

# **OpenIDM 2.1.1 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 2.1.1

OpenIDM 2.1.1 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 *Installation Guide*.

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

## 1.1. New Features

Compared to the OpenIDM 2.1.0 release, OpenIDM 2.1.1 fixes a number of issues. OpenIDM 2.1.1 also provides the following new features.

- The maximum number of retries can now be specified for a liveSync operation, and a dead letter queue can be configured for failed liveSync records. (OPENIDM-1326)
- The audit service REST API has been extended to support read and query operations on audit log entries. (OPENIDM-1282)
- OpenIDM now supports resource renaming. (OPENIDM-1200)
- Support for Oracle DB as an internal repository.

## 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



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## Chapter 2. Before You Install OpenIDM Software

This chapter covers prerequisites for installing and running OpenIDM software.

For OpenIDM 2.1.1, 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 2.1.1 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](mailto: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.

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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.



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## Chapter 3. OpenIDM Fixes, Limitations, & Known Issues

### Note

The current list of fixes and issues reflects OpenIDM 2.1.1 in progress as of December 20, 2013.

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

### 3.1. Fixes and Improvements

OpenIDM 2.1.1 includes the following major fixes and improvements.

- Support for Oracle DB as an internal repository.
- OPENIDM-1515: MVCC is broken when using MSSQL as the OpenIDM repository.
- OPENIDM-1502: Audit log entries with same activitydate
- OPENIDM-1433: OpenIDM renames entry on update (OpenIDM ICF glue code sets `__NAME__` to `__UID__`)
- OPENIDM-1432: Missing uinotification table within Oracle `openidm.sql` schema
- OPENIDM-1415: Need to enable cascade delete on foreign keys within Oracle schema
- OPENIDM-1381: Audit log does not correctly record the 'before' state of system objects when calling `openidm.update()`.
- OPENIDM-1367: Multiple `boot.properties` files loaded at startup when alternate project location specified via the '-p' parameter
- OPENIDM-1326: The maximum number of retries can now be specified for a liveSync operation, and a dead letter queue can be configured for failed liveSync records
- OPENIDM-1309: On mysql 5.6 db init script raises a "Specified key was too long" on creation of index of auditactivity table
- OPENIDM-1298: Reconciliation should re-use the executor, and explicitly shut it down at the end

- OPENIDM-1287: Scheduler null pointer exception
- OPENIDM-1283: External/rest requests to endpoints which return non-200 responses result in errors
- OPENIDM-1282: The audit service REST API has been extended to support read and query operations on audit log entries
- OPENIDM-1247: Policy Service property validation on a property with no configured policy results in a `TypeError`
- OPENIDM-1208: UI is inoperable in IE8 due to lowercase request headers
- OPENIDM-1200: OpenIDM now supports resource renaming
- OPENIDM-1185: Internal Server error while patching an object's attribute with mysql as repository
- OPENIDM-1176: Disabled schedules via dynamic scheduler API disappear

## 3.2. 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 2.1.1 has the following known issues.

- OPENIDM-1536: Support for multiple roles for a single user
- OPENIDM-1535: Incomplete `handleQuery` implementation in `ScriptedRequestHandler`
- OPENIDM-1513: Inconsistency in script context: request object has different representations

- OPENIDM-1510: Errors while loading saved context from json object
- OPENIDM-1504: OpenICFProvisionerService handle method performs logger.isDebugEnabled() checks but logs at the error level
- OPENIDM-1501: sync? action=performAction with an action=DELETE results in a delete on the source rather than the target
- OPENIDM-1495: Am unable to login into openidmui web
- OPENIDM-1489: Command line needs to allow supplying user/pwd
- OPENIDM-1483: Pool size settings not effective for OrientDB repo
- OPENIDM-1476: Internal patch retry process in managed objects fails
- OPENIDM-1452: Incorrect bundleVersion in provisioner config yields confusing error
- OPENIDM-1445: Provisioner service does not decrypt encrypted attributes before passing them to OpenICF framework
- OPENIDM-1437: Policy service not called at the right time
- OPENIDM-1430: OpenIDM needs a restart after importing a new cert via REST API
- OPENIDM-1399: Logging into working directory not working when using -w command line option
- OPENIDM-1398: ad plugin using old conventions for calling openidm patch operation to set password
- OPENIDM-1390: Unable to parse boolean configuration values from custom OpenICF provisioner
- OPENIDM-1380: opendj-accountchange-handler schema does not load schema provided after install
- OPENIDM-1379: ADD operation failed for OpenDJ account notification handler
- OPENIDM-1329: OrientDB as repo does not initialize if there is no network connection
- OPENIDM-1269: some consequences of OPENIDM-456
- OPENIDM-1265: liveSync process should never get stuck because of exceptions with the synchronizationListener.

- OPENIDM-1219: DB/Config bootstrapping should use IdentityServer support for getting properties, including boot prop
- OPENIDM-1218: Audit filter on eventTypes for recon.csv does not work properly
- OPENIDM-1201: REST commands return 500 error code in sync/create/update when situation is marked as EXCEPTION.
- 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-1133: Certain sample files contain unnecessary, unused entries
- OPENIDM-1117: Malformed content-type request header produces 500 error
- OPENIDM-1098: onDelete script generates exception
- OPENIDM-1096: A PUT command on a configuration object may return an incorrect value
- OPENIDM-1093: A user's accountStatus (active or inactive) has no effect on the UI or the REST API
- 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-803: For reconciliation, the default DELETE action does not delete target objects when targets are ambiguous, including UNQUALIFIED situations, if there is more than one target
- OPENIDM-1511: Policy.java overwrites the action parameter of async recon
- OPENIDM-1507: Logging level change to FINE causes NullPointerException in OrientDBRepoService
- OPENIDM-1503: InvalidCredentialException thrown from OpenICFProvisionerService uses 500 HTTP error code
- OPENIDM-1444: json schema package needs to specify export version and import version ranges

- OPENIDM-1417: Throwing 401 exception in augment security context javascript ends up being a 500 in the response
- OPENIDM-1416: Default onCreate script of UI sets the accountStatus to 'active', overrides the value of the managed user attribute
- OPENIDM-1413: In async recon starter script (workflow.js) the query of the already running instances is executed before all it's parameters are set
- OPENIDM-1412: Missing 'not undefined' check for sourceId and targetId in async recon workflow starter script (workflow.js)
- OPENIDM-1411: Add not null check to async recon starter script (workflow.js) for sourceId query parameter, fill businessKey field of the workflow when starting a new workflow
- OPENIDM-1361: Exception from UI when a workflow started by scheduler has a user task in it
- OPENIDM-1338: Validation for create without objectId is always true
- OPENIDM-1293: OpenIDMELResolver should use component.name to bind JavaDelegate implementations instead of component.id
- OPENIDM-1281: Query for "get-by-field-value" is incorrect
- OPENIDM-1267: Add Enum and DateFormType specific data to the taskdefinitions returned by Activiti
- OPENIDM-1245: Align openidm and activiti contract on scripting(openidm.action() and openidm.patch() failed in a workflow on managed object.)
- OPENIDM-1236: ScriptableList: cannot put 0 (zero) index element
- OPENIDM-1210: Directly-assigned workflow tasks disappear when "Requeue" button is hit
- OPENIDM-1190: Disable Quartz update check by default
- OPENIDM-1184: sample/sample3 and sample/provisioner use hardcoded path in provisioner configuration.
- OPENIDM-1175: IE9 and below aggressively cache AJAX requests, causing the UI to behave strangely
- OPENIDM-1174: Some UI Features are Indistinguishable From Plaintext
- OPENIDM-1170: Linux startup script generator is not working correctly

- OPENIDM-1162: With OrientDB, for a MISSING/CREATE situation/action, reconciliation creates a new link instead of using an existing link
- OPENIDM-1147: Install path with space not handled correctly in startup.sh
- OPENIDM-1141: OrientDB config bootstrap repository does not use .json config file, only properties
- OPENIDM-1129: OpenIDM freezes when the connection to the repository is interrupted
- OPENIDM-1126: Listing reconciliation tasks endpoint sends back a JSON with an extra "progress" level
- OPENIDM-1115: When an LDAP user is created through the REST API, the `_id` that is returned is not normalized
- OPENIDM-1111: Empty OpenIDM response (HTTP 204) causes response parser to fail
- OPENIDM-1110: Immediate dll password change request has wrong content-length value
- OPENIDM-1109: Password needs to be valid JSON string after decryption
- OPENIDM-1100: Site images need to be changeable/extensible without re-packaging the UI
- OPENIDM-1094: Starting a second OpenIDM instance with a conflicting port causes the instance to freeze
- OPENIDM-1087: ObjectMapping's call-back action does not support sync-based use-cases
- OPENIDM-1083: Update with PUT on managed user returns the qualified id rather than the local id only
- OPENIDM-1062: Issue with credential-query using Oracle
- OPENIDM-1021: Wrong starting arguments during start could throw an error or warning.
- OPENIDM-969: Console login fails and leaves OpenIDM in unusable state
- OPENIDM-964: An incorrect password in boot.properties causes OpenIDM to hang on startup

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## 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 2.1.1, 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





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## 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](mailto:info@forgerock.com). To find a partner in your area, see <http://forgerock.com/partners/find-a-partner/>.

