

**RSA Identity Governance and Lifecycle Data Sheet  
for  
Generic SSH Connector**



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## Revision History

<b>Revision Number</b>	<b>Description</b>
Version 1.0	Generic SSH Connector
Version 1.1	Added instructions for configuring the password vault with RSA Identity Governance and Lifecycle Generic SSH Connector

## PURPOSE

This data sheet provides the configuration information required to create a new connector for SSH based endpoints.

## SUPPORTED SOFTWARE

RSA Identity Governance and Lifecycle Version: 6.0 and above

Application: SSH Connector

End-point Application: The 3rd-party application can be any Linux machine, Office365, Microsoft Exchange.

## PREREQUISITES

SSH endpoint server machine should be up and running.

## *MANAGE ENDPOINT CREDENTIALS USING A PASSWORD VAULT*

To use a third-party password vault to manage the endpoint credentials, perform the following steps:

1. Configure the password vault according to the third-party provider's instructions.
2. Create a new password vault profile in the RSA Identity Governance and Lifecycle system for retrieving the SSH Connector password from the vault. See the RSA Identity Governance and Lifecycle Help for more information about creating a password vault profile.
3. Ensure that SSH account has been created at the configured password vault for storing the password.

## CONFIGURATION

The configuration of the Connector is completed through a number of screens. This section helps you to fill in the values for each screen.

### General

The following table lists the parameters on the "General" screen, while creating the Connector.

Field Name	Value
Name	SSH Connector
Description	SSH Connector

Server	AFX Server
Connector Template	SSH
State	Test
Export As Template	SSH Connector

## Settings

The following table lists the parameters on the “Settings” screen, while creating the Connector.

Field Name	Value
Host	Host name or an IP address to the server.
Port	SSH port number. Default value is 22.
Timeout (milliseconds)	Connection timeout in milliseconds. Default value is 60000.
Login Name	Login Name to login to the server.
Static Password	Select this option, if you want to provide the password statically/manually. Fill in the value of password for the SSH administrator user in the area provided.
Dynamic Password	Select this option to use a configured password vault to manage the endpoint credentials.  After you select this option, either select a previously configured password vault profile from the drop-down menu, or click Create Profile to add a new password vault profile to use with this connector. RSA Identity Governance and Lifecycle uses this profile to retrieve the appropriate credentials from the password vault during connector deployment and connection tests.

## Capabilities

The SSH AFX Adapter provides the following functionality

CreateAccount

DeleteAccount

ResetPassword

AddAccountToGroup

RemoveAccountFromGroup

EnableAccount

DisableAccount

UpdateAccount

AddAppRoleToAccount

RemoveAppRoleFromAccount

AddRoleToAccount

RemoveRoleFromAccount

AddEntToAccount

RemoveEntFromAccount

CreateGroup

DeleteGroup

AddEntToGroup

RemoveEntFromGroup

AddAppRoleToGroup

RemoveAppRoleFromGroup

AddGroupToGroup

RemoveGroupFromGroup

AddAppRoleToAppRole

RemoveAppRoleFromAppRole

AddEntToAppRole

RemoveEntFromAppRole

CreateRole

DeleteRole

ChangeRoleProfile

DisableRole

EnableRole

AddAppRoleToRole

RemoveAppRoleFromRole

AddEntToRole

RemoveEntFromRole

AddGroupEntToRole

RemoveGroupEntFromRole

ChangeDataResource

### Create an Account

The following table lists the parameters on the “CreateAccount” screen.

Field Name	Value
Parameter Name	Account
Type	STRING
Default Value	None
Is the parameter required?	Yes
Is the parameter encrypted?	No



Display Name	Account Name
Mapping	\${Account.Name}
Description	Account Name

Field Name	Value
Parameter Name	Password
Type	STRING
Default Value	None
Is the parameter required?	Yes
Is the parameter encrypted?	Yes
Display Name	Account Password
Mapping	\${AccountTemplate.Password}
Description	Account Password

**Command Code**

The following table lists the parameters on the “Command Code” screen.

Field Name	Value
Shell Command	Shell command, as per the endpoint used.  For e.g.: In case of SLES Linux,  useradd \${Account.Name} -p `perl -e 'print

	<code>crypt('\${AccountTemplate.Password}','salt')` 2&gt;&amp;1</code>
--	--

### Delete an Account

The following table lists the parameters on the “Delete Account” screen.

Field Name	Value
Parameter Name	Account
Type	STRING
Default Value	None
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	Account Name
Mapping	<code>\${Account.Name}</code>
Description	Account Name

### Command Code

The following table lists the parameters on the “Command Code” screen.

Field Name	Value
Shell Command	Shell command, as per the endpoint used.

## Reset an Account's password

The following table lists the parameters on the “Reset Password” screen.

Field Name	Value
Parameter Name	Account
Type	STRING
Default Value	None
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	Account Name
Mapping	\${Account.Name}
Description	Account Name

Field Name	Value
Parameter Name	Password
Type	STRING
Default Value	None
Is the parameter required?	Yes

Is the parameter encrypted?	Yes
Display Name	Initial password to reset to
Mapping	<code>\${AccountTemplate.Password}</code>
Description	Initial password to reset to

#### Command Code

The following table lists the parameters on the “Command Code” screen.

Field Name	Value
Shell Command	Shell command, as per the endpoint used. For e.g.: In case of SLES Linux, <code>echo \${Password}   passwd \${Account} --stdin 2&gt;&amp;1</code>

#### Add an Account to Group

The following table lists the parameters on the “Add an Account to Group” screen.

Field Name	Value
Parameter Name	Account
Type	STRING
Default Value	None
Is the parameter required?	Yes
Is the parameter encrypted?	No

Display Name	Account Name
Mapping	\${Account.Name}
Description	Account Name

Field Name	Value
Parameter Name	Group
Type	STRING
Default Value	None
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	Group Name
Mapping	\${Group.Name}
Description	Group Name

## Command Code

The following table lists the parameters on the “Command Code” screen.

Field Name	Value
Shell Command	Shell command, as per the endpoint used.  For e.g.: In case of SLES Linux,  usermod -A \${Group} \${Account} 2>&1

## Remove Account from Group

The following table lists the parameters on the “Remove Account from Group” screen.

Field Name	Value
Parameter Name	Account
Type	STRING
Default Value	None
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	Account Name
Mapping	\${Account.Name}
Description	Account Name

Field Name	Value
Parameter Name	Group
Type	STRING
Default Value	None
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	Group Name
Mapping	\${Group.Name}
Description	Group Name

#### Command Code

The following table lists the parameters on the “Command Code” screen.

Field Name	Value
Shell Command	<p>Shell command, as per the endpoint used.</p> <p>For e.g.: In case of SLES Linux,</p> <pre>usermod -R \${Group} \${Account} 2&gt;&amp;1</pre>

## Enable an Account

The following table lists the parameters on the “Enable an Account” screen.

Field Name	Value
Parameter Name	Account
Type	STRING
Default Value	None
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	Account Name
Mapping	\${Account.Name}
Description	Account Name

## Command Code

The following table lists the parameters on the “Command Code” screen.

Field Name	Value
Shell Command	<p>Shell command, as per the endpoint used.</p> <p>For e.g.: In case of SLES Linux,</p> <pre>passwd -u \${Account} 2&gt;&amp;1</pre>



## Disable an Account

The following table lists the parameters on the “Disable an Account” screen.

Field Name	Value
Parameter Name	Account
Type	STRING
Default Value	None
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	Account Name
Mapping	\${Account.Name}
Description	Account Name

### Command Code

The following table lists the parameters on the “Command Code” screen.

Field Name	Value
Shell Command	<p>Shell command, as per the endpoint used.</p> <p>For e.g.: In case of SLES Linux,</p> <pre>passwd -l \${Account} 2&gt;&amp;1</pre>

## Update an Account

The following table lists the parameters on the “Update an Account” screen.

Field Name	Value
Parameter Name	Account
Type	STRING
Default Value	None
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	Account Name
Mapping	\${Account.Name}
Description	Account Name

## Command Code

The following table lists the parameters on the “Command Code” screen.

Field Name	Value
Shell Command	Shell command, as per the endpoint used.0

## Add Application Role to Account

The following table lists the parameters on the “Add Application Role to Account” screen.

Field Name	Value
Parameter Name	Account
Type	STRING
Default Value	None
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	Account Name
Mapping	\${Account.Name}
Description	Account Name

Field Name	Value
Parameter Name	AppRole
Type	STRING
Default Value	None
Is the parameter required?	Yes

Is the parameter encrypted?	No
Display Name	Application Role
Mapping	\${ApplicationRole.Name}
Description	Account Name

#### Command Code

The following table lists the parameters on the “Command Code” screen.

Field Name	Value
Shell Command	Shell command, as per the endpoint used.

#### Remove Application Role from Account

The following table lists the parameters on the “Remove Application Role from Account” screen.

Field Name	Value
Parameter Name	Account
Type	STRING
Default Value	None
Is the parameter required?	Yes
Is the parameter encrypted?	No

Display Name	Account Name
Mapping	\${Account.Name}
Description	Account Name

Field Name	Value
Parameter Name	AppRole
Type	STRING
Default Value	None
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	Application Role
Mapping	\${ApplicationRole.Name}
Description	Application Role

#### Command Code

The following table lists the parameters on the “Command Code” screen.

Field Name	Value
Shell Command	Shell command, as per the endpoint used.

## Add Role to Account

The following table lists the parameters on the “Add Role to Account” screen.

Field Name	Value
Parameter Name	Account
Type	STRING
Default Value	None
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	Account Name
Mapping	\${Account.Name}
Description	Account Name

Field Name	Value
Parameter Name	Role
Type	STRING
Default Value	None
Is the parameter required?	Yes

Is the parameter encrypted?	No
Display Name	Role Name
Mapping	\${Role.Name}
Description	Role Name

### Command Code

The following table lists the parameters on the “Command Code” screen.

Field Name	Value
Shell Command	Shell command, as per the endpoint used.

### Remove Role from Account

The following table lists the parameters on the “Remove Role from Account” screen.

Field Name	Value
Parameter Name	Account
Type	STRING
Default Value	None
Is the parameter required?	Yes
Is the parameter encrypted?	No

Display Name	Account Name
Mapping	\${Account.Name}
Description	Account Name

Field Name	Value
Parameter Name	Role
Type	STRING
Default Value	None
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	Role Name
Mapping	\${Role.Name}
Description	Role Name

#### Command Code

The following table lists the parameters on the “Command Code” screen.

Field Name	Value
Shell Command	Shell command, as per the endpoint used.



## Add Entitlement to Account

The following table lists the parameters on the “Add Entitlement to Account” screen.

Field Name	Value
Parameter Name	Account
Type	STRING
Default Value	None
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	Account Name
Mapping	\${Account.Name}
Description	Account Name

Field Name	Value
Parameter Name	Resource
Type	STRING
Default Value	None
Is the parameter required?	Yes

Is the parameter encrypted?	No
Display Name	Resource Name
Mapping	\${Resource.Name}
Description	Resource Name

Field Name	Value
Parameter Name	Action
Type	STRING
Default Value	None
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	Action
Mapping	\${Resource.Name}
Description	Action

#### Command Code

The following table lists the parameters on the “Command Code” screen.

Field Name	Value
Shell Command	Shell command, as per the endpoint used.

## Remove Entitlement from Account

The following table lists the parameters on the “Remove Entitlement from Account” screen.

Field Name	Value
Parameter Name	Account
Type	STRING
Default Value	None
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	Account Name
Mapping	\${Account.Name}
Description	Account Name

Field Name	Value
Parameter Name	Resource
Type	STRING
Default Value	None

Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	Resource Name
Mapping	\${Resource.Name}
Description	Resource Name

Field Name	Value
Parameter Name	Action
Type	STRING
Default Value	None
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	Action
Mapping	\${Resource.Name}
Description	Action

Provide the following information for all required parameters. Note when the default values have changed and when additional new parameters are required to be created:

**Command Code**

The following table lists the parameters on the “Command Code” screen.

Field Name	Value
Shell Command	Shell command, as per the endpoint used.

### Create a Group

The following table lists the parameters on the “Create Group” screen.

Field Name	Value
Parameter Name	Group
Type	STRING
Default Value	None
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	Group Name
Mapping	\${Group.Name}
Description	Group Name

### Command Code

The following table lists the parameters on the “Command Code” screen.

Field Name	Value
Shell Command	Shell command, as per the endpoint used.

	For e.g.: In case of SLES Linux, groupadd \${Group} 2>&1
--	---

## Delete a Group

The following table lists the parameters on the “Delete Group” screen.

Field Name	Value
Parameter Name	Group
Type	STRING
Default Value	None
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	Group Name
Mapping	\${Group.Name}
Description	Group Name

## Command Code

The following table lists the parameters on the “Command Code” screen.

Field Name	Value
Shell Command	Shell command, as per the endpoint used.  For e.g.: In case of SLES Linux,

	groupdel \${Group} 2>&1
--	-------------------------

## Add Entitlement to Group

The following table lists the parameters on the “Add Entitlement to Group” screen.

Field Name	Value
Parameter Name	Group
Type	STRING
Default Value	None
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	Group Name
Mapping	\${Group.Name}
Description	Group Name

Field Name	Value
Parameter Name	Resource
Type	STRING
Default Value	None

Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	Resource Name
Mapping	\${Resource.Name}
Description	Resource Name

Field Name	Value
Parameter Name	Action
Type	STRING
Default Value	None
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	Action
Mapping	\${Resource.Name}
Description	Action

### Command Code

The following table lists the parameters on the “Command Code” screen.



Field Name	Value
Shell Command	Shell command, as per the endpoint used.

## Remove Entitlement from Group

The following table lists the parameters on the “Remove Entitlement from Group” screen

Field Name	Value
Parameter Name	Group
Type	STRING
Default Value	None
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	Group Name
Mapping	\${Group.Name}
Description	Group Name

Field Name	Value
Parameter Name	Resource
Type	STRING

Default Value	None
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	Resource Name
Mapping	\${Resource.Name}
Description	Resource Name

Field Name	Value
Parameter Name	Action
Type	STRING
Default Value	None
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	Action
Mapping	\${Resource.Name}
Description	Action

Provide the following information for all required parameters. Note when the default values have changed and when additional new parameters are required to be created:

### Command Code

The following table lists the parameters on the “Command Code” screen.

Field Name	Value
Shell Command	Shell command, as per the endpoint used.

### Add Application Role to Group

The following table lists the parameters on the “Add Application Role to Group” screen

Field Name	Value
Parameter Name	Group
Type	STRING
Default Value	None
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	Group Name
Mapping	\${Group.Name}
Description	Group Name

Field Name	Value
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Parameter Name	AppRole
Type	STRING
Default Value	None
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	Application Role
Mapping	\${ApplicationRole.Name}
Description	Account Name

#### Command Code

The following table lists the parameters on the “Command Code” screen.

Field Name	Value
Shell Command	Shell command, as per the endpoint used.

#### Remove Application Role from Group

The following table lists the parameters on the “Remove Application Role from Group” screen

Field Name	Value
Parameter Name	Group

Type	STRING
Default Value	None
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	Group Name
Mapping	\${Group.Name}
Description	Group Name

Field Name	Value
Parameter Name	AppRole
Type	STRING
Default Value	None
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	Application Role
Mapping	\${ApplicationRole.Name}
Description	Application Role

### Command Code

The following table lists the parameters on the “Command Code” screen.

Field Name	Value
Shell Command	Shell command, as per the endpoint used.

### Add a Group to a Group

The following table lists the parameters on the “Add Group to a Group” screen

Field Name	Value
Parameter Name	Group
Type	STRING
Default Value	None
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	Group Name
Mapping	\${Group.Name}
Description	Group Name

Field Name	Value
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Parameter Name	Group2
Type	STRING
Default Value	None
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	Group Name to add
Mapping	\${Group.Name}
Description	Group Name to add

#### Command Code

The following table lists the parameters on the “Command Code” screen.

Field Name	Value
Shell Command	Shell command, as per the endpoint used.

#### Remove Group from a Group

The following table lists the parameters on the “Remove Group from a Group” screen

Field Name	Value
Parameter Name	Group

Type	STRING
Default Value	None
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	Group Name
Mapping	\${Group.Name}
Description	Group Name

Field Name	Value
Parameter Name	Group2
Type	STRING
Default Value	None
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	Group Name to add
Mapping	\${Group.Name}
Description	Group Name to add

Command Code



The following table lists the parameters on the “Command Code” screen.

Field Name	Value
Shell Command	Shell command, as per the endpoint used.

### Add Application Role to an Application Role

The following table lists the parameters on the “Add Application Role to an Application Role” screen

Field Name	Value
Parameter Name	AppRole
Type	STRING
Default Value	None
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	Application Role
Mapping	\${ApplicationRole.Name}
Description	Account Name

Field Name	Value
Parameter Name	AppRole2

Type	STRING
Default Value	None
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	Application Role Name to Add
Mapping	\${ApplicationRole.Name}
Description	Application Role Name to Add

#### Command Code

The following table lists the parameters on the “Command Code” screen.

Field Name	Value
Shell Command	Shell command, as per the endpoint used.

#### Remove Application Role from an Application Role

The following table lists the parameters on the “Remove Application Role from an Application Role” screen

Field Name	Value
Parameter Name	AppRole
Type	STRING
Default Value	None

Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	Application Role
Mapping	\${ApplicationRole.Name}
Description	Account Name

Field Name	Value
Parameter Name	AppRole2
Type	STRING
Default Value	None
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	Application Role Name to Add
Mapping	\${ApplicationRole.Name}
Description	Application Role Name to Add

Command Code

The following table lists the parameters on the “Command Code” screen.

Field Name	Value
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Shell Command	Shell command, as per the endpoint used.
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### Add Entitlement to an Application Role

The following table lists the parameters on the “Add Entitlement to an Application Role” screen

Field Name	Value
Parameter Name	AppRole
Type	STRING
Default Value	None
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	Application Role
Mapping	\${ApplicationRole.Name}
Description	Account Name

Field Name	Value
Parameter Name	Resource
Type	STRING
Default Value	None

Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	Resource Name
Mapping	\${Resource.Name}
Description	Resource Name

Field Name	Value
Parameter Name	Action
Type	STRING
Default Value	None
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	Action
Mapping	\${Resource.Name}
Description	Action

Command Code

The following table lists the parameters on the “Command Code” screen.

Field Name	Value
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Shell Command	Shell command, as per the endpoint used.
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### Remove Entitlement from an Application Role

The following table lists the parameters on the “Remove Entitlement from an Application Role” screen

Field Name	Value
Parameter Name	AppRole
Type	STRING
Default Value	None
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	Application Role
Mapping	\${ApplicationRole.Name}
Description	Account Name

Field Name	Value
Parameter Name	Resource
Type	STRING
Default Value	None

Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	Resource Name
Mapping	\${Resource.Name}
Description	Resource Name

Field Name	Value
Parameter Name	Action
Type	STRING
Default Value	None
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	Action
Mapping	\${Resource.Name}
Description	Action

Command Code

The following table lists the parameters on the “Command Code” screen.

Field Name	Value
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Shell Command	Shell command, as per the endpoint used.
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### Create a Role

The following table lists the parameters on the “Create a Role” screen

Field Name	Value
Parameter Name	Role
Type	STRING
Default Value	None
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	Role Name
Mapping	\${Role.Name}
Description	Role Name

### Command Code

The following table lists the parameters on the “Command Code” screen.

Field Name	Value
Shell Command	Shell command, as per the endpoint used.



## Delete a Role

The following table lists the parameters on the “Delete a Role” screen

Field Name	Value
Parameter Name	Role
Type	STRING
Default Value	None
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	Role Name
Mapping	\${Role.Name}
Description	Role Name

## Command Code

The following table lists the parameters on the “Command Code” screen.

Field Name	Value
Shell Command	Shell command, as per the endpoint used.

## Change Profile for a Role

The following table lists the parameters on the “Change Profile for a Role” screen

Field Name	Value
Parameter Name	Role
Type	STRING
Default Value	None
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	Role Name
Mapping	#{Role.Name}
Description	Role Name

Field Name	Value
Parameter Name	Profile
Type	STRING
Default Value	None
Is the parameter required?	Yes
Is the parameter encrypted?	No

Display Name	Profile
Mapping	\${Role.Description}
Description	Profile

#### Command Code

The following table lists the parameters on the “Command Code” screen.

Field Name	Value
Shell Command	Shell command, as per the endpoint used.

#### Disable a Role

The following table lists the parameters on the “Disable a Role” screen

Field Name	Value
Parameter Name	Role
Type	STRING
Default Value	None
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	Role Name

Mapping	\${Role.Name}
Description	Role Name

### Command Code

The following table lists the parameters on the “Command Code” screen.

Field Name	Value
Shell Command	Shell command, as per the endpoint used.

### Enable a Role

The following table lists the parameters on the “Enable a Role” screen

Field Name	Value
Parameter Name	Role
Type	STRING
Default Value	None
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	Role Name
Mapping	\${Role.Name}

Description	Role Name
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Command Code

The following table lists the parameters on the “Command Code” screen.

Field Name	Value
Shell Command	Shell command, as per the endpoint used.

Add Application Role to a Role

The following table lists the parameters on the “Add Application Role to a Role” screen

Field Name	Value
Parameter Name	Role
Type	STRING
Default Value	None
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	Role Name
Mapping	\${Role.Name}
Description	Role Name

Field Name	Value
Parameter Name	AppRole
Type	STRING
Default Value	None
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	Application Role
Mapping	#{ApplicationRole.Name}
Description	Account Name

#### Command Code

The following table lists the parameters on the “Command Code” screen.

Field Name	Value
Shell Command	Shell command, as per the endpoint used.

#### Remove Application Role from a Role

The following table lists the parameters on the “Remove Application Role from a Role” screen

Field Name	Value
Parameter Name	Role

Type	STRING
Default Value	None
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	Role Name
Mapping	\${Role.Name}
Description	Role Name

Field Name	Value
Parameter Name	AppRole
Type	STRING
Default Value	None
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	Application Role
Mapping	\${ApplicationRole.Name}
Description	Account Name

## Command Code

The following table lists the parameters on the “Command Code” screen.

Field Name	Value
Shell Command	Shell command, as per the endpoint used.

## Add Entitlement to a Role

The following table lists the parameters on the “Add Entitlement to a Role” screen

Field Name	Value
Parameter Name	Role
Type	STRING
Default Value	None
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	Role Name
Mapping	\${Role.Name}
Description	Role Name



Field Name	Value
Parameter Name	Resource
Type	STRING
Default Value	None
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	Resource Name
Mapping	\${Resource.Name}
Description	Resource Name

Field Name	Value
Parameter Name	Action
Type	STRING
Default Value	None
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	Action

Mapping	\${Resource.Name}
Description	Action

Provide the following information for all required parameters. Note when the default values have changed and when additional new parameters are required to be created:

#### Command Code

The following table lists the parameters on the “Command Code” screen.

Field Name	Value
Shell Command	Shell command, as per the endpoint used.

#### Remove Entitlement from a Role

The following table lists the parameters on the “Remove Entitlement from a Role” screen

Field Name	Value
Parameter Name	Role
Type	STRING
Default Value	None
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	Role Name

Mapping	\${Role.Name}
Description	Role Name

Field Name	Value
Parameter Name	Resource
Type	STRING
Default Value	None
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	Resource Name
Mapping	\${Resource.Name}
Description	Resource Name

Field Name	Value
Parameter Name	Action
Type	STRING
Default Value	None
Is the parameter required?	Yes

Is the parameter encrypted?	No
Display Name	Action
Mapping	\${Resource.Name}
Description	Action

Provide the following information for all required parameters. Note when the default values have changed and when additional new parameters are required to be created:

#### Command Code

The following table lists the parameters on the “Command Code” screen.

Field Name	Value
Shell Command	Shell command, as per the endpoint used.

#### Add Group Entitlement to a Role

The following table lists the parameters on the “Add Group Entitlement to a Role” screen

Field Name	Value
Parameter Name	Role
Type	STRING
Default Value	None
Is the parameter required?	Yes

Is the parameter encrypted?	No
Display Name	Role Name
Mapping	\${Role.Name}
Description	Role Name

Field Name	Value
Parameter Name	Resource
Type	STRING
Default Value	None
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	Resource Name
Mapping	\${Resource.Name}
Description	Resource Name

Field Name	Value
Parameter Name	Action
Type	STRING

Default Value	None
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	Action
Mapping	\${Resource.Name}
Description	Action

Provide the following information for all required parameters. Note when the default values have changed and when additional new parameters are required to be created:

#### Command Code

The following table lists the parameters on the “Command Code” screen.

Field Name	Value
Shell Command	Shell command, as per the endpoint used.

#### Remove Group Entitlement from a Role

The following table lists the parameters on the “Remove Group Entitlement from a Role” screen

Field Name	Value
Parameter Name	Role
Type	STRING
Default Value	None

Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	Role Name
Mapping	\${Role.Name}
Description	Role Name

Field Name	Value
Parameter Name	Resource
Type	STRING
Default Value	None
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	Resource Name
Mapping	\${Resource.Name}
Description	Resource Name

Field Name	Value
Parameter Name	Action

Type	STRING
Default Value	None
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	Action
Mapping	\${Resource.Name}
Description	Action

Provide the following information for all required parameters. Note when the default values have changed and when additional new parameters are required to be created:

#### Command Code

The following table lists the parameters on the “Command Code” screen.

Field Name	Value
Shell Command	Shell command, as per the endpoint used.

#### Change a Data Resource

The following table lists the parameters on the “Change a Data Resource” screen

Field Name	Value
Parameter Name	Resource
Type	STRING



Default Value	None
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	Resource Name
Mapping	\${Resource.Name}
Description	Resource Name

Provide the following information for all required parameters. Note when the default values have changed and when additional new parameters are required to be created:

#### Command Code

The following table lists the parameters on the “Command Code” screen.

Field Name	Value
Shell Command	Shell command, as per the endpoint used.

#### Lock an Account

The following table lists the parameters on the “Lock an Account” screen

Field Name	Value
Parameter Name	Account
Type	STRING

Default Value	None
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	Account Name
Mapping	\${Account.Name}
Description	Account Name

**Note:** For LockAccount and UnlockAccount, a request came to implement these commands for Linux versions. So, as per request commands are implemented. To execute the command, please paste the following commands in "Shell Command" box.

#### Command Code

The following table lists the parameters on the "Command Code" screen.

Field Name	Value
Shell Command	Shell command, as per the endpoint used.  For e.g.: In case of Linux , passwd -l \${Account} 2>&1

#### Unlock an Account

The following table lists the parameters on the "Unlock an Account" screen

Field Name	Value
Parameter Name	Account

Type	STRING
Default Value	None
Is the parameter required?	Yes
Is the parameter encrypted?	No
Display Name	Account Name
Mapping	\${Account.Name}
Description	Account Name

#### Command Code

The following table lists the parameters on the “Command Code” screen.

Field Name	Value
Shell Command	Shell command, as per the endpoint used.  For e.g.: In case of Linux , passwd -u \${Account} 2>&1

## APPENDIX

### Output parameter support

SSH connector now supports output parameters for all connector commands. To extract data from executed shell command, User can either use **Regex** or **Exit Code**.

Example:

1. For **CreateAccount** command, add two output parameters: **Status** and **ResponseData**.

### Create an Account

#### Command Input Parameters

Parameter Name	Type	Default Value	Required	Encrypted	Display Name
<input type="text" value="Account"/>	STRING ▼	<input type="text"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="text" value="Account Name"/>
<input type="text" value="Password"/>	STRING ▼	<input type="text"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="text" value="Account Password"/>

#### Command Output Parameters

Parameter Name	Type	Display Name
<input type="text" value="Status"/>	STRING ▼	<input type="text"/>
<input type="text" value="ResponseData"/>	STRING ▼	<input type="text"/>

- In this example, we want to extract data from the response of the command 'echo \${AccountName}:\${Password}'.
- In **Status**, we want to capture **exit-code** of the executed command.
- In **ResponseData**, all the response would be received as output of the command.
- For every Output, parameter controls to specify its contents are generated on UI. In this case for **Status** and **ResponseData**, we have the following controls.

The image shows two identical configuration panels. The top panel is titled 'Status' and the bottom panel is titled 'ResponseData'. Both panels have a dropdown menu for 'Expression Type\*' set to 'Exit Code' and an empty text input for 'Expression'. Below each panel is a table with three columns: 'Pattern', 'Replacement', and 'Partial Match'. An 'Add More...' button is located below each table.

2. For **Status**, select **ExpressionType** as **Exit Code**.

This screenshot shows the 'Status' configuration panel. The 'Expression Type\*' dropdown is set to 'Exit Code'. The 'Expression' field is empty. Below the panel is a table with columns 'Pattern', 'Replacement', and 'Partial Match', and an 'Add More...' button.

3. For **ResponseData**, select **ExpressionType** as **Regex**.
4. Insert the expression `(?s)^.*$` to capture all response data.

This screenshot shows the 'ResponseData' configuration panel. The 'Expression Type\*' dropdown is set to 'Regex'. The 'Expression' field contains the text '(?s)^.\*\$'. Below the panel is a table with columns 'Pattern', 'Replacement', and 'Partial Match', and an 'Add More...' button.

After executing CreateAccount command, **Status** will hold **Exit Code** and **ResponseData** will have all the responses for the executed Shell command 'echo \${AccountName}:\${Password}'.

If the values for **AccountName** and **Password** are testaccount and secret123, then '**Status**' will have value '**0**' and '**ResponseData**' will contain '**testaccount: secret123**'.

## TROUBLESHOOTING

This section describes common errors when configuring the RSA Identity Governance and Lifecycle components for IBM ITDS and solutions.

- Dynamic password is used on connector settings page and the connector is not getting deployed with error displayed as: Password Vault Error.

This may happen if there is an error in retrieving the password using the mentioned profile. You need to check if the values provided in the profile for password retrieval are valid and adequate permissions are present on the vault for fetching the password.

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