

Release Notes



IBM[®] Tivoli[®] Identity Manager i5/OS Adapter

Version 4.6.11

Tenth Edition (December 11, 2009)

This edition applies to version 4.6 of this Adapter and to all subsequent releases and modifications until otherwise indicated in new editions.

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Preface

Welcome to the IBM Tivoli Identity Manager i5/OS Adapter.

These Release Notes contain information for the following products that was not available when the IBM Tivoli Identity Manager manuals were printed:

- IBM Tivoli Identity Manager i5/OS Adapter Installation and Configuration Guide

Adapter Features and Purpose

The i5/OS Adapter is designed to create and manage i5/OS (OS/400) user profiles on the iSeries platform. The adapter is preconfigured to manage i5/OS via the i5/OS LDAP Administrative interface.

IBM recommends the installation of this Adapter (and the prerequisite Tivoli Directory Integrator) on each node of an Identity Manager WAS cluster. A single copy of the adapter can handle multiple i5/OS Services. The optimum deployment configuration is based, in part, on the iSeries infrastructure of your enterprise, but the primary factor is the planned structure of your Identity Manager Provisioning Policies and Approval Workflow process. Please refer to the Identity Manager Policy, Organization & Administration Guide for a discussion of these topics.

The i5/OS Adapter is a powerful tool that requires Administrator Level authority. The Adapter operates much like a human system administrator, creating and modifying user profiles. Operations requested from the Identity Manager server will fail if the Adapter is not given sufficient authority to perform the requested task. IBM recommends that this Adapter run with administrative permissions.

Contents of this Release

Adapter Version

Component	Version
Release Date	December 11, 2009
Adapter Version	4.6.11
Comm. Libraries	Adapter Version: 4.6.1012 Profile Version: 4.6.1012 Dispatcher Version: 5.120
Documentation	I5/OS Adapter Installation and Configuration Guide v4.6.0 SC32-0199-00

New Features

Enhancement # (FITS)	Description
	Items included in current release
	None
	Items included in 4.6.5 release
	<p>29547 - RMI Dispatcher Object port made configurable instead of randomly using any port. With this change the dispatcher can be accessed even if it is behind a firewall.</p> <p>To use this feature, the following parameter in solution.properties has to be configured: <code>com.ibm.di.dispatcher.objectPort=1080</code></p> <p>(1080 should be replaced with the desired port number. The default value 0 means a random port is selected at runtime.)</p>
	Items included in release 4.6.4
	Default ITDI location should be displayed on the service form
	<p>The following attributes are now multi-valued: <code>audit level</code>, <code>setjobattr</code>, <code>useroptions</code>, <code>supplementary group profile</code>, and <code>special authority</code>.</p> <p>Account form is changed so that editable list is shown instead of text box for <code>useroptions</code>, <code>supplementary group profile</code>, <code>special authority</code></p> <p>CAUTION: do not install this version of the adapter until you have read the "Converting to Multi-Valued Attributes" section (below).</p>

Enhancement # (FITS)	Description
	Items included in release 4.6.3
	I5/OS Adapter now supports TDI v6.1.1
	Added support for TDI on zLinux
	Items included in release 4.6.0
MR040605201	OS400: Create an SSL based agent to replace the FTP version.
	New Adapter

Closed Issues

DevTrack	APAR#	PMR# / Description
		Items closed in current version
	IZ61713	35474,487,000 Adapter has issue with an asterisk at the front of a textual value for the attribute erOS400text.
		Items closed in 4.6.10 version
	N/A	46408,379,000 TDI iterator error hook error message incorrect
	N/A	46408,379,000 Adapter does not terminate Recon after first search failed error.
	N/A	N/A Added workaround in all hooks for java script error - context not associated with current thread.
	N/A	N/A Add dispatcher enhancements to service form: Dispatcher parameters are added on the service form. These attributes are: <ul style="list-style-type: none"> -> RXA Internal Command TimeOut -> Disable AL Cache -> AL File System Path -> Max Connection Count Please refer to dispatcher release documentation for more information.
	IZ59129	51761,344,000 Attribute eraccountstatus is not being return on reconciliation using i5OS TDI-based adapter.

DevTrack	APAR#	PMR# / Description
		Items closed in 4.6.9 version
	IZ32732	83038,211,788 ERLASTACCESSDATE is not in generalized time format. Also updated erOS400PwdLastChanged and the erOS400PwdExpDate. See "Date Formats" in the Configuration Notes section of this document for additional information.
		Items closed in 4.6.8 version
	IZ25972	72280,999,616 Text/accounting code fields not being correctly delimited when a single quote is present in the data.
		Items closed in 4.6.7 version
	IZ25277	64023,999,616 Password resets are failing if special characters are used in the PW.
		Items closed in 4.6.6 version
	N/A	NOTE: Dispatcher version 5.007 (or higher) is required. Dispatcher must be reinstalled (included in the release package).
	IZ00030	N/A Add constraints for invalid character "/" for service name attribute.
	N/A	(internal) Following filters are now mapped correctly for reconcile operation erIDIOS400Group should reconcile user groups eruid=* filter should reconcile user accounts erIDIOS400Account filter should reconcile user accounts
	N/A	(internal) operation code for attribute value level 'u' is replaced with AV_UNCHANGED for add/mod AL's

DevTrack	APAR#	PMR# / Description
		Items closed in 4.6.5 version
N/A	IZ04522	31549,756,000 "UnsupportedClassVersionError" is reported in Dispatcher log. (Fix: Dispatcher updated to v5.004)
N/A	IZ05451	94256,500,000 "Failed" status is sent back to TIM server by OS400 adapter even though the account actually gets created on the remote server. Error occurs if supGrpPrfAttr is NULL.
29560 29342	N/A	N/A 29560 - Added serialVersionUID fields to Serializable classes in Dispatcher and Dispatcher-client. (Fix: Dispatcher updated to v5.004) 29342 - LdapAdapter assembly line removed during large reconciliation (Fix: Dispatcher updated to v5.004)
		Items closed in version 4.6.4
26534	N/A	N/A Password appears in clear text in the ibmdi.log.
		Items closed in version 4.6.3
N/A	IY97931	45710,499,000 Multivalued attribute audit level not reconciled correctly.
22324	N/A	N/A Problem starting and stopping Dispatcher on Solaris. See "Known Issues" section for more information.
23072	N/A	N/A ITIMAd stop does not stop the ITIDI instance on Solaris.
		Items closed in version 4.6.2
N/A	IY95031	27857,499,000 Multivalued attributes UserOptions and SetJobAttr not reconciled correctly.
		Items closed in version 4.6.1
N/A	IY91319	66483,442,000 Accounts reconciled as inactive on V5R2 systems. PwdExpInterval does not support *NOMAX value.
		Items closed in version 4.6.0
		None

Known Issues

DevTrack	APAR#	PMR# / Description
		This version of the i5/OS adapter has not been translated and has not been tested for double-byte character compatibility.
		Starting/Stopping the Adapter on Solaris Solaris operating environments have an 80 character limitation on the output of the “ps” command. If the ps command is truncated, the script may not be able to locate TDI and the adapter. IM recommends installing TDI at or near the top of the directory root to shorten the length of the ps output.
		TDI Monitoring Console NOTE: when using the TDI Application Monitoring Console, the RMI traffic to TDI is rerouted to port 1099. This may affect the operation of the TIM TDI-based adapters. Two options are available: (1) Change the TIM Service form for the TDI-based adapters to specify port 1099 (instead of the default 16231, or (2) configure the Application Monitoring Console to listen on port 16231 by modifying the api.remote.nameing.port property in the solution.properties file.

Installation and Configuration Notes

See the IBM Tivoli Identity Manager “i5/OS Adapter Installation Guide” for detailed instructions.

Corrections to Installation Guide

NOTE: Dispatcher version 5.007 or higher is required.

Dispatcher must be reinstalled (included in the release package) if you are running version 5.006 or earlier.

The following corrections to the Installation Guide apply to this release:

This release contains an additional installation program not mentioned in the Installation and Configuration Guide. If you are running TDI on platforms other than Linux or Windows, please run the java-based install as directed below. Run this installation program on the server in which Tivoli Directory Integrator is installed.

Dispatcher_win	Installation program for Windows.
Dispatcher_linux	Installation program for Linux.
DispatcherInstall.jar	Installation program for other platforms.

NOTE: the DispatcherInstall.jar is a java-based installer. Please ensure that java is installed and properly configured for your system. Launch the install with the following command.

```
Java -jar DispatcherInstall.jar
```

Converting to Multi-Valued Attributes

This version of the adapter changes the directory representation of several attributes from single to multi-valued. Conversion of all existing i5OS accounts is required. The Recon will convert these values automatically. Please proceed as follows:

1. Discontinue all provisioning activity for all i5OS Services
2. Disable Policy enforcement on the i5OS Services
3. Install the new i5OS profile and Dispatcher.
4. Run a successful full recon on each i5OS Service
5. View an i5OS account and verify that Supplemental Groups are displayed as multiple values
6. Modify all provisioning policies for i5OS Services to use the new multi-valued format. (this is required only for policies that control audit level, setjobattr, useroptions, supplemental group profile, or special authority)
7. Ensure that provisioning policies have been modified correctly before enabling “Correct Noncompliance” options. It is recommended that you run at least one Recon in “Mark Noncompliance” mode to ensure accounts are evaluated as expected.

Configuration Notes

NOTE: This adapter interfaces to the i5/OS via LDAP. The iSeries systems typically install LDAP as part of the operating system and enable it by default. Brief instructions on how to start and stop the LDAP process are included in the "i5/OS Adapter Installation and Configuration Guide." Please see "iSeries Navigator" for additional information.

NOTE: When making changes to the ITIM i5/OS service form (i.e. selecting or clearing the Use-SSL options), the ITIM TDI Adapter Dispatcher process must be restarted. Please see the “i5/OS Adapter Installation and Configuration Guide” for instructions on how to stop/start the “ITIMAD” process.

Date Formats

On i5Os resource, the values for date format, date string separator and the Time string separator can be customized. The supported values on resource as follows.

date format= YMD, MDY, DMY and jul

date separator="/" , "." , "-" , "-"

```
time separator= ":" , " " , ":"
```

The default supported values for the attributes are as follows.

```
date format= "YMD"
```

```
date separator= "/"
```

```
time separator= ":"
```

If the values on resource are same, then no customization will be required. The adapter can be used as it is. If the values on user set-up are different, the service profile can be customized to add their system specific values by following steps below.

- Import the service profile in TIM thr the Import UI.
- In TIM UI Go to Configure System > Design Forms
- Select the required service from service list.
- In right most attribute list panel select eros400dateformat, eros400dateseparator, eros400timeseparator attributes
- Click on add row button to add them to the required tab on service form.
- Provide the appropriate values for the attributes while service creation.

NOTE: Julian date format is not supported.

Supported Configurations

Installation Platform

The IBM Tivoli Identity Manager Adapter was built and tested on the following product versions.

Adapter Installation Platform:

This adapter installs into Tivoli Directory Integrator (TDI) and may be installed on any platform supported by the TDI product. IBM recommends installing TDI on each node of the ITIM WAS Cluster and then installing this adapter on each instance of TDI.

TDI 6.1.1 with Fix Pack 3 or higher

Note: TDI 6.0 and 6.1 are no longer supported.

Managed Resource:

i5/OS V5R3

i5/OS V5R4

IBM Tivoli Identity Manager:

ITIM Express v4.6.0 or later

ITIM Enterprise v4.6.0 with FixPack 4.6.0-TIV-TIM-IF0033 or higher

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End of Release Notes