

# HP Network Node Manager i Software

For the Windows<sup>®</sup>, HP-UX, Linux, and Solaris operating systems

Software Version: NNMi 9.20

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## HP Network Node Manager i Software—Clarus Systems ClarusIPC Plus+ Integration Guide

Document Release Date: May 2012  
Software Release Date: May 2012



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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 Indiana University Extreme! Lab.  
(<http://www.extreme.indiana.edu>)

## Available Product Documentation

In addition to this guide, the following documentation is available for NNMi:

- *HP Network Node Manager i Software Documentation List*—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.
- *NNMi Installation Guide*—This is an interactive document, and is available on the NNMI 9.20 product media. See the `nnmi_interactive_installation_en_README.txt` file, located on the product media, for more information.
- *HP Network Node Manager i Software Upgrade Reference*—Available on the HP manuals web site.
- *HP Network Node Manager i Software Release Notes*—Available on the product media and the NNMi management server.
- *HP Network Node Manager i Software System and Device Support Matrix*—Available on the product media and the NNMi management server.
- *HP Network Node Manager iSPI Network Engineering Toolset Planning and Installation Guide*—Available on the NNM iSPI NET diagnostics server product media.

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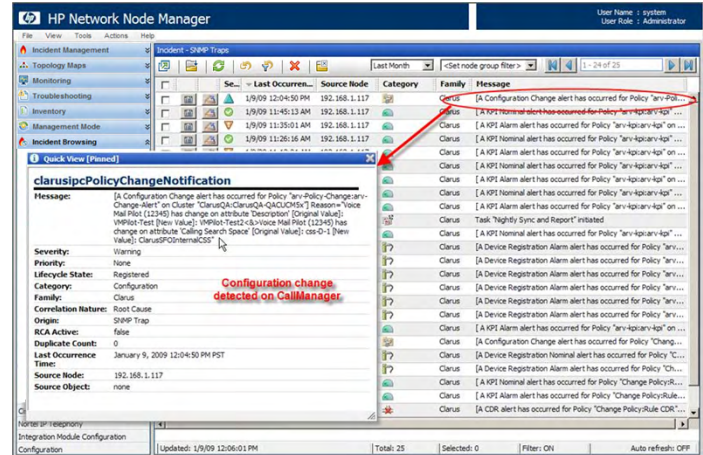


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# Clarus Systems ClarusIPC Plus<sup>+</sup>



Clarus Systems ClarusIPC Plus+ provides voice service testing; remote diagnostics of IP phone features; call detail record (CDR) based alerting and tracking; and reporting of configurations for Cisco Unified Communications Manager IP telephony systems during new deployments, upgrades, and ongoing operations.

Clarus Systems offers an integration of Clarus Systems ClarusIPC Plus+ with HP Network Node Manager i Software (HP NNMi).

HP offers an integration of Clarus Systems ClarusIPC Plus+ with the NNM iSPI for IP Telephony. These integrations are mutually exclusive.

This chapter describes the available integrations:

- [HP NNMi–Clarus Systems ClarusIPC Plus+ Integration](#)
- [HP NNM iSPI for IP Telephony–Clarus Systems ClarusIPC Plus+ Integration](#)

## HP NNMi–Clarus Systems ClarusIPC Plus+ Integration

This section contains the following topics:

- [About the HP NNMi–Clarus Systems ClarusIPC Plus+ Integration on page 7](#)
- [Enabling the HP NNMi–Clarus Systems ClarusIPC Plus+ Integration on page 8](#)
- [Using the HP NNMi–Clarus Systems ClarusIPC Plus+ Integration on page 8](#)
- [Disabling the HP NNMi–Clarus Systems ClarusIPC Plus+ Integration on page 9](#)
- [Troubleshooting the HP NNMi–Clarus Systems ClarusIPC Plus+ Integration on page 9](#)

### About the HP NNMi–Clarus Systems ClarusIPC Plus+ Integration

Clarus Systems provides and supports the HP NNMi–Clarus Systems ClarusIPC Plus+ integration. In this integration, Clarus Systems ClarusIPC Plus+ forwards SNMP traps regarding IP telephony service test results, alerts based on set CDR policies, or alerts based on the Unified Communications Manager Configuration

change policies to HP NNMi, which then generates incidents regarding the status of the IP telephony configuration and devices. HP NNMi provides a consolidated view of the entire network.

The integration provides for accessing several Clarus Systems ClarusIPC Plus+ tools from these incidents in the NNMi console.

## Value

The HP NNMi–Clarus Systems ClarusIPC Plus+ integration consolidates IP telephony device management by providing access from the NNMi console to the Clarus Systems ClarusIPC Plus+ tools for IP telephony configuration change tracking and reporting.

## Integrated Products

The information in this chapter applies to the following products:

- Clarus Systems ClarusIPC Plus+



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

- NNMi 9.20 on the Windows operating system only

## Documentation

The HP NNMi–Clarus Systems ClarusIPC Plus+ integration is fully described in the *ClarusIPC Plus+ HP NNMi Software Integration Guide*, which is included in the integration installation package.

The Clarus Systems ClarusIPC Plus+ documentation suite contains additional documents that describe the Clarus Systems ClarusIPC Plus+ features and capabilities in detail. The documentation suite is available for download from the Clarus Systems web site at:

**[www.support.clarussystems.com](http://www.support.clarussystems.com)**

## Enabling the HP NNMi–Clarus Systems ClarusIPC Plus+ Integration

To obtain the HP NNMi–Clarus Systems ClarusIPC Plus+ integration installation package, contact Clarus Systems support.

For information about enabling the integration, see the *ClarusIPC Plus+ HP NNMi Software Integration Guide*, which is included in the integration installation package.

## Using the HP NNMi–Clarus Systems ClarusIPC Plus+ Integration

Enabling the HP NNMi–Clarus Systems ClarusIPC Plus+ integration adds several URL actions to the NNMi console. For information about these URL actions, see the *ClarusIPC Plus+ HP NNMi Software Integration Guide*.



Clarus Systems ClarusIPC Plus+ requires the use of the Microsoft Internet Explorer web browser. Open the NNMi console in Internet Explorer before launching a URL action that opens a Clarus Systems ClarusIPC Plus+ window.



## Disabling the HP NNMi–Clarus Systems ClarusIPC Plus+ Integration

For information about disabling the HP NNMi–Clarus Systems ClarusIPC Plus+ integration, contact Clarus Systems support.

## Troubleshooting the HP NNMi–Clarus Systems ClarusIPC Plus+ Integration

For information about optimizing and extending the integration, and any currently known issues, see the *ClarusIPC Plus+ HP NNMi Software Integration Guide*.

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# HP NNM iSPI for IP Telephony–Clarus Systems ClarusIPC Plus+ Integration

This section contains the following topics:

- [About the HP NNM iSPI for IP Telephony–Clarus Systems ClarusIPC Plus+ Integration on page 9](#)
- [Enabling the HP NNM iSPI for IP Telephony–Clarus Systems ClarusIPC Plus+ Integration on page 10](#)
- [Using the HP NNM iSPI for IP Telephony–Clarus Systems ClarusIPC Plus+ Integration on page 11](#)
- [Disabling the HP NNM iSPI for IP Telephony–Clarus Systems ClarusIPC Plus+ Integration on page 11](#)
- [Troubleshooting the HP NNM iSPI for IP Telephony–Clarus Systems ClarusIPC Plus+ on page 11](#)

## About the HP NNM iSPI for IP Telephony–Clarus Systems ClarusIPC Plus+ Integration

HP provides and supports the HP NNM iSPI for IP Telephony–Clarus Systems ClarusIPC Plus+ integration. With this integration, operators can access the Clarus Systems ClarusIPC Plus+ features pertaining to IP telephony service tests and diagnostics; Cisco Unified Communications Manager Configuration change reports; and CDR monitoring policies. ClarusIPC Plus+ forwards SNMP traps regarding IP telephony service test results, alerts based on set CDR policies, or alerts based on the Unified Communications Manager Configuration change policies to NNMi, which then generates incidents regarding the status of the IP telephony configuration and devices. The NNM iSPI for IP Telephony provides the following:

- Workspaces and menus for launching to Clarus Systems ClarusIPC Plus+ configuration change reports, policies, test plans, and test results
- Launches to Clarus Systems ClarusIPC Plus+ remote diagnostics tools for IP phones in the context of the selected IP phone

- Launches to Clarus Systems ClarusIPC Plus+ test results, test details, and CDR policy details in the context of the alert incident selected in an HP NNMi incident view.

This integration provides access from the NNMi console to more Clarus Systems ClarusIPC Plus+ tools than does the integration without the NNM iSPI for IP Telephony.

## Value

The HP NNM iSPI for IP Telephony–Clarus Systems ClarusIPC Plus+ integration adds advanced IP telephony service testing and diagnostics; CDR monitoring; and configuration change tracking and reporting to the NNM iSPI for IP Telephony.

## Integrated Products

The information in this section applies to the following products:

- ClarusIPC Plus+



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

- NNMi 9.20 with an NNM iSPI Network Engineering Toolset Software license
- NNM iSPI for IP Telephony 9.20

## Documentation

The HP NNM iSPI for IP Telephony–Clarus Systems ClarusIPC Plus+ integration is fully described in the NNM iSPI for IP Telephony help, which is included with the iSPI.

The help (in PDF format) and additional NNM iSPI for IP Telephony documentation are available at:

**<http://h20230.www2.hp.com/selfsolve/manuals>**

## Enabling the HP NNM iSPI for IP Telephony–Clarus Systems ClarusIPC Plus+ Integration

- 1 Prepare the HP NNMi management server:
  - a If the HP NNMi–Clarus Systems ClarusIPC Plus+ integration (provided by Clarus Systems) is installed on the NNMi management server, uninstall that integration before enabling the integration between the NNM iSPI for IP Telephony and Clarus Systems ClarusIPC Plus+.

For information about how to uninstall the Clarus Systems ClarusIPC Plus+ integration package, contact Clarus Systems support.

- b On the HP NNMi management server, install the following:
  - The most recent HP NNMi consolidated patch (if any)
  - The most recent NNM iSPI for IP Telephony consolidated patch (if any)

Patches are available at:

**<http://h20230.www2.hp.com/selfsolve/patches>**

- 2 On the NNMi management server, enable the HP NNM iSPI for IP Telephony–Clarus Systems ClarusIPC Plus+ integration as described in the NNM iSPI for IP Telephony help.

## Using the HP NNM iSPI for IP Telephony–Clarus Systems ClarusIPC Plus+ Integration

Enabling the HP NNM iSPI for IP Telephony–Clarus Systems ClarusIPC Plus+ integration adds several workspaces, incident types, and URL actions to the NNMi console. For information about these URL actions, see the NNM iSPI for IP Telephony help.



Clarus Systems ClarusIPC Plus+ requires the use of the Microsoft Internet Explorer web browser. Open the NNMi console in Internet Explorer before launching a URL action that opens a Clarus Systems ClarusIPC Plus+ window.

## Disabling the HP NNM iSPI for IP Telephony–Clarus Systems ClarusIPC Plus+ Integration

For information about disabling the HP NNM iSPI for IP Telephony–Clarus Systems ClarusIPC Plus+ integration, see the NNM iSPI for IP Telephony help.

## Troubleshooting the HP NNM iSPI for IP Telephony–Clarus Systems ClarusIPC Plus+

For information about optimizing and extending the integration, and any currently known issues, see the NNM iSPI for IP Telephony help.

For help troubleshooting problems with Clarus Systems ClarusIPC Plus+, contact Clarus Systems support.



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**Product name and version:** NNMi 9.20

**Document title:** *HP Network Node Manager i Software- Clarus Systems ClarusIPC Plus+ Integration Guide*

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