



Hewlett Packard
Enterprise

HPE Network Node Manager i Software

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for the Windows® and Linux® operating systems

NetScout Systems nGenius Performance Manager Integration Guide

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Integrate NNMi with 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

HPE NNMi-NetScout Systems nGenius Performance Manager Integration

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

The HPE 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 HPE NNMi for each alarm generated by NetScout Systems nGenius Performance Manager.

Value

The HPE 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 Manager (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

HPE 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.

Enabling the HPE NNMi–NetScout Systems nGenius Performance Manager Integration

The nGenius Performance Manager Integration utility for NNMi 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 HPE NNMi.

The high-level steps for installing the nGenius Performance Manager Integration utility are as follows.

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

2. Configure NetScout incidents (alarms) in HPE NNMi.
3. Configure the nGenius Probe to send SNMP traps to port 395.
4. *Optional.* Configure Probe Router Mapping.

Using the HPE NNMi-nGenius Performance Manager Integration

For information about using the HPE NNMi–NetScout Systems nGenius Performance Manager integration, see [Integrating nGenius Performance Manager with HP Network Node Manager i Software](#).

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