NetIQ® Identity Manager
4.8 Service Pack 7 Release Notes

June 2023

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Contents

About this Book

The NetIQ Identity Manager 4.8 Service Pack 7 provides new features, enhancements, improves usability, and 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 that our products meet all your needs. You can post feedback in the Identity Manager Community Forums on NetIQ Communities, our online community that also includes product information, blogs, and links to helpful resources.

The documentation for this product and the latest release notes are available on the NetIQ Web site on a page that does not require you to log in. If you have suggestions for documentation improvements, click **comment on this topic** at the bottom of any page in the HTML version of the documentation posted at the Identity Manager Documentation Website.

1 What's New and Changed?

NetIQ Identity Manager 4.8.7 provides the following key features, enhancements, and fixes in this release:

- "New Features and Enhancements" on page 7
- "Component Updates" on page 8
- "Software Fixes" on page 10

New Features and Enhancements

Identity Manager 4.8.7 provides the following key functions and enhancements in this release:

- "Platform Support" on page 7
- "Support for New OS Version for Containers" on page 7
- "New Features and Enhancements in Identity Applications" on page 7
- "Enhancements in Identity Reporting" on page 8

Platform Support

In addition to the existing operating systems (OS), this service pack provides support for the following OS:

- Red Hat Enterprise Linux (RHEL) 8.7 and 9.1
- Open Enterprise Server (OES) 2023 SP1

IMPORTANT: Support for Red Hat Enterprise Linux (RHEL) 7.9 and its earlier versions has been discontinued from Identity Manager 4.8.7 and onwards.

Support for New OS Version for Containers

This service pack includes openSUSE Leap 15.4 with Identity Manager Containers.

New Features and Enhancements in Identity Applications

Identity Applications component includes the following new features and enhancements:

New Driver Parameter Added in the Roles and Resource Service Driver

You can now configure the Roles and Resource Service Driver to evaluate the dynamic and nested groups daily at midnight. When the **Dynamic group evaluation in local server time mid-night** parameter is set to `true`, the evaluation will begin at midnight, according to the time zone set on the Identity Applications server.

The RRSD driver will evaluate at midnight, regardless of the **Frequency of reevaluation of dynamic and nested groups (in minutes)** value. However, when the new parameter is set to `false` (the default configuration), the RRSD driver will perform a time interval-based evaluation determined by the **Frequency of reevaluation of dynamic and nested groups (in minutes)** value.

The Assigned To Column on the Tasks Page Can Display User Name Based on the Full Name Entity

You can now change the format of the displayed user name in the Assigned To column. When you set the `com.netiq.idm.isAddresseSupportNameFormatting` property to `true` in the `ism-configuration.properties` file, the Assigned To column on the Tasks page (both **Self** and **Others**) displays the full name of the user based on the locale name pattern configured in Designer.

For more information on setting the property, see Configuring the Format of Displayed User Names (https://www.netiq.com/documentation/identity-manager-48/identity_apps_admin/data/netiq-identity-manager-configure-user-names.html#netiq-identity-manager-configure-format-of-displayed-user-names-identity-applications).

Enhancements in Identity Reporting

Identity Reporting component includes the following enhancements:

Reporting Database Schema Modified to Handle Large Volumes of Data

The following table lists the schema changes for the PostgreSQL, Oracle, and Microsoft SQL Server databases:

Table	Column	Previous Value	New Value
idmrpt_identity	IDENTITY_DESC	2000	MAX
idmrpt_identity	IM_ID	64	1024
idmrpt_identity	MGR_ID	32	216
idmrpt_identity	PREFERRED_LANGUAGE	8	150
IDMRPT_IDV_IDENTITY_TRUST	REQUEST_COMMENT	2000	MAX
idmrpt_team	team_memb_relationship	128	256

Component Updates

This section provides details on the component updates.

Identity Manager Component Versions

This release adds support for the following components in Identity Manager:

- Identity Manager Engine 4.8.7
- Identity Manager Remote Loader 4.8.7
- Identity Applications 4.8.7
- Identity Reporting 7.0.1
- Identity Manager Designer 4.8.7

   NOTE: Identity Manager Designer 4.8.7 uses the same Form Builder version out of the box as Identity Manager Designer 4.8.6.

- Identity Manager Fan Out Agent 1.2.9

Updates for Dependent Components

This release adds support for the following dependent components:

- NetIQ eDirectory 9.2.8
- NetIQ Identity Console 1.7
- NetIQ Self Service Password Reset (SSPR) 4.7.0.0-ea
- NetIQ One SSO Provider (OSP) 6.6.7
- Sentinel Log Management for IGA 8.5.1.1

IMPORTANT: Identity Manager 4.8.7 is only compatible with eDirectory 9.2.8 or later. Identity Manager 4.8.7 no longer supports eDirectory versions older than 9.2.8 and vice versa. Make sure to update the eDirectory to version 9.2.8.

Third-Party Component Versions

This release adds support for the following third-party components:

- Azul Zulu 11.64.19
- Apache Tomcat 9.0.74
- PostgreSQL 12.14 (standalone mode only)
- PostgreSQL 12.14 (containers only)
- OpenSSL 1.0.2zg
- Nginx 1.22.0
- ActiveMQ 5.18.1

IMPORTANT: All Identity Manager components are now supported on the Java 11 platform, except for Identity Reporting and Identity Manager Designer. Identity Reporting and Identity Manager Designer will continue support on the Java 8 platform. For more information, see System Requirements for Identity Manager 4.8.x.

Software Fixes

NetIQ Identity Manager includes software fixes for the following components:

Installation and Upgrade

NetIQ Identity Manager includes the following software fixes that resolve several previous issues in installation or upgrade:

Sentinel Log Management for IGA Updated with Latest Supported Collector Versions

This release includes Sentinel Log Management for IGA 8.5.1.1, which removes obsolete collectors and adds the latest supported eDirectory and Identity Manager collector versions. `(Bug 567035)`

Identity Manager Engine

NetIQ Identity Manager includes software fixes that resolve several previous issues in the Identity Manager Engine:

Mapping Multiple Resources to a Role Using a Policy Works as Expected

When you use the `<do-modify-role>` action in a policy for resource association, the application successfully associates multiple resources with a given role. The "com.microfocus.idm.rest.UserAppRestException: org.codehaus.jettison.json.JSONException: JSONObject["succeeded"] is not a JSONObject" error is no longer seen. `(Bug 525101)`

Changing Password Does Not Add a Null Entry to the User's DirXML-PasswordSyncStatus Attribute

When an Active Directory user changes their password, the `DirXML-PasswordSyncStatus` attribute is updated with the new password. The old password is removed and no longer replaced by a null entry. `(Bug 597005)`

Identity Applications

NetIQ Identity Manager includes software fixes that resolve several previous issues in the Identity Applications:

The Assigned To Column on the Tasks Page Can Display User Name Based on the Full Name Entity

When you set the property `com.netiq.idm.isAddresseSupportNameFormatting` to `true` in the `ism-configuration.properties` file, the Assigned To column on the Tasks page (both **Self** and **Others**) displays the full name of the user based on the locale name pattern configured in Designer. (Bug 358141)

Setting Up Dynamic and Nested Group Evaluation to Occur at Midnight

You can now configure the Roles and Resource Service Driver to evaluate dynamic and nested groups daily at midnight by turning on the **Dynamic group evaluation in local server time mid-night** parameter rather than setting the frequency (in terms of minutes). (Bug 372013)

Unicode Check Failure Error Is No Longer Encountered When Restarting Tomcat With a Script

This release fixes the Unicode check failure error displayed when you restart the Tomcat server with a script. (Bug 373024)

Reminder and Escalation Reminder Templates Corrected to Send Proper Emails to the Recipients

The reminder and escalation reminder email templates have been modified to send proper reminder and escalation emails. The application no longer sends content from the notification email template in the reminder and escalation emails. (Bug 377207)

NOTE: Make sure to select the **Show System Tokens** check box for the reminder email template in a workflow. The application requires default system tokens to send reminder emails. When enabled, you can see that target tokens with the `_default_` property included in the deployment summary window.

Dashboard Displays User's Full Name on the Permission of Others Page

This release fixes an issue in the Permissions of others page, where the Dashboard failed to display the user's full name in the search result even when the application was configured to display the full name format. (Bug 424064)

Configuring the Format of Displayed User Names in the *NetIQ Identity Manager - Administrator's Guide to the Identity Applications* describes how to configure the format of displayed user names in the Dashboard. To display full name in particular, you must perform a few additional steps. After setting the `Full Name` attribute for the user entity's `Default Full Name Pattern` in Designer, you must add the attribute property to the **XmlData**. For more information, see NetIQ Identity Manager - Administrator's Guide to the Identity Applications (https://www.netiq.com/ documentation/identity-manager-48/identity_apps_admin_487/data/general-issues-troubleshooting.html#t4lrfouxe8i8).

Separation of Duties Displays Full Name in the Default Approvers Field

The **Separation of Duties** option on the Dashboard now displays the full name of a user designated as the default approver rather than their CN. `(Bug 432152)`

Team Manager Can See User's Profile Photo on the Permissions of Others Page

This release fixes an issue on the Permissions of others page, where a team manager could not see a user's profile photo while searching for permissions within the team, even when the user had an image added to their profile.`(Bug 449010)`

Deleting a Resource With Entitlement Now Displays an Error If It Is Associated with a Role

The Dashboard will now display an error message alerting users to remove the role-to-resource association before deleting a resource with entitlement. It ensures that users assigned to the role lose both the resource and the entitlement when the resource is deleted. `(Bug 457038)`

Pagination to Assist Administrators Navigate the Parent Roles

The **Map Role to Role** option on individual roles now includes pagination in the Parent Roles list to help administrators navigate roles. `(Bug 463005)`

DateTime Picker Complies With the Browser Locale

The Dashboard now displays the date format based on the locale set in the browser. For example, the **Effective Date** and **Expiration Date** on the New Request page are displayed in mm/dd/yy format for a browser set to English (United States) and in dd/mm/yy format for a browser set to Dutch. `(Bug 473005)`

User Application Driver Modified to Prevent Multiple LDAP Connections for Bulk Operations on Roles and Resources

The issue with the Identity Applications server's open file handles rapidly increasing when performing bulk operations on roles and resources has been resolved. `(Bug 485070)`

Organization Chart No Longer Highlights Disabled Users

The Organization Chart on Dashboard greys out a user whose login is disabled. `(Bug 487011)`

Resources Assigned to Users Are Restored After RRSD Resynchronization

This release resolves an earlier issue in which users lost their `nrfAssignedResources` value during RRSD resynchronization if the role administrator who had requested the resource on the user's behalf was no longer present.`(Bug 492072)`

Resource Weightage Option Available Under the Details, Owners, and Approvals Tab on the Resource Page

This release fixes an issue with the User Application Driver that caused the Resource Weightage option to disappear after an upgrade. When upgrading the driver, the `sys-nrf-resource` object in the XmlData attribute retains the `ResourceWeightage` key, resolving the issue. `(Bug 496172)`

After the First Approval, the Second Approver in a Serial Approval Sequence Receives a Proper Notification Email

This release fixes a workflow issue in which the application sends a reminder notification email to the second approver after the first approver approves a permission request. The workflow now sends a proper notification email to the second user, informing them of the task assignment. `(Bug 500275)`

The Expire Soon Counter for Tasks on the Welcome Page Works Correctly

This release fixes an issue in the Tasks widget that caused the **Expire Soon** field to update whenever a new task was created. The Dashboard now displays the right number of tasks that are about to expire when a user visits the page. `(Bug 502261)`

Flushing Cache Clears the Workflow-Related Cache Content

This release fixes an issue in the Dashboard's **Flush Cache** option, which caused it to fail for workflow-related caches. Now, when you select **Flush Cache** for all caches, all caches are cleared, including workflow-related caches.`(Bug 513038)`

The Attributes of ResourceDefs Object Are Successfully Updated on Editing a Resource

When editing a resource, if you disable the **Map Entitlement Values at Resource Request time**, select the entitlement value, and submit, the application removes the `nrfResourceParms` from the `ResourceDefs` object. `(Bug 515132)`

Editing Roles in Bulk Feature Works As Expected

This release includes a fix for an issue in the Identity Manager 4.8.5 that caused errors when administrators tried to append or overwrite owners when editing multiple roles. The "Role name is required" error message is no longer seen. `(Bug 524106)`

Made Changes to MVEditor Control in Legacy Forms to Handle Special Characters Correctly

After upgrading to Identity Manager 4.8.7, request forms containing MVEditor control will display the special characters correctly. `(Bug 532055)`

Option to Select the Number of Results Displayed Per Page Works as Expected

On changing the **Options for number of results displayed per page** parameter in the Provisioning Display Settings, the option to select the number of results per page provided on each page for navigation is updated correctly. `(Bug 532163)`

Editing an Existing Role Does Not Impact the nrfStatus Attribute

The Role status code, nrfStatus=50, assigned to a role object at the time of role creation, remains unchanged on editing the role. `(Bug 533110)`

GET /tasks/workEntries REST API Description Corrected in REST API Documentation

The REST API Documentation has been updated to provide the correct description for the `GET /tasks/workEntries` REST Endpoint, which was stated incorrectly in a previous release. `(Bug 543011)`

Pressing Enter in the Search Field Does Not Edit a Role

This release fixes an issue found on the roles edit page, in which the Dashboard displayed a success message whenever a user typed a character and pressed Enter in the search field. The message "Successfully updated role" is no longer displayed. `(Bug 547041)`

Log Rotation in idapps.out File Works as Expected

This release resolves the log rotation issue in the `idapps.out` file introduced in Identity Manager 4.8.6 as part of the `bug 525093` fix. The configuration now includes a time-based policy to support daily log rotation in the `idapps.out` file. `(Bug 549036)`

Search Based on Email Address Attribute of a Custom Entity Works As Expected

This release fixes an issue with the search option for the custom entity, in which the Dashboard did not find any users when searching for their complete email address. `(Bug 560044)`

Removing Availability Setting Does Not Impact Other Delegation Assignments

This release adds a check to prevent the deletion of `srvprvDelegatorAssignment` objects associated with the availability settings of other users. As a result, deleting the availability setting for one user has no impact on the delegation assignments set for other users. `(Bug 580169)`

Show/Hide Profile Photo Functions as Expected for a Custom Entity

When viewing an organization chart of a custom entity, the Dashboard will not display the user's profile photo in the organization chart if that user has chosen to hide their profile photo. `(Bug 587092)`

About Window Displays Identity Manager Dashboard Information Correctly in All Supported Locales

This release includes a fix for an issue in Identity Manager 4.8.6 that caused the version, date, and revision of the Identity Manager Dashboard to display incorrectly if the preferred language was changed to a language other than English. `(Bug 589085)`

User Access to a Resource is De-provisioned When the Role-Resource Mapping is Removed

On removing a mapped resource from a role, the `nrfResourceAssociation` object is successfully deleted from the user, and the user cannot access the resource. The NullPointerException is no longer seen. `(Bug 599001)`

Role Deletion No Longer Results in an Out of Memory Issue

This release fixes an out-of-memory issue observed after deleting multiple roles (a parent role with many child roles). The memory allocated for the operation is returned once the role recalculation is complete. `(Bug 599002)`

Legacy Forms Using the setValues(fieldname) Method Works As Expected

This release fixes an issue in legacy forms that caused form fields using the `form.setValues("fieldname", data-values, display values, KeepOldValues)` method to display the data value instead of display value in the `display values` (3rd) field. It now shows the value for the `display values` parameter correctly. `(Bug 601003)`

Applications Page on the Identity Manager Dashboard is Loading Properly

The landing page issue that caused the user to occasionally see a blank page after logging in to the Dashboard has been resolved. It occurred when the application was unable to load notifications because the logged-in user belonged to multiple groups and had many notifications to display. `(Bug 606002)`

Occasional Hanging of Role and Resources Service Driver is No Longer Seen

This release fixes an issue with Role and Resources Service Driver wherein the driver unexpectedly and temporarily stopped processing transactions, causing new requests to be held up in the unprocessed transactions queue. An HTTP object timeout has been added so that the driver does not keep waiting for the response. `(Bug 610002)`

Enable oidpInstanceData Attribute Clean-up Property Back in Designer

After you install or upgrade to the latest User Application Driver package shipped along with this release, the **Enable oidpInstanceData attribute clean-up** property and its subparameters are displayed in the **Driver Configuration** > **Driver Parameters** window as expected. `(Bug 610038)`

Team Manager Can Use the CN Attribute to Search for Users

This release fixes a search operation issue on the Delegation Assignments and Availability Settings pages, where a team manager could not search users using the CN attribute if the team members (Recipients) were defined using the Manager-Employee relationship. `(Bug 612058)`

OSP Login Page Persists Customization After Upgrade

When you upgrade to Identity Manager 4.8.7, the application retains the custom login image added to the `osp-custom-resource.jar` file. `(Bug 619010)`

Identity Applications Displays Swedish Characters Correctly If a Workflow Is Started By a Driver Policy

The UTF-8 character encoding allows Identity Applications to correctly display extended characters like Swedish umlauts. `(Bug 638003)`

Request History Page Displays the Name of the Initiator Instead of the Recipient

After upgrading to Identity Manager 4.8.7, the **Requested By** field on the Request History page displays the name of the initiator who requested the permission on behalf of others correctly. `(Bug 638004)`

Legacy Forms Will Retain Their CSS Customization After Upgrade

When you upgrade to Identity Manager 4.8.7, the application retains the CSS customization on the legacy forms. `(Bug 638005)`

Resource Form Fields Are Working As Expected

This release fixes an issue in Identity Manager 4.8.6 that rendered the form fields on the resource form uneditable. After upgrading to Identity Manager 4.8.7, resource form with a "List" Data Type field will allow users to select from a set of data values. Similarly, users can enter characters into a "String" Data Type field. `(Bug 638006)`

Search Functionality in a Dynamic Entity Component Works As Expected

This release fixes a form builder issue in Identity Manager 4.8.6 that caused a Dynamic Entity component to render incorrectly when searching for an email address with a period (.). `(Bug 638007)`

Dashboard Shows Subcontainers in a Selected Role Level When Creating a New Role

The **Subcontainer** field is no longer empty on the New Role page. It shows the roles within the subcontainers for the selected role level. `(Bug 638008)`

Changing the Preferred Locale on the My Profile Page Works as Expected

When you set a new language as the default preferred locale on Dashboard, the application reads the translated `AdminString_XX.json` and `XX.properties` files and displays the Dashboard UI text and strings in the preferred locale. `(Bug 646031)`

IMPORTANT: Before changing the preferred locale on the Dashboard's My Profile page, make sure that the `AdminStringsRsrc_xx.json` file is present in the following location:

- **Linux**: `/opt/netiq/idm/apps/tomcat/webapps/idmdash/assets/i18n/`
- **Windows**: `C:\NetIQ\idm\apps\tomcat\webapps\idmdash\assets\i18n`

Legacy Forms Successfully Rendered in the Browser With No JSON Error

On requesting permission that uses legacy forms, the browser loads forms in the first launch. The "A JSONObject text must begin with '{' at character 1" error is no longer displayed for legacy forms. `(Bug 681003)`

Added Localized Strings for Polish Language

This release includes user interface (UI) strings for the Identity Applications component in Polish language that was missing in an earlier version. `(Bug 687001)`

Optimization of ECMAScript Class Loader

ECMAScript no longer generates anonymous classes or overloads the JVM metaspace. `(Bug 704001)`

The Workflow Engine Starts Up Successfully After the Upgrade

After upgrading to this patch, the issue with the Identity Manager 4.8.6 on Oracle, which resulted in "Error: Runtime Exception Initializing... Caused by com.netiq.persist.PersistenceException: ORA-02289: sequence does not exist" will no longer be seen. `(Bug 704002)`

Identity Reporting

NetIQ Identity Manager includes the following software fixes that resolve several previous issues in Identity Reporting:

Column Size Increased to Handle Large Volumes of Data

The size of IDENTITY_DESC, IM_ID, MGR_ID, PREFERRED_LANGUAGE, REQUEST_COMMENT, and team_memb_relationship columns have been increased to handle more data than previously supported. This resolves several column-related errors that were reported in previous releases, such as "ERROR: value too long for type character varying(128)" and "value too large for column." `(Bug 256182, 258164, 500217, 501062, 502225)`

Database Statistics Report Shows Data for Audit Event Overview

This release resolves a previous issue in which the database report did not contain any data in the Audit Event Overview section. The Database Statistics report now shows the event counts for all audit events that occurred during the specified date range in Audit Event Overview. `(Bug 579122)`

Identity Manager Designer

NetIQ Identity Manager includes software fixes that resolve several previous issues in Designer:

Epic EMP Driver Package Version Corrected in the site.xml Location

The `site.xml` is updated to include the correct version of the Epic EMP Driver package (short name PDSEMPDCFG). The package is successfully updated in Designer 4.8.7. `(Bug 580132)`

2 Installing or Updating to This Service Pack

For information on installing or updating to this service pack, see the *NetIQ Identity Manager 4.8.7: Installation and Upgrade Guide*.

NOTE:

- If you want to install Identity Manager 4.8 and simultaneously upgrade to 4.8.7, you can download the `Identity_Manager_4.8_BundleInstaller_1.1.0.zip` from the Software License and Download (https://sld.microfocus.com) portal. For more information on how to apply the installer, see NetIQ Identity Manager 4.8 Bundle Installer 1.1 Patch Release Notes (https://www.netiq.com/documentation/identity-manager-48/identity-manager-4.8.0-bundle-installer-patch-1.1.0/data/identity-manager-4.8.0-bundle-installer-patch-1.1.0.html).

- This release provides an upgrade for the Form Builder and Form Renderer components. Note that this is an optional deliverable. If you choose to upgrade, read what's new and any backward compatibility issues that you may encounter with custom complex forms. For more information, see NetIQ Identity Manager 4.8 Service Pack 7 Form Builder and Form Renderer Release Notes.

3 Known Issues

NetIQ 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.

- "In Linux Platform, iManager is Displaying a Blank Page After Upgrade" on page 21
- "Warning: Illegal Reflective Access Operation Has Occurred" on page 22
- "After an Upgrade: The Send Email from Template Action Fails With an Error" on page 22
- "Identity Reporting Displays Pre-release: Development on the About Page" on page 23
- "Unable to Launch the Configupdate Utility When Identity Reporting Is Installed on a Standalone Server" on page 23
- "Tomcat On RHEL 8.5 and 8.6 Does Not Start After Upgrading Identity Manager to 4.8.7" on page 23
- "Unable to Locate a User in the Manager and Direct Reports Fields When Creating a New User" on page 24
- "Org Chart Buttons for a Level 2 or Higher Relationship Hierarchy is Missing" on page 24
- "SSPR Image Requires Forceful Deletion, Normal Deletion Results in an Error" on page 24
- "User Application Driver Version and Copyright Information is Outdated" on page 24
- "Workflow Engine Fails to Start When the Database is on MS SQL Server" on page 25
- "Events are Lost Due to Database Transaction Error" on page 25
- "Remote Loader Reports Invalid Driver Object Password After Upgrade" on page 25

In Linux Platform, iManager is Displaying a Blank Page After Upgrade

Issue: After upgrading to Identity Manager 4.8.7, iManager will no longer work if installed with other components. When you try to launch a previously installed version, iManager displays a blank page.

Workaround: NetIQ recommends that you install and use Identity Console in place of iManager. However, if you want to continue using iManager, you must consider the following important points before upgrading Identity Manager to version 4.8.7:

- On the server where iManager is installed, make sure it has the supported version of Java. For example, Java JDK 1.0.8 Update 342 for iManager 3.2.6.0200.

    In addition, follow the procedure below to reuse the existing Java files:

    1. Create a new directory using the following command:

        ```
        mkdir -p /opt/novell/iManager/java_iman
        ```

    2. Copy the existing Java files of iManager to the new directory:

```
cp -r /opt/netiq/common/jre/ /opt/novell/iManager/java_iman
```

3. To change the ownership to the new directory, run the following command:

```
chown -R novlwww:novlwww /opt/novell/iManager/java_iman
```

4. Navigate to `/etc/opt/novell/tomcat9/` and update the `JAVA_HOME` and `JRE_HOME` with the new Java path in the `tomcat9.conf` file. For example, in `tomcat9.conf` replace:

```
JAVA_HOME="/opt/netiq/common/jre"
```

```
JRE_HOME="/opt/netiq/common/jre"
```

with

```
JAVA_HOME="/opt/novell/iManager/java_iman/jre"
JRE_HOME="/opt/novell/iManager/java_iman/jre"
```

5. Restart Tomcat using the following comment:

```
rcnovell-tomcat9 restart
```

   ◆ Make sure that iManager is installed on a standalone server.

Warning: Illegal Reflective Access Operation Has Occurred

Issue: When configuring Identity Applications, you might encounter the following message:

```
Warning: An illegal reflective access operation has occurred
```

This occurs because the current version of Identity Applications is using Java 11. `(Bug 745005)`

Workaround: The warning does not affect any functionality. You can ignore it.

After an Upgrade: The Send Email from Template Action Fails With an Error

Issue: After upgrading Identity Manager to 4.8.7, policies using the `<do-send-email-from-template>` action fail with the following error message:

```
Couldn't send email: java.lang.NoClassDefFoundError: com/sun/activation/
registries/LogSupport
```

The error is caused by a missing library in Identity Manager 4.8.7. `(Bug 778009)`

Workaround: To resolve the issue, download the jar (https://repo1.maven.org/maven2/com/sun/activation/jakarta.activation/2.0.1/jakarta.activation-2.0.1.jar) and copy it to the Identity Manager Engine's `/opt/novell/eDirectory/lib/dirxml/classes/` directory. Restart eDirectory to apply the changes. For more information, see KM000019133 (https://portal.microfocus.com/s/article/KM000019133?language=en_US).

Identity Reporting Displays Pre-release: Development on the About Page

You will see `Pre-release: Development` next to the version number on the About page of Identity Reporting. This will be updated in a future release.

Unable to Launch the Configupdate Utility When Identity Reporting Is Installed on a Standalone Server

Issue: If you try to launch configupdate utility on the same server in which Identity Reporting SE is installed, it will fail to launch. `(Bug 708002)`

Workaround: Make the following changes in the `configupdate.sh.properties` file:

- For Linux, change the value of `CONTEXT_DIR` to `"/opt/netiq/idm/apps/tomcat-jre8"`
- For Windows, change the value of `CONTEXT_DIR` to `"<install base dir>\idm\apps\reporting\tomcat-jre8"`

Launch the configupdate utility.

Tomcat On RHEL 8.5 and 8.6 Does Not Start After Upgrading Identity Manager to 4.8.7

Issue: When upgrading Identity Manager to version 4.8.7 on a server running RHEL 8.5 or RHEL 8.6, OSP fails to start due to a database connection issue. It typically happens when the random key generation process takes longer than expected while the OSP is getting deployed. As a result, Tomcat services also fail to start. `(Bug 703003)`

Workaround: Modify the following lines in the `java.security` file at `/opt/netiq/common/jre/conf/security` location and restart Tomcat:

NOTE: Before applying the workaround, we recommend you read the RHEL documentation (https://access.redhat.com/documentation/en-us/red_hat_enterprise_linux/6/html/security_guide/sect-security_guide-encryption-using_the_random_number_generator) for more information on random number generators.

- Replace `securerandom.source=file:/dev/random`

    with

    `securerandom.source=file:/dev/./urandom`

- Replace `securerandom.strongAlgorithms=NativePRNGBlocking:SUN`

    with

    `securerandom.strongAlgorithms=SHA1PRNG:SUN`

Unable to Locate a User in the Manager and Direct Reports Fields When Creating a New User

Issue: The **Manager** and **Direct Reports** fields on the Create User page does not show all users in the user catalog. This issue is specific to the first user in the user catalog. For example, when you search for users in the **Manager** field, Dashboard only displays four results, even if the catalog contains five users. Because the first user is missing, you cannot designate them as a manager or direct report when creating a new user. `(Bug 684008)`

Workaround: You can use the edit user page to locate and add the missing user. When editing a user's profile, try searching for the user in the desired field by their first or last name. The Dashboard displays all users in the **Manager** and **Direct Reports** fields.

Org Chart Buttons for a Level 2 or Higher Relationship Hierarchy is Missing

Issue: For a level 2 (or higher) relationship, the organization chart does not show the options to choose a relationship for viewing, navigate to the next level in the relationship hierarchy, send emails, and view more information about that entity. This issue is seen when the hierarchical depth in the **General Settings** is set to a level 2 (or higher). `(Bug 707006)`

Workaround: To view the org chart buttons for the level 2 (or higher) relationship, search for level 2 user/entity in the organization chart.

SSPR Image Requires Forceful Deletion, Normal Deletion Results in an Error

Issue: In the SSPR 4.7.0.0-ea container, deletion of the image throws the following error:

```
Error response from daemon: conflict: unable to delete f3945cb841cb (must
be forced) - image is referenced in multiple repositories
```

`(Bug 713002)`

Workaround: You can delete the SSPR image by using the following command:

```
docker rmi -f <sspr-image-id>
```

User Application Driver Version and Copyright Information is Outdated

Issue: The User Application Driver's version and copyright information are out-of-date even after the installer upgrades it to version 4.8.7. Since the driver is updated, you can ignore the issue. `(Bug 579078)`

Workaround: You can check the rpm version to verify whether the driver has been upgraded. Execute the following command to check: `rpm -q netiq-DXMLuad`

Workflow Engine Fails to Start When the Database is on MS SQL Server

Issue: The following error is displayed while upgrading Identity Manager on Windows:

```
16:23:40.460 [main] ERROR com.sssw.portal.servlet.WorkflowBootServlet -
[WORKFLOW] Runtime exception initializing.
com.netiq.common.i18n.LocalizedRuntimeException: Error starting engine.
```

…..

```
Caused by: com.novell.soa.af.EngineException: Engine Id [engine-3]: Error
persisting engine state.
```

```
Caused by:
com.netiq.persist.PersistenceException:java.lang.IllegalArgumentException:
id to load is required for loading
```

```
Caused by: java.lang.IllegalArgumentException: id to load is required for
loading
```

This error happens because the `hibernate-workflow.cfg.xml` file in the `C:\NetIQ\idm\apps\tomcat\conf` folder is not updated correctly during the upgrade. As a result, the Workflow Engine fails to start. It is only observed on the Microsoft SQL Server database when upgrading to Identity Manager version 4.8.7. `(Bug 604002)`

This issue will be addressed in an upcoming release. For more information, see KM000012324 (https://portal.microfocus.com/s/article/KM000012324?language=en_US).

Events are Lost Due to Database Transaction Error

Issue: Due to the DB transaction errors, the events are lost. `(Bug 500208)`

Workaround: Perform the following steps to resolve this issue:

1. From CEF audit events, for the DCS Driver, search with `Status Error driver\-general` and `CEFReason` value that contains `com.netiq.persist.`
2. From the results, extract the identity information and perform the migration operation of those identities.

Remote Loader Reports Invalid Driver Object Password After Upgrade

Issue: After upgrading Remote Loader to version 4.8.7 on a Windows platform, it is unable to connect to the Active Directory driver using the basic authentication password. `(Bug 570031)`

Workaround: After upgrading Identity Manager to 4.8.7, perform the following steps:

1 Stop the Remote Loader instance on the Remote Loader server.

2 Reset the driver object password and the Remote Loader password.

3 Start the Remote Loader instance for the Active Directory driver.