OpenIDM 2.1.2 Release Notes

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Abstract

Notes covering OpenIDM software requirements, fixes, known issues. The OpenIDM project offers flexible, open source services for automating management of the identity life cycle.

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Chapter 1
What's New in OpenIDM 2.1.2

OpenIDM 2.1.2 is a maintenance release that resolves a number of issues, including security issues in OpenIDM. It is strongly recommended that you update to this release to make your deployment more secure, and to take advantage of important functional fixes. ForgeRock customers can contact support for help and further information.

Before you install OpenIDM or update your existing OpenIDM installation, read these release notes. Then update or install OpenIDM.

For installation instructions and several samples to familiarize you with the features, see the *OpenIDM 2.1.0 Installation Guide*.

For an architectural overview and high-level presentation of OpenIDM, see the *Architectural Overview* chapter in the *OpenIDM 2.1.0 Integrator's Guide*.

1.1 New Features

Compared to the OpenIDM 2.1.1 release, OpenIDM 2.1.2 fixes a number of issues and provides the following new feature:

- OPENIDM-957: Ability to launch startup.sh and cli.sh from any directory

1.2 OpenIDM Documentation

You can read the following additional product documentation for OpenIDM 2.1.0 online at http://docs.forgerock.org.

- OpenIDM 2.1.0 Release Notes
- OpenIDM 2.1.0 Installation Guide
- OpenIDM 2.1.0 Integrator's Guide

Chapter 2
Before You Install OpenIDM Software

This chapter covers prerequisites for installing and running OpenIDM software.

For OpenIDM 2.1.2, the following configurations are supported for use in production.

Repository

The following JDBC repositories are supported for use in production:

- MySQL 5.1 or 5.5 with Connector/J 5.1.18 or later
- Microsoft SQL Server 2008 Express
- Oracle Database 11g Enterprise Edition

OrientDB is provided for evaluation only.

Stand-alone installation

You must install OpenIDM as a stand-alone service, using Apache Felix and Jetty as provided. Alternate containers are not supported.

This OpenIDM release bundles Jetty version 7.6.2.v20120308.

Connectors

OpenIDM 2.1.2 comes packaged with these OpenICF connectors:

- CSV File
- LDAP

- Scripted SQL
- XML File
- Database Table

ForgeRock provides additional connectors, as listed on the OpenICF project connectors site.

If you have a special request to support a component or combination not listed here, contact ForgeRock at info@forgerock.com.

OpenIDM requires Java SE JDK 6 update 24 or later. When using the Oracle JDK, you also need Java Cryptography Extension (JCE) policy files.

On Windows systems, use Java SE JDK 7 update 6 or later, to take advantage of a recent JVM fix relating to non-blocking sockets with the default Jetty configuration.

You need 150 MB disk space and 1 GB memory for an evaluation installation. For a production installation, disk space and memory requirements will depend on the size of the repository, and on size of the audit and service log files that OpenIDM writes.

Chapter 3

OpenIDM Fixes, Limitations, & Known Issues

Note

The current list of fixes and issues reflects OpenIDM 2.1.2 in progress as of January 22, 2015.

OpenIDM issues are tracked at https://bugster.forgerock.org/jira/browse/OPENIDM.

3.1 Fixes and Improvements

OpenIDM 2.1.2 includes the following major fixes and improvements.

- OPENIDM-2776: Install path with space not handled correctly in shutdown.sh
- OPENIDM-2500: properties set as encrypted in managed.json written in plain text in activity audit when new and old values are the same
- OPENIDM-2480: Enable READ_COMITTED_SNAPSHOT isolation w/MSSQL
- OPENIDM-2127: Switching existing schedule from persisted=false to persisted=true results in duplicate scheduled jobs.
- OPENIDM-1915: Add ability to configure the HTTP session timeout for the OpenIDM UI

- OPENIDM-1907: Recon failures as a result of policy violations do not indicate the cause of the violation in the recon audit log.
- OPENIDM-1885: onUnlink trigger throws NPE if invoked for SOURCE_MISSING situation (action=UNLINK) during target reconciliation
- OPENIDM-1755: Recon target phase is always single threaded regardless of the number of configured taskThreads
- OPENIDM-1739: Changes made to target objects by onLink triggers should be persisted if the situation action is UPDATE
- OPENIDM-1665: Startup failure when connectors directory contains arbitrary sub-directories
- OPENIDM-1663: Deadlock within OpenIDM when updating managed users w/ MSSQL as the repository
- OPENIDM-1658: Hard-coded reference to database schema and table name in jdbc config files
- OPENIDM-1655: External Rest Service erroneously sets the remote auth ChallengeScheme to HTTP_COOKIE instead of HTTP_BASIC
- OPENIDM-1652: Policy violation doesn't prevent managed objects creation
- OPENIDM-1647: LiveSync fails when using Generic LDAP Connector if readSchema=false
- OPENIDM-1629: Policy cannot-contain-others raises an exception when one of the fields to check against is absent
- OPENIDM-1624: Linux rc script generated by create-openidm-rc.sh fails to shutdown OpenIDM when installed to a directory other than 'openidm'
- OPENIDM-1584: java.lang.OutOfMemoryError exception
- OPENIDM-1583: OpenIDM should not enforce the REAUTH_REQUIRED policy for openidm-cert role.
- OPENIDM-1563: Task scanner creates a new thread pool for each execution resulting in a thread leak.
- OPENIDM-1433: OpenIDM renames entry on update (OpenIDM ICF glue code sets __NAME__ to __UID__)
- OPENIDM-1416: Default onCreate script of UI sets the accountStatus to 'active', overrides the value of the managed user attribute
- OPENIDM-1281: Query for "get-by-field-value" is incorrect

- OPENIDM-1256: additionalPolicies option in policy.json not working
- OPENIDM-1236: ScriptableList: cannot put 0 (zero) index element
- OPENIDM-1170: Linux startup script generator is not working correctly
- OPENIDM-1147: Install path with space not handled correctly in startup.sh
- OPENIDM-969: Console login fails and leaves OpenIDM in unusable state

3.2 Limitations

OpenIDM 2.1.2 has the following known limitations:

- A conditional GET request, with the `If-None-Match` request header, is not currently supported.
- The keystore password, the truststore password and the secret key passwords must all be set to the same value. If you use different passwords, OpenIDM is unable to read the required keys and certificates.
- Connectors generally use the global JVM settings for keystore and truststore, rather than the settings that are specified in the `boot.properties` file. You can work around this by specifying a path to the keystore or truststore in the `conf/system.properties` file. For example:

```
# Set the truststore
javax.net.ssl.trustStore=/path/to/openidm/security/truststore
```

3.3 Known Issues

OpenIDM 2.1.2 has the following known issues.

- OPENIDM-2789: Update schedule failed with PUT
- OPENIDM-2788: Allow OpenAM (or an agent thereof) to log a user out of OpenIDM
- OPENIDM-2784: Dynamically generated query syntax using _queryFilter for all jdbc repos needs to be reworked to use inner joins instead of exists clauses
- OPENIDM-2779: Reconciliation page doesn't load after new session created
- OPENIDM-2778: Single Record Reconciliation (testSyncDialog) overlays Login when session timeouts
- OPENIDM-2777: Update Authentication Section to include explanation of OPENIDM header fields, SPNEGO

- OPENIDM-2775: Add missing copyright headers in bin/default Javascript files
- OPENIDM-2773: Any QueryFilter request for any managed object will return results for all objects
- OPENIDM-2769: Internal Server Error when decrypting keypair during PUT of signed certificate
- OPENIDM-2767: cannot unselect a row in analysisGrid once it has been selected
- OPENIDM-2766: analysisGrid doesn't show updated values after Reconcile Selected Record has been performed
- OPENIDM-2746: Please test and document uninstall procedure for password sync plugins
- OPENIDM-2745: Generating CSR multiple times results in error
- OPENIDM-2734: ConnectorInfoManager should respect the META-INF of the bundle and not pull in "private" connector classes
- OPENIDM-2730: clean useless/confusing openidm-admin section of process-access.json
- OPENIDM-2722: several samples are not working properly with sample configuration for MySQL explicit mapping
- OPENIDM-2719: openidm.create script function does not go through policy validation
- OPENIDM-2718: Create user in DJ via LDAP connector with different ID in URL and payload leads to 500 but user is created anyway
- OPENIDM-2712: password validation policy not executed by POST request with PATCH action
- OPENIDM-2711: OpenIDM/OpenAM integration: Request to handle redirection better
- OPENIDM-2710: OpenIDM/OpenAM integration: Request to implement single logout
- OPENIDM-2705: Cli.sh configureconnector is broken
- OPENIDM-2704: Random failures on recon on Ubuntu (status 400 + "Unknown mapping type, no mappings configured"
- OPENIDM-2703: PostgreSQL count operation is extremely slow

- OPENIDM-2695: Usecase repo config files missing updated entries
- OPENIDM-2692: Add Managed Object screen allows MO names with spaces
- OPENIDM-2690: When using a record delimiter other than "" the last audit log entry attribute is always null.
- OPENIDM-2685: Use Case 5 not working with Java 8 (effective role assignment failing)
- OPENIDM-2684: User List Filters are Case Sensitive
- OPENIDM-2681: queryFilters on access and activity Audit with MS-SQL as repo are not working
- OPENIDM-2678: Properties with private scope exposed over REST
- OPENIDM-2677: Probleme in the reconciliation
- OPENIDM-2669: Admin UI: Spelling Error in Connector Configuration
- OPENIDM-2667: UI didn't save baseContextsToSynchronize and cause livesync failed with AD/LDAP connector
- OPENIDM-2663: OpenAM Sample UI Does NOT work with OpenAM 11
- OPENIDM-2637: OpenID Connect Auth Module is shown in the Admin UI, but is not supported
- OPENIDM-2607: Validating the connector configuration from the UI fails for Sample 3
- OPENIDM-2595: OpenIDM failed to start-up during installation
- OPENIDM-2593: RuntimeException using OSGI Service for datasource
- OPENIDM-2590: Missing records in LDAP cause Data Association Management grid to fail
- OPENIDM-2569: When OpenIDM is started with a provisioner.openicf.connectorinfoprovider.json file, the required bundle is not loaded correctly
- OPENIDM-2560: Required script file fields for Scripted Groovy Connector configuration preventing validation
- OPENIDM-2549: unexpected results for queryFilters on integer properties when using JDBC repo
- OPENIDM-2515: OpenAM Sample: 500 error

- OPENIDM-2502: Instructions associated with RC init creation script are incomplete
- OPENIDM-2496: When SSL is enabled on LDAP connector with right CA certificate, validation failed on UI
- OPENIDM-2349: Implement openidm.xx() method resolution running in the remote Activiti engine
- OPENIDM-2348: Implement external webapp for the remote Activiti server
- OPENIDM-2347: Implement OpenIDM -> external resource communication
- OPENIDM-2265: Got "ORA-01843: not a valid month" while trying to liveSync from Oracle database
- OPENIDM-2244: AD PW Sync Setup script wizard fails when browsing for a PKCS12 format certificate file
- OPENIDM-2034: Support arbitrary [commons] auth modules via className
- OPENIDM-2028: The .NET Connector Server Exception displays an incorrect connector error
- OPENIDM-2016: sync on unsupported object class with remote java connector returns 500 instead of 400
- OPENIDM-2005: OpenICF query filter does not support literal expressions
- OPENIDM-1981: Importing all config files with CLI configimport fails with Java 8
- OPENIDM-1898: Representation of request-object differs between code and json-representation
- OPENIDM-1860: Null pointer exception when setting target attribute during onUnlink
- OPENIDM-1823: getScriptBindings function of ServiceScript (ScriptRegistryImpl.java) slows down extremely when accessed paralell from multiple threads
- OPENIDM-1742: Launching a recon by ID on a non-existent ID is not handled correctly
- OPENIDM-1664: Memory usage of AD connector continue to increase.
- OPENIDM-1632: create-openidm-logrotate.sh is not properly defined
- OPENIDM-1619: OperationOptions specified within the provisioner configuration are not passed to connectors by OpenIDM

- OPENIDM-1600: Cluster with Oracle DB backend
- OPENIDM-1562: Route to endpoint service not found if there is a resourcename after the name of the endpoint
- OPENIDM-1488: XDate locales could not be initialized correctly
- OPENIDM-1465: cannot access Remote Activiti engine - http://localhost:9090/openidm-workflow-remote-2.1.0-SNAPSHOT/, because of 500 - Internal server error
- OPENIDM-1445: Provisioner service does not decrypt encrypted attributes before passing them to OpenICF framework
- OPENIDM-1430: OpenIDM needs a restart after importing a new cert via REST API
- OPENIDM-1269: some issues with Case Sensitivity options for Sync
- OPENIDM-1219: DB/Config bootstrapping should use IdentityServer support for getting properties, including boot prop
- OPENIDM-1186: PATCH with POST using MVCC are successful even if revision wrong
- OPENIDM-1165: EXCEPTION action when doing liveSync stops the synctoken processing
- OPENIDM-1074: disabling automatic polling for changes of config file not possible on new install
- OPENIDM-848: Conflicting behavior might be observed between the default fields set by the onCreate script and policy enforcement
- OPENIDM-470: OpenIDM cannot rename objects - if the identifier of the object changes, the associated link breaks

Chapter 4

How to Report Problems & Provide Feedback

If you have questions regarding OpenIDM which are not answered by the documentation, there is a mailing list which can be found at https://lists.forgerock.org/mailman/listinfo/openidm where you are likely to find an answer.

If you have found issues or reproducible bugs within OpenIDM 2.1.2, report them in https://bugster.forgerock.org.

When requesting help with a problem, please include the following information:

- Description of the problem, including when the problem occurs and its impact on your operation
- Machine type, operating system version, Java version, and OpenIDM release version, including any patches or other software that might be affecting the problem
- Steps to reproduce the problem
- Any relevant access and error logs, stack traces, or core dumps

Chapter 5
Support

You can purchase OpenIDM support subscriptions and training courses from ForgeRock and from consulting partners around the world and in your area. To contact ForgeRock, send mail to info@forgerock.com. To find a partner in your area, see http://forgerock.com/partners/find-a-partner/.