

# Release Notes

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IBM® Tivoli® Identity Manager

Cisco Unified Communications Manager Adapter

## ***Version 5.1.4***

**First Edition (December 14, 2012)**

This edition applies to version 5.1 of Tivoli Identity Manager 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 Cisco Unified Communications Manager 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 Cisco Unified Communications Manager Adapter Installation and Configuration Guide

## Adapter Features and Purpose

The Cisco Unified Communications Manager Adapter is designed to create and manage accounts on Unified Communications Manager (UCM). The adapter runs in “agentless” mode installed remotely from your UCM server. The adapter uses the Administrative XML Layer (AXL) API to establish communication with the Cisco Unified Communications Manager server. The AXL API provides a mechanism for adding, retrieving, updating, and removing data from the Cisco Unified Communications Manager

IBM recommends the installation of this Adapter (and the prerequisite Tivoli Directory Integrator) on each node of an Identity Manager WebSphere cluster. A single copy of the adapter can handle multiple Identity Manager 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.

## Service Groups Management

The ability to manage service groups is a new feature introduced in TIM 5.1. By service groups, TIM is referring to any logical entity that can group accounts together on the managed resource.

Managing service groups implies the following:

- Create service groups on the managed resource.
- Modify attribute of a service group.
- Delete a service group.

Note that service group name change is not supported in TIM 5.1 release.

**The Cisco UCM adapter does not support service groups management.**

## Contents of this Release

### ***Adapter Version***

Component	Version
Release Date	December 14, 2012
Adapter Version	5.1.4
Component Versions	Adapter Build            5.1.4 Profile                    5.1.4 Connector:                5.1.4 Dispatcher:               5.123 or higher (packaged separately)
Documentation	Directory Integrator-Based Cisco Unified Communications Manager Adapter Installation and Configuration Guide (SC23-9623-00)  Directory Integrator-Based Cisco Unified Communications Manager Adapter User Guide (SC23-9624-00)

## New Features

Enhancement # (FITS)	Description
	<b>Items included in current release</b>
N/A	Support UCM 8.5. Older versions of UCM are not supported in this release.
N/A	There is now a single adapter for both TDI 6.1.1 and 7.0
	<b>Items included in 5.1.3 release</b>
N/A	<p>Adapter is enhanced to support code page of resource. This enhancement is done with reference to the PMR 39776,820,820 ITIM Adapt. Cisco UCM 5.1.2 UTF-8 error during recon.</p> <p>Note: Adapter is enhanced to manage code page conversions while processing the request and response from the Cisco Unified Communications Manager Server.</p>
N/A	<p>Adapter is enhanced to support adapter-based filtering for simple filters with First Name (givenname) or Last Name(sn).</p> <p>Note: For complex filters Dispatcher based filtering will take place.</p>
OSDB	Installer migrated from ISMP to Install Anywhere.
N/A	This version supports the multiple dispatcher instance feature.
	<b>Items included in 5.1.2 release</b>
	None
	<b>Items included in 5.1.1 release</b>
	Initial release for Tivoli Identity Manager v5.1

**Closed Issues**

Internal#	APAR#	PMR# / Description
		<b>Items closed in current release</b>
	IZ73409	39624,820,820 Configuration of Cisco Unified Call reconciliation fails. UCM adapter script error when connection fails to resource.
		<b>Items closed in 5.1.2 release</b>
	N/A	N/A Updated release notes.
		<b>Items closed in 5.1.1 release</b>
		None

**Known Issues**

Internal#	APAR#	PMR# / Description
N/A	N/A	<p><b>Modifying PIN/Digest Credentials</b>  ITIM 5.0/5.1 Issue: If left blank, the Pin/Digest Credentials sensitive attributes in User account class come as delete operation from ITIM during modify request.</p> <p>Workaround:  Follow the steps below to use Pin/Digest Credentials sensitive attributes on User account form as text attributes. Once converted to type "text" the attributes are sent properly by TIM:</p> <p>A) Modify erCiscoUniComMgrAccount.xml file present CiscoUniComMgrProfile Jar file  1. Uncomment the Pin and DigestCredential form element definitions.  2. Replace type="password" with type="text" for both the attributes</p> <p>B) Refer to the information center or the online help for specific instructions for creating the CiscoUniComMgrProfile jar.</p> <p>C) Refer Installation Guide Chapter:2 Section :Importing the adapter profile into the IBM Tivoli Identity Manager server  for importing the CiscoUniComMgrProfile into the IBM Tivoli Identity Manager server</p>
N/A	N/A	<p><b>Suspend / Restore</b>  Cisco Unified Communications Manager ITDI Adapter does not support Suspend/Restore function in TIM. This is because there is no provision on Cisco server to suspend an user account.</p>
N/A	N/A	<p><b>Resource connection timeout</b>  Sometimes connection timeout occurs with the resource for an operation, and the operation will remain in pending states temporarily. Eventually the adapter will retry the operation and if it is successful, the status of the operation will shows SUCCESS, however the result details will show the following message: "CTGIMT211E The account was not modified due to a system error: Connection timed out: connect".</p>
N/A	N/A	<p><b>Adding a device that is deleted from resource</b>  UCM8.5 returns SUCCESS when the adapter adds to user a device that is deleted. Therefore ITIM will incorrectly shows that the device has been added. Reconciling will correct this issue.</p>

## Installation and Configuration Notes

See the IBM Tivoli Identity Manager Adapter Installation Guide” for detailed instructions.

### ***New Installation Instructions***

This release of the adapter does not include an installer. Please follow the instructions below to install the connector:

1. Extract Adapter-CiscoUniComMgr-5.1.4.zip into a temporary folder.
2. Stop the Tivoli Directory Integrator RMI Dispatcher service that is used by the Adapter. On windows, this can be done via the Microsoft Management Console (services.msc) and stopping the service named “IBM Tivoli Directory Integrator (TIM Adapters)”
3. Copy **CiscoUniComMgrConnector.jar** to the *TDI\_HOME*\jars\connectors folder.
4. Restart the Tivoli Directory Integrator RMI Dispatcher service that is used by the Adapter.



## ***Configuration Notes***

The following configuration notes apply to this release:

### **Code Page Support**

For the enhancement to support code page of the resource, schema of Cisco Unified Communication Manager Adapters schema is extended. The following attribute is defined in schema.dsml and added to “erCUCMRMIService” class.

The following new label has been added in “CustomLabels.properties”:

**“Code Page to be used for data encoding(Default to UTF-8)”**  
for attribute **ercucmencoding**

## 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.

### 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 Integrator Assembly Line 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.

Tivoli Directory Integrator Resources:

Check the “Learn” section of the [Tivoli Directory Integrator Support web site](#) for links to training, publications, and demos.

Tivoli Identity Manager Adapter Development:

Adapter Development Tool

The Adapter Development Tool, ADT, is a tool used by IBM Tivoli Identity Manager (ITIM) 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.

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

This adapter installs into Tivoli Directory Integrator (TDI) and may be installed on any platform supported by the TDI product and supported by the target system libraries or client, where applicable. IBM recommends installing TDI on each node of the ITIM WAS Cluster and then installing this adapter on each instance of TDI. Supported TDI versions include:

Adapter Installation Platform:

Tivoli Directory Integrator v6.1.1 with Fix Pack 6 or higher

Managed Resource:

Cisco Unified Communications Manager v6.0.1

IBM Tivoli Identity Manager:

Identity Manager v5.1

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