Identity Bridge 1.1 Release Notes

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Document Lifetime

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Identity Bridge Release Notes

These notes provide information specific to this Identity Bridge release.

Information about how to install and use Identity Bridge can be found in the Identity Bridge Getting Started guide and the Identity Bridge Studio help.

What is Identity Bridge?

Identity Bridge is a general purpose data synchronization and provisioning solution, designed to provide seamless integration of data between heterogeneous business systems across your enterprise and beyond.

It is a platform independent Java application made up of two components: the synchronization engine and a graphical user interface, Identity Bridge Studio (IBS). IBS is used to build and maintain projects, while the synchronization engine can be run independently to deploy projects as batch processes that can be scheduled by operating system specific task schedulers such as Windows Scheduler or cron.

All changes in Identity Bridge 1.1

This section lists all the changes and issues resolved in Identity Bridge 1.1, released in November 2015.

New features

IB-42: A visual indicator has been added to fields in the Task tab, to show when workspace resource parameters are being overridden. See the [Specify source and target resource schemas](#) topic for more details.

IB-49: It is now possible to specify an attribute identifier or a list of identifiers on which to sort records in LDAP resources using server side sorting. See the Connectors and Resources > LDAP Resources > Additional (Connector) Parameters topic in the Identity Bridge Studio in-application help for more details.

IB-58: Identity Bridge Studio and the Identity Bridge engine now both run with Java Runtime Environment (JRE) version 1.8.

IB-59: Identity Bridge now supports a script-based connector. This is a generic connector that takes a user-defined script as the only parameter. The script based connector is ideal for quick integrations and for prototyping, prior to implementing a complete custom connector. To find out more about script-based connectors in Identity Bridge contact ViewDS support.

IB-65: Scripting hooks have been added to facilitate the auditing of synchronisation results. See the

Creating New Functions topic in the Identity Bridge Studio in-application help for more details.

IB-72: Identity Bridge now provides support for developing custom connectors. This is done by exposing a Java API that developers can use to implement connectors that are not supported out of the box by Identity Bridge. Custom connectors allow users to integrate Identity Bridge with legacy and emerging systems without requiring any changes or upgrades to the Identity Bridge engine. To find out more about custom connectors in Identity Bridge contact ViewDS support.

IB-77, IB-204: A number of new built-in functions have been added including ones to obtain data from a URL, append content to binary and text files and obtain the path of the current Workspace directory. See the Built-in functions topic or the Built-in Functions topic in the Identity Bridge Studio in-application help for more details.

IB-82: Variables may now contain JSON formatted strings that result in a java array object being available within the project script. See the Variables topic for more details.

IB-83: The searchByLDAP function has been enhanced to allow non-string values to be obtained. See the Built-in Functions > $context.searchByLDAP topic in the Identity Bridge Studio in-application help for more details.

IB-94: Enhancements have been made to simplify the task of adding attribute names to schema. See the Specify source and target resource schemas topic for more details.

IB-96:The dropdown lists for the Name and Internal Reference fields in schema tables are now searchable. Simply start typing to see matching options.

IB-97: A default value of dn is now provided as the DN Reference for LDAP resources.

IB-106: Project variables can now be used in connector parameters.

IB-170: A new Quick Search feature has been added to Identity Bridge Studio. See the Quick Search topic for more details.

Bug fixes

IB-28: Previously, the schema could not be loaded for LDIF sources. This has been resolved.

IB-29: Previously, LDIF files generated by the LDIF connector were missing the version line. This has been resolved.

IB-31: Previously, specifying multiple Key Fields for SQL connectors caused tasks to fail with SQL Syntax Errors. This has been resolved.

IB-32: The link to viewds.com on the About page now works correctly.

IB-35: The Remove option in the Workspace Functions Palette did not work properly and has been removed.

IB-36: Previously, null pointer exceptions could cause Save Project failures. This has been resolved.

IB-38: Numerous changes have been made to the Design View to improve usability.

IB-39: Problems with logging binary bytes have been resolved.

IB-40: Previously, copying a resource from the Project into the Workspace changed the name of the original Project resource. This has been resolved.

IB-41: The previous restrictions on the names of resources and tasks have been removed. Now any non-empty string is valid.

IB-43: The Save All button is now enabled consistently, whenever unsaved changes are present in the current tab.

IB-48, IB-155: Numerous improvements have been made to the way changes are saved on and when moving between tabs.

IB-55: Previously, LDAP resources were unable to handle slash characters in DNs. This has been resolved.

IB-56: Previously, the SQL connector created an entry for null database values, resulting in unnecessary updates when synchronising with LDAP targets. This has been resolved.

IB-63: Numerous improvements have been made to LDAP Changelog processing.

IB-78: Previously, Identity Bridge always reported that it Successfully established the Test Connection when testing a StartTLS+UserPassword connection for LDAP resource regardless of the correctness of the user password. This has been resolved.

IB-104: Previously, Identity Bridge would continue to process a record, even though the processing JavaScript function failed. This has been resolved.

IB-123: Previously, it was not possible to synchronize information into the root entry of an LDAP target. This has been resolved.

IB-126: Previously, Identity Bridge would fail to recreate delta tables that were deleted by an initialization

function. This has been resolved.

IB-131: Problems with running tasks containing field-level functions have been resolved.

IB-137: Invalid tasks (such as those which have LDAP Changelog, Active Directory Change Detection or Delta Data Store resources as targets) can no longer be created via the New Task context menu option.

IB-151: Identity Bridge is now able to use binary attributes as the target key.

IB-156: Identity Bridge now handles the Internal type BOOLEAN for LDAP connectors correctly.

Known Issues

Below is a summary of the known issues and limitations in Identity Bridge 1.1

Identity Bridge reports success rather than failure if it attempts to delete a non-existent entry from an LDAP target

When completing a task, Identity Bridge will log the number of successful operations and the number of failures. For example:

```
2013-12-12 07:56:42,466 [Default RequestProcessor] INFO : ViewDS@Tar-
get : Target finished running with succeeded record count = 1756 [
NONE = 1755 ,CREATE = 1 ,UPDATE = 0 ,DELETE = 0 ], failed record
count = 0
```

If Identity Bridge attempts to delete an entry from an LDAP target and that entry does not exist, then it will not detect the failure and will instead report it as a success. This behaviour is due to the Java Naming and Directory Interface (JNDI) conveying a successful outcome when it attempts to delete an entry that doesn't exist, rather than flagging it as an error.

Text entered in column cells in the schema mapping table on the Schema sub-tab is not committed when you click in another column

This problem is the result of a known issue in JRE 1.8:

https://bugs.openjdk.java.net/browse/JDK-8058525

The workaround is to press ENTER when you have finished editing cells in a particular column, before you click in another column.