HP Network Node Manager i Software

For the Windows® and Linux® operating systems

Software Version: NNMi 10.10

HP Network Node Manager i Software—NetScout Systems nGenius Performance Manager Integration Guide

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Available Product Documentation

For a complete list of the documentation that is available for NNMi, see the *HP Network Node Manager i Software Documentation List*. This document is available on the HP manuals web site. Use this file to track additions to and revisions within the NNMi documentation set for this version of NNMi. Click a link to access a document on the HP manuals web site.

Also available on the HP manuals web site are `.zip` files of the complete documentation set for NNMi, NNMi Premium, and NNMi Ultimate. Access these documentation packages from the *HP Network Node Manager i Software Documentation List* or directly from the HP manuals web site.

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HP Software Solutions Now accesses the HPSW Solution and Integration Portal Web site. This site enables you to explore HP Product Solutions to meet your business needs, includes a full list of Integrations between HP Products, as well as a listing of ITIL Processes. The URL for this web site is:

http://h20230.www2.hp.com/sc/solutions/index.jsp

Contents

NetScout Systems nGenius Performance Manager

NetScout Systems nGenius Performance Manager provides visibility into complex networks for the following purposes:

- Application recognition and monitoring

- Analysis and troubleshooting of packets and flows

- Response time analysis

- Reporting and capacity planning

- Convergence management

- Alarming and event identification

NetScout Systems nGenius Performance Manager leverages deep packet inspection and flow-based technologies to deliver visibility into real-time, operational intelligence that spans several types of data:

- High-level key performance indicators (KPIs), such as response time, errors, or jitter

- Application flow data, such as utilization, conversations, or top talkers

- Packet-level analysis, such as decodes and bounce diagrams

NetScout Systems nGenius Performance Manager collects performance data from a wide variety of network data sources, allowing it to monitor the usage patterns of all network infrastructures, topologies, and applications. NetScout Systems nGenius Performance Manager then presents the results in a collection of real-time and historical views and reports that can show the following information:

- Application performance

- Users and abusers of network resources

- Resource consumption of network capacity

For information about purchasing NetScout Systems nGenius Performance Manager, contact your HP sales representative.

This chapter contains the following topics:

HP NNMi–NetScout Systems nGenius Performance Manager Integration

By including NetScout Systems nGenius Performance Manager in the HP Network Node Manager i Software (HP NNMi) environment, network administrators who use HP NNMi to monitor and manage their network devices gain application-level visibility through NetScout Systems nGenius Performance Manager devices.

The HP NNMi–NetScout Systems nGenius Performance Manager integration provides the following functionality:

- Receive nGenius Performance Manager server and probe alarms in the NNMi incident views.

- Investigate the cause of an incident by launching contextual views into NetScout Systems nGenius Performance Manager.

- Display nGenius Probes or InfiniStream appliances with a NetScout icon in NNMi map views.

- Launch nGenius Performance Manager QuickViews from the NNMi console.

- Launch the NetScout Systems nGenius Performance Manager application from the NNMi console.

- Launch NNMi Layer 2 and Layer 3 Neighbor views for the nGenius Performance Manager incidents that are available in the NNMi incident views.

- Launch the NNMi Path View map for nGenius Performance Manager incidents that are available in the NNMi incident views.

- Forward Clear Trap alarms to HP NNMi for each alarm generated by NetScout Systems nGenius Performance Manager.

Value

The HP NNMi–NetScout Systems nGenius Performance Manager integration provides the following benefits:

- Reduces the cost of delivering maximum network availability.

- Consolidates the network management infrastructure in a single console.

- Increases staff productivity and efficiency with integrated fault and application-aware performance data.

- Shrinks MTTR with contextual drill down to flow and packet-level details to identify the performance problems.

Integrated Products

The information in this chapter applies to the following products:

- NetScout Systems nGenius Performance Managerr

  For the list of supported versions, see the *NNMi System and Device Support Matrix*.

- NetScout Systems nGenius Service Delivery Manager version shipped with NetScout Systems nGenius Performance Manager
- CDM Agent Firmware
- nGenius Probe or InfiniStream appliance
- NNMi 10.10

HP NNMi and nGenius Performance Manager Server must be installed on separate computers. The NNMi management server and the nGenius Performance Manager Server computer can be of the same or different operating systems.

Documentation

The HP NNMi–NetScout Systems nGenius Performance Manager integration is fully described in the following document:

> *Integrating nGenius Performance Manager with HP Network Node Manager i Software* (NetScout part number 733-0194 Rev. A, available from **http://www.netscout.com**)

Enabling the HP NNMi–NetScout Systems nGenius Performance Manager Integration

The nGenius Performance Manager Integration utility for HP Network Node Manager installation file is available in the following location on the nGenius Performance Manager server:

- *Windows*: `%nGenius Install%\rtm\bin\nGeniusNNM8.zip`
- *Linux*: `$nGenius Install/rtm/bin/nGeniusNNM8.zip`

As a user with administrative or root privileges, install the integration utility on the NNMi management server. The utility imports all NNMi integration-related configuration data for the nGenius Server into HP NNMi.

The high-level steps for installing the nGenius Performance Manager Integration utility are as follows. For detailed information, see *Integrating nGenius Performance Manager with HP Network Node Manager i Software*.

1   Extract the installation files and configure HP NNMi support within NetScout Systems nGenius Performance Manager.

2   Configure NetScout incidents (alarms) in HP NNMi.

3   Configure the nGenius Probe to send SNMP traps to port 395.

4   *Optional*. Configure Probe Router Mapping.

Using the HP NNMi–nGenius Performance Manager Integration

For information about using the HP NNMi–NetScout Systems nGenius Performance Manager integration, see *Integrating nGenius Performance Manager with HP Network Node Manager i Software*.

Disabling the HP NNMi–nGenius Performance Manager Integration

For information about disabling the HP NNMi–NetScout Systems nGenius Performance Manager integration, see *Integrating nGenius Performance Manager with HP Network Node Manager i Software*.

Troubleshooting the HP NNMi–NetScout Systems nGenius Performance Manager Integration

For information about troubleshooting the HP NNMi–nGenius Performance Manager integration, contact NetScout Systems Customer Support. Contact information is available at:

https://my.netscout.com/pages/mcplanding.aspx

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Product name and version: NNMi 10.10

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