

**RSA Identity Governance and Lifecycle Connector Data
Sheet
for
IBM Tivoli Identity Manager 5.1**



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Revision History

Revision Number	Description
Version 1.0	ITIM and added instructions for configuring the RSA Identity Governance and Lifecycle ITIM Connector.
Version 1.1	Updated document with minimum version support.

Purpose

This data sheet provides the configuration information required to create a new *IBM Tivoli Identity Manager (ITIM) 5.1* Web Service based Connector.

Supported Software

RSA Identity Governance and Lifecycle Version: 7.0.0 and above.

Application: *IBM Tivoli Identity Manager 5.1 (ITIM 5.1)*

Prerequisites

- Install ITIM with associated components: WebSphere 6.1 with Fix pack 23, ITDS or ODS LDAP, DB2 or Oracle or MySQL server database and TDI if required
 - Please refer installation and configuration document : http://www-304.ibm.com/support/knowledgecenter/SSTFWV_5.1.0/com.ibm.itim.doc/pdf/im51_install.pdf
- Note: Make sure that Web Service Application is also deployed along with ITIM 5.1 application on WebSphere.

Configuration

The Connector creation is made up of three sections:

General – General details about the Connector; viz. the name, type etc.

Settings – The connection settings required to connect RSA Via Lifecycle and Governance to the Endpoint Application in consideration.

Capabilities – These are the list of “verbs” or capabilities that the RSA Via Lifecycle and Governance Connector supports; for e.g. “Create, Update, Delete, etc.”

General

The following table helps you with the Parameters asked on the “General” screen while creating the Connector.

Field Name	Value
Name	IBM Tivoli Identity Manager 5.1
Description	IBM Tivoli Identity Manager 5.1 web service based connector
Server	AFX Server

Connector Template	ITIM51
State	Active
Export As Template	N/A

Settings

The following table helps you with the Parameters asked on the “Settings” screen while creating the Connector.

Field Name	Value
<i>Host</i>	Hostname or IP of the machine hosting the ITIM Default value: localhost
<i>Port</i>	Port number of ITIM Service e.g. 9080
<i>Web Service Name</i>	Name of the deployed web service application e.g. ITIMWebServices
<i>ITIM Administrator User Name</i>	ITIM Administrator Username e.g. ITIM Manager
<i>ITIM Administrator User Password</i>	ITIM Administrator User Password
<i>LDAP Server Root</i>	LDAP Server Root e.g. dc=com
<i>LDAP Tenant Id</i>	LDAP Tenant Id e.g. Aveksa
<i>ITIM Person attribute name</i>	ITIM Person's attribute name which will be used to map the Aveksa User. Note: The attribute name is case sensitive. Default value: uid
<i>ITIM Account attribute name</i>	ITIM Account's attribute name which will be used to map the Aveksa Account. Note: The attribute name is case sensitive. Default Value: eruid

<i>ITIM Role attribute name</i>	ITIM Role's attribute name which will be used to map the Aveksa Account. Note: The attribute name is case sensitive. Default Value: erolename
<i>ITIM Service attribute name</i>	ITIM Service's attribute name which will be used to map the Aveksa Application. Note: The attribute name is case sensitive. Default Value: erservicename

Capabilities

The following table(s) helps you with the Parameters asked when enabling the commands (verbs) on the “Capabilities” screen; while creating the Connector.

Following commands are supported by ITIM 5.1 AFX connector:

Command Name	Limitations	Note
<i>CreateAccount</i>	NA	<i>User has to manually add account parameters which are specific to the service of ITIM 5.1 for CreateAccount command.</i>
<i>DeleteAccount</i>	NA	NA
<i>UpdateAccount</i>	NA	<i>User has to manually add account parameters which are specific to the service of ITIM 5.1 for UpdateAccount command.</i>
<i>EnableAccount</i>	NA	<i>User has to manually add password parameter which is specific to the service of ITIM 5.1 for EnableAccount command.</i>
<i>DisableAccount</i>	NA	NA
<i>ResetPassword</i>	NA	<i>User has to manually add password parameter which is specific to the service of ITIM 5.1 for ResetPassword command.</i>
<i>AddAccountToGroup</i>	NA	NA
<i>RemoveAccountFromGroup</i>	NA	NA
<i>CreateGroup</i>	NA	<i>User has to manually add group parameters which are specific to the service of ITIM 5.1 for CreateGroup command.</i>
<i>DeleteGroup</i>	NA	NA

<i>CreateRole</i>	NA	NA
<i>AddRoleToRole</i>	NA	NA
<i>RemoveRoleFromRole</i>	NA	NA
<i>AddUserToRole</i>	NA	NA
<i>RemoveUserFromRole</i>	NA	NA
<i>Delete Role</i>	<i>Web-services integration approach doesn't support delete role.</i>	NA

Note: The ITIM server only returns whether the request for particular capability is successfully submitted to the server. It does not guarantee whether the command is successfully executed or failed.

Command Input Parameters

While defining the following capability or verbs, certain parameters need to be defined. The following tables will help you define these parameters for mention capability. Each table is dedicated to one parameter.

1. CreateAccount

Field Name	Value
Parameter Name	<i>Owner</i>
Type	<i>STRING</i>
Default Value	NA
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	<i>User Id</i>
Mapping	<i>\${User.User_Id}</i>

Description: N/A	ITIM user ID
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Field Name	Value
Parameter Name	<i>Service</i>
Type	<i>STRING</i>
Default Value	<i>NA</i>
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	<i>Service Name</i>
Mapping	<i>\${Application.Name}</i>
Description: N/A	Name of the service running on ITIM

Field Name	Value
Parameter Name	<i>Account</i>
Type	<i>STRING</i>
Default Value	<i>NA</i>
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	<i>Account Id</i>
Mapping	<i>\${Account.Name}</i>

Description: N/A	Account Id
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Note: Depending upon the service for which an account is created, parameters are added during runtime through its template and those parameters are accepted through account the template

Name	Data Type	Required	Value
Owner	STRING	✓	AEnglish
Service	STRING	✓	FuncTest_Do_not_delete
AccountProfile	STRING	✓	LdapAccount
cn	STRING		testuser
sn	STRING		testuser
eruid	STRING		testuser

Example:

2. DeleteAccount

Field Name	Value
Parameter Name	<i>Account</i>
Type	<i>STRING</i>
Default Value	<i>NA</i>
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	<i>Account Id</i>
Mapping	<i>\${Account.Name}</i>
Description: N/A	Value of ITIM service account ID

Field Name	Value
Parameter Name	<i>Service</i>
Type	<i>STRING</i>
Default Value	<i>NA</i>
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	<i>Service Name</i>
Mapping	<i>\${Application.Name}</i>
Description: N/A	Name of the service running on ITIM

3. UpdateAccount

Field Name	Value
Parameter Name	<i>Account</i>
Type	<i>STRING</i>
Default Value	<i>NA</i>
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	<i>Account Id</i>
Mapping	<i>\${Account.Name}</i>
Description: N/A	Value of ITIM service account ID

Field Name	Value
Parameter Name	Service
Type	STRING
Default Value	NA
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	Service Name
Mapping	<i>\${Application.Name}</i>
Description: N/A	Name of the service running on ITIM

Note: Depending upon the service for which an account is updated, parameters are added during runtime through its template and those parameters are accepted through the account template

The screenshot shows a configuration window for a test named 'Update an account'. The 'Command' is also 'Update an account'. Below this, there are settings for 'Number of iterations' (1) and 'Timeout test in' (60 seconds). A table lists parameters:

Name	Data Type	Required	Value
Service	STRING	✓	FuncTest_Do_not_delete
Account	STRING	✓	LDAPAccount
sn	STRING		UpdateUser

The 'sn' parameter row is highlighted with a red border.

Example:

4. EnableAccount

Field Name	Value
Parameter Name	<i>Account</i>
Type	<i>STRING</i>
Default Value	<i>NA</i>
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	<i>Account Id</i>
Mapping	<i>\${Account.Name}</i>
Description: N/A	Value of ITIM service account ID

Field Name	Value
Parameter Name	<i>Service</i>
Type	<i>STRING</i>
Default Value	<i>NA</i>
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	<i>Service Name</i>
Mapping	<i>\${Application.Name}</i>
Description: N/A	Name of the service running on ITIM

Field Name	Value
Parameter Name	<i>Password</i>
Type	<i>STRING</i>
Default Value	<i>NA</i>
Is the parameter required?	No
Is the parameter encrypted?	No
Display Name	<i>New Password</i>
Mapping	<i>Map New Password to new Password</i>
Description: N/A	ITIM service account's new password

5. DisableAccount

Field Name	Value
Parameter Name	<i>Account</i>
Type	<i>STRING</i>
Default Value	<i>NA</i>
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	<i>Account Id</i>
Mapping	<i>\${Account.Name}</i>

Description: N/A	Value of ITIM service account ID
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Field Name	Value
Parameter Name	<i>Service</i>
Type	<i>STRING</i>
Default Value	<i>NA</i>
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	<i>Service Name</i>
Mapping	<i>\${Application.Name}</i>
Description: N/A	Name of the service running on ITIM

6. ResetPassword

Field Name	Value
Parameter Name	<i>Account</i>
Type	<i>STRING</i>
Default Value	<i>NA</i>
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	<i>Account Id</i>

Mapping	<i>\${Account.Name}</i>
Description: N/A	Value of ITIM service account ID

Field Name	Value
Parameter Name	<i>Service</i>
Type	<i>STRING</i>
Default Value	<i>NA</i>
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	<i>Service Name</i>
Mapping	<i>\${Application.Name}</i>
Description: N/A	Name of the service running on ITIM

Note: Depending upon the account for which a password is reset, parameters are added during runtime through its template and those parameters are accepted through the account template. These parameters may vary depending on the service and profile created on ITIM Server.

The screenshot shows a configuration window for the test 'Reset Password of an account'. It includes a table of parameters with the following data:

Name	Data Type	Required	Value
Account	STRING	✓	LdapAccount
Service	STRING	✓	FuncTest_Do_not_delete
New Password	STRING	✓	Test@1234

Example:

7. AddAccountToGroup

Field Name	Value
Parameter Name	<i>Account</i>
Type	<i>STRING</i>
Default Value	<i>NA</i>
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	<i>Account Id</i>
Mapping	<i>\${Account.Name}</i>
Description: N/A	Value of ITIM service account ID

Field Name	Value
Parameter Name	<i>Group</i>
Type	<i>STRING</i>
Default Value	<i>NA</i>
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	<i>Group Name</i>
Mapping	<i>\${Group.Name}</i>
Description: N/A	Value of ITIM group ID with respective service name

Field Name	Value
Parameter Name	<i>GroupProfile</i>
Type	<i>STRING</i>
Default Value	<i>NA</i>
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	<i>Group Profile</i>
Mapping	<i>\${Group.Profile}</i>
Description: N/A	Group Profile name

Field Name	Value
Parameter Name	<i>Service</i>
Type	<i>STRING</i>
Default Value	<i>NA</i>
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	<i>Service Name</i>
Mapping	<i>\${Application.Name}</i>
Description: N/A	Name of the service running on ITIM

8. RemoveAccountFromGroup

Field Name	Value
Parameter Name	<i>Account</i>
Type	<i>STRING</i>
Default Value	<i>NA</i>
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	<i>Account Id</i>
Mapping	<i>\${Account.Name}</i>
Description: N/A	Value of ITIM service account ID

Field Name	Value
Parameter Name	<i>Group</i>
Type	<i>STRING</i>
Default Value	<i>NA</i>
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	<i>Group Name</i>
Mapping	<i>\${Group.Name}</i>

Description: N/A	Value of ITIM group ID with respective service name
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Field Name	Value
Parameter Name	<i>GroupProfile</i>
Type	<i>STRING</i>
Default Value	<i>NA</i>
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	<i>Group Profile</i>
Mapping	<i>#{Group.Profile}</i>
Description: N/A	Group Profile name

Field Name	Value
Parameter Name	<i>Service</i>
Type	<i>STRING</i>
Default Value	<i>NA</i>
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	<i>Service Name</i>

Mapping	<i>\${Application.Name}</i>
Description: N/A	Name of the service running on ITIM

9. CreateGroup

Field Name	Value
Parameter Name	<i>Service</i>
Type	<i>STRING</i>
Default Value	<i>NA</i>
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	<i>Service Name</i>
Mapping	<i>\${Application.Name}</i>
Description: N/A	Name of the service running on ITIM

Field Name	Value
Parameter Name	<i>Group</i>
Type	<i>STRING</i>
Default Value	<i>NA</i>
Is the parameter required?	Yes

Is the parameter encrypted?	No
Display Name	<i>Group Name</i>
Mapping	<i>\${Template.GroupName}</i>
Description: N/A	Value of ITIM group ID with respective service name to be created

Field Name	Value
Parameter Name	<i>GroupProfile</i>
Type	<i>STRING</i>
Default Value	<i>NA</i>
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	<i>Group Profile</i>
Mapping	<i>\${Group.Profile}</i>
Description: N/A	Particular ITIM service group profile required for group creation

Note: Depending upon the service for which an account is created, parameters are added during runtime through its template and those parameters are accepted through account the template

10. DeleteGroup

Field Name	Value
Parameter Name	<i>Service</i>
Type	<i>STRING</i>
Default Value	<i>NA</i>
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	<i>Service Name</i>
Mapping	<i>\${Application.Name}</i>
Description: N/A	Name of the service running on ITIM

Field Name	Value
Parameter Name	<i>Group</i>
Type	<i>STRING</i>
Default Value	<i>NA</i>
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	<i>Group Name</i>
Mapping	<i>\${Template.GroupName}</i>

Description: N/A	Value of ITIM group ID with respective service name
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Field Name	Value
Parameter Name	<i>GroupProfile</i>
Type	<i>STRING</i>
Default Value	<i>NA</i>
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	<i>Group Profile</i>
Mapping	<i>#{Group.Profile}</i>
Description: N/A	Particular ITIM service group profile required for group creation

11. CreateRole

Field Name	Value
Parameter Name	<i>Role</i>
Type	<i>STRING</i>
Default Value	<i>NA</i>
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	<i>Role Name</i>

Mapping	<i>#{Role.Name}</i>
Description: N/A	ITIM role name

12. AddRoleToRole

Field Name	Value
Parameter Name	<i>ParentRole</i>
Type	<i>STRING</i>
Default Value	<i>NA</i>
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	<i>Parent Role Name</i>
Mapping	<i>#{Role.Name}</i>
Description: N/A	ITIM role name

Field Name	Value
Parameter Name	<i>ChildRole</i>
Type	<i>STRING</i>
Default Value	<i>NA</i>
Is the parameter required?	Yes

Is the parameter encrypted?	No
Display Name	<i>Child Role Name</i>
Mapping	<i>\${Role.Name}</i>
Description: N/A	ITIM role name

13. RemoveRoleFromRole

Field Name	Value
Parameter Name	<i>ParentRole</i>
Type	<i>STRING</i>
Default Value	<i>NA</i>
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	<i>Parent Role Name</i>
Mapping	<i>\${Role.Name}</i>
Description: N/A	ITIM role name

Field Name	Value
Parameter Name	<i>ChildRole</i>
Type	<i>STRING</i>

Default Value	NA
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	<i>Child Role Name</i>
Mapping	<i>\${Role.Name}</i>
Description: N/A	ITIM role name

14. AddUserToRole

Field Name	Value
Parameter Name	<i>Role</i>
Type	<i>STRING</i>
Default Value	NA
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	<i>Role Name</i>
Mapping	<i>\${Role.Name}</i>
Description: N/A	ITIM role name

Field Name	Value
Parameter Name	<i>UserName</i>
Type	<i>STRING</i>
Default Value	<i>NA</i>
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	<i>User Name</i>
Mapping	<i>\${User.User_Id}</i>
Description: N/A	ITIM User ID

15. RemoveUserFromRole

Field Name	Value
Parameter Name	<i>Role</i>
Type	<i>STRING</i>
Default Value	<i>NA</i>
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	<i>Role Name</i>
Mapping	<i>\${Role.Name}</i>

Description: N/A	ITIM role name
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Field Name	Value
Parameter Name	<i>UserName</i>
Type	<i>STRING</i>
Default Value	<i>NA</i>
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	<i>User Name</i>
Mapping	<i>\${User.User_Id}</i>
Description: N/A	ITIM User ID

Known Issues

Closed Zip File

The error “**Zip file closed**” in the stack trace can impact your ability to execute ITIM capabilities. This error can occur in one of the following scenarios:

- Case 1: When test connection is performed while creating the new connector.
- Case 2: When test connection is performed after creating the connector.
- Case 3: If an existing connector is edited.

To work around the issue, **restart the AFX server** and execute the capability without performing the test connection.

To restart the application server, run the following commands in the administrative command prompt:

1. To stop the AFX server
`/home/oracle/AFX/afx stop`
2. To start the AFX server
`/home/oracle/AFX/afx start`

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