NetIQ eDirectory 9.0 SP3 Release Notes

March 2017

NetIQ eDirectory 9.0 SP3 resolves several previous issues. Many of these improvements were made in direct response to suggestions from our customers. We thank you for your time and valuable input. We hope you continue to help us ensure our products meet all your needs. You can post feedback in the eDirectory Community Support Forums, our community Web site that also includes product notifications, blogs, and product user groups.

For a full list of all issues resolved in NetIQ eDirectory 9.x, including all patches and service packs, refer to TID 7016794, "History of Issues Resolved in NetIQ eDirectory 9.x".

For more information about this release and for the latest release notes, see the Documentation Web site. To download this product, see the Product Upgrade Web site.

1 What's New?

eDirectory 9.0 SP3 provides the following enhancements, and fixes in this release:

1.1 Enhancements

This release introduces the following enhancements:

1.1.1 Improved Auditing Capability with XDAS

This release includes enhanced XDAS auditing capability that helps you to remove invalid and repetitive audit events generated from eDirectory modules/components. The updated feature includes several other changes that must be reviewed before the feature is implemented.

- NMAS events are merged with the eDirectory event system and can be configured and enabled from a single iManager plug-in page.
- You require only eDirectory collector for generating both NMAS and eDirectory events.

- NMAS collector is required only for Platform Agent (PA).
- Mapping of XDAS, eDirectory and NMAS events is updated. For more information, see Mapping eDirectory Events with XDAS Events in the *NetIQ eDirectory Administration Guide*.
- XDAS will follow the Sentinel Taxonomy. For more information, see https://www.novell.com/developer/plugin-sdk/sentinel_taxonomy.html.

> **IMPORTANT:** If you have configured XDAS in your environment, after upgrading to eDirectory 9.0 SP3, all basic events except `Query Account`, `Query Trust` and `Query Data Item Attribute` will be automatically configured after upgrading eDirectory 9.0 SP3. You need to manually configure other events using the latest iManager plug-in.

- A new iManager plug-in for eDirectory with a reorganized XDAS auditing interface is included. Both NMAS and eDirectory audit can be enabled from this page. For more information, see Using the iManager Plug-In for Configuring XDASv2 in the *NetIQ eDirectory Administration Guide*.
- A new event, `DSE_CONNECTION` is included in the event system. This event is reported when a communication channel is created/terminated between the eDirectory system components. `DSE_CONNECTION` event is mapped to the Create Connection and Terminate Connection events in XDAS. For more information, see Mapping eDirectory Events with XDAS Events in the *NetIQ eDirectory Administration Guide*.
- XDAS will not use any LDAP events starting this release.

1.1.2 Monitoring NMAS Events Through iMonitor

With this release, NMAS events are added to the Event Configuration page in iMonitor along with other eDirectory events. To access the event configuration page, login to iMonitor > **Trace Configuration** > **Event Configuration**.

1.2 Operating System Support

In addition to the platforms introduced in previous releases of eDirectory, this release adds support for the following operating system:

- SLES 12 SP2 (SUSE Linux Enterprise Server)

1.3 Fixed Issues

This release includes the following software fixes that resolve several previous issues:

1.3.1 eDirectory Crashes When (cn=) Is Specified As a Search Filter

Issue: eDirectory crashes when (`cn=`) is specified as a search filter for a dynamic group member query.

Fix: This release updates eDirectory not to crash when an invalid search filter is specified. (`Bug 1025231`)

1.3.2 High Memory Buildup Is Observed After Upgrading to eDirectory 9.0 SP2

Issue: High memory buildup is observed after upgrading eDirectory to the latest version (9.0 SP2).

Fix: This release updates eDirectory to prevent memory buildup. (`Bug 1026237`)

1.3.3 nmasrefresh Tool Displays an Error Message

Issue: `nmasrefresh` tool fails to refresh the login policy and displays an error -1644. This occurs because of the ongoing active login sessions and subsequent requests.

Fix: This release updates the `nmasrefresh` tool to wait for the active login sessions to complete before attempting to refresh the login policy. `(Bug 1020814)`

1.3.4 eDirectory Crashes in DSTraceString Function

Issue: eDirectory crashes in DSTraceString function due to buffer overflow.

Fix: This release updates eDirectory to avoid the buffer overflow. `(Bug 1016637)`

1.3.5 eDirectory Fails to Import Or Export iManager Plug-Ins on Windows

Issue: Exporting or importing iManager plug-ins do not work on Windows after upgrading iManager to 3.0 SP2.

Fix: This release updates eDirectory to import or export iManager plug-ins. `(Bug 1020781)`

1.3.6 eDirectory Generates Multiple Tree Keys After Cloning DIB

Issue: When you clone DIB, the eDirectory server generates multiple inconsistent tree keys.

Fix: This release updates eDirectory to avoid generating multiple tree keys. `(Bug 998847)`

1.3.7 ndsconfig Utility Fails on SLES 12 and Later Platforms

Issue: `ndsconfig` utility fails on SUSE Linux Enterprise Server 12 (SLES 12) and later platforms that have TSX enabled hardware.

Fix: This issue is fixed in this release. `(Bug 1012336)`

1.3.8 Multiple Attributes Contain Same OID

Issue: Duplicate OIDs are found in `ldapSSLConfig` and `ldapPermissiveModify` attributes.

Fix: This release updates eDirectory to prevent using duplicate OIDs in attributes. `(Bug 1015184)`

1.3.9 ldapSearch Utility Fails to Return Results

Issue: `ldapSearch` utility fails to return results if there is a space or underscore included as the 33rd and 65th character of a substring index value.

Fix: This issue is fixed in this release. `(Bug 1016661)`

1.3.10 Synchronization Between eDirectory Server Fails With Error Code -608

Issue: This issue occurs because the object class values get a new time stamp by the `ndsbackup` utility which also handles the auxiliary classes by creating an aux class compatibility values.

Fix: This release updates the `ndsbackup` utility to prevent this issue. `(Bug 1022789)`

2 System Requirements

For information about prerequisites, hardware requirements, and supported operating systems, see the *NetIQ eDirectory Installation Guide*.

3 Installing or Upgrading

To upgrade to eDirectory 9.0 SP3, you need to be on eDirectory 8.8.8.x or 9.0. For more information on upgrading eDirectory, see the *NetIQ eDirectory Installation Guide*.

3.1 Supported Upgrade Paths

To upgrade to eDirectory 9.0 SP3, you need to be on eDirectory 8.8.8.x or above. For more information on upgrading eDirectory, see the *NetIQ eDirectory Installation Guide*.

4 Known Issues

NetIQ Corporation strives to ensure our products provide quality solutions for your enterprise software needs. The following issues are currently being researched. If you need further assistance with any issue, please contact Technical Support.

For the list of the known issues in eDirectory 9.0, refer to the Known Issues section in the respective release notes.

4.1 Common Configuration File Path Is Not Supported For Multiple Instances on SLES12 or Later Platforms

Issue: While upgrading to SLES 12, multiple instances of eDirectory cannot be configured if you have the eDirectory configuration files in the same directory.

Workaround: You must move the eDirectory configuration files to a different directory before upgrading to SLES 12.

4.2 eDirectory Fails To Enforce Case Sensitivity While Logging Into the Filtered Replica

Issue: eDirectory fails to enforce case sensitivity while logging into a server that has a filtered replica of a user containing CN, Surname, Lastname and Description attributes.

Workaround: There is no workaround at this time.

5 Additional Documentation

- Section 5.1, "iManager," on page 4
- Section 5.2, "Novell International Cryptographic Infrastructure (NICI)," on page 5
- Section 5.3, "eDirectory Issues on Open Enterprise Server (UNIX only)," on page 5

5.1 iManager

For iManager information, refer to the iManager online documentation.

5.2 Novell International Cryptographic Infrastructure (NICI)

The NICI Administration Guide is included in the eDirectory documentation page.

5.3 eDirectory Issues on Open Enterprise Server (UNIX only)

For more information on eDirectory issues on Open Enterprise Server (OES), see OES Readme (http://www.novell.com/documentation/oes2/).

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