OpenICF 1.1.1.0 Release Notes

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Software release date: December 16, 2012

Publication date: December 17, 2012

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Abstract

Notes covering OpenICF prerequisites, fixes, known issues. Open Identity Connector Framework provides connectors for a consistent generic layer between applications and target resources.

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Chapter 1. What's New in OpenICF 1.1.1.0

This release of OpenICF includes the following enhancements and new features.

- OPENICF-62: Improve the performance - Disable LocalCache
- OPENICF-40: Update the Apache Commons Daemon binary in OpenICF Java assembly
- OPENICF-38: Make more useable the return objects of the ScriptExecutors
- OPENICF-37: Package the OpenICF .Net Connector server
- OPENICF-34: AD Connector should be able to run PowerShell script for the RunScriptOnResource operation
- OPENICF-32: ScriptedSQL connector should validate connection to the database
- OPENICF-31: ScriptedSQL connector needs a debug mode where scripts are reloaded when invoked
- OPENICF-30: ScriptedSQL connector autocommit mode to be configurable
- OPENICF-25: Add simple heartbeat facility
- OPENICF-18: Improve and unify the maven build and artifacts
- OPENICF-16: Connector adds a arbitrary number of empty lines to the XML files wenn writing to it.
- OPENICF-15: Output fields always quoted with valueQualifier
- OPENICF-4: Add optional MVCC support

Chapter 2. Before You Install OpenICF Software

This chapter covers prerequisites for installing and running OpenICF software. If you have a special request to support a component or combination not listed here, contact ForgeRock at info@forgerock.com.

2.1. Java Requirements

OpenICF requires Java Development Kit 1.6. ForgeRock has tested this release primarily with Oracle Java SE JDK.

2.2. Connector Server Requirements

If you choose to run an OpenICF connector server, then read this section.

2.2.1. .NET Connector Servers

.NET Connector Servers require the following:

- Windows Server 2003 or 2008
- .NET Framework 3.5 or later (but not 4.0 or later)

Specific .NET connector bundles might come with additional requirements.

2.2.2. Java Connector Servers

Java Connector Servers require Java 1.5 or later.

Specific Java connector bundles might come with additional requirements.

2.3. Supported Connectors to Data Resources

This section covers the basic data resources that OpenICF connectors support.

Many advanced connectors not listed in this section are also available, including connectors for IBM Resource Access Control Facility (RACF), IBM Tivoli Access Manager (TAM), SAP, a wide range of databases, as well as enterprise and cloud applications. If you require support for a data resource connector not mentioned here, contact ForgeRock at info@forgerock.com.

ForgeRock has tested connectors with the following data resources.

- Database Table
- File CSV

- File XML
- LDAP
- Microsoft Active Directory (tested with the .NET connector server on Windows 2008)
- Scripted SQL

Chapter 3. OpenICF Fixes, Limitations, & Known Issues

OpenICF issues are tracked at https://bugster.forgerock.org/jira/browse/OPENICF.

3.1. Fixes

OpenICF 1.1.1.0 fixes the following bugs.

- OPENICF-60: Typo and schema error in XML resource schema
- OPENICF-59: NPE when the AttributeInfo is null
- OPENICF-57: Solaris connector bad usage of log.ok(<format>,args..) can lead to exceptions
- OPENICF-53: escape / in DN entry
- OPENICF-50: clear text password is not properly passed to create/update scripts
- OPENICF-48: Can't change the secret key on Java Connector server.
- OPENICF-45: Throw UnknownUidException if the connector tries to update a non existing entry
- OPENICF-36: Create/Update LDAP user with groups can fail and leaves a partially modified user object.
- OPENICF-35: Read of AD Group without members fails
- OPENICF-33: Scripted connector does not recognises the multi valued attributes if they are Collections
- OPENICF-27: Fix the broken communication between Java and .Net
- OPENICF-24: Memory leak in AD Connector and/or .Net Connector Server
- OPENICF-23: Reading AD groups with more than 1500 members fails with NPE
- OPENICF-22: Header values randomly switch between being quoted and unquoted
- OPENICF-21: XML Connector throws exception when trying to query an XML File with user containing apostrophe.

- OPENICF-20: Once an output CSV file reaches 658 lines long, any further rows are output with an extra newline character between them.
- OPENICF-14: CSVFileConnector - fieldDelimiter of "|" causes connector to fail
- OPENICF-10: Default to handle missing file as an error rather than creating an empty default
- OPENICF-9: CSV File Connector writes one newline to much per record
- OPENICF-1: ClassNotFoundException in OSGi environment with org.identityconnectors.framework.impl.api.local.BundleClassLoader

3.2. Limitations

No particular limitations are identified for this release.

3.3. Known Issues

The following known issues remained open at the time of release.

- OPENICF-61: XML Connector throws errors when using special characters in user account.
- OPENICF-54: Powershell scripts - missing stdole.dll
- OPENICF-42: Fix and update the common Active Directory attribute support
- OPENICF-2: ICF throwing "invisible" exceptions

Chapter 4. OpenICF Compatibility

This chapter covers both major changes to existing functionality, and also deprecated and removed functionality.

4.1. Major Changes to Existing Functionality

This release includes no major changes affecting compatibility.

4.2. Deprecated Functionality

No functionality is deprecated in OpenICF 1.1.1.0.

4.3. Removed Functionality

No functionality has been removed in OpenICF 1.1.1.0.

Chapter 5. How to Report Problems & Provide Feedback

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

If you have found issues or reproducible bugs within OpenICF 1.1.1.0, 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, connector or connector server version, connector server container and version, Java version, and OpenICF 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 6. Support

You can purchase OpenICF 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://www.forgerock.com/partners.html.