics | Buffer Utilization - Lower Normal (min) | Percentage of buffer in use.<br>Baseline Lower Normal: The lower normal for this metric based upon historical data. An indication of the lowest typical value. |
| ComponentMetrics | Buffer Utilization - Lower Threshold (min) | Percentage of buffer in use.<br>Lower Threshold: The value below which threshold exceptions will be raised. Configurable within NNMi. |
| ComponentMetrics | Buffer Utilization - Slope (avg) | Percentage of buffer in use.<br>Baseline Slope: The slope (delta_x / delta_y) of the baseline values. An indication of how rapidly the value is changing. |
| ComponentMetrics | Buffer Utilization - Threshold Exception Count (sum) | Percentage of buffer in use.<br>Threshold Exception Count: The number of samples which were in an exception state due to threshold breaches. |
| ComponentMetrics | Buffer Utilization - Threshold Exception Rate (avg) | Percentage of buffer in use.<br>Threshold Exception Rate: The number of samples which were in an exception state for threshold breaches, expressed as a percentage of the total number of samples. An indication of how frequently the value goes beyond threshold ranges. |
| ComponentMetrics | Buffer Utilization - Upper Normal (max) | Percentage of buffer in use.<br>Baseline Upper Normal: The upper normal for this metric based upon historical data. An indication of the highest typical value. |
| ComponentMetrics | Buffer Utilization - Upper Threshold (max) | Percentage of buffer in use.<br>Upper Threshold: The value above which threshold exceptions will be raised. Configurable within NNMi. |
| ComponentMetrics | CPU 1min Utilization | Average CPU utilization over a 1-minute period, providing a snapshot of the previous minute at the time of polling. |

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| | (avg) | Available from Cisco and Nortel Passport devices among others. Average: The total of all the values divided by the number of samples. |
| ComponentMetrics | CPU 1min Utilization (max) | Average CPU utilization over a 1-minute period, providing a snapshot of the previous minute at the time of polling.<br><br>Available from Cisco and Nortel Passport devices among others. Maximum: The maximum, or largest, value. |
| ComponentMetrics | CPU 1min Utilization (min) | Average CPU utilization over a 1-minute period, providing a snapshot of the previous minute at the time of polling.<br><br>Available from Cisco and Nortel Passport devices among others. Minimum: The minimum, or smallest, value. |
| ComponentMetrics | CPU 1min Utilization (pctile05) | Average CPU utilization over a 1-minute period, providing a snapshot of the previous minute at the time of polling.<br><br>Available from Cisco and Nortel Passport devices among others. Percentile (05): The value below which 5% of all the samples fall. |
| ComponentMetrics | CPU 1min Utilization (pctile90) | Average CPU utilization over a 1-minute period, providing a snapshot of the previous minute at the time of polling.<br><br>Available from Cisco and Nortel Passport devices among others. Percentile (90): The value below which 90% of all the samples fall. |
| ComponentMetrics | CPU 1min Utilization (pctile95) | Average CPU utilization over a 1-minute period, providing a snapshot of the previous minute at the time of polling.<br><br>Available from Cisco and Nortel Passport devices among others. Percentile (95): The value below which 95% of all the samples fall. |
| ComponentMetrics | CPU 1min Utilization (pctile99) | Average CPU utilization over a 1-minute period, providing a snapshot of the previous minute at the time of polling.<br><br>Available from Cisco and Nortel Passport devices among others. Percentile (99): The value below which 99% of all the samples fall. |
| ComponentMetrics | CPU 1min Utilization - Baseline Average (avg) | Average CPU utilization over a 1-minute period, providing a snapshot of the previous minute at the time of polling.<br><br>Available from Cisco and Nortel Passport devices among others. Baseline average: The normal, average value for this metric. |
| ComponentMetrics | CPU 1min Utilization - Baseline Deviation (avg) | Average CPU utilization over a 1-minute period, providing a snapshot of the previous minute at the time of polling.<br><br>Available from Cisco and Nortel Passport devices among others. Baseline Deviation: The size of one statistical deviation from the |

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| | | normal, average value. An indication of how widely spread the sampled values are. |
| ComponentMetrics | CPU 1min Utilization - Baseline Exception Count (sum) | Average CPU utilization over a 1-minute period, providing a snapshot of the previous minute at the time of polling.<br><br>Available from Cisco and Nortel Passport devices among others. Baseline Exception Count: The number of samples which were in an exception state due to baseline breaches. |
| ComponentMetrics | CPU 1min Utilization - Baseline Exception Rate (avg) | Average CPU utilization over a 1-minute period, providing a snapshot of the previous minute at the time of polling.<br><br>Available from Cisco and Nortel Passport devices among others. Baseline Exception Rate: The number of samples which were in an exception state for baseline breaches, expressed as a percentage of the total number of samples. An indication of how frequently the value goes beyond the normal range. |
| ComponentMetrics | CPU 1min Utilization - Days To Threshold (min) | Average CPU utilization over a 1-minute period, providing a snapshot of the previous minute at the time of polling.<br><br>Available from Cisco and Nortel Passport devices among others. Baseline Days To Threshold: The number of days before the normal, average value reaches the threshold. |
| ComponentMetrics | CPU 1min Utilization - Forecast Baseline (12 week) (avg) | Average CPU utilization over a 1-minute period, providing a snapshot of the previous minute at the time of polling.<br><br>Available from Cisco and Nortel Passport devices among others. Forecast Baseline (12): The predicted baseline average value 12 weeks from now. |
| ComponentMetrics | CPU 1min Utilization - Forecast Baseline (4 week) (avg) | Average CPU utilization over a 1-minute period, providing a snapshot of the previous minute at the time of polling.<br><br>Available from Cisco and Nortel Passport devices among others. Forecast Baseline (4): The predicted baseline average value 4 weeks from now. |
| ComponentMetrics | CPU 1min Utilization - Forecast Baseline (8 week) (avg) | Average CPU utilization over a 1-minute period, providing a snapshot of the previous minute at the time of polling.<br><br>Available from Cisco and Nortel Passport devices among others. Forecast Baseline (8): The predicted baseline average value 8 weeks from now. |
| ComponentMetrics | CPU 1min Utilization - Forecast Lower Normal (12 week) (min) | Average CPU utilization over a 1-minute period, providing a snapshot of the previous minute at the time of polling.<br><br>Available from Cisco and Nortel Passport devices among others. Forecast Lower Normal (12): The predicted lower normal value 12 |

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| | | weeks from now. |
| ComponentMetrics | CPU 1min Utilization - Forecast Lower Normal (4 week) (min) | Average CPU utilization over a 1-minute period, providing a snapshot of the previous minute at the time of polling.<br><br>Available from Cisco and Nortel Passport devices among others. Forecast Lower Normal (4): The predicted lower normal value 4 weeks from now. |
| ComponentMetrics | CPU 1min Utilization - Forecast Lower Normal (8 week) (min) | Average CPU utilization over a 1-minute period, providing a snapshot of the previous minute at the time of polling.<br><br>Available from Cisco and Nortel Passport devices among others. Forecast Lower Normal (8): The predicted lower normal value 8 weeks from now. |
| ComponentMetrics | CPU 1min Utilization - Forecast Upper Normal (12 week) (max) | Average CPU utilization over a 1-minute period, providing a snapshot of the previous minute at the time of polling.<br><br>Available from Cisco and Nortel Passport devices among others. Forecast Upper Normal (12): The predicted upper normal value 12 weeks from now. |
| ComponentMetrics | CPU 1min Utilization - Forecast Upper Normal (4 week) (max) | Average CPU utilization over a 1-minute period, providing a snapshot of the previous minute at the time of polling.<br><br>Available from Cisco and Nortel Passport devices among others. Forecast Upper Normal (4): The predicted upper normal value 4 weeks from now. |
| ComponentMetrics | CPU 1min Utilization - Forecast Upper Normal (8 week) (max) | Average CPU utilization over a 1-minute period, providing a snapshot of the previous minute at the time of polling.<br><br>Available from Cisco and Nortel Passport devices among others. Forecast Upper Normal (8): The predicted upper normal value 8 weeks from now. |
| ComponentMetrics | CPU 1min Utilization - Lower Normal (min) | Average CPU utilization over a 1-minute period, providing a snapshot of the previous minute at the time of polling.<br><br>Available from Cisco and Nortel Passport devices among others. Baseline Lower Normal: The lower normal for this metric based upon historical data. An indication of the lowest typical value. |
| ComponentMetrics | CPU 1min Utilization - Lower Threshold (min) | Average CPU utilization over a 1-minute period, providing a snapshot of the previous minute at the time of polling.<br><br>Available from Cisco and Nortel Passport devices among others. Lower Threshold: The value below which threshold exceptions will be raised. Configurable within NNMi. |
| ComponentMetrics | CPU 1min | Average CPU utilization over a 1-minute period, providing a |

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| | Utilization - Slope (avg) | snapshot of the previous minute at the time of polling.<br><br>Available from Cisco and Nortel Passport devices among others.<br>Baseline Slope: The slope (delta_x / delta_y) of the baseline values. An indication of how rapidly the value is changing. |
| ComponentMetrics | CPU 1min Utilization - Threshold Exception Count (sum) | Average CPU utilization over a 1-minute period, providing a snapshot of the previous minute at the time of polling.<br><br>Available from Cisco and Nortel Passport devices among others.<br>Threshold Exception Count: The number of samples which were in an exception state due to threshold breaches. |
| ComponentMetrics | CPU 1min Utilization - Threshold Exception Rate (avg) | Average CPU utilization over a 1-minute period, providing a snapshot of the previous minute at the time of polling.<br><br>Available from Cisco and Nortel Passport devices among others.<br>Threshold Exception Rate: The number of samples which were in an exception state for threshold breaches, expressed as a percentage of the total number of samples. An indication of how frequently the value goes beyond threshold ranges. |
| ComponentMetrics | CPU 1min Utilization - Upper Normal (max) | Average CPU utilization over a 1-minute period, providing a snapshot of the previous minute at the time of polling.<br><br>Available from Cisco and Nortel Passport devices among others.<br>Baseline Upper Normal: The upper normal for this metric based upon historical data. An indication of the highest typical value. |
| ComponentMetrics | CPU 1min Utilization - Upper Threshold (max) | Average CPU utilization over a 1-minute period, providing a snapshot of the previous minute at the time of polling.<br><br>Available from Cisco and Nortel Passport devices among others.<br>Upper Threshold: The value above which threshold exceptions will be raised. Configurable within NNMi. |
| ComponentMetrics | CPU 5min Utilization (avg) | Average CPU utilization over a 5-minute period, providing a snapshot of the previous 5 minutes at the time of polling.<br><br>Available from Cisco devices only.<br>Average: The total of all the values divided by the number of samples. |
| ComponentMetrics | CPU 5min Utilization (max) | Average CPU utilization over a 5-minute period, providing a snapshot of the previous 5 minutes at the time of polling.<br><br>Available from Cisco devices only.<br>Maximum: The maximum, or largest, value. |
| ComponentMetrics | CPU 5min Utilization (min) | Average CPU utilization over a 5-minute period, providing a snapshot of the previous 5 minutes at the time of polling. |

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| | | Available from Cisco devices only.<br>Minimum: The minimum, or smallest, value. |
| ComponentMetrics | CPU 5min Utilization (pctile05) | Average CPU utilization over a 5-minute period, providing a snapshot of the previous 5 minutes at the time of polling.<br><br>Available from Cisco devices only.<br>Percentile (05): The value below which 5% of all the samples fall. |
| ComponentMetrics | CPU 5min Utilization (pctile90) | Average CPU utilization over a 5-minute period, providing a snapshot of the previous 5 minutes at the time of polling.<br><br>Available from Cisco devices only.<br>Percentile (90): The value below which 90% of all the samples fall. |
| ComponentMetrics | CPU 5min Utilization (pctile95) | Average CPU utilization over a 5-minute period, providing a snapshot of the previous 5 minutes at the time of polling.<br><br>Available from Cisco devices only.<br>Percentile (95): The value below which 95% of all the samples fall. |
| ComponentMetrics | CPU 5min Utilization (pctile99) | Average CPU utilization over a 5-minute period, providing a snapshot of the previous 5 minutes at the time of polling.<br><br>Available from Cisco devices only.<br>Percentile (99): The value below which 99% of all the samples fall. |
| ComponentMetrics | CPU 5min Utilization - Baseline Average (avg) | Average CPU utilization over a 5-minute period, providing a snapshot of the previous 5 minutes at the time of polling.<br><br>Available from Cisco devices only.<br>Baseline average: The normal, average value for this metric. |
| ComponentMetrics | CPU 5min Utilization - Baseline Deviation (avg) | Average CPU utilization over a 5-minute period, providing a snapshot of the previous 5 minutes at the time of polling.<br><br>Available from Cisco devices only.<br>Baseline Deviation: The size of one statistical deviation from the normal, average value. An indication of how widely spread the sampled values are. |
| ComponentMetrics | CPU 5min Utilization - Baseline Exception Count (sum) | Average CPU utilization over a 5-minute period, providing a snapshot of the previous 5 minutes at the time of polling.<br><br>Available from Cisco devices only.<br>Baseline Exception Count: The number of samples which were in an exception state due to baseline breaches. |
| ComponentMetrics | CPU 5min Utilization - Baseline Exception | Average CPU utilization over a 5-minute period, providing a snapshot of the previous 5 minutes at the time of polling.<br><br>Available from Cisco devices only. |

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| | Rate (avg) | Baseline Exception Rate: The number of samples which were in an exception state for baseline breaches, expressed as a percentage of the total number of samples. An indication of how frequently the value goes beyond the normal range. |
| ComponentMetrics | CPU 5min Utilization - Days To Threshold (min) | Average CPU utilization over a 5-minute period, providing a snapshot of the previous 5 minutes at the time of polling.<br><br>Available from Cisco devices only.<br>Baseline Days To Threshold: The number of days before the normal, average value reaches the threshold. |
| ComponentMetrics | CPU 5min Utilization - Forecast Baseline (12 week) (avg) | Average CPU utilization over a 5-minute period, providing a snapshot of the previous 5 minutes at the time of polling.<br><br>Available from Cisco devices only.<br>Forecast Baseline (12): The predicted baseline average value 12 weeks from now. |
| ComponentMetrics | CPU 5min Utilization - Forecast Baseline (4 week) (avg) | Average CPU utilization over a 5-minute period, providing a snapshot of the previous 5 minutes at the time of polling.<br><br>Available from Cisco devices only.<br>Forecast Baseline (4): The predicted baseline average value 4 weeks from now. |
| ComponentMetrics | CPU 5min Utilization - Forecast Baseline (8 week) (avg) | Average CPU utilization over a 5-minute period, providing a snapshot of the previous 5 minutes at the time of polling.<br><br>Available from Cisco devices only.<br>Forecast Baseline (8): The predicted baseline average value 8 weeks from now. |
| ComponentMetrics | CPU 5min Utilization - Forecast Lower Normal (12 week) (min) | Average CPU utilization over a 5-minute period, providing a snapshot of the previous 5 minutes at the time of polling.<br><br>Available from Cisco devices only.<br>Forecast Lower Normal (12): The predicted lower normal value 12 weeks from now. |
| ComponentMetrics | CPU 5min Utilization - Forecast Lower Normal (4 week) (min) | Average CPU utilization over a 5-minute period, providing a snapshot of the previous 5 minutes at the time of polling.<br><br>Available from Cisco devices only.<br>Forecast Lower Normal (4): The predicted lower normal value 4 weeks from now. |
| ComponentMetrics | CPU 5min Utilization - Forecast Lower Normal (8 week) (min) | Average CPU utilization over a 5-minute period, providing a snapshot of the previous 5 minutes at the time of polling.<br><br>Available from Cisco devices only.<br>Forecast Lower Normal (8): The predicted lower normal value 8 |

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| | | weeks from now. |
| ComponentMetrics | CPU 5min Utilization - Forecast Upper Normal (12 week) (max) | Average CPU utilization over a 5-minute period, providing a snapshot of the previous 5 minutes at the time of polling.<br><br>Available from Cisco devices only.<br>Forecast Upper Normal (12): The predicted upper normal value 12 weeks from now. |
| ComponentMetrics | CPU 5min Utilization - Forecast Upper Normal (4 week) (max) | Average CPU utilization over a 5-minute period, providing a snapshot of the previous 5 minutes at the time of polling.<br><br>Available from Cisco devices only.<br>Forecast Upper Normal (4): The predicted upper normal value 4 weeks from now. |
| ComponentMetrics | CPU 5min Utilization - Forecast Upper Normal (8 week) (max) | Average CPU utilization over a 5-minute period, providing a snapshot of the previous 5 minutes at the time of polling.<br><br>Available from Cisco devices only.<br>Forecast Upper Normal (8): The predicted upper normal value 8 weeks from now. |
| ComponentMetrics | CPU 5min Utilization - Lower Normal (min) | Average CPU utilization over a 5-minute period, providing a snapshot of the previous 5 minutes at the time of polling.<br><br>Available from Cisco devices only.<br>Baseline Lower Normal: The lower normal for this metric based upon historical data. An indication of the lowest typical value. |
| ComponentMetrics | CPU 5min Utilization - Lower Threshold (min) | Average CPU utilization over a 5-minute period, providing a snapshot of the previous 5 minutes at the time of polling.<br><br>Available from Cisco devices only.<br>Lower Threshold: The value below which threshold exceptions will be raised. Configurable within NNMi. |
| ComponentMetrics | CPU 5min Utilization - Slope (avg) | Average CPU utilization over a 5-minute period, providing a snapshot of the previous 5 minutes at the time of polling.<br><br>Available from Cisco devices only.<br>Baseline Slope: The slope (delta_x / delta_y) of the baseline values. An indication of how rapidly the value is changing. |
| ComponentMetrics | CPU 5min Utilization - Threshold Exception Count (sum) | Average CPU utilization over a 5-minute period, providing a snapshot of the previous 5 minutes at the time of polling.<br><br>Available from Cisco devices only.<br>Threshold Exception Count: The number of samples which were in an exception state due to threshold breaches. |
| ComponentMetrics | CPU 5min | Average CPU utilization over a 5-minute period, providing a |

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| | Utilization - Threshold Exception Rate (avg) | snapshot of the previous 5 minutes at the time of polling.<br><br>Available from Cisco devices only.<br>Threshold Exception Rate: The number of samples which were in an exception state for threshold breaches, expressed as a percentage of the total number of samples. An indication of how frequently the value goes beyond threshold ranges. |
| ComponentMetrics | CPU 5min Utilization - Upper Normal (max) | Average CPU utilization over a 5-minute period, providing a snapshot of the previous 5 minutes at the time of polling.<br><br>Available from Cisco devices only.<br>Baseline Upper Normal: The upper normal for this metric based upon historical data. An indication of the highest typical value. |
| ComponentMetrics | CPU 5min Utilization - Upper Threshold (max) | Average CPU utilization over a 5-minute period, providing a snapshot of the previous 5 minutes at the time of polling.<br><br>Available from Cisco devices only.<br>Upper Threshold: The value above which threshold exceptions will be raised. Configurable within NNMi. |
| ComponentMetrics | CPU 5sec Utilization (avg) | Average CPU utilization over a 5-second period, providing a snapshot of the past 5-seconds at the time of polling.<br><br>Available from Cisco devices only.<br>Average: The total of all the values divided by the number of samples. |
| ComponentMetrics | CPU 5sec Utilization (max) | Average CPU utilization over a 5-second period, providing a snapshot of the past 5-seconds at the time of polling.<br><br>Available from Cisco devices only.<br>Maximum: The maximum, or largest, value. |
| ComponentMetrics | CPU 5sec Utilization (min) | Average CPU utilization over a 5-second period, providing a snapshot of the past 5-seconds at the time of polling.<br><br>Available from Cisco devices only.<br>Minimum: The minimum, or smallest, value. |
| ComponentMetrics | CPU 5sec Utilization (pctile05) | Average CPU utilization over a 5-second period, providing a snapshot of the past 5-seconds at the time of polling.<br><br>Available from Cisco devices only.<br>Percentile (05): The value below which 5% of all the samples fall. |
| ComponentMetrics | CPU 5sec Utilization (pctile90) | Average CPU utilization over a 5-second period, providing a snapshot of the past 5-seconds at the time of polling.<br><br>Available from Cisco devices only.<br>Percentile (90): The value below which 90% of all the samples fall. |

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| ComponentMetrics | CPU 5sec Utilization (pctile95) | Average CPU utilization over a 5-second period, providing a snapshot of the past 5-seconds at the time of polling.<br><br>Available from Cisco devices only.<br>Percentile (95): The value below which 95% of all the samples fall. |
| ComponentMetrics | CPU 5sec Utilization (pctile99) | Average CPU utilization over a 5-second period, providing a snapshot of the past 5-seconds at the time of polling.<br><br>Available from Cisco devices only.<br>Percentile (99): The value below which 99% of all the samples fall. |
| ComponentMetrics | CPU 5sec Utilization - Baseline Average (avg) | Average CPU utilization over a 5-second period, providing a snapshot of the past 5-seconds at the time of polling.<br><br>Available from Cisco devices only.<br>Baseline average: The normal, average value for this metric. |
| ComponentMetrics | CPU 5sec Utilization - Baseline Deviation (avg) | Average CPU utilization over a 5-second period, providing a snapshot of the past 5-seconds at the time of polling.<br><br>Available from Cisco devices only.<br>Baseline Deviation: The size of one statistical deviation from the normal, average value. An indication of how widely spread the sampled values are. |
| ComponentMetrics | CPU 5sec Utilization - Baseline Exception Count (sum) | Average CPU utilization over a 5-second period, providing a snapshot of the past 5-seconds at the time of polling.<br><br>Available from Cisco devices only.<br>Baseline Exception Count: The number of samples which were in an exception state due to baseline breaches. |
| ComponentMetrics | CPU 5sec Utilization - Baseline Exception Rate (avg) | Average CPU utilization over a 5-second period, providing a snapshot of the past 5-seconds at the time of polling.<br><br>Available from Cisco devices only.<br>Baseline Exception Rate: The number of samples which were in an exception state for baseline breaches, expressed as a percentage of the total number of samples. An indication of how frequently the value goes beyond the normal range. |
| ComponentMetrics | CPU 5sec Utilization - Days To Threshold (min) | Average CPU utilization over a 5-second period, providing a snapshot of the past 5-seconds at the time of polling.<br><br>Available from Cisco devices only.<br>Baseline Days To Threshold: The number of days before the normal, average value reaches the threshold. |
| ComponentMetrics | CPU 5sec Utilization - Forecast | Average CPU utilization over a 5-second period, providing a snapshot of the past 5-seconds at the time of polling. |

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| | Baseline (12 week) (avg) | Available from Cisco devices only.<br>Forecast Baseline (12): The predicted baseline average value 12 weeks from now. |
| ComponentMetrics | CPU 5sec Utilization - Forecast Baseline (4 week) (avg) | Average CPU utilization over a 5-second period, providing a snapshot of the past 5-seconds at the time of polling.<br><br>Available from Cisco devices only.<br>Forecast Baseline (4): The predicted baseline average value 4 weeks from now. |
| ComponentMetrics | CPU 5sec Utilization - Forecast Baseline (8 week) (avg) | Average CPU utilization over a 5-second period, providing a snapshot of the past 5-seconds at the time of polling.<br><br>Available from Cisco devices only.<br>Forecast Baseline (8): The predicted baseline average value 8 weeks from now. |
| ComponentMetrics | CPU 5sec Utilization - Forecast Lower Normal (12 week) (min) | Average CPU utilization over a 5-second period, providing a snapshot of the past 5-seconds at the time of polling.<br><br>Available from Cisco devices only.<br>Forecast Lower Normal (12): The predicted lower normal value 12 weeks from now. |
| ComponentMetrics | CPU 5sec Utilization - Forecast Lower Normal (4 week) (min) | Average CPU utilization over a 5-second period, providing a snapshot of the past 5-seconds at the time of polling.<br><br>Available from Cisco devices only.<br>Forecast Lower Normal (4): The predicted lower normal value 4 weeks from now. |
| ComponentMetrics | CPU 5sec Utilization - Forecast Lower Normal (8 week) (min) | Average CPU utilization over a 5-second period, providing a snapshot of the past 5-seconds at the time of polling.<br><br>Available from Cisco devices only.<br>Forecast Lower Normal (8): The predicted lower normal value 8 weeks from now. |
| ComponentMetrics | CPU 5sec Utilization - Forecast Upper Normal (12 week) (max) | Average CPU utilization over a 5-second period, providing a snapshot of the past 5-seconds at the time of polling.<br><br>Available from Cisco devices only.<br>Forecast Upper Normal (12): The predicted upper normal value 12 weeks from now. |
| ComponentMetrics | CPU 5sec Utilization - Forecast Upper Normal (4 week) (max) | Average CPU utilization over a 5-second period, providing a snapshot of the past 5-seconds at the time of polling.<br><br>Available from Cisco devices only.<br>Forecast Upper Normal (4): The predicted upper normal value 4 weeks from now. |

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| ComponentMetrics | CPU 5sec Utilization - Forecast Upper Normal (8 week) (max) | Average CPU utilization over a 5-second period, providing a snapshot of the past 5-seconds at the time of polling.<br><br>Available from Cisco devices only.<br>Forecast Upper Normal (8): The predicted upper normal value 8 weeks from now. |
| ComponentMetrics | CPU 5sec Utilization - Lower Normal (min) | Average CPU utilization over a 5-second period, providing a snapshot of the past 5-seconds at the time of polling.<br><br>Available from Cisco devices only.<br>Baseline Lower Normal: The lower normal for this metric based upon historical data. An indication of the lowest typical value. |
| ComponentMetrics | CPU 5sec Utilization - Lower Threshold (min) | Average CPU utilization over a 5-second period, providing a snapshot of the past 5-seconds at the time of polling.<br><br>Available from Cisco devices only.<br>Lower Threshold: The value below which threshold exceptions will be raised. Configurable within NNMi. |
| ComponentMetrics | CPU 5sec Utilization - Slope (avg) | Average CPU utilization over a 5-second period, providing a snapshot of the past 5-seconds at the time of polling.<br><br>Available from Cisco devices only.<br>Baseline Slope: The slope (delta_x / delta_y) of the baseline values. An indication of how rapidly the value is changing. |
| ComponentMetrics | CPU 5sec Utilization - Threshold Exception Count (sum) | Average CPU utilization over a 5-second period, providing a snapshot of the past 5-seconds at the time of polling.<br><br>Available from Cisco devices only.<br>Threshold Exception Count: The number of samples which were in an exception state due to threshold breaches. |
| ComponentMetrics | CPU 5sec Utilization - Threshold Exception Rate (avg) | Average CPU utilization over a 5-second period, providing a snapshot of the past 5-seconds at the time of polling.<br><br>Available from Cisco devices only.<br>Threshold Exception Rate: The number of samples which were in an exception state for threshold breaches, expressed as a percentage of the total number of samples. An indication of how frequently the value goes beyond threshold ranges. |
| ComponentMetrics | CPU 5sec Utilization - Upper Normal (max) | Average CPU utilization over a 5-second period, providing a snapshot of the past 5-seconds at the time of polling.<br><br>Available from Cisco devices only.<br>Baseline Upper Normal: The upper normal for this metric based upon historical data. An indication of the highest typical value. |

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| ComponentMetrics | CPU 5sec Utilization - Upper Threshold (max) | Average CPU utilization over a 5-second period, providing a snapshot of the past 5-seconds at the time of polling.<br><br>Available from Cisco devices only.<br>Upper Threshold: The value above which threshold exceptions will be raised. Configurable within NNMi. |
| ComponentMetrics | Component ID (countDistinct) | Count Distinct: A count of the unique, distinct, values for this topology element. |
| ComponentMetrics | Component Name (countDistinct) | Hostname of the component.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| ComponentMetrics | Component Type (countDistinct) | Type of the component.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| ComponentMetrics | Component UUID (countDistinct) | Count Distinct: A count of the unique, distinct, values for this topology element. |
| ComponentMetrics | Disk Space Free - MB (avg) | The amount of free disk space available (in MB).<br>Average: The total of all the values divided by the number of samples. |
| ComponentMetrics | Disk Space Free - MB (max) | The amount of free disk space available (in MB).<br>Maximum: The maximum, or largest, value. |
| ComponentMetrics | Disk Space Free - MB (min) | The amount of free disk space available (in MB).<br>Minimum: The minimum, or smallest, value. |
| ComponentMetrics | Disk Space Free - MB (pctile05) | The amount of free disk space available (in MB).<br>Percentile (05): The value below which 5% of all the samples fall. |
| ComponentMetrics | Disk Space Free - MB (pctile90) | The amount of free disk space available (in MB).<br>Percentile (90): The value below which 90% of all the samples fall. |
| ComponentMetrics | Disk Space Free - MB (pctile95) | The amount of free disk space available (in MB).<br>Percentile (95): The value below which 95% of all the samples fall. |
| ComponentMetrics | Disk Space Free - MB (pctile99) | The amount of free disk space available (in MB).<br>Percentile (99): The value below which 99% of all the samples fall. |
| ComponentMetrics | Disk Space Total - MB (avg) | The amount of disk space allocated.<br>Average: The total of all the values divided by the number of samples. |

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| ComponentMetrics | Disk Space Total - MB (max) | The amount of disk space allocated.<br>Maximum: The maximum, or largest, value. |
| ComponentMetrics | Disk Space Total - MB (min) | The amount of disk space allocated.<br>Minimum: The minimum, or smallest, value. |
| ComponentMetrics | Disk Space Total - MB (pctile05) | The amount of disk space allocated.<br>Percentile (05): The value below which 5% of all the samples fall. |
| ComponentMetrics | Disk Space Total - MB (pctile90) | The amount of disk space allocated.<br>Percentile (90): The value below which 90% of all the samples fall. |
| ComponentMetrics | Disk Space Total - MB (pctile95) | The amount of disk space allocated.<br>Percentile (95): The value below which 95% of all the samples fall. |
| ComponentMetrics | Disk Space Total - MB (pctile99) | The amount of disk space allocated.<br>Percentile (99): The value below which 99% of all the samples fall. |
| ComponentMetrics | Disk Space Used - MB (avg) | The amount of disk space used (in MB).<br>Average: The total of all the values divided by the number of samples. |
| ComponentMetrics | Disk Space Used - MB (max) | The amount of disk space used (in MB).<br>Maximum: The maximum, or largest, value. |
| ComponentMetrics | Disk Space Used - MB (min) | The amount of disk space used (in MB).<br>Minimum: The minimum, or smallest, value. |
| ComponentMetrics | Disk Space Used - MB (pctile05) | The amount of disk space used (in MB).<br>Percentile (05): The value below which 5% of all the samples fall. |
| ComponentMetrics | Disk Space Used - MB (pctile90) | The amount of disk space used (in MB).<br>Percentile (90): The value below which 90% of all the samples fall. |
| ComponentMetrics | Disk Space Used - MB (pctile95) | The amount of disk space used (in MB).<br>Percentile (95): The value below which 95% of all the samples fall. |
| ComponentMetrics | Disk Space Used - MB (pctile99) | The amount of disk space used (in MB).<br>Percentile (99): The value below which 99% of all the samples fall. |
| ComponentMetrics | Disk Space | Percentage of disk space usage. |

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| | Utilization (avg) | Average: The total of all the values divided by the number of samples. |
| ComponentMetrics | Disk Space Utilization (max) | Percentage of disk space usage.<br>Maximum: The maximum, or largest, value. |
| ComponentMetrics | Disk Space Utilization (min) | Percentage of disk space usage.<br>Minimum: The minimum, or smallest, value. |
| ComponentMetrics | Disk Space Utilization (pctile05) | Percentage of disk space usage.<br>Percentile (05): The value below which 5% of all the samples fall. |
| ComponentMetrics | Disk Space Utilization (pctile90) | Percentage of disk space usage.<br>Percentile (90): The value below which 90% of all the samples fall. |
| ComponentMetrics | Disk Space Utilization (pctile95) | Percentage of disk space usage.<br>Percentile (95): The value below which 95% of all the samples fall. |
| ComponentMetrics | Disk Space Utilization (pctile99) | Percentage of disk space usage.<br>Percentile (99): The value below which 99% of all the samples fall. |
| ComponentMetrics | Disk Space Utilization - Baseline Average (avg) | Percentage of disk space usage.<br>Baseline average: The normal, average value for this metric. |
| ComponentMetrics | Disk Space Utilization - Baseline Deviation (avg) | Percentage of disk space usage.<br>Baseline Deviation: The size of one statistical deviation from the normal, average value. An indication of how widely spread the sampled values are. |
| ComponentMetrics | Disk Space Utilization - Baseline Exception Count (sum) | Percentage of disk space usage.<br>Baseline Exception Count: The number of samples which were in an exception state due to baseline breaches. |
| ComponentMetrics | Disk Space Utilization - Baseline Exception Rate (avg) | Percentage of disk space usage.<br>Baseline Exception Rate: The number of samples which were in an exception state for baseline breaches, expressed as a percentage of the total number of samples. An indication of how frequently the value goes beyond the normal range. |
| ComponentMetrics | Disk Space Utilization - Days To Threshold | Percentage of disk space usage.<br>Baseline Days To Threshold: The number of days before the normal, average value reaches the threshold. |

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| | (min) | |
| ComponentMetrics | Disk Space Utilization - Forecast Baseline (12 week) (avg) | Percentage of disk space usage.<br>Forecast Baseline (12): The predicted baseline average value 12 weeks from now. |
| ComponentMetrics | Disk Space Utilization - Forecast Baseline (4 week) (avg) | Percentage of disk space usage.<br>Forecast Baseline (4): The predicted baseline average value 4 weeks from now. |
| ComponentMetrics | Disk Space Utilization - Forecast Baseline (8 week) (avg) | Percentage of disk space usage.<br>Forecast Baseline (8): The predicted baseline average value 8 weeks from now. |
| ComponentMetrics | Disk Space Utilization - Forecast Lower Normal (12 week) (min) | Percentage of disk space usage.<br>Forecast Lower Normal (12): The predicted lower normal value 12 weeks from now. |
| ComponentMetrics | Disk Space Utilization - Forecast Lower Normal (4 week) (min) | Percentage of disk space usage.<br>Forecast Lower Normal (4): The predicted lower normal value 4 weeks from now. |
| ComponentMetrics | Disk Space Utilization - Forecast Lower Normal (8 week) (min) | Percentage of disk space usage.<br>Forecast Lower Normal (8): The predicted lower normal value 8 weeks from now. |
| ComponentMetrics | Disk Space Utilization - Forecast Upper Normal (12 week) (max) | Percentage of disk space usage.<br>Forecast Upper Normal (12): The predicted upper normal value 12 weeks from now. |
| ComponentMetrics | Disk Space Utilization - Forecast Upper Normal (4 week) (max) | Percentage of disk space usage.<br>Forecast Upper Normal (4): The predicted upper normal value 4 weeks from now. |
| ComponentMetrics | Disk Space | Percentage of disk space usage. |

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| | Utilization - Forecast Upper Normal (8 week) (max) | Forecast Upper Normal (8): The predicted upper normal value 8 weeks from now. |
| ComponentMetrics | Disk Space Utilization - Lower Normal (min) | Percentage of disk space usage.<br>Baseline Lower Normal: The lower normal for this metric based upon historical data. An indication of the lowest typical value. |
| ComponentMetrics | Disk Space Utilization - Lower Threshold (min) | Percentage of disk space usage.<br>Lower Threshold: The value below which threshold exceptions will be raised. Configurable within NNMi. |
| ComponentMetrics | Disk Space Utilization - Slope (avg) | Percentage of disk space usage.<br>Baseline Slope: The slope (delta_x / delta_y) of the baseline values. An indication of how rapidly the value is changing. |
| ComponentMetrics | Disk Space Utilization - Threshold Exception Count (sum) | Percentage of disk space usage.<br>Threshold Exception Count: The number of samples which were in an exception state due to threshold breaches. |
| ComponentMetrics | Disk Space Utilization - Threshold Exception Rate (avg) | Percentage of disk space usage.<br>Threshold Exception Rate: The number of samples which were in an exception state for threshold breaches, expressed as a percentage of the total number of samples. An indication of how frequently the value goes beyond threshold ranges. |
| ComponentMetrics | Disk Space Utilization - Upper Normal (max) | Percentage of disk space usage.<br>Baseline Upper Normal: The upper normal for this metric based upon historical data. An indication of the highest typical value. |
| ComponentMetrics | Disk Space Utilization - Upper Threshold (max) | Percentage of disk space usage.<br>Upper Threshold: The value above which threshold exceptions will be raised. Configurable within NNMi. |
| ComponentMetrics | Free Memory (avg) | The total amount of memory available for consumption.<br>Average: The total of all the values divided by the number of samples. |
| ComponentMetrics | Free Memory (max) | The total amount of memory available for consumption.<br>Maximum: The maximum, or largest, value. |
| ComponentMetrics | Free Memory (min) | The total amount of memory available for consumption.<br>Minimum: The minimum, or smallest, value. |

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| ComponentMetrics | Free Memory (pctile05) | The total amount of memory available for consumption.<br>Percentile (05): The value below which 5% of all the samples fall. |
| ComponentMetrics | Free Memory (pctile90) | The total amount of memory available for consumption.<br>Percentile (90): The value below which 90% of all the samples fall. |
| ComponentMetrics | Free Memory (pctile95) | The total amount of memory available for consumption.<br>Percentile (95): The value below which 95% of all the samples fall. |
| ComponentMetrics | Free Memory (pctile99) | The total amount of memory available for consumption.<br>Percentile (99): The value below which 99% of all the samples fall. |
| ComponentMetrics | ICMP ResponseTime (Milliseconds) (avg) | ICMP response time in milliseconds. If NNMi poll does not receive any responses from the node's management address, a NULL value is shown.<br>Average: The total of all the values divided by the number of samples. |
| ComponentMetrics | ICMP ResponseTime (Milliseconds) (max) | ICMP response time in milliseconds. If NNMi poll does not receive any responses from the node's management address, a NULL value is shown.<br>Maximum: The maximum, or largest, value. |
| ComponentMetrics | ICMP ResponseTime (Milliseconds) (min) | ICMP response time in milliseconds. If NNMi poll does not receive any responses from the node's management address, a NULL value is shown.<br>Minimum: The minimum, or smallest, value. |
| ComponentMetrics | ICMP ResponseTime (Milliseconds) (pctile05) | ICMP response time in milliseconds. If NNMi poll does not receive any responses from the node's management address, a NULL value is shown.<br>Percentile (05): The value below which 5% of all the samples fall. |
| ComponentMetrics | ICMP ResponseTime (Milliseconds) (pctile90) | ICMP response time in milliseconds. If NNMi poll does not receive any responses from the node's management address, a NULL value is shown.<br>Percentile (90): The value below which 90% of all the samples fall. |
| ComponentMetrics | ICMP ResponseTime (Milliseconds) (pctile95) | ICMP response time in milliseconds. If NNMi poll does not receive any responses from the node's management address, a NULL value is shown.<br>Percentile (95): The value below which 95% of all the samples fall. |
| ComponentMetrics | ICMP ResponseTime (Milliseconds) (pctile99) | ICMP response time in milliseconds. If NNMi poll does not receive any responses from the node's management address, a NULL value is shown.<br>Percentile (99): The value below which 99% of all the samples fall. |
| ComponentMetrics | ICMP ResponseTime (Milliseconds) - Baseline Average (avg) | ICMP response time in milliseconds. If NNMi poll does not receive any responses from the node's management address, a NULL value is shown.<br>Baseline average: The normal, average value for this metric. |

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| ComponentMetrics | ICMP ResponseTime (Milliseconds) - Baseline Deviation (avg) | ICMP response time in milliseconds. If NNMi poll does not receive any responses from the node's management address, a NULL value is shown.<br>Baseline Deviation: The size of one statistical deviation from the normal, average value. An indication of how widely spread the sampled values are. |
| ComponentMetrics | ICMP ResponseTime (Milliseconds) - Baseline Exception Count (sum) | ICMP response time in milliseconds. If NNMi poll does not receive any responses from the node's management address, a NULL value is shown.<br>Baseline Exception Count: The number of samples which were in an exception state due to baseline breaches. |
| ComponentMetrics | ICMP ResponseTime (Milliseconds) - Baseline Exception Rate (avg) | ICMP response time in milliseconds. If NNMi poll does not receive any responses from the node's management address, a NULL value is shown.<br>Baseline Exception Rate: The number of samples which were in an exception state for baseline breaches, expressed as a percentage of the total number of samples. An indication of how frequently the value goes beyond the normal range. |
| ComponentMetrics | ICMP ResponseTime (Milliseconds) - Days To Threshold (min) | ICMP response time in milliseconds. If NNMi poll does not receive any responses from the node's management address, a NULL value is shown.<br>Baseline Days To Threshold: The number of days before the normal, average value reaches the threshold. |
| ComponentMetrics | ICMP ResponseTime (Milliseconds) - Forecast Baseline (12 week) (avg) | ICMP response time in milliseconds. If NNMi poll does not receive any responses from the node's management address, a NULL value is shown.<br>Forecast Baseline (12): The predicted baseline average value 12 weeks from now. |
| ComponentMetrics | ICMP ResponseTime (Milliseconds) - Forecast Baseline (4 week) (avg) | ICMP response time in milliseconds. If NNMi poll does not receive any responses from the node's management address, a NULL value is shown.<br>Forecast Baseline (4): The predicted baseline average value 4 weeks from now. |
| ComponentMetrics | ICMP ResponseTime (Milliseconds) - Forecast Baseline (8 week) (avg) | ICMP response time in milliseconds. If NNMi poll does not receive any responses from the node's management address, a NULL value is shown.<br>Forecast Baseline (8): The predicted baseline average value 8 weeks from now. |
| ComponentMetrics | ICMP | ICMP response time in milliseconds. If NNMi poll does not receive any responses from the node's management address, a NULL |

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| | ResponseTime (Milliseconds) - Forecast Lower Normal (12 week) (min) | value is shown.<br>Forecast Lower Normal (12): The predicted lower normal value 12 weeks from now. |
| ComponentMetrics | ICMP ResponseTime (Milliseconds) - Forecast Lower Normal (4 week) (min) | ICMP response time in milliseconds. If NNMi poll does not receive any responses from the node's management address, a NULL value is shown.<br>Forecast Lower Normal (4): The predicted lower normal value 4 weeks from now. |
| ComponentMetrics | ICMP ResponseTime (Milliseconds) - Forecast Lower Normal (8 week) (min) | ICMP response time in milliseconds. If NNMi poll does not receive any responses from the node's management address, a NULL value is shown.<br>Forecast Lower Normal (8): The predicted lower normal value 8 weeks from now. |
| ComponentMetrics | ICMP ResponseTime (Milliseconds) - Forecast Upper Normal (12 week) (max) | ICMP response time in milliseconds. If NNMi poll does not receive any responses from the node's management address, a NULL value is shown.<br>Forecast Upper Normal (12): The predicted upper normal value 12 weeks from now. |
| ComponentMetrics | ICMP ResponseTime (Milliseconds) - Forecast Upper Normal (4 week) (max) | ICMP response time in milliseconds. If NNMi poll does not receive any responses from the node's management address, a NULL value is shown.<br>Forecast Upper Normal (4): The predicted upper normal value 4 weeks from now. |
| ComponentMetrics | ICMP ResponseTime (Milliseconds) - Forecast Upper Normal (8 week) (max) | ICMP response time in milliseconds. If NNMi poll does not receive any responses from the node's management address, a NULL value is shown.<br>Forecast Upper Normal (8): The predicted upper normal value 8 weeks from now. |
| ComponentMetrics | ICMP ResponseTime (Milliseconds) - Lower Normal (min) | ICMP response time in milliseconds. If NNMi poll does not receive any responses from the node's management address, a NULL value is shown.<br>Baseline Lower Normal: The lower normal for this metric based upon historical data. An indication of the lowest typical value. |
| ComponentMetrics | ICMP ResponseTime (Milliseconds) - Lower | ICMP response time in milliseconds. If NNMi poll does not receive any responses from the node's management address, a NULL value is shown.<br>Lower Threshold: The value below which threshold exceptions will |

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| | Threshold (min) | be raised. Configurable within NNMi. |
| ComponentMetrics | ICMP ResponseTime (Milliseconds) - Slope (avg) | ICMP response time in milliseconds. If NNMi poll does not receive any responses from the node's management address, a NULL value is shown.<br>Baseline Slope: The slope (delta_x / delta_y) of the baseline values. An indication of how rapidly the value is changing. |
| ComponentMetrics | ICMP ResponseTime (Milliseconds) - Threshold Exception Count (sum) | ICMP response time in milliseconds. If NNMi poll does not receive any responses from the node's management address, a NULL value is shown.<br>Threshold Exception Count: The number of samples which were in an exception state due to threshold breaches. |
| ComponentMetrics | ICMP ResponseTime (Milliseconds) - Threshold Exception Rate (avg) | ICMP response time in milliseconds. If NNMi poll does not receive any responses from the node's management address, a NULL value is shown.<br>Threshold Exception Rate: The number of samples which were in an exception state for threshold breaches, expressed as a percentage of the total number of samples. An indication of how frequently the value goes beyond threshold ranges. |
| ComponentMetrics | ICMP ResponseTime (Milliseconds) - Upper Normal (max) | ICMP response time in milliseconds. If NNMi poll does not receive any responses from the node's management address, a NULL value is shown.<br>Baseline Upper Normal: The upper normal for this metric based upon historical data. An indication of the highest typical value. |
| ComponentMetrics | ICMP ResponseTime (Milliseconds) - Upper Threshold (max) | ICMP response time in milliseconds. If NNMi poll does not receive any responses from the node's management address, a NULL value is shown.<br>Upper Threshold: The value above which threshold exceptions will be raised. Configurable within NNMi. |
| ComponentMetrics | Invalid Data (avg) | A device that returned invalid data (for example: the number of packets is greater than the number of octets). Examine the State Poller log<br>file within NNM for more information.<br>Average: The total of all the values divided by the number of samples. |
| ComponentMetrics | Memory Utilization (avg) | Percentage of memory in use compared to the total amount of memory available.<br>Average: The total of all the values divided by the number of samples. |
| ComponentMetrics | Memory Utilization (max) | Percentage of memory in use compared to the total amount of memory available.<br>Maximum: The maximum, or largest, value. |

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| ComponentMetrics | Memory Utilization (min) | Percentage of memory in use compared to the total amount of memory available.<br>Minimum: The minimum, or smallest, value. |
| ComponentMetrics | Memory Utilization (pctile05) | Percentage of memory in use compared to the total amount of memory available.<br>Percentile (05): The value below which 5% of all the samples fall. |
| ComponentMetrics | Memory Utilization (pctile90) | Percentage of memory in use compared to the total amount of memory available.<br>Percentile (90): The value below which 90% of all the samples fall. |
| ComponentMetrics | Memory Utilization (pctile95) | Percentage of memory in use compared to the total amount of memory available.<br>Percentile (95): The value below which 95% of all the samples fall. |
| ComponentMetrics | Memory Utilization (pctile99) | Percentage of memory in use compared to the total amount of memory available.<br>Percentile (99): The value below which 99% of all the samples fall. |
| ComponentMetrics | Memory Utilization - Baseline Average (avg) | Percentage of memory in use compared to the total amount of memory available.<br>Baseline average: The normal, average value for this metric. |
| ComponentMetrics | Memory Utilization - Baseline Deviation (avg) | Percentage of memory in use compared to the total amount of memory available.<br>Baseline Deviation: The size of one statistical deviation from the normal, average value. An indication of how widely spread the sampled values are. |
| ComponentMetrics | Memory Utilization - Baseline Exception Count (sum) | Percentage of memory in use compared to the total amount of memory available.<br>Baseline Exception Count: The number of samples which were in an exception state due to baseline breaches. |
| ComponentMetrics | Memory Utilization - Baseline Exception Rate (avg) | Percentage of memory in use compared to the total amount of memory available.<br>Baseline Exception Rate: The number of samples which were in an exception state for baseline breaches, expressed as a percentage of the total number of samples. An indication of how frequently the value goes beyond the normal range. |
| ComponentMetrics | Memory Utilization - Days To Threshold (min) | Percentage of memory in use compared to the total amount of memory available.<br>Baseline Days To Threshold: The number of days before the normal, average value reaches the threshold. |
| ComponentMetrics | Memory Utilization - | Percentage of memory in use compared to the total amount of memory available.<br>Forecast Baseline (12): The predicted baseline average value 12 |

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| | Forecast Baseline (12 week) (avg) | weeks from now. |
| ComponentMetrics | Memory Utilization - Forecast Baseline (4 week) (avg) | Percentage of memory in use compared to the total amount of memory available.<br>Forecast Baseline (4): The predicted baseline average value 4 weeks from now. |
| ComponentMetrics | Memory Utilization - Forecast Baseline (8 week) (avg) | Percentage of memory in use compared to the total amount of memory available.<br>Forecast Baseline (8): The predicted baseline average value 8 weeks from now. |
| ComponentMetrics | Memory Utilization - Forecast Lower Normal (12 week) (min) | Percentage of memory in use compared to the total amount of memory available.<br>Forecast Lower Normal (12): The predicted lower normal value 12 weeks from now. |
| ComponentMetrics | Memory Utilization - Forecast Lower Normal (4 week) (min) | Percentage of memory in use compared to the total amount of memory available.<br>Forecast Lower Normal (4): The predicted lower normal value 4 weeks from now. |
| ComponentMetrics | Memory Utilization - Forecast Lower Normal (8 week) (min) | Percentage of memory in use compared to the total amount of memory available.<br>Forecast Lower Normal (8): The predicted lower normal value 8 weeks from now. |
| ComponentMetrics | Memory Utilization - Forecast Upper Normal (12 week) (max) | Percentage of memory in use compared to the total amount of memory available.<br>Forecast Upper Normal (12): The predicted upper normal value 12 weeks from now. |
| ComponentMetrics | Memory Utilization - Forecast Upper Normal (4 week) (max) | Percentage of memory in use compared to the total amount of memory available.<br>Forecast Upper Normal (4): The predicted upper normal value 4 weeks from now. |
| ComponentMetrics | Memory Utilization - Forecast Upper Normal (8 week) (max) | Percentage of memory in use compared to the total amount of memory available.<br>Forecast Upper Normal (8): The predicted upper normal value 8 weeks from now. |

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| ComponentMetrics | Memory Utilization - Lower Normal (min) | Percentage of memory in use compared to the total amount of memory available.<br>Baseline Lower Normal: The lower normal for this metric based upon historical data. An indication of the lowest typical value. |
| ComponentMetrics | Memory Utilization - Lower Threshold (min) | Percentage of memory in use compared to the total amount of memory available.<br>Lower Threshold: The value below which threshold exceptions will be raised. Configurable within NNMi. |
| ComponentMetrics | Memory Utilization - Slope (avg) | Percentage of memory in use compared to the total amount of memory available.<br>Baseline Slope: The slope (delta_x / delta_y) of the baseline values. An indication of how rapidly the value is changing. |
| ComponentMetrics | Memory Utilization - Threshold Exception Count (sum) | Percentage of memory in use compared to the total amount of memory available.<br>Threshold Exception Count: The number of samples which were in an exception state due to threshold breaches. |
| ComponentMetrics | Memory Utilization - Threshold Exception Rate (avg) | Percentage of memory in use compared to the total amount of memory available.<br>Threshold Exception Rate: The number of samples which were in an exception state for threshold breaches, expressed as a percentage of the total number of samples. An indication of how frequently the value goes beyond threshold ranges. |
| ComponentMetrics | Memory Utilization - Upper Normal (max) | Percentage of memory in use compared to the total amount of memory available.<br>Baseline Upper Normal: The upper normal for this metric based upon historical data. An indication of the highest typical value. |
| ComponentMetrics | Memory Utilization - Upper Threshold (max) | Percentage of memory in use compared to the total amount of memory available.<br>Upper Threshold: The value above which threshold exceptions will be raised. Configurable within NNMi. |
| ComponentMetrics | Node Annotation (countDistinct) | Node annotation.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| ComponentMetrics | Node Availability (avg) | The amount of time the node was available for polling. Node availability depends on the sysUpTime of the node.<br><br>NNMi polls the SNMP sysUpTime value for each managed node and passes the sysUpTime value to NPS.<br><br>NPS calculates the number of seconds the node was available for |

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| | | polling using the following formula:<br><br>Node Availability = Available Seconds / Delta Time<br><br>If a node is reachable and the SNMP agent responds with the sysUpTime during the polling interval: Available Seconds = Delta Time = delta sysUpTime. (This formula is applied only when the sysUpTime counter is not reset, and delta sysUpTime is greater than or equal to the elapsed clock time since the last successful sysUpTime poll.)<br><br>If node sysUpTime was reset, or delta sysUpTime is less than the elapsed clock time since the last successful poll:<br><br>Available Seconds = sysUpTime as seconds (because sysUpTime was reset) and Delta Time = elapsed clock time since the last successful sysUpTime poll<br><br>If the node does not respond to polling during the polling interval, NPS creates a metric entry indicating an unresponsive target. The Node Availability value is then shown as NULL.<br>Average: The total of all the values divided by the number of samples. |
| ComponentMetrics | Node Availability (max) | The amount of time the node was available for polling. Node availability depends on the sysUpTime of the node.<br><br>NNMi polls the SNMP sysUpTime value for each managed node and passes the sysUpTime value to NPS.<br><br>NPS calculates the number of seconds the node was available for polling using the following formula:<br><br>Node Availability = Available Seconds / Delta Time<br><br>If a node is reachable and the SNMP agent responds with the sysUpTime during the polling interval: Available Seconds = Delta Time = delta sysUpTime. (This formula is applied only when the sysUpTime counter is not reset, and delta sysUpTime is greater than or equal to the elapsed clock time since the last successful sysUpTime poll.)<br><br>If node sysUpTime was reset, or delta sysUpTime is less than the elapsed clock time since the last successful poll:<br><br>Available Seconds = sysUpTime as seconds (because sysUpTime was reset) and Delta Time = elapsed clock time since the last successful sysUpTime poll<br><br>If the node does not respond to polling during the polling interval, |

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| | | NPS creates a metric entry indicating an unresponsive target. The Node Availability value is then shown as NULL.<br>Maximum: The maximum, or largest, value. |
| ComponentMetrics | Node Availability (min) | The amount of time the node was available for polling. Node availability depends on the sysUpTime of the node.<br><br>NNMi polls the SNMP sysUpTime value for each managed node and passes the sysUpTime value to NPS.<br><br>NPS calculates the number of seconds the node was available for polling using the following formula:<br><br>Node Availability = Available Seconds / Delta Time<br><br>If a node is reachable and the SNMP agent responds with the sysUpTime during the polling interval: Available Seconds = Delta Time = delta sysUpTime. (This formula is applied only when the sysUpTime counter is not reset, and delta sysUpTime is greater than or equal to the elapsed clock time since the last successful sysUpTime poll.)<br><br>If node sysUpTime was reset, or delta sysUpTime is less than the elapsed clock time since the last successful poll:<br><br>Available Seconds = sysUpTime as seconds (because sysUpTime was reset) and Delta Time = elapsed clock time since the last successful sysUpTime poll<br><br>If the node does not respond to polling during the polling interval, NPS creates a metric entry indicating an unresponsive target. The Node Availability value is then shown as NULL.<br>Minimum: The minimum, or smallest, value. |
| ComponentMetrics | Node Availability (pctile05) | The amount of time the node was available for polling. Node availability depends on the sysUpTime of the node.<br><br>NNMi polls the SNMP sysUpTime value for each managed node and passes the sysUpTime value to NPS.<br><br>NPS calculates the number of seconds the node was available for polling using the following formula:<br><br>Node Availability = Available Seconds / Delta Time<br><br>If a node is reachable and the SNMP agent responds with the sysUpTime during the polling interval: Available Seconds = Delta Time = delta sysUpTime. (This formula is applied only when the sysUpTime counter is not reset, and delta sysUpTime is greater |

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| | | than or equal to the elapsed clock time since the last successful sysUpTime poll.)<br><br>If node sysUpTime was reset, or delta sysUpTime is less than the elapsed clock time since the last successful poll:<br><br>Available Seconds = sysUpTime as seconds (because sysUpTime was reset) and Delta Time = elapsed clock time since the last successful sysUpTime poll<br><br>If the node does not respond to polling during the polling interval, NPS creates a metric entry indicating an unresponsive target. The Node Availability value is then shown as NULL.<br>Percentile (05): The value below which 5% of all the samples fall. |
| ComponentMetrics | Node Availability (pctile90) | The amount of time the node was available for polling. Node availability depends on the sysUpTime of the node.<br><br>NNMi polls the SNMP sysUpTime value for each managed node and passes the sysUpTime value to NPS.<br><br>NPS calculates the number of seconds the node was available for polling using the following formula:<br><br>Node Availability = Available Seconds / Delta Time<br><br>If a node is reachable and the SNMP agent responds with the sysUpTime during the polling interval: Available Seconds = Delta Time = delta sysUpTime. (This formula is applied only when the sysUpTime counter is not reset, and delta sysUpTime is greater than or equal to the elapsed clock time since the last successful sysUpTime poll.)<br><br>If node sysUpTime was reset, or delta sysUpTime is less than the elapsed clock time since the last successful poll:<br><br>Available Seconds = sysUpTime as seconds (because sysUpTime was reset) and Delta Time = elapsed clock time since the last successful sysUpTime poll<br><br>If the node does not respond to polling during the polling interval, NPS creates a metric entry indicating an unresponsive target. The Node Availability value is then shown as NULL.<br>Percentile (90): The value below which 90% of all the samples fall. |
| ComponentMetrics | Node Availability (pctile95) | The amount of time the node was available for polling. Node availability depends on the sysUpTime of the node.<br><br>NNMi polls the SNMP sysUpTime value for each managed node |

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| | | and passes the sysUpTime value to NPS.<br><br>NPS calculates the number of seconds the node was available for polling using the following formula:<br><br>Node Availability = Available Seconds / Delta Time<br><br>If a node is reachable and the SNMP agent responds with the sysUpTime during the polling interval: Available Seconds = Delta Time = delta sysUpTime. (This formula is applied only when the sysUpTime counter is not reset, and delta sysUpTime is greater than or equal to the elapsed clock time since the last successful sysUpTime poll.)<br><br>If node sysUpTime was reset, or delta sysUpTime is less than the elapsed clock time since the last successful poll:<br><br>Available Seconds = sysUpTime as seconds (because sysUpTime was reset) and Delta Time = elapsed clock time since the last successful sysUpTime poll<br><br>If the node does not respond to polling during the polling interval, NPS creates a metric entry indicating an unresponsive target. The Node Availability value is then shown as NULL.<br>Percentile (95): The value below which 95% of all the samples fall. |
| ComponentMetrics | Node Availability (pctile99) | The amount of time the node was available for polling. Node availability depends on the sysUpTime of the node.<br><br>NNMi polls the SNMP sysUpTime value for each managed node and passes the sysUpTime value to NPS.<br><br>NPS calculates the number of seconds the node was available for polling using the following formula:<br><br>Node Availability = Available Seconds / Delta Time<br><br>If a node is reachable and the SNMP agent responds with the sysUpTime during the polling interval: Available Seconds = Delta Time = delta sysUpTime. (This formula is applied only when the sysUpTime counter is not reset, and delta sysUpTime is greater than or equal to the elapsed clock time since the last successful sysUpTime poll.)<br><br>If node sysUpTime was reset, or delta sysUpTime is less than the elapsed clock time since the last successful poll:<br><br>Available Seconds = sysUpTime as seconds (because sysUpTime was reset) and Delta Time = elapsed clock time since the last successful sysUpTime poll |

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| | | If the node does not respond to polling during the polling interval, NPS creates a metric entry indicating an unresponsive target. The Node Availability value is then shown as NULL.<br>Percentile (99): The value below which 99% of all the samples fall. |
| ComponentMetrics | Node Contact (countDistinct) | Node contact.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| ComponentMetrics | Node Family (countDistinct) | Family of the node that hosts the component.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| ComponentMetrics | Node ID (countDistinct) | Unique ID of the node that hosts the component.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| ComponentMetrics | Node Location (countDistinct) | Location of the node that hosts the component.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| ComponentMetrics | Node Name (countDistinct) | Hostname of the node that hosts of the component.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| ComponentMetrics | Node ODBID (countDistinct) | Do not use this attribute for filtering the report (this attribute is used internally by HP Software products).<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| ComponentMetrics | Node Reachability (avg) | Amount of time the node's management address was available to the ICMP polls performed by NNMi.<br>Average: The total of all the values divided by the number of samples. |
| ComponentMetrics | Node Reachability (max) | Amount of time the node's management address was available to the ICMP polls performed by NNMi.<br>Maximum: The maximum, or largest, value. |
| ComponentMetrics | Node Reachability (min) | Amount of time the node's management address was available to the ICMP polls performed by NNMi.<br>Minimum: The minimum, or smallest, value. |
| ComponentMetrics | Node Reachability (pctile05) | Amount of time the node's management address was available to the ICMP polls performed by NNMi.<br>Percentile (05): The value below which 5% of all the samples fall. |
| ComponentMetrics | Node Reachability (pctile90) | Amount of time the node's management address was available to the ICMP polls performed by NNMi.<br>Percentile (90): The value below which 90% of all the samples fall. |
| ComponentMetrics | Node | Amount of time the node's management address was available to |

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| | Reachability (pctile95) | the ICMP polls performed by NNMi.<br>Percentile (95): The value below which 95% of all the samples fall. |
| ComponentMetrics | Node Reachability (pctile99) | Amount of time the node's management address was available to the ICMP polls performed by NNMi.<br>Percentile (99): The value below which 99% of all the samples fall. |
| ComponentMetrics | Node Short Name (countDistinct) | Short name of the node that hosts of the component.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| ComponentMetrics | Node UUID (countDistinct) | UUID of the node that hosts the component.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| ComponentMetrics | Node Vendor (countDistinct) | Vendor of the node that hosts the component.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| ComponentMetrics | Object Name (countDistinct) | Object Name is used by most extensionPacks to identify instrumented object instance.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| ComponentMetrics | Object Type (countDistinct) | Object Type is used by most extensionPacks to identify instrumented object type.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| ComponentMetrics | Overall Days To Threshold (min) | Lowest Days To Threshold for any forecasted measure.<br>Baseline Days To Threshold: The number of days before the normal, average value reaches the threshold. |
| ComponentMetrics | Overall Exception Rate (avg) | Sample Exception Rate based on any thresholded or baselined measure.<br>Threshold Exception Rate: The number of samples which were in an exception state for threshold breaches, expressed as a percentage of the total number of samples. An indication of how frequently the value goes beyond threshold ranges. |
| ComponentMetrics | Period Length (secs) (sum) | The duration (in seconds) between consecutive polling cycles of NNMi.<br>Summation: The total of all the values. |
| ComponentMetrics | Qualified Component Name (countDistinct) | Fully qualified name of the component.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| ComponentMetrics | Reboot (avg) | A device that is unable to perform the counter delta calculation due to a system restart.<br><br>The sysUptime value can indicate if the device was restarted. |

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| | | Average: The total of all the values divided by the number of samples. |
| ComponentMetrics | SNMP Response Time (msecs) (avg) | Time (in milliseconds) for the SNMP agent to respond to polling request.<br>Average: The total of all the values divided by the number of samples. |
| ComponentMetrics | SNMP Response Time (msecs) (max) | Time (in milliseconds) for the SNMP agent to respond to polling request.<br>Maximum: The maximum, or largest, value. |
| ComponentMetrics | SNMP Response Time (msecs) (min) | Time (in milliseconds) for the SNMP agent to respond to polling request.<br>Minimum: The minimum, or smallest, value. |
| ComponentMetrics | SNMP Response Time (msecs) (pctile05) | Time (in milliseconds) for the SNMP agent to respond to polling request.<br>Percentile (05): The value below which 5% of all the samples fall. |
| ComponentMetrics | SNMP Response Time (msecs) (pctile90) | Time (in milliseconds) for the SNMP agent to respond to polling request.<br>Percentile (90): The value below which 90% of all the samples fall. |
| ComponentMetrics | SNMP Response Time (msecs) (pctile95) | Time (in milliseconds) for the SNMP agent to respond to polling request.<br>Percentile (95): The value below which 95% of all the samples fall. |
| ComponentMetrics | SNMP Response Time (msecs) (pctile99) | Time (in milliseconds) for the SNMP agent to respond to polling request.<br>Percentile (99): The value below which 99% of all the samples fall. |
| ComponentMetrics | Sample Count (sum) | Sample Count: The total number of collected samples. |
| ComponentMetrics | SecGroup Name (countDistinct) | Name of the security group where the component belongs.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| ComponentMetrics | SecGroup UUID (countDistinct) | UUID of the security group where the component belongs.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| ComponentMetrics | Target Error (avg) | A device that returned an authentication error.<br>Average: The total of all the values divided by the number of samples. |

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| ComponentMetrics | Tenant Name (countDistinct) | Name of the tenant group where the component belongs.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| ComponentMetrics | Tenant UUID (countDistinct) | UUID of the tenant group where the component belongs.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| ComponentMetrics | Threshold Exception Rate (avg) | Sample Threshold Exception Rate based on any thresholded measure.<br>Threshold Exception Rate: The number of samples which were in an exception state for threshold breaches, expressed as a percentage of the total number of samples. An indication of how frequently the value goes beyond threshold ranges. |
| ComponentMetrics | Unresponsive Target (avg) | A device on which the SNMP agent did not respond when NNMi tried to metrics for a particular polling policy.<br>Average: The total of all the values divided by the number of samples. |

# Dictionary for FrameRelayPvc_Health

## Topology

| | | |
|---|---|---|
| FrameRelayPvcMetrics | FrameRelay Pvc CIR (bps) | |
| FrameRelayPvcMetrics | FrameRelay Pvc Circuit Committed Burst | |
| FrameRelayPvcMetrics | FrameRelay Pvc Circuit Excess Burst | |
| FrameRelayPvcTopology | FrameRelay Pvc DLCI | Data link connector identifier of the frame relay permanent virtual circuit. |
| FrameRelayPvcMetrics | FrameRelay Pvc EIR (bps) | |
| FrameRelayPvcTopology | FrameRelay Pvc ID | Unique identifier of the frame relay permanent virtual circuit. |
| FrameRelayPvcTopology | FrameRelay Pvc Name | Name of the frame relay permanent virtual circuit. |
| FrameRelayPvcTopology | FrameRelay Pvc UUID | |
| FrameRelayPvcTopology | Interface Alias | The alias of the interface. |

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|---|---|---|
| FrameRelayPvcTopology | Interface Annotation | Interface annotation. |
| FrameRelayPvcTopology | Interface Descr | The description of the interface. |
| FrameRelayPvcTopology | Interface Index | The index of the interface. |
| FrameRelayPvcTopology | Interface Name | The name of the interface. |
| FrameRelayPvcTopology | Interface ODBID | Do not use this attribute for filtering the report (this attribute is used internally by HP Software products). |
| FrameRelayPvcTopology | Interface Physical Address | The physical address of the interface. |
| FrameRelayPvcTopology | Interface Speed (In:Out) | The speed of the interface (ifInSpeed:ifOutSpeed). |
| FrameRelayPvcTopology | Interface Type | The type of the interface. |
| FrameRelayPvcTopology | Interface UUID | The UUID of the interface. |
| FrameRelayPvcTopology | Node Annotation | Node annotation. |
| FrameRelayPvcTopology | Node Contact | Node contact. |
| FrameRelayPvcTopology | Node Family | Family of the node that hosts the interface. |
| FrameRelayPvcTopology | Node ID | Unique ID of the node that hosts the interface. |
| FrameRelayPvcTopology | Node Location | Location of the node that hosts the interface. |
| FrameRelayPvcTopology | Node Name | Hostname of the node that hosts the interface. |
| FrameRelayPvcTopology | Node ODBID | Do not use this attribute for filtering the report (this attribute is used internally by HP Software products). |
| FrameRelayPvcTopology | Node Short Name | Short name of the node that hosts the interface. |
| FrameRelayPvcTopology | Node UUID | UUID of the node that hosts the interface. |
| FrameRelayPvcTopology | Node Vendor | Vendor of the node that hosts the interface. |
| FrameRelayPvcMetrics | Object Name | Object Name is used by most extensionPacks to identify instrumented object instance. |
| FrameRelayPvcMetrics | Object Type | Object Type is used by most extensionPacks to identify instrumented object type. |
| FrameRelayPvcTopology | Qualified FrameRelay Pvc Name | Fully qualified domain name of the frame relay permanent virtual circuit. |
| FrameRelayPvcTopology | Qualified Interface Name | The fully qualified domain name of the interface. |
| FrameRelayPvcTopology | SecGroup Name | Name of the security group where the interface |

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|---|---|---|
| | | belongs. |
| FrameRelayPvcTopology | SecGroup UUID | UUID of the security group where the interface belongs. |
| FrameRelayPvcTopology | Tenant Name | Name of the tenant group where the interface belongs. |
| FrameRelayPvcTopology | Tenant UUID | UUID of the tenant group where the interface belongs. |

# Metrics

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|---|---|---|
| FrameRelayPvcMetrics | Availability (avg) | Availability of the Frame Relay interface measured as a percentage of time.<br>Average: The total of all the values divided by the number of samples. |
| FrameRelayPvcMetrics | Availability (max) | Availability of the Frame Relay interface measured as a percentage of time.<br>Maximum: The maximum, or largest, value. |
| FrameRelayPvcMetrics | Availability (min) | Availability of the Frame Relay interface measured as a percentage of time.<br>Minimum: The minimum, or smallest, value. |
| FrameRelayPvcMetrics | Availability (pctile05) | Availability of the Frame Relay interface measured as a percentage of time.<br>Percentile (05): The value below which 5% of all the samples fall. |
| FrameRelayPvcMetrics | Availability (pctile90) | Availability of the Frame Relay interface measured as a percentage of time.<br>Percentile (90): The value below which 90% of all the samples fall. |
| FrameRelayPvcMetrics | Availability (pctile95) | Availability of the Frame Relay interface measured as a percentage of time.<br>Percentile (95): The value below which 95% of all the samples fall. |
| FrameRelayPvcMetrics | Availability (pctile99) | Availability of the Frame Relay interface measured as a percentage of time.<br>Percentile (99): The value below which 99% of all the samples fall. |
| FrameRelayPvcMetrics | Availability - Lower Threshold (min) | Availability of the Frame Relay interface measured as a percentage of time.<br>Lower Threshold: The value below which threshold exceptions will be raised. Configurable within NNMi. |
| FrameRelayPvcMetrics | Availability - Threshold | Availability of the Frame Relay interface measured as a percentage of time. |

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| | Exception Count (sum) | Threshold Exception Count: The number of samples which were in an exception state due to threshold breaches. |
| FrameRelayPvcMetrics | Availability - Threshold Exception Rate (avg) | Availability of the Frame Relay interface measured as a percentage of time.<br>Threshold Exception Rate: The number of samples which were in an exception state for threshold breaches, expressed as a percentage of the total number of samples. An indication of how frequently the value goes beyond threshold ranges. |
| FrameRelayPvcMetrics | Availability - Upper Threshold (max) | Availability of the Frame Relay interface measured as a percentage of time.<br>Upper Threshold: The value above which threshold exceptions will be raised. Configurable within NNMi. |
| FrameRelayPvcMetrics | BECN Frames In Rate (avg) | Percentage of incoming frames (received from the network over the selected VC) indicating backward congestion.<br><br>This metric is calculated using the following formula:<br><br>100.00 * (Sum of frames indicating backward congestion / Sum of frames received)<br>Average: The total of all the values divided by the number of samples. |
| FrameRelayPvcMetrics | BECN Frames In Rate (max) | Percentage of incoming frames (received from the network over the selected VC) indicating backward congestion.<br><br>This metric is calculated using the following formula:<br><br>100.00 * (Sum of frames indicating backward congestion / Sum of frames received)<br>Maximum: The maximum, or largest, value. |
| FrameRelayPvcMetrics | BECN Frames In Rate (min) | Percentage of incoming frames (received from the network over the selected VC) indicating backward congestion.<br><br>This metric is calculated using the following formula:<br><br>100.00 * (Sum of frames indicating backward congestion / Sum of frames received)<br>Minimum: The minimum, or smallest, value. |
| FrameRelayPvcMetrics | BECN Frames In Rate (pctile05) | Percentage of incoming frames (received from the network over the selected VC) indicating backward congestion.<br><br>This metric is calculated using the following formula:<br><br>100.00 * (Sum of frames indicating backward congestion / Sum of frames received) |

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| | | Percentile (05): The value below which 5% of all the samples fall. |
| FrameRelayPvcMetrics | BECN Frames In Rate (pctile90) | Percentage of incoming frames (received from the network over the selected VC) indicating backward congestion.<br><br>This metric is calculated using the following formula:<br><br>100.00 * (Sum of frames indicating backward congestion / Sum of frames received)<br>Percentile (90): The value below which 90% of all the samples fall. |
| FrameRelayPvcMetrics | BECN Frames In Rate (pctile95) | Percentage of incoming frames (received from the network over the selected VC) indicating backward congestion.<br><br>This metric is calculated using the following formula:<br><br>100.00 * (Sum of frames indicating backward congestion / Sum of frames received)<br>Percentile (95): The value below which 95% of all the samples fall. |
| FrameRelayPvcMetrics | BECN Frames In Rate (pctile99) | Percentage of incoming frames (received from the network over the selected VC) indicating backward congestion.<br><br>This metric is calculated using the following formula:<br><br>100.00 * (Sum of frames indicating backward congestion / Sum of frames received)<br>Percentile (99): The value below which 99% of all the samples fall. |
| FrameRelayPvcMetrics | BECN In - Frames (sum) | Total number of frames received from the network indicating backward congestion since the Virtual Circuit was created. Backward congestion occurs in the following circumstances:<br>* When the BECN flag is set to 1 by a remote DTE<br>* When a switch on the network receives the frame from a trunk with congested transmission queue<br>Summation: The total of all the values. |
| FrameRelayPvcMetrics | CIR In Utilization (avg) | Amount of data (in bits) that the selected VC receives under normal conditions.<br><br>Calculated using the following formula:<br><br>(Number of octets received * 8 * 100)/(CIR * sysUpTimeDelta in seconds)<br><br>sysUpTimeDelta = number of seconds since the node was |

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| | | restarted<br>Average: The total of all the values divided by the number of samples. |
| FrameRelayPvcMetrics | CIR In Utilization (max) | Amount of data (in bits) that the selected VC receives under normal conditions.<br><br>Calculated using the following formula:<br><br>(Number of octets received * 8 * 100)/(CIR * sysUpTimeDelta in seconds)<br><br>sysUpTimeDelta = number of seconds since the node was restarted<br>Maximum: The maximum, or largest, value. |
| FrameRelayPvcMetrics | CIR In Utilization (min) | Amount of data (in bits) that the selected VC receives under normal conditions.<br><br>Calculated using the following formula:<br><br>(Number of octets received * 8 * 100)/(CIR * sysUpTimeDelta in seconds)<br><br>sysUpTimeDelta = number of seconds since the node was restarted<br>Minimum: The minimum, or smallest, value. |
| FrameRelayPvcMetrics | CIR In Utilization (pctile05) | Amount of data (in bits) that the selected VC receives under normal conditions.<br><br>Calculated using the following formula:<br><br>(Number of octets received * 8 * 100)/(CIR * sysUpTimeDelta in seconds)<br><br>sysUpTimeDelta = number of seconds since the node was restarted<br>Percentile (05): The value below which 5% of all the samples fall. |
| FrameRelayPvcMetrics | CIR In Utilization (pctile90) | Amount of data (in bits) that the selected VC receives under normal conditions.<br><br>Calculated using the following formula:<br><br>(Number of octets received * 8 * 100)/(CIR * sysUpTimeDelta in seconds)<br><br>sysUpTimeDelta = number of seconds since the node was restarted |

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| | | Percentile (90): The value below which 90% of all the samples fall. |
| FrameRelayPvcMetrics | CIR In Utilization (pctile95) | Amount of data (in bits) that the selected VC receives under normal conditions.<br><br>Calculated using the following formula:<br><br>(Number of octets received * 8 * 100)/(CIR * sysUpTimeDelta in seconds)<br><br>sysUpTimeDelta = number of seconds since the node was restarted<br>Percentile (95): The value below which 95% of all the samples fall. |
| FrameRelayPvcMetrics | CIR In Utilization (pctile99) | Amount of data (in bits) that the selected VC receives under normal conditions.<br><br>Calculated using the following formula:<br><br>(Number of octets received * 8 * 100)/(CIR * sysUpTimeDelta in seconds)<br><br>sysUpTimeDelta = number of seconds since the node was restarted<br>Percentile (99): The value below which 99% of all the samples fall. |
| FrameRelayPvcMetrics | CIR Out Utilization (avg) | Amount of data (in bits) that the selected VC sends under normal conditions.<br><br>Calculated using the following formula:<br><br>(Number of octets sent * 8 * 100)/(CIR * sysUpTimeDelta> in seconds)<br><br>sysUpTimeDelta = number of seconds since the node was restarted<br>Average: The total of all the values divided by the number of samples. |
| FrameRelayPvcMetrics | CIR Out Utilization (max) | Amount of data (in bits) that the selected VC sends under normal conditions.<br><br>Calculated using the following formula:<br><br>(Number of octets sent * 8 * 100)/(CIR * sysUpTimeDelta> in seconds)<br><br>sysUpTimeDelta = number of seconds since the node was |

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| | | restarted<br>Maximum: The maximum, or largest, value. |
| FrameRelayPvcMetrics | CIR Out Utilization (min) | Amount of data (in bits) that the selected VC sends under normal conditions.<br><br>Calculated using the following formula:<br><br>(Number of octets sent * 8 * 100)/(CIR * sysUpTimeDelta> in seconds)<br><br>sysUpTimeDelta = number of seconds since the node was restarted<br>Minimum: The minimum, or smallest, value. |
| FrameRelayPvcMetrics | CIR Out Utilization (pctile05) | Amount of data (in bits) that the selected VC sends under normal conditions.<br><br>Calculated using the following formula:<br><br>(Number of octets sent * 8 * 100)/(CIR * sysUpTimeDelta> in seconds)<br><br>sysUpTimeDelta = number of seconds since the node was restarted<br>Percentile (05): The value below which 5% of all the samples fall. |
| FrameRelayPvcMetrics | CIR Out Utilization (pctile90) | Amount of data (in bits) that the selected VC sends under normal conditions.<br><br>Calculated using the following formula:<br><br>(Number of octets sent * 8 * 100)/(CIR * sysUpTimeDelta> in seconds)<br><br>sysUpTimeDelta = number of seconds since the node was restarted<br>Percentile (90): The value below which 90% of all the samples fall. |
| FrameRelayPvcMetrics | CIR Out Utilization (pctile95) | Amount of data (in bits) that the selected VC sends under normal conditions.<br><br>Calculated using the following formula:<br><br>(Number of octets sent * 8 * 100)/(CIR * sysUpTimeDelta> in seconds)<br><br>sysUpTimeDelta = number of seconds since the node was restarted |

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| | | Percentile (95): The value below which 95% of all the samples fall. |
| FrameRelayPvcMetrics | CIR Out Utilization (pctile99) | Amount of data (in bits) that the selected VC sends under normal conditions.<br><br>Calculated using the following formula:<br><br>(Number of octets sent * 8 * 100)/(CIR * sysUpTimeDelta> in seconds)<br><br>sysUpTimeDelta = number of seconds since the node was restarted<br>Percentile (99): The value below which 99% of all the samples fall. |
| FrameRelayPvcMetrics | CIR Utilization (avg) | Amount of data (in bits) that the selected VC agrees to transmit under normal conditions.<br>Average: The total of all the values divided by the number of samples. |
| FrameRelayPvcMetrics | CIR Utilization (max) | Amount of data (in bits) that the selected VC agrees to transmit under normal conditions.<br>Maximum: The maximum, or largest, value. |
| FrameRelayPvcMetrics | CIR Utilization (min) | Amount of data (in bits) that the selected VC agrees to transmit under normal conditions.<br>Minimum: The minimum, or smallest, value. |
| FrameRelayPvcMetrics | CIR Utilization (pctile05) | Amount of data (in bits) that the selected VC agrees to transmit under normal conditions.<br>Percentile (05): The value below which 5% of all the samples fall. |
| FrameRelayPvcMetrics | CIR Utilization (pctile90) | Amount of data (in bits) that the selected VC agrees to transmit under normal conditions.<br>Percentile (90): The value below which 90% of all the samples fall. |
| FrameRelayPvcMetrics | CIR Utilization (pctile95) | Amount of data (in bits) that the selected VC agrees to transmit under normal conditions.<br>Percentile (95): The value below which 95% of all the samples fall. |
| FrameRelayPvcMetrics | CIR Utilization (pctile99) | Amount of data (in bits) that the selected VC agrees to transmit under normal conditions.<br>Percentile (99): The value below which 99% of all the samples fall. |
| FrameRelayPvcMetrics | DE Frames In Rate (avg) | Arrival rate of incoming frames with the Discard Eligibility bit set to 1. |

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| | | This metric is calculated using the following formula:<br><br>100.00 * (Sum of incoming frames with the Discard Eligibility bit set to 1/ Sum of frames received)<br>Average: The total of all the values divided by the number of samples. |
| FrameRelayPvcMetrics | DE Frames In Rate (max) | Arrival rate of incoming frames with the Discard Eligibility bit set to 1.<br><br>This metric is calculated using the following formula:<br><br>100.00 * (Sum of incoming frames with the Discard Eligibility bit set to 1/ Sum of frames received)<br>Maximum: The maximum, or largest, value. |
| FrameRelayPvcMetrics | DE Frames In Rate (min) | Arrival rate of incoming frames with the Discard Eligibility bit set to 1.<br><br>This metric is calculated using the following formula:<br><br>100.00 * (Sum of incoming frames with the Discard Eligibility bit set to 1/ Sum of frames received)<br>Minimum: The minimum, or smallest, value. |
| FrameRelayPvcMetrics | DE Frames In Rate (pctile05) | Arrival rate of incoming frames with the Discard Eligibility bit set to 1.<br><br>This metric is calculated using the following formula:<br><br>100.00 * (Sum of incoming frames with the Discard Eligibility bit set to 1/ Sum of frames received)<br>Percentile (05): The value below which 5% of all the samples fall. |
| FrameRelayPvcMetrics | DE Frames In Rate (pctile90) | Arrival rate of incoming frames with the Discard Eligibility bit set to 1.<br><br>This metric is calculated using the following formula:<br><br>100.00 * (Sum of incoming frames with the Discard Eligibility bit set to 1/ Sum of frames received)<br>Percentile (90): The value below which 90% of all the samples fall. |
| FrameRelayPvcMetrics | DE Frames In Rate (pctile95) | Arrival rate of incoming frames with the Discard Eligibility bit set to 1.<br><br>This metric is calculated using the following formula:<br><br>100.00 * (Sum of incoming frames with the Discard |

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| | | Eligibility bit set to 1/ Sum of frames received)<br>Percentile (95): The value below which 95% of all the samples fall. |
| FrameRelayPvcMetrics | DE Frames In Rate (pctile99) | Arrival rate of incoming frames with the Discard Eligibility bit set to 1.<br><br>This metric is calculated using the following formula:<br><br>100.00 * (Sum of incoming frames with the Discard Eligibility bit set to 1/ Sum of frames received)<br>Percentile (99): The value below which 99% of all the samples fall. |
| FrameRelayPvcMetrics | DE Frames Out Rate (avg) | Transfer rate of outgoing frames with the Discard Eligibility bit set to 1.<br><br>This metric is calculated using the following formula:<br><br>100.00 * (Sum of outgoing frames with the Discard Eligibility bit set to 1/ Sum of frames transferred)<br>Average: The total of all the values divided by the number of samples. |
| FrameRelayPvcMetrics | DE Frames Out Rate (max) | Transfer rate of outgoing frames with the Discard Eligibility bit set to 1.<br><br>This metric is calculated using the following formula:<br><br>100.00 * (Sum of outgoing frames with the Discard Eligibility bit set to 1/ Sum of frames transferred)<br>Maximum: The maximum, or largest, value. |
| FrameRelayPvcMetrics | DE Frames Out Rate (min) | Transfer rate of outgoing frames with the Discard Eligibility bit set to 1.<br><br>This metric is calculated using the following formula:<br><br>100.00 * (Sum of outgoing frames with the Discard Eligibility bit set to 1/ Sum of frames transferred)<br>Minimum: The minimum, or smallest, value. |
| FrameRelayPvcMetrics | DE Frames Out Rate (pctile05) | Transfer rate of outgoing frames with the Discard Eligibility bit set to 1.<br><br>This metric is calculated using the following formula:<br><br>100.00 * (Sum of outgoing frames with the Discard Eligibility bit set to 1/ Sum of frames transferred)<br>Percentile (05): The value below which 5% of all the samples fall. |

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| FrameRelayPvcMetrics | DE Frames Out Rate (pctile90) | Transfer rate of outgoing frames with the Discard Eligibility bit set to 1.<br><br>This metric is calculated using the following formula:<br><br>100.00 * (Sum of outgoing frames with the Discard Eligibility bit set to 1/ Sum of frames transferred)<br>Percentile (90): The value below which 90% of all the samples fall. |
| FrameRelayPvcMetrics | DE Frames Out Rate (pctile95) | Transfer rate of outgoing frames with the Discard Eligibility bit set to 1.<br><br>This metric is calculated using the following formula:<br><br>100.00 * (Sum of outgoing frames with the Discard Eligibility bit set to 1/ Sum of frames transferred)<br>Percentile (95): The value below which 95% of all the samples fall. |
| FrameRelayPvcMetrics | DE Frames Out Rate (pctile99) | Transfer rate of outgoing frames with the Discard Eligibility bit set to 1.<br><br>This metric is calculated using the following formula:<br><br>100.00 * (Sum of outgoing frames with the Discard Eligibility bit set to 1/ Sum of frames transferred)<br>Percentile (99): The value below which 99% of all the samples fall. |
| FrameRelayPvcMetrics | Discards - Frames (sum) | Total number of inbound frames discarded due to any of the following reasons:<br><br>* Format errors<br><br>* Inactive Virtual Circuit (VC)<br>Summation: The total of all the values. |
| FrameRelayPvcMetrics | EIR In Utilization (avg) | Amount of uncommitted data bits that the selected VC receives over the selected time period.<br>Average: The total of all the values divided by the number of samples. |
| FrameRelayPvcMetrics | EIR In Utilization (max) | Amount of uncommitted data bits that the selected VC receives over the selected time period.<br>Maximum: The maximum, or largest, value. |
| FrameRelayPvcMetrics | EIR In Utilization (min) | Amount of uncommitted data bits that the selected VC receives over the selected time period.<br>Minimum: The minimum, or smallest, value. |
| FrameRelayPvcMetrics | EIR In Utilization | Amount of uncommitted data bits that the selected VC |

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| | (pctile05) | receives over the selected time period.<br>Percentile (05): The value below which 5% of all the samples fall. |
| FrameRelayPvcMetrics | EIR In Utilization (pctile90) | Amount of uncommitted data bits that the selected VC receives over the selected time period.<br>Percentile (90): The value below which 90% of all the samples fall. |
| FrameRelayPvcMetrics | EIR In Utilization (pctile95) | Amount of uncommitted data bits that the selected VC receives over the selected time period.<br>Percentile (95): The value below which 95% of all the samples fall. |
| FrameRelayPvcMetrics | EIR In Utilization (pctile99) | Amount of uncommitted data bits that the selected VC receives over the selected time period.<br>Percentile (99): The value below which 99% of all the samples fall. |
| FrameRelayPvcMetrics | EIR Out Utilization (avg) | Amount of uncommitted data bits that the selected VC sends over the selected time period.<br>Average: The total of all the values divided by the number of samples. |
| FrameRelayPvcMetrics | EIR Out Utilization (max) | Amount of uncommitted data bits that the selected VC sends over the selected time period.<br>Maximum: The maximum, or largest, value. |
| FrameRelayPvcMetrics | EIR Out Utilization (min) | Amount of uncommitted data bits that the selected VC sends over the selected time period.<br>Minimum: The minimum, or smallest, value. |
| FrameRelayPvcMetrics | EIR Out Utilization (pctile05) | Amount of uncommitted data bits that the selected VC sends over the selected time period.<br>Percentile (05): The value below which 5% of all the samples fall. |
| FrameRelayPvcMetrics | EIR Out Utilization (pctile90) | Amount of uncommitted data bits that the selected VC sends over the selected time period.<br>Percentile (90): The value below which 90% of all the samples fall. |
| FrameRelayPvcMetrics | EIR Out Utilization (pctile95) | Amount of uncommitted data bits that the selected VC sends over the selected time period.<br>Percentile (95): The value below which 95% of all the samples fall. |
| FrameRelayPvcMetrics | EIR Out Utilization (pctile99) | Amount of uncommitted data bits that the selected VC sends over the selected time period.<br>Percentile (99): The value below which 99% of all the samples fall. |
| FrameRelayPvcMetrics | EIR Utilization | Amount of uncommitted data bits that the selected VC |

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| | (avg) | sends and receives over the selected time period.<br>Average: The total of all the values divided by the number of samples. |
| FrameRelayPvcMetrics | EIR Utilization (max) | Amount of uncommitted data bits that the selected VC sends and receives over the selected time period.<br>Maximum: The maximum, or largest, value. |
| FrameRelayPvcMetrics | EIR Utilization (min) | Amount of uncommitted data bits that the selected VC sends and receives over the selected time period.<br>Minimum: The minimum, or smallest, value. |
| FrameRelayPvcMetrics | EIR Utilization (pctile05) | Amount of uncommitted data bits that the selected VC sends and receives over the selected time period.<br>Percentile (05): The value below which 5% of all the samples fall. |
| FrameRelayPvcMetrics | EIR Utilization (pctile90) | Amount of uncommitted data bits that the selected VC sends and receives over the selected time period.<br>Percentile (90): The value below which 90% of all the samples fall. |
| FrameRelayPvcMetrics | EIR Utilization (pctile95) | Amount of uncommitted data bits that the selected VC sends and receives over the selected time period.<br>Percentile (95): The value below which 95% of all the samples fall. |
| FrameRelayPvcMetrics | EIR Utilization (pctile99) | Amount of uncommitted data bits that the selected VC sends and receives over the selected time period.<br>Percentile (99): The value below which 99% of all the samples fall. |
| FrameRelayPvcMetrics | FECN Frames In Rate (avg) | Percentage of incoming frames (received from the network over the selected VC) indicating forward congestion.<br><br>This metric is calculated using the following formula:<br><br>100.00 * (Sum of frames indicating forward congestion / Sum of frames received)<br>Average: The total of all the values divided by the number of samples. |
| FrameRelayPvcMetrics | FECN Frames In Rate (max) | Percentage of incoming frames (received from the network over the selected VC) indicating forward congestion.<br><br>This metric is calculated using the following formula:<br><br>100.00 * (Sum of frames indicating forward congestion / Sum of frames received)<br>Maximum: The maximum, or largest, value. |
| FrameRelayPvcMetrics | FECN Frames In | Percentage of incoming frames (received from the network |

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| | Rate (min) | over the selected VC) indicating forward congestion.<br><br>This metric is calculated using the following formula:<br><br>100.00 * (Sum of frames indicating forward congestion / Sum of frames received)<br>Minimum: The minimum, or smallest, value. |
| FrameRelayPvcMetrics | FECN Frames In Rate (pctile05) | Percentage of incoming frames (received from the network over the selected VC) indicating forward congestion.<br><br>This metric is calculated using the following formula:<br><br>100.00 * (Sum of frames indicating forward congestion / Sum of frames received)<br>Percentile (05): The value below which 5% of all the samples fall. |
| FrameRelayPvcMetrics | FECN Frames In Rate (pctile90) | Percentage of incoming frames (received from the network over the selected VC) indicating forward congestion.<br><br>This metric is calculated using the following formula:<br><br>100.00 * (Sum of frames indicating forward congestion / Sum of frames received)<br>Percentile (90): The value below which 90% of all the samples fall. |
| FrameRelayPvcMetrics | FECN Frames In Rate (pctile95) | Percentage of incoming frames (received from the network over the selected VC) indicating forward congestion.<br><br>This metric is calculated using the following formula:<br><br>100.00 * (Sum of frames indicating forward congestion / Sum of frames received)<br>Percentile (95): The value below which 95% of all the samples fall. |
| FrameRelayPvcMetrics | FECN Frames In Rate (pctile99) | Percentage of incoming frames (received from the network over the selected VC) indicating forward congestion.<br><br>This metric is calculated using the following formula:<br><br>100.00 * (Sum of frames indicating forward congestion / Sum of frames received)<br>Percentile (99): The value below which 99% of all the samples fall. |
| FrameRelayPvcMetrics | FECN In - Frames (sum) | Total number of frames received from the network indicating forward congestion since the VC was created.<br>Forward congestion occurs in the following circumstances: |

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| | | When the FECN flag is set to 1 by a remote DTE<br>When a switch on the network enqueues the frame to a trunk with congested transmission queue<br>Summation: The total of all the values. |
| FrameRelayPvcMetrics | FECNPlusBECN Frames In Rate (avg) | Percentage of incoming frames (received from the network over the selected VC) indicating congestion (forward or backward).<br><br>This metric is calculated using the following formula:<br><br>100.00 * ((Sum of frames indicating forward congestion+Sum of frames indicating backward congestion) / Sum of frames received)<br>Average: The total of all the values divided by the number of samples. |
| FrameRelayPvcMetrics | FECNPlusBECN Frames In Rate (max) | Percentage of incoming frames (received from the network over the selected VC) indicating congestion (forward or backward).<br><br>This metric is calculated using the following formula:<br><br>100.00 * ((Sum of frames indicating forward congestion+Sum of frames indicating backward congestion) / Sum of frames received)<br>Maximum: The maximum, or largest, value. |
| FrameRelayPvcMetrics | FECNPlusBECN Frames In Rate (min) | Percentage of incoming frames (received from the network over the selected VC) indicating congestion (forward or backward).<br><br>This metric is calculated using the following formula:<br><br>100.00 * ((Sum of frames indicating forward congestion+Sum of frames indicating backward congestion) / Sum of frames received)<br>Minimum: The minimum, or smallest, value. |
| FrameRelayPvcMetrics | FECNPlusBECN Frames In Rate (pctile05) | Percentage of incoming frames (received from the network over the selected VC) indicating congestion (forward or backward).<br><br>This metric is calculated using the following formula:<br><br>100.00 * ((Sum of frames indicating forward congestion+Sum of frames indicating backward congestion) / Sum of frames received)<br>Percentile (05): The value below which 5% of all the samples fall. |

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| FrameRelayPvcMetrics | FECNPlusBECN Frames In Rate (pctile90) | Percentage of incoming frames (received from the network over the selected VC) indicating congestion (forward or backward).<br><br>This metric is calculated using the following formula:<br><br>100.00 * ((Sum of frames indicating forward congestion+Sum of frames indicating backward congestion) / Sum of frames received)<br>Percentile (90): The value below which 90% of all the samples fall. |
| FrameRelayPvcMetrics | FECNPlusBECN Frames In Rate (pctile95) | Percentage of incoming frames (received from the network over the selected VC) indicating congestion (forward or backward).<br><br>This metric is calculated using the following formula:<br><br>100.00 * ((Sum of frames indicating forward congestion+Sum of frames indicating backward congestion) / Sum of frames received)<br>Percentile (95): The value below which 95% of all the samples fall. |
| FrameRelayPvcMetrics | FECNPlusBECN Frames In Rate (pctile99) | Percentage of incoming frames (received from the network over the selected VC) indicating congestion (forward or backward).<br><br>This metric is calculated using the following formula:<br><br>100.00 * ((Sum of frames indicating forward congestion+Sum of frames indicating backward congestion) / Sum of frames received)<br>Percentile (99): The value below which 99% of all the samples fall. |
| FrameRelayPvcMetrics | FrameRelay Pvc CIR (bps) (countDistinct) | Count Distinct: A count of the unique, distinct, values for this topology element. |
| FrameRelayPvcMetrics | FrameRelay Pvc Circuit Committed Burst (countDistinct) | Count Distinct: A count of the unique, distinct, values for this topology element. |
| FrameRelayPvcMetrics | FrameRelay Pvc Circuit Excess Burst (countDistinct) | Count Distinct: A count of the unique, distinct, values for this topology element. |
| FrameRelayPvcMetrics | FrameRelay Pvc | Data link connector identifier of the frame relay permanent |

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| | DLCI (countDistinct) | virtual circuit.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| FrameRelayPvcMetrics | FrameRelay Pvc EIR (bps) (countDistinct) | Count Distinct: A count of the unique, distinct, values for this topology element. |
| FrameRelayPvcMetrics | FrameRelay Pvc ID (countDistinct) | Unique identifier of the frame relay permanent virtual circuit.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| FrameRelayPvcMetrics | FrameRelay Pvc Name (countDistinct) | Name of the frame relay permanent virtual circuit.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| FrameRelayPvcMetrics | FrameRelay Pvc UUID (countDistinct) | Count Distinct: A count of the unique, distinct, values for this topology element. |
| FrameRelayPvcMetrics | Frames Size - Bytes (avg) | Sum of octets in received and sent frames.<br>Average: The total of all the values divided by the number of samples. |
| FrameRelayPvcMetrics | Frames Size - Bytes (max) | Sum of octets in received and sent frames.<br>Maximum: The maximum, or largest, value. |
| FrameRelayPvcMetrics | Frames Size - Bytes (min) | Sum of octets in received and sent frames.<br>Minimum: The minimum, or smallest, value. |
| FrameRelayPvcMetrics | Frames Size - Bytes (pctile05) | Sum of octets in received and sent frames.<br>Percentile (05): The value below which 5% of all the samples fall. |
| FrameRelayPvcMetrics | Frames Size - Bytes (pctile90) | Sum of octets in received and sent frames.<br>Percentile (90): The value below which 90% of all the samples fall. |
| FrameRelayPvcMetrics | Frames Size - Bytes (pctile95) | Sum of octets in received and sent frames.<br>Percentile (95): The value below which 95% of all the samples fall. |
| FrameRelayPvcMetrics | Frames Size - Bytes (pctile99) | Sum of octets in received and sent frames.<br>Percentile (99): The value below which 99% of all the samples fall. |
| FrameRelayPvcMetrics | Frames Size - Bytes In (avg) | Sum of octets in received frames.<br>Average: The total of all the values divided by the number of samples. |
| FrameRelayPvcMetrics | Frames Size - Bytes In (max) | Sum of octets in received frames.<br>Maximum: The maximum, or largest, value. |
| FrameRelayPvcMetrics | Frames Size - | Sum of octets in received frames. |

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| | Bytes In (min) | Minimum: The minimum, or smallest, value. |
| FrameRelayPvcMetrics | Frames Size - Bytes In (pctile05) | Sum of octets in received frames.<br>Percentile (05): The value below which 5% of all the samples fall. |
| FrameRelayPvcMetrics | Frames Size - Bytes In (pctile90) | Sum of octets in received frames.<br>Percentile (90): The value below which 90% of all the samples fall. |
| FrameRelayPvcMetrics | Frames Size - Bytes In (pctile95) | Sum of octets in received frames.<br>Percentile (95): The value below which 95% of all the samples fall. |
| FrameRelayPvcMetrics | Frames Size - Bytes In (pctile99) | Sum of octets in received frames.<br>Percentile (99): The value below which 99% of all the samples fall. |
| FrameRelayPvcMetrics | Frames Size - Bytes Out (avg) | Sum of octets in sent frames.<br>Average: The total of all the values divided by the number of samples. |
| FrameRelayPvcMetrics | Frames Size - Bytes Out (max) | Sum of octets in sent frames.<br>Maximum: The maximum, or largest, value. |
| FrameRelayPvcMetrics | Frames Size - Bytes Out (min) | Sum of octets in sent frames.<br>Minimum: The minimum, or smallest, value. |
| FrameRelayPvcMetrics | Frames Size - Bytes Out (pctile05) | Sum of octets in sent frames.<br>Percentile (05): The value below which 5% of all the samples fall. |
| FrameRelayPvcMetrics | Frames Size - Bytes Out (pctile90) | Sum of octets in sent frames.<br>Percentile (90): The value below which 90% of all the samples fall. |
| FrameRelayPvcMetrics | Frames Size - Bytes Out (pctile95) | Sum of octets in sent frames.<br>Percentile (95): The value below which 95% of all the samples fall. |
| FrameRelayPvcMetrics | Frames Size - Bytes Out (pctile99) | Sum of octets in sent frames.<br>Percentile (99): The value below which 99% of all the samples fall. |
| FrameRelayPvcMetrics | Interface Alias (countDistinct) | The alias of the interface.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| FrameRelayPvcMetrics | Interface Annotation (countDistinct) | Interface annotation.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| FrameRelayPvcMetrics | Interface Descr (countDistinct) | The description of the interface.<br>Count Distinct: A count of the unique, distinct, values for |

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| | | this topology element. |
| FrameRelayPvcMetrics | Interface Index (countDistinct) | The index of the interface.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| FrameRelayPvcMetrics | Interface Name (countDistinct) | The name of the interface.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| FrameRelayPvcMetrics | Interface ODBID (countDistinct) | Do not use this attribute for filtering the report (this attribute is used internally by HP Software products).<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| FrameRelayPvcMetrics | Interface Physical Address (countDistinct) | The physical address of the interface.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| FrameRelayPvcMetrics | Interface Speed (In:Out) (countDistinct) | The speed of the interface (ifInSpeed:ifOutSpeed).<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| FrameRelayPvcMetrics | Interface Type (countDistinct) | The type of the interface.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| FrameRelayPvcMetrics | Interface UUID (countDistinct) | The UUID of the interface.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| FrameRelayPvcMetrics | Invalid Data (avg) | A device that returned invalid data (for example: the number of packets is greater than the number of octets).<br>Average: The total of all the values divided by the number of samples. |
| FrameRelayPvcMetrics | Node Annotation (countDistinct) | Node annotation.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| FrameRelayPvcMetrics | Node Contact (countDistinct) | Node contact.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| FrameRelayPvcMetrics | Node Family (countDistinct) | Family of the node that hosts the interface.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| FrameRelayPvcMetrics | Node ID (countDistinct) | Unique ID of the node that hosts the interface.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| FrameRelayPvcMetrics | Node Location | Location of the node that hosts the interface. |

| | | |
|---|---|---|
| | (countDistinct) | Count Distinct: A count of the unique, distinct, values for this topology element. |
| FrameRelayPvcMetrics | Node Name (countDistinct) | Hostname of the node that hosts the interface.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| FrameRelayPvcMetrics | Node ODBID (countDistinct) | Do not use this attribute for filtering the report (this attribute is used internally by HP Software products).<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| FrameRelayPvcMetrics | Node Short Name (countDistinct) | Short name of the node that hosts the interface.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| FrameRelayPvcMetrics | Node UUID (countDistinct) | UUID of the node that hosts the interface.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| FrameRelayPvcMetrics | Node Vendor (countDistinct) | Vendor of the node that hosts the interface.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| FrameRelayPvcMetrics | Object Name (countDistinct) | Object Name is used by most extensionPacks to identify instrumented object instance.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| FrameRelayPvcMetrics | Object Type (countDistinct) | Object Type is used by most extensionPacks to identify instrumented object type.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| FrameRelayPvcMetrics | Overall Exception Rate (avg) | Sample Exception Rate based on any thresholded or baselined measure.<br>Threshold Exception Rate: The number of samples which were in an exception state for threshold breaches, expressed as a percentage of the total number of samples. An indication of how frequently the value goes beyond threshold ranges. |
| FrameRelayPvcMetrics | Period Length (secs) (sum) | Summation: The total of all the values. |
| FrameRelayPvcMetrics | Qualified FrameRelay Pvc Name (countDistinct) | Fully qualified domain name of the frame relay permanent virtual circuit.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| FrameRelayPvcMetrics | Qualified Interface Name (countDistinct) | The fully qualified domain name of the interface.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |

| | | |
|---|---|---|
| FrameRelayPvcMetrics | Reboot (avg) | A device that is unable to perform the counter delta calculation due to a system restart.<br><br>The sysUptime value can indicate if the device was restarted.<br>Average: The total of all the values divided by the number of samples. |
| FrameRelayPvcMetrics | SNMP Response Time (msecs) (avg) | The time it takes the VC to respond to an SNMP request from NNMi.<br>Average: The total of all the values divided by the number of samples. |
| FrameRelayPvcMetrics | SNMP Response Time (msecs) (max) | The time it takes the VC to respond to an SNMP request from NNMi.<br>Maximum: The maximum, or largest, value. |
| FrameRelayPvcMetrics | SNMP Response Time (msecs) (min) | The time it takes the VC to respond to an SNMP request from NNMi.<br>Minimum: The minimum, or smallest, value. |
| FrameRelayPvcMetrics | SNMP Response Time (msecs) (pctile05) | The time it takes the VC to respond to an SNMP request from NNMi.<br>Percentile (05): The value below which 5% of all the samples fall. |
| FrameRelayPvcMetrics | SNMP Response Time (msecs) (pctile90) | The time it takes the VC to respond to an SNMP request from NNMi.<br>Percentile (90): The value below which 90% of all the samples fall. |
| FrameRelayPvcMetrics | SNMP Response Time (msecs) (pctile95) | The time it takes the VC to respond to an SNMP request from NNMi.<br>Percentile (95): The value below which 95% of all the samples fall. |
| FrameRelayPvcMetrics | SNMP Response Time (msecs) (pctile99) | The time it takes the VC to respond to an SNMP request from NNMi.<br>Percentile (99): The value below which 99% of all the samples fall. |
| FrameRelayPvcMetrics | Sample Count (sum) | Sample Count: The total number of collected samples. |
| FrameRelayPvcMetrics | SecGroup Name (countDistinct) | Name of the security group where the interface belongs.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| FrameRelayPvcMetrics | SecGroup UUID (countDistinct) | UUID of the security group where the interface belongs.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| FrameRelayPvcMetrics | Target Error (avg) | A device that returned an authentication error. |

| | | |
|---|---|---|
| | | Average: The total of all the values divided by the number of samples. |
| FrameRelayPvcMetrics | Tenant Name (countDistinct) | Name of the tenant group where the interface belongs.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| FrameRelayPvcMetrics | Tenant UUID (countDistinct) | UUID of the tenant group where the interface belongs.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| FrameRelayPvcMetrics | Threshold Exception Rate (avg) | Sample Threshold Exception Rate based on any thresholded measure.<br>Threshold Exception Rate: The number of samples which were in an exception state for threshold breaches, expressed as a percentage of the total number of samples. An indication of how frequently the value goes beyond threshold ranges. |
| FrameRelayPvcMetrics | Unresponsive Target (avg) | A device on which the SNMP agent did not respond when NNMi tried to metrics for a particular polling policy.<br>Average: The total of all the values divided by the number of samples. |
| FrameRelayPvcMetrics | Volume - Bytes (sum) | Total number of octets received and sent over the selected virtual circuit.<br>Summation: The total of all the values. |
| FrameRelayPvcMetrics | Volume - Bytes In (sum) | Total number of octets received over the selected virtual circuit.<br>Summation: The total of all the values. |
| FrameRelayPvcMetrics | Volume - Bytes Out (sum) | Total number of octets sent over the selected virtual circuit.<br>Summation: The total of all the values. |
| FrameRelayPvcMetrics | Volume - DE Frames (sum) | Total number of frames received and sent that are eligible for discard.<br>Summation: The total of all the values. |
| FrameRelayPvcMetrics | Volume - DE Frames In (sum) | Total number of frames received that are eligible for discard.<br>Summation: The total of all the values. |
| FrameRelayPvcMetrics | Volume - DE Frames Out (sum) | Total number of frames sent that are eligible for discard.<br>Summation: The total of all the values. |
| FrameRelayPvcMetrics | Volume - Frames (sum) | Total number of frames received and sent over the selected virtual circuit.<br>Summation: The total of all the values. |
| FrameRelayPvcMetrics | Volume - Frames In (sum) | Total number of frames received over the selected virtual circuit.<br>Summation: The total of all the values. |

| | | |
|---|---|---|
| FrameRelayPvcMetrics | Volume - Frames Out (sum) | Total number of frames sent over the selected virtual circuit.<br>Summation: The total of all the values. |
| FrameRelayPvcMetrics | Volume - NonDE Frames (sum) | Total number of frames received and sent that are not eligible for discard.<br>Summation: The total of all the values. |
| FrameRelayPvcMetrics | Volume - NonDE Frames In (sum) | Total number of frames received that are not eligible for discard.<br>Summation: The total of all the values. |
| FrameRelayPvcMetrics | Volume - NonDE Frames Out (sum) | Total number of frames sent that are not eligible for discard.<br>Summation: The total of all the values. |

# Dictionary for PerfSPI_Diagnostics

## Topology

| | | |
|---|---|---|
| DiagnosticMetrics | ExtensionPack | Name of the Extension Pack. |
| DiagnosticMetrics | Server Hostname | Hostname of the NPS system. |
| DiagnosticMetrics | Task Category | Category of the task. |
| DiagnosticMetrics | Task Name | Name of the task. |
| DiagnosticMetrics | Task Type | Type of the task. |

## Metrics

| | | |
|---|---|---|
| DiagnosticMetrics | Available DiskSpace (Gb) (avg) | Available disk space in $NPSDataDir, on the server<br>Average: The total of all the values divided by the number of samples. |
| DiagnosticMetrics | Available DiskSpace (Gb) (max) | Available disk space in $NPSDataDir, on the server<br>Maximum: The maximum, or largest, value. |
| DiagnosticMetrics | Available DiskSpace (Gb) (min) | Available disk space in $NPSDataDir, on the server<br>Minimum: The minimum, or smallest, value. |
| DiagnosticMetrics | Available DiskSpace (Gb) (pctile05) | Available disk space in $NPSDataDir, on the server<br>Percentile (05): The value below which 5% of all the samples fall. |
| DiagnosticMetrics | Available DiskSpace (Gb) | Available disk space in $NPSDataDir, on the server<br>Percentile (90): The value below which 90% of all the samples fall. |

| | | |
|---|---|---|
| | (pctile90) | |
| DiagnosticMetrics | Available DiskSpace (Gb) (pctile95) | Available disk space in $NPSDataDir, on the server<br>Percentile (95): The value below which 95% of all the samples fall. |
| DiagnosticMetrics | Available DiskSpace (Gb) (pctile99) | Available disk space in $NPSDataDir, on the server<br>Percentile (99): The value below which 99% of all the samples fall. |
| DiagnosticMetrics | Available System Memory (Gb) (avg) | Available memory on the server<br>Average: The total of all the values divided by the number of samples. |
| DiagnosticMetrics | Available System Memory (Gb) (max) | Available memory on the server<br>Maximum: The maximum, or largest, value. |
| DiagnosticMetrics | Available System Memory (Gb) (min) | Available memory on the server<br>Minimum: The minimum, or smallest, value. |
| DiagnosticMetrics | Available System Memory (Gb) (pctile05) | Available memory on the server<br>Percentile (05): The value below which 5% of all the samples fall. |
| DiagnosticMetrics | Available System Memory (Gb) (pctile90) | Available memory on the server<br>Percentile (90): The value below which 90% of all the samples fall. |
| DiagnosticMetrics | Available System Memory (Gb) (pctile95) | Available memory on the server<br>Percentile (95): The value below which 95% of all the samples fall. |
| DiagnosticMetrics | Available System Memory (Gb) (pctile99) | Available memory on the server<br>Percentile (99): The value below which 99% of all the samples fall. |
| DiagnosticMetrics | Backlogged Metric Files (avg) | Number of incoming metrics files waiting to be processed by NPS ETL.<br>Average: The total of all the values divided by the number of samples. |
| DiagnosticMetrics | Backlogged Metric Files (max) | Number of incoming metrics files waiting to be processed by NPS ETL.<br>Maximum: The maximum, or largest, value. |
| DiagnosticMetrics | Backlogged Metric Files (min) | Number of incoming metrics files waiting to be processed by NPS ETL.<br>Minimum: The minimum, or smallest, value. |
| DiagnosticMetrics | Backlogged Metric Files | Number of incoming metrics files waiting to be processed by NPS ETL. |

| | | |
|---|---|---|
| | (pctile05) | Percentile (05): The value below which 5% of all the samples fall. |
| DiagnosticMetrics | Backlogged Metric Files (pctile90) | Number of incoming metrics files waiting to be processed by NPS ETL.<br>Percentile (90): The value below which 90% of all the samples fall. |
| DiagnosticMetrics | Backlogged Metric Files (pctile95) | Number of incoming metrics files waiting to be processed by NPS ETL.<br>Percentile (95): The value below which 95% of all the samples fall. |
| DiagnosticMetrics | Backlogged Metric Files (pctile99) | Number of incoming metrics files waiting to be processed by NPS ETL.<br>Percentile (99): The value below which 99% of all the samples fall. |
| DiagnosticMetrics | Baseline Exception Rate (avg) | Sample Baseline Exception Rate based on any baselined measure.<br>Baseline Exception Rate: The number of samples which were in an exception state for baseline breaches, expressed as a percentage of the total number of samples. An indication of how frequently the value goes beyond the normal range. |
| DiagnosticMetrics | Content Store Size (Free) (Gb) (avg) | Allocated database space not used, on the BI content store.<br>Average: The total of all the values divided by the number of samples. |
| DiagnosticMetrics | Content Store Size (Free) (Gb) (max) | Allocated database space not used, on the BI content store.<br>Maximum: The maximum, or largest, value. |
| DiagnosticMetrics | Content Store Size (Free) (Gb) (min) | Allocated database space not used, on the BI content store.<br>Minimum: The minimum, or smallest, value. |
| DiagnosticMetrics | Content Store Size (Free) (Gb) (pctile05) | Allocated database space not used, on the BI content store.<br>Percentile (05): The value below which 5% of all the samples fall. |
| DiagnosticMetrics | Content Store Size (Free) (Gb) (pctile90) | Allocated database space not used, on the BI content store.<br>Percentile (90): The value below which 90% of all the samples fall. |
| DiagnosticMetrics | Content Store Size (Free) (Gb) (pctile95) | Allocated database space not used, on the BI content store.<br>Percentile (95): The value below which 95% of all the samples fall. |
| DiagnosticMetrics | Content Store Size (Free) (Gb) (pctile99) | Allocated database space not used, on the BI content store.<br>Percentile (99): The value below which 99% of all the samples fall. |
| DiagnosticMetrics | Content Store Size (Used) (Gb) (avg) | Allocated database space used, by the BI content store.<br>Average: The total of all the values divided by the number of samples. |
| DiagnosticMetrics | Content Store | Allocated database space used, by the BI content store. |

| | | |
|---|---|---|
| | Size (Used) (Gb) (max) | Maximum: The maximum, or largest, value. |
| DiagnosticMetrics | Content Store Size (Used) (Gb) (min) | Allocated database space used, by the BI content store.<br>Minimum: The minimum, or smallest, value. |
| DiagnosticMetrics | Content Store Size (Used) (Gb) (pctile05) | Allocated database space used, by the BI content store.<br>Percentile (05): The value below which 5% of all the samples fall. |
| DiagnosticMetrics | Content Store Size (Used) (Gb) (pctile90) | Allocated database space used, by the BI content store.<br>Percentile (90): The value below which 90% of all the samples fall. |
| DiagnosticMetrics | Content Store Size (Used) (Gb) (pctile95) | Allocated database space used, by the BI content store.<br>Percentile (95): The value below which 95% of all the samples fall. |
| DiagnosticMetrics | Content Store Size (Used) (Gb) (pctile99) | Allocated database space used, by the BI content store.<br>Percentile (99): The value below which 99% of all the samples fall. |
| DiagnosticMetrics | Database Size (Free) (Gb) (avg) | Allocated database space not used, on the primary NPS database.<br>Average: The total of all the values divided by the number of samples. |
| DiagnosticMetrics | Database Size (Free) (Gb) (max) | Allocated database space not used, on the primary NPS database.<br>Maximum: The maximum, or largest, value. |
| DiagnosticMetrics | Database Size (Free) (Gb) (min) | Allocated database space not used, on the primary NPS database.<br>Minimum: The minimum, or smallest, value. |
| DiagnosticMetrics | Database Size (Free) (Gb) (pctile05) | Allocated database space not used, on the primary NPS database.<br>Percentile (05): The value below which 5% of all the samples fall. |
| DiagnosticMetrics | Database Size (Free) (Gb) (pctile90) | Allocated database space not used, on the primary NPS database.<br>Percentile (90): The value below which 90% of all the samples fall. |
| DiagnosticMetrics | Database Size (Free) (Gb) (pctile95) | Allocated database space not used, on the primary NPS database.<br>Percentile (95): The value below which 95% of all the samples fall. |
| DiagnosticMetrics | Database Size (Free) (Gb) (pctile99) | Allocated database space not used, on the primary NPS database.<br>Percentile (99): The value below which 99% of all the samples fall. |
| DiagnosticMetrics | Database Size (Reserved) (Gb) (avg) | Unallocated space reserved for automatic allocation to the primary NPS database.<br>Average: The total of all the values divided by the number of |

| | | |
|---|---|---|
| | | samples. |
| DiagnosticMetrics | Database Size (Reserved) (Gb) (max) | Unallocated space reserved for automatic allocation to the primary NPS database.<br>Maximum: The maximum, or largest, value. |
| DiagnosticMetrics | Database Size (Reserved) (Gb) (min) | Unallocated space reserved for automatic allocation to the primary NPS database.<br>Minimum: The minimum, or smallest, value. |
| DiagnosticMetrics | Database Size (Reserved) (Gb) (pctile05) | Unallocated space reserved for automatic allocation to the primary NPS database.<br>Percentile (05): The value below which 5% of all the samples fall. |
| DiagnosticMetrics | Database Size (Reserved) (Gb) (pctile90) | Unallocated space reserved for automatic allocation to the primary NPS database.<br>Percentile (90): The value below which 90% of all the samples fall. |
| DiagnosticMetrics | Database Size (Reserved) (Gb) (pctile95) | Unallocated space reserved for automatic allocation to the primary NPS database.<br>Percentile (95): The value below which 95% of all the samples fall. |
| DiagnosticMetrics | Database Size (Reserved) (Gb) (pctile99) | Unallocated space reserved for automatic allocation to the primary NPS database.<br>Percentile (99): The value below which 99% of all the samples fall. |
| DiagnosticMetrics | Database Size (Used) (Gb) (avg) | Allocated database space used, by the primary NPS database.<br>Average: The total of all the values divided by the number of samples. |
| DiagnosticMetrics | Database Size (Used) (Gb) (max) | Allocated database space used, by the primary NPS database.<br>Maximum: The maximum, or largest, value. |
| DiagnosticMetrics | Database Size (Used) (Gb) (min) | Allocated database space used, by the primary NPS database.<br>Minimum: The minimum, or smallest, value. |
| DiagnosticMetrics | Database Size (Used) (Gb) (pctile05) | Allocated database space used, by the primary NPS database.<br>Percentile (05): The value below which 5% of all the samples fall. |
| DiagnosticMetrics | Database Size (Used) (Gb) (pctile90) | Allocated database space used, by the primary NPS database.<br>Percentile (90): The value below which 90% of all the samples fall. |
| DiagnosticMetrics | Database Size (Used) (Gb) (pctile95) | Allocated database space used, by the primary NPS database.<br>Percentile (95): The value below which 95% of all the samples fall. |
| DiagnosticMetrics | Database Size (Used) (Gb) (pctile99) | Allocated database space used, by the primary NPS database.<br>Percentile (99): The value below which 99% of all the samples fall. |

| | | |
|---|---|---|
| DiagnosticMetrics | ExtensionPack (countDistinct) | Name of the Extension Pack.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| DiagnosticMetrics | Number of Rows (sum) | Number of rows of data processed (where applicable to task).<br>Summation: The total of all the values. |
| DiagnosticMetrics | Overall Days To Threshold (min) | Lowest Days To Threshold for any forecasted measure.<br>Baseline Days To Threshold: The number of days before the normal, average value reaches the threshold. |
| DiagnosticMetrics | Overall Exception Rate (avg) | Sample Exception Rate based on any thresholded or baselined measure.<br>Threshold Exception Rate: The number of samples which were in an exception state for threshold breaches, expressed as a percentage of the total number of samples. An indication of how frequently the value goes beyond threshold ranges. |
| DiagnosticMetrics | Process Time (secs) (avg) | Time in seconds for process to complete.<br>Average: The total of all the values divided by the number of samples. |
| DiagnosticMetrics | Process Time (secs) (max) | Time in seconds for process to complete.<br>Maximum: The maximum, or largest, value. |
| DiagnosticMetrics | Process Time (secs) (min) | Time in seconds for process to complete.<br>Minimum: The minimum, or smallest, value. |
| DiagnosticMetrics | Process Time (secs) (pctile05) | Time in seconds for process to complete.<br>Percentile (05): The value below which 5% of all the samples fall. |
| DiagnosticMetrics | Process Time (secs) (pctile90) | Time in seconds for process to complete.<br>Percentile (90): The value below which 90% of all the samples fall. |
| DiagnosticMetrics | Process Time (secs) (pctile95) | Time in seconds for process to complete.<br>Percentile (95): The value below which 95% of all the samples fall. |
| DiagnosticMetrics | Process Time (secs) (pctile99) | Time in seconds for process to complete.<br>Percentile (99): The value below which 99% of all the samples fall. |
| DiagnosticMetrics | Process Time (secs) - Baseline Average (avg) | Time in seconds for process to complete.<br>Baseline average: The normal, average value for this metric. |
| DiagnosticMetrics | Process Time (secs) - Baseline Deviation (avg) | Time in seconds for process to complete.<br>Baseline Deviation: The size of one statistical deviation from the normal, average value. An indication of how widely spread the sampled values are. |
| DiagnosticMetrics | Process Time (secs) - Baseline | Time in seconds for process to complete.<br>Baseline Exception Count: The number of samples which were in an exception state due to baseline breaches. |

| | | |
|---|---|---|
| | Exception Count (sum) | |
| DiagnosticMetrics | Process Time (secs) - Baseline Exception Rate (avg) | Time in seconds for process to complete.<br>Baseline Exception Rate: The number of samples which were in an exception state for baseline breaches, expressed as a percentage of the total number of samples. An indication of how frequently the value goes beyond the normal range. |
| DiagnosticMetrics | Process Time (secs) - Days To Threshold (min) | Time in seconds for process to complete.<br>Baseline Days To Threshold: The number of days before the normal, average value reaches the threshold. |
| DiagnosticMetrics | Process Time (secs) - Forecast Baseline (12 week) (avg) | Time in seconds for process to complete.<br>Forecast Baseline (12): The predicted baseline average value 12 weeks from now. |
| DiagnosticMetrics | Process Time (secs) - Forecast Baseline (4 week) (avg) | Time in seconds for process to complete.<br>Forecast Baseline (4): The predicted baseline average value 4 weeks from now. |
| DiagnosticMetrics | Process Time (secs) - Forecast Baseline (8 week) (avg) | Time in seconds for process to complete.<br>Forecast Baseline (8): The predicted baseline average value 8 weeks from now. |
| DiagnosticMetrics | Process Time (secs) - Forecast Lower Normal (12 week) (min) | Time in seconds for process to complete.<br>Forecast Lower Normal (12): The predicted lower normal value 12 weeks from now. |
| DiagnosticMetrics | Process Time (secs) - Forecast Lower Normal (4 week) (min) | Time in seconds for process to complete.<br>Forecast Lower Normal (4): The predicted lower normal value 4 weeks from now. |
| DiagnosticMetrics | Process Time (secs) - Forecast Lower Normal (8 week) (min) | Time in seconds for process to complete.<br>Forecast Lower Normal (8): The predicted lower normal value 8 weeks from now. |
| DiagnosticMetrics | Process Time (secs) - Forecast Upper | Time in seconds for process to complete.<br>Forecast Upper Normal (12): The predicted upper normal value 12 weeks from now. |

| | | |
|---|---|---|
| | Normal (12 week) (max) | |
| DiagnosticMetrics | Process Time (secs) - Forecast Upper Normal (4 week) (max) | Time in seconds for process to complete.<br>Forecast Upper Normal (4): The predicted upper normal value 4 weeks from now. |
| DiagnosticMetrics | Process Time (secs) - Forecast Upper Normal (8 week) (max) | Time in seconds for process to complete.<br>Forecast Upper Normal (8): The predicted upper normal value 8 weeks from now. |
| DiagnosticMetrics | Process Time (secs) - Lower Normal (min) | Time in seconds for process to complete.<br>Baseline Lower Normal: The lower normal for this metric based upon historical data. An indication of the lowest typical value. |
| DiagnosticMetrics | Process Time (secs) - Slope (avg) | Time in seconds for process to complete.<br>Baseline Slope: The slope (delta_x / delta_y) of the baseline values. An indication of how rapidly the value is changing. |
| DiagnosticMetrics | Process Time (secs) - Upper Normal (max) | Time in seconds for process to complete.<br>Baseline Upper Normal: The upper normal for this metric based upon historical data. An indication of the highest typical value. |
| DiagnosticMetrics | Sample Count (sum) | Sample Count: The total number of collected samples. |
| DiagnosticMetrics | Server Hostname (countDistinct) | Hostname of the NPS system.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| DiagnosticMetrics | Task Category (countDistinct) | Category of the task.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| DiagnosticMetrics | Task Name (countDistinct) | Name of the task.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |
| DiagnosticMetrics | Task Type (countDistinct) | Type of the task.<br>Count Distinct: A count of the unique, distinct, values for this topology element. |

# Send Documentation Feedback

If you have comments about this document, you can contact the documentation team by email. If an email client is configured on this system, click the link above and an email window opens with the following information in the subject line:

**Feedback on Dictionary of Metrics (NNM iSPI Performance for Metrics 10.20)**

Just add your feedback to the email and click send.

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