Release Notes

IBM® **Tivoli**® **Identity Manager**

I5/OS Adapter

Version 5.0.9

First Edition (January 9, 2012)

This edition applies to version 5.0 of Tivoli Identity Manager and to all subsequent releases and modifications until otherwise indicated in new editions.

Contents

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 accounts on System I. The adapter runs in "agentless" mode and communicates using HTTP to the systems being managed.

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 deployment configuration is based, in part, on the topology of your network domain, but the primary factor is the planned structure of your Identity Manager Provisioning Policies and Approval Workflow process. Please refer to the Identity Manager Information Center for a discussion of these topics.

The Identity Manager adapters are powerful tools that require administrator level authority. Adapters operate much like a human system administrator, creating accounts, permissions and home directories. 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 (root) permissions.

Contents of this Release

Adapter Version

Component	Version
Release Date	January 9, 2012
Adapter Version	5.0.9
Component Versions	Adapter Version: 5.0.1015 Profile Version: 5.0.1015 Connector Version: none (uses TDI LDAP Connector) Dispatcher Version: 5.120 or higher
Documentation	Directory Integrator-Based i5/OS Adapter Installation and Configuration Guide SC23-6151-00 Password Synchronization for i5/OS Plug-in Installation and Configuration Guide SC23-6159-00

New Features

Enhancement # (FITS)	Description
	Items included in current release
MR1019104348	i5/OS: for IBM i 7.1
	Items included in 5.0.8 release
	Updated i5/OS PW Sync Plug-In
	Items included in 5.0.2 through 5.0.7 release
	None
	Items included in 5.0.1 release
	Initial release for Tivoli Identity Manager v5.0

Closed Issues

Internal	APAR#	PMR# / Description
		Items closed in current version
RTC 40462	IV03246	i5OS pwd in clear text in logs when error occurs with password change
		Items closed in 5.0.8 version
		None
		Items closed in 5.0.7 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 5.0.6 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: 　　　　-> 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 5.0.5 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 5.0.4 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 5.0.3 version
	IZ25277	64023,999,616 Password resets are failing if special characters are used in the PW.
		Items closed in 5.0.2 version
	N/A	**NOTE: Dispatcher version 5.007 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 opearation 　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
		Items closed in 5.0.1 version
		None

Known Issues

DevTrack	APAR#	PMR# / Description
		Editing adapter profiles on UNIX or Linux. The adapter profile JAR file may contain ASCII files created using MS-DOS ASCII format (i.e. schema.dsml, CustomLabels.properties, and service.def). If you edit a MS-DOS ASCII file in Unix you will often see the characters ^M at the end of each line. This is the extra character 0x0d that is used to indicate a new line of text in MS-DOS. There are tools, such as dos2unix, that can be used to strip out the ^M character. In addition, there are text editors that will ignore the ^M character. If you are using the vi editor, you can strip out the ^M character as follow: From the vi's command mode: :%s/^M//g followed by pressing Enter. The ^M (or Ctrl-M) typed to show it here should actually be entered by pressing ^v^M in sequence. (The ^v preface tells vi to use the next keystroke literally instead of taking it as a command.)
		During a modify transaction, when one value of a multi-valued attribute fails , the values in Tivoli Identity Manager may not be reflected correctly on the account form. Affects attributes: Special Auth, Supplementary Groups, User Options.
		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 Adapter Installation Guide" for detailed instructions.

Corrections to Installation Guide

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

NOTE: Dispatcher version 5.007 or higher is required.
Dispatcher must be reinstalled (included in the release package) if you are on version 5.006 or earlier.

Managing Password when Restoring Accounts

On Page 13 of ins_i5os_46.pdf and Page 16 of i5os50.pdf, there is a typographical error. The word "property" must be all lower case. The lines should read as follows:

```
<property Name = "com.ibm.itim.remoteservices.ResourceProperties.
PASSWORD_NOT_REQUIRED_ON_RESTORE"><value>true</value> </property>
<property Name = "com.ibm.itim.remoteservices.ResourceProperties.
PASSWORD_NOT_ALLOWED_ON_RESTORE"><value>false</value> </property>
```

Configuration Notes

The following configuration notes apply to this release:

Updating Adapters from Version 4.6

Tivoli Directory Integrator version 6.1.1 is a prerequisite to run the 5.0 adapters. To upgrade the adapter from a Tivoli Identity Manager 4.6 installation, perform the following:

1. If the Tivoli Directory Integrator is not version 6.1.1, take the appropriate actions to upgrade it.

2. Install all the adapter's components, as described in the installation guide, on the Tivoli Directory Integrator version 6.1.1. The installer will replace any previous installation.

3. Import the adapter profile into the Tivoli Identity Manager 5.0.

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.

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

NOTE: Julian date format is not supported.

Customizing or Extending Adapter Features

The Identity Manager adapters can be customized and/or extended. The type and method of this customization may vary from adapter to adapter. The capabilities are described below.

Getting Started

Customizing and extending adapters requires a number of additional skills. The developer must be familiar with the following concepts and skills prior to beginning the modifications:

- Tivoli Identity Manager administration
- Tivoli Directory Integrator management
- Tivoli Directory Integrations assemblyline development
- LDAP schema management
- Working knowledge of Java scripting language
- Working knowledge of LDAP object classes and attributes
- Working knowledge of XML document structure

Note: If the customization requires a new Tivoli Directory Integrator connector, the developer must also be familiar with Tivoli Directory Integrator connector development and working knowledge of Java programming language.

Tivoli Identity Manager Resources:
> Check the "Learn" section of the Tivoli Identity Manager Support web site for links to training, publications, and demos.

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Tivoli Identity Manager Adapter Development:
> Adapter Development Tool
>> The Adapter Development Tool, ADT, is a tool used by IBM Tivoli Identity Manager customers and consultants to create custom TIM adapters. It reduces adapter delivery time by about 50% and it helps in the development of custom adapters. The Adapter development tool is available on the IBM Open Process Automation Library (OPAL).

Support for Customized Adapters

The integration to the Identity Manager server – the adapter framework – is supported. However, IBM does not support the customizations, scripts, or other modifications. If you experience a problem with a customized adapter, IBM Support may require the problem to be demonstrated on the GA version of the adapter before a PMR is opened.

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 and may be installed on any platform
   supported by the Tivoli Directory Integrator product. IBM recommends installing Tivoli Directory
   Integrator on each node of the WebSphere cluster and then installing this adapter on each
   instance. Supported Tivoli Directory Integrator versions include:

   Tivoli Directory integrator 6.1.1 with Fix Pack 3

Managed Resource:
   System I   i5/OS V5R4
   System I   i5/OS V6R1
   System I   i5/OS V7R1

IBM Tivoli Identity Manager:
   Identity Manager v5.0

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End of Release Notes