Oracle® Communications Network Integrity

Release Notes

Release 7.5

G13609-02

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Release Notes

This document provides information about Oracle Communications Network Integrity Release 7.5.

This document consists of the following sections:

See *Oracle Communications Service Catalog and Design Release Notes* for the release notes for the Design Studio for Network Integrity feature.

See *Network Integrity Licensing Information User Manual* for license and dependency information for Network Integrity components and cartridges.

Software Compatibility

See Network Integrity Installation Guide for more information about software requirements and compatibility.

Network Integrity 7.5.0.1 New Features

Network Integrity 7.5.0.1 includes the following new features and enhancements:

- Support for the Optical TMF814 CORBA Cartridge to Discover and Reconcile DWDM Devices
- Support for the Optical TMF814 CORBA Cartridge to Discover and Reconcile SDH Devices
- Support for Viewing the Save and Reset Button on the Review Discrepancies Page

Support for the Optical TMF814 CORBA Cartridge to Discover and Reconcile DWDM Devices

The Optical TMF814 CORBA cartridge supports the physical discovery of entities in DWDM networks, detects and resolves discrepancies to the inventory (UIM) and also imports them into NI.

The Optical UIM Integration cartridge supports discrepancy detection on discovered SDH entities and reconcile discrepancies to the inventory (UIM).

You can use the Optical TMF814 CORBA and Optical UIM Integration cartridges to discover and model the discovered entities, to detect and resolve discrepancies. Once these devices are reconciled, you can use the DWDM Logical Discovery and Assimilation cartridges to create layer and service data for the devices in the inventory (UIM).

For more information, see *Network Integrity CORBA Based DWDM Layers and Service Discovery and Assimilation Cartridge Guide*, *Network Integrity Optical TMF814 CORBA Cartridge Guide* and *Network Integrity Optical UIM Integration Cartridge Guide*.

Support for the Optical TMF814 CORBA Cartridge to Discover and Reconcile SDH Devices

The Optical TMF814 CORBA cartridge supports the physical discovery of entities in SDH networks, detects and resolves discrepancies to the inventory (UIM) and also imports them into NI.

The Optical UIM Integration cartridge supports discrepancy detection on discovered SDH entities and reconcile discrepancies to the inventory (UIM).

You can use the SDH Discovery and UIM Integration cartridges to discover and model the discovered entities, and also detect and resolve discrepancies. Once these devices are reconciled, you can also create topology, trail or tunnel data for the devices in the inventory (UIM) using the cartridges.

For more information, see *Network Integrity FTP SDH Logical Resource Discovery and Assimilation Cartridge Guide*, *Network Integrity Optical TMF814 CORBA Cartridge Guide* and *Network Integrity Optical UIM Integration Cartridge Guide*

Support for Viewing the Save and Reset Button on the Review Discrepancies Page

On the Review Discrepancies page, you can view the **Save and Reset** button in the **Search** section when **Advanced Search** is enabled.

Network Integrity 7.5 New Features

Network Integrity 7.5 includes the following new features and enhancements:

Enhancement in Localized Display on NI GUI

NI 7.5 supports the display names of specifications, attributes, and characteristics to appear in the language format of your choice.

See "Setting the Language Preference in the Browser" in *Network Integrity Developer's Guide* for more information.

Support to Enable Auto Discrepancy Resolution for Various Discrepancies

NI 7.5 supports automatic discrepancy resolution to be classified based on different discrepancy types. This feature allows you to select discrepancies to be automatically resolved from the NI GUI when a scan is run.

See "Working with Automatic Discrepancy Resolution" in *Network Integrity Developer's Guide* for more information.

Support to View Date and Time of Last Successful Login on NI GUI

You can now view the date and time of the last successful login at the top right corner of the UI. As a security measure, NI 7.5 stores the details of the successful and failed login attempts in the schema.

See *Network Integrity Online Help* and *Network Integrity System Administrator's Guide* for more information.

Support to Rediscover Failed Network Devices

NI 7.5 supports discovery scans to rediscover only failed network devices from the previous-run discovery scan instead of running a full scan to rediscover all network resources.

See *Network Integrity Developer's Guide* and "Starting a Scan" in *Network Integrity Online Help* for more information.

Support to View Detailed Information of Failed Network Resources for CORBA and FTP Discovery Scans

You can now view the detailed information for network resources that were failed to be discovered when CORBA and FTP Discovery scans are run. This is possible by expanding the **Addresses** field within the Scan Result Page to view all the root-level resources that were failed during the discovery scan.

See Network Integrity Online Help for more information.

Support to Assimilate and Reconcile IP Links

NI 7.5 supports the retrieval and modeling of IP connectivities and assimilates them. It also detects and resolves discrepancies on the identified connectivities, and reconciles them into the inventory (UIM).

See *Network Integrity IP Network Links Assimilation and Reconciliation Cartridge Guide* for more information.

Support to Show Scan Progress of Individual Resources During Scan Run

You can now view the progress of discovery of individual resources when a discovery scan is being run.

See "Implementing Custom Code to Reflect Scan Progress for Individual Resources" in *Network Integrity Developer's Guide* for more information.

Enhancement to Configure Review Discrepancies Page Size to View Large Number of Discrepancy Results

You can configure the page size to view the required number of discrepancy results on the Review Discrepancies page on the NI GUI. The **discrepancies.page.size** property defines the number of discrepancy results to be fetched from the database, and it can be configured to fetch the desired number of discrepancy results at a time.

See "Configuring Page Size for Viewing Discrepancy Results" in *Network Integrity System Administrator's Guide* for more information about using the property.

Fixed and Known Issues

This section provides you with details on fixed and known issues.

Fixed Issues in NI 7.5

Table 1-1 lists and describes the fixed issues in NI 7.5.

For fixed issues in NI 7.5.0.1 patch, see the corresponding patch readme.

Table 1-1 Fixed Issues in NI 7.5

Bug Number	Issue	Resolution
37257268	Increase default read timeout value for NI-UIM SOAP web service requests.	Fixed code to have a configurable timeout value for NI-UIM WS requests.
37237826	Issue with TMF814Discovery scan when parallel processing is enabled.	Fixed code to process the scan when parallel option is enabled.
37207416	Removal of synchronous block from connectivity multithread tasks to resolve blocked threads.	Fixed code to prevent blocking threads during multithread task processing.
37134182	SDH Reconciliation Null Pointer Exception.	Fixed code to prevent NPE exception.
36767876	Discrepancy detection stuck intermittently for 50 minutes on last batch before completion.	Fixed code to improvise the generation logic of missing root level discrepancies to avoid stuck threads.
37211422	Submit reconciliation action taking long time.	Fixed code to optimize the submit reconciliation logic.
37078600	NI Import scans are blocked due to synchronization.	Fixed code to prevent blocking threads during multithread task processing.
37077879	Import scans causing stuck threads due to devices with complex hierarchy and many characteristics.	Fixed code to optimize the characteristics addition logic to avoid stuck threads.
36978048	Discrepancy detection using root entity char as a key.	Fixed code to support discrepancy detection using root entity char as a key.

Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc.

Access to Oracle Support

Oracle customer access to and use of Oracle support services will be pursuant to the terms and conditions specified in their Oracle order for the applicable services.

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