Hewlett Packard Enterprise

HPE Network Node Manager i Software

Software Version: 10.30
for the Windows® and Linux® operating systems

HPE Network Node Manager i-HPE RAMS Integration Guide

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The title page of this document contains the following identifying information:

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Integrating NNMi with HPE RAMS

The NNMi– HPE Route Analytics Management System (HPE RAMS) integration provides features for accessing RAMS traps, MPLS WAN, and enhanced Path View information from the NNMi console.

Value

The NNMi–HPE RAMS integration adds the feature to view the connectivity through different network clouds and enhanced Path Views, so that NNMi users can detect and view the multiple sites.

Integrated Products

The information in this chapter applies to the following products:

- HPE RAMS (For the list of supported versions, see the NNMi Support Matrix.)
- NNMi 10.20 with an NNMi Advanced license

For information about the NNMi supported hardware platforms and operating systems, see the NNMi Support Matrix.

Documentation

The NNMi–HPE RAMS integration is fully described in Using Route Analytics Management Systems (RAMS) with NNMi Advanced in the NNMi help.

Using the NNMi-HPE RAMS Integration

The steps to enable the NNMi–HPE RAMS integration take place on the NNMi management server.

For information about enabling, using, disabling, and troubleshooting the NNMi–HPE RAMSintegration, see Using Route Analytics Management Systems (RAMS) with NNMi Advanced in the NNMi help.

NNMi-HPE RAMS Traps Integration

NNMi-HPE RAMS traps integration can be divided into Custom Correlation Configuration and Forwarding Traps.

For information about Custom Correlation Configuration, see Configure Custom Correlations in the NNMi help.

For information about Forwarding Traps, see Alerts in the RAMS User Guide.

NNMi-HPE RAMS Path View

After you configure the NNMi- HPE RAMS integration, NNMi calculates the Path View using RAMS data.

RAMS data enhances the ability to trace the route path between the source and destination node in the following ways:

HPE NNMi-HPE RAMS integration does not use SNMP to calculate the router path. This means that NNMi does not need to wait for SNMP responses and can calculate the Path View more quickly.

NNMi-HPE RAMS integration Path View provides extended path visualization such as equal cost multi-path visualization.

See *HPE RAMS MPLS WAN Configuration (NNMi Advanced)* in the NNMi help for information about configuring RAMS.

See *Enhanced Path View* and *Using Route Analytics Management Systems (RAMS) with NNMi Advanced* in the NNMi help for more information about Path View.

NNMi-HPE RAMS MPLS WAN

After you configure the NNMi- RAMS integration, NNMi provides the following additional information:

The MPLS WAN Clouds (RAMS) table view is added to the Inventory workspace. Information displayed in the MPLS WAN Clouds (RAMS) view includes the name and Autonomous System Number assigned to the MPLS Cloud as well as the number of Customer Edge (CE) routers associated with the MPLS WAN Cloud.

This information is also provided on each MPLS WAN Cloud (RAMS) form.

See *MPLS WAN Connections - RAMS (Inventory) (NNMi Advanced)* and *MPLS WAN Cloud Form (NNMi Advanced)* in the NNMi help for more information.

A new NNMi map, the MPLS WAN Cloud Map view, is available from the Actions menu for participating objects. The MPLS WAN Cloud Map view displays a graphical representation the Layer 3 connectivity in your network, as well as any Customer Edge and Provider Edge devices. See *MPLS WAN Cloud Map* in the NNMi help for more information.

See *HP RAMS MPLS WAN Configuration (NNMi Advanced)* in the NNMi help for information about configuring RAMS.

For more information on MPLS WAN, see the HPE Route Analytics Management Software (RAMS) for MPLS WAN User's Guide, which is available at: https://softwaresupport.hpe.com/

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