



Release Control

SBM Plugin Quick Reference

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Preparing the Plugins

The integration between each integrating product and Release Control is implemented through the corresponding plugin.

Documentation References

- Information on installing, configuring, and using this plugin is included in this document.
- For overview and getting started information on Release Control, see the *Release Control Getting Started Guide*.

For information on preparing plugins for use, see the following:

- [Release Control Administration Overview \[page 5\]](#)
- [Plugins \[page 7\]](#)
- [Configurations \[page 9\]](#)
- [Tags \[page 14\]](#)
- [Auxiliary Table Level Configuration Overrides \[page 17\]](#)
- [Limiting Task Actions by Environment \[page 27\]](#)

Release Control Administration Overview

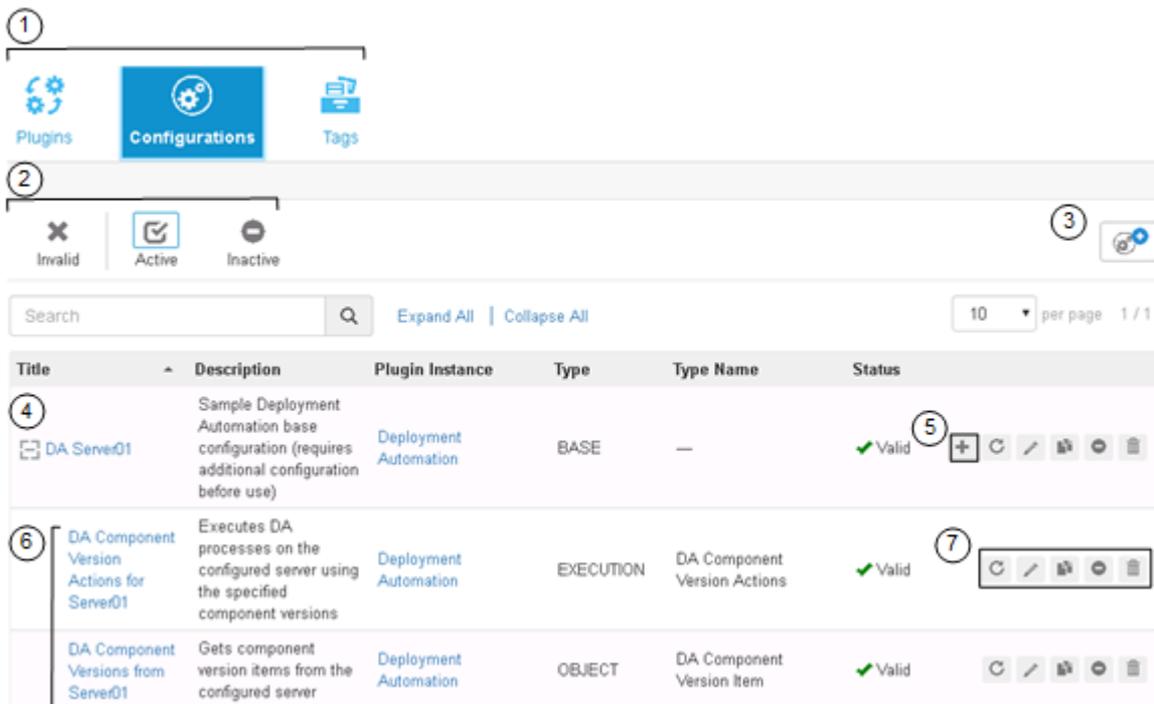
Use Release Control Administration to prepare your plugins for use.

If your plugin is ready to use, continue with [Using the SBM Plugin \[page 51\]](#).

To access Release Control Administration, in your Web browser, enter the URL for Release Control Administration. For example:

```
http://serverName/workcenter/tmtrack.dll?StdPage&Template=rlc/admin
```

The following figure shows the Release Control Administration **Configurations** page with example plugin configurations that have been updated with valid connection information.



1. Release Control Administration includes the following menu options:
 - **Plugins:** Update and add plugin instances. You can add plugin instances from multiple versions of a plugin. See [Plugins \[page 7\]](#).
 - **Configurations:** Update and add plugin configurations as needed. See [Configurations \[page 9\]](#).
 - **Tags:** Optionally add custom tags if you need categories of objects other than the defaults provided. See [Tags \[page 14\]](#).
2. To filter the information shown in the content area, click the filter buttons to select or toggle filter criteria. The filter Search box searches various columns and further filters the list by showing only items that match the search string. In this example, the list is filtered by all active configurations.
3. Click the **Add** button to add the object in context of the page you are on, **Plugins**, **Configurations**, or **Tags**. In this example, you would click () to add a base configuration. See [Adding Base Configurations \[page 10\]](#).
4. The content area for each page lists any existing plugins, configurations, or tags.
5. In the **Configurations** page, click the **+** button beside a selected base to add configurations derived from that base. See [Adding Action and Item Configurations \[page 11\]](#).
6. View an overview of the configuration in the content area. Click the configuration title to view configuration details.
7. Select options in context, such as those shown for configurations. See [Updating Plugin Configuration Details \[page 13\]](#).

Related Topics

[Adding Plugins \[page 8\]](#)

[Upgrading Plugins \[page 9\]](#)

[Adding Base Configurations \[page 10\]](#)

[Adding Action and Item Configurations \[page 11\]](#)

[Adding Plugin Configuration Tags \[page 14\]](#)

Plugins

Plugins implement integrations between external products and Release Control. Plugins enable you to relate external requests to your release items, execute actions through external tools through Release Control tasks, and install deployment units from diverse sources onto target environments.

Default Plugins

When you apply the Release Control configuration in SBM Configurator, all default plugins are installed for you. You can then use Release Control Administration to add plugin instances and one or more unique configurations for each plugin.

Provider Types

Plugins implement object and execution provider types. In the default plugins, object provider type is used for requests and deployment units and execution provider type is used for tasks. Each plugin can implement any number of variations of provider types as needed, so only one plugin is needed per integrating product.



Note: In the examples, configurations using object provider types are called "item configurations" and those using execution provider types are called "action configurations".

For information on creating custom plugins, see the *Release Control SDK Reference*.

For details, see the following:

- [Installing Plugins \[page 7\]](#)
- [Adding Plugins \[page 8\]](#)
- [Upgrading Plugins \[page 9\]](#)

Installing Plugins

Default plugins are installed by the Release Control installer.

If you have created a custom plugin, are using a plugin version that is not installed by default, or are restoring a plugin, you will need to install it.

If the plugin (or version of the plugin) you want to use is already installed, continue with [Adding Plugins \[page 8\]](#).

For information on upgrading plugins, see the latest Plugins Release Notes on [Documentation Center](#).

To install a plugin:

1. Download the plugin jar files that you want to install from the [Support website](#), under the latest version of Release Control.

The latest plugin file name is as follows:

```
rlc-provider-sbm-3.4.jar
```

2. For Release Control version 6.2 or later only, copy the jar files to the Release Control plugins installation directory. For example:

```
C:\Program Files\Micro Focus\Release Control\Plugins
```



Important: Plugins version 3.0 and later are supported only for Release Control version 6.2 and later. For installation instructions for earlier plugin versions with earlier versions of Release Control, see the plugin Quick References for those versions.

Adding Plugins

Several of the default plugins have been added for you. If you don't see the default plugin you want to use, you can add it. If you have just installed a non-default or custom plugin, you will need to add it.

If the plugin (or version of the plugin) you want to use is already added, continue with [Adding Action and Item Configurations \[page 11\]](#).



Important: The Release Control Administration options can be performed only by users with Managed Administrator privileges.

CAUTION:



If you are using Internet Explorer as your web browser, ensure Compatibility View is not set for the Release Control site. Otherwise, you will receive the error "Your browser is not supported."

To add a plugin:

1. In your Web browser, enter the URL for Release Control Administration. For example:

```
http://serverName/workcenter/tmtrack.dll?StdPage&Template=rlc/admin
```



Tip: The link for your installation is in SBM Configurator on the **Release Control** page.

2. Select **Administration > Plugins**.
3. Click the **Add Plugin** icon.
4. In the **Available Plugins** list, select the SBM plugin you want to use.



Note: If you have multiple versions of the same plugin installed, you can choose an the version to add. By default, the latest one is selected.

Upgrading Plugins

When editing a plugin instance, you can change the version of the plugin used by that plugin instance and therefore, the configurations based on that plugin instance.

When you edit a plugin instance that has multiple versions installed:

- The **Plugin Version** field appears. This appears only if you have multiple versions of the same plugin installed.
- When a plugin version later than the one in use is installed, the **Upgrade** action and icon appears when you view the plugin.
- When an upgrade or downgrade is performed, all configurations created based on the plugin instance are migrated to the new version.

CAUTION:



If the plugin to which you migrate has a different set of fields or supported configuration types, you must open existing configurations and deployment tasks and save them with the proper data.



Important: The Release Control Administration options can be performed only by users with Managed Administrator privileges.

1. In your Web browser, enter the URL for Release Control Administration. For example:

```
http://serverName/workcenter/tmtrack.dll?StdPage&Template=rlc/admin
```



Tip: The link for your installation is in SBM Configurator on the **Release Control** page.

2. Select **Administration > Plugins**.
3. Optionally click the **Upgrades** filter to show just the plugins that have upgrades available.
4. Beside the plugin that you want to upgrade, click the **Upgrade** option ().

Configurations

Base configurations and their related item and action configurations define the properties needed to connect to and use integrating products or process apps.

Base configurations are a set of shared properties that enable you to quickly create and update configurations of different types using that information.

- A base must be created for each set of configurations.
- Multiple versions of configurations can be added for the same base configuration.
- You can add multiple execution and object type configurations (called actions and item configurations in the examples) within one base configuration.

Item and action configurations are a specific set of properties for associating objects or executing actions. Release Managers and Release Engineers select these configurations when they are adding objects in Release Control, such as requests, deployment units, and deployment tasks.

- You can create as many item and action configurations as you need from each base.
- You can override base fields in item and action configurations if needed. If the base is updated and fields are overridden, the updates in the base are ignored.



Note: You can also override configuration settings through an auxiliary table. See [Auxiliary Table Level Configuration Overrides \[page 17\]](#).

Several example configurations for these are included in the Release Control installation.

For details, see the following:

- [Adding Base Configurations \[page 10\]](#)
- [Adding Action and Item Configurations \[page 11\]](#)
- [Updating Plugin Configuration Details \[page 13\]](#)

Adding Base Configurations

A base plugin configuration must be created for each set of configurations. It stores connection information and other shared properties and enables you to quickly create configurations of different types using that information.



Tip: You can clone existing base configurations to add new ones. Just select the base you want to clone and click the **Clone** option (). During the clone you can change settings as needed for the new base.

Any password or other secure fields are included, but will remain shown as asterisks in the clone configuration.



Important: The Release Control Administration options can be performed only by users with Managed Administrator privileges.

To add a base configuration:

1. In your Web browser, enter the URL for Release Control Administration. For example:

```
http://serverName/workcenter/tmtrack.dll?StdPage&Template=rlc/admin
```



Tip: The link for your installation is in SBM Configurator on the **Release Control** page.

2. Select **Administration > Configurations**.
3. Click the **Add Configuration** button ().

-
4. Give a unique title for the base that encompasses the scope of the configurations that will inherit its settings.



Tip: Consider including the server name if you have configurations for multiple servers, integrating product version, plugin version, or any other distinguishing information.

5. In the **Plugin Instance** field, select the SBM plugin.
6. In the **Type Name** field, select **BASE**.
7. Fill out the remaining fields. See [SBM Base Configuration Details \[page 37\]](#) .
8. If you do not want to make the configuration visible for selection by end users immediately upon creation, click the **Make Configuration Active** button to turn it off. By default it is on.



Tip: When this option is off, it is white. You can also view the tooltip to see the current setting.

9. Click **Validate** to test the connection.

An invalid status will not prohibit use of the plugin if you later use the plugin with valid connection values, such as a valid user ID through Single Sign-On (SSO) or through a configuration override.



Note: If you use SSO, be aware of the following:

- The connection validation is attempted using the currently logged in SBM user. This may not be the user you want to use for the connection when you use the plugin.
- Since the user ID used during configuration must be an SBM managed administrator, if you want to validate the connection using the user ID that you will use for SSO, you must make that user ID a managed administrator.

Adding Action and Item Configurations

Plugin configurations provide connection information, product-specific details, and filters telling the plugin what data to obtain from the integrating product. You may use multiple configurations to point to different systems or projects, to use different versions of an integrating product or plugin, or to use different filters.

Before you can use a plugin, you must at minimum update it with your specific connection information for the configuration. Each of the plugin configurations in the default implementation have example values, but you'll need to update these according to your own implementation.

If you are using one of the plugins with example configurations, you can update the example configurations with your connection information and other details or you can add new configurations.



Tip: You can clone existing configurations to add new ones. Just select the configuration you want to clone and click the **Clone** option (). During the clone you can change settings and select a different existing base from the same plugin.

Any password or other secure fields are included, but will remain shown as asterisks in the clone configuration.



Important: The Release Control Administration options can be performed only by users with Managed Administrator privileges.

To add a plugin configuration:

1. In your Web browser, enter the URL for Release Control Administration. For example:

`http://serverName/workcenter/tmtrack.dll?StdPage&Template=rlc/admin`



Tip: The link for your installation is in SBM Configurator on the **Release Control** page.

2. Select **Administration > Configurations**.
3. Click the + beside the base that you want to use to create the configuration.
4. Give a unique title and description for the configuration.



Tip: The configuration title is the name that appears in the drop-down selection when adding objects such as requests, deployment units, and deployment tasks. Consider including the server name if you have configurations for multiple servers. You may also want to include integrating product version, plugin version, or other distinguishing information.

5. In the **Plugin Instance** field, select the SBM plugin.
6. In the **Type Name** field, select the specific implementation of the provider type that you want to use, such as an item or actions implementation.
7. Ensure that the **Base Configuration** field has the correct base selected.



Note: When creating directly from an existing base using the + option, you cannot change the base configuration name. When creating a configuration through the **Add Configuration** button, you can select a base or select **New** to create a new one.

8. Fill out the remaining fields. See [SBM Plugin Configuration Overview \[page 36\]](#).
9. To enter different information in any grayed out fields, select **Override**.

The following figure shows a plugin configuration with overrides for the fields **Application Filter** and **Environment Filter**.

DA Application Request Process Link:	<input type="text" value="/da/#applicationProcessRequest/"/>	<input type="checkbox"/> Override
DA Post Deploy URL:	<input type="text" value="http://orbmpddv-sold02.serena.com:8"/>	<input type="checkbox"/> Override
DA Post Deploy Message Variables:	<input type="text" value="{p.request.id}:{p.finalStatus}"/>	<input type="checkbox"/> Override
User Name:	<input type="text" value="admin"/>	<input type="checkbox"/> Override
Password:	<input type="password" value="....."/> <input type="button" value="Clear"/>	<input type="checkbox"/> Override
Use Single Sign-On (SSO):	<input type="checkbox"/>	<input type="checkbox"/> Override
Application Filter:	<input type="text" value="Qlarius"/>	<input checked="" type="checkbox"/> Override
Environment Filter:	<input type="text" value="DEV,QA,PROD"/>	<input checked="" type="checkbox"/> Override

These overrides:

- Limit field value selections when adding objects in collections, such as requests, deployment units, and deployment tasks.
- Are used by the system when it validates and executes tasks.

If you need to override at a broader level, such as for an entire release package or deployable release train, see [Auxiliary Table Level Configuration Overrides \[page 17\]](#).

Updating Plugin Configuration Details

Some settings can be changed after you have created a configuration.

To update a plugin configuration:

- Edit the base configuration to change shared information for all its subordinate configurations.
- Edit the configurations to change non-base settings.
- Override base settings at the configuration level.
 - You can change a field that is inherited from the base, shown in gray, only if there is an override option beside it. Select **Override** to make the field editable. If there is no override option, you must update it at the base level, or create a new base configuration with alternate values for that field.
 - If you override at the configuration level and then update the parent base configuration, the configuration retains the override rather than inheriting the new base configuration setting.



Note: You can also override fields at the item or project level to filter selections available in collections. See [Auxiliary Table Level Configuration Overrides \[page 17\]](#).

For field descriptions, see [SBM Plugin Configuration Overview \[page 36\]](#).

Tags

Tags are unique names you can assign to be used with plugin configurations in addition to the plugin-defined Type Name.

- These are referenced in collection widgets to categorize the objects, such as requests, deployment units, and deployment tasks.
- Several default tags are assigned in the default implementation of Release Control, such as Request, Deployment Unit, and Deployment Task tag.
- Multiple configuration types may have the same tag and each configuration type may have more than one tag. For example, for the Dimensions CM plugin, Baseline Item and Request Item configurations both have the default tag Deployment Unit, and Request Item has two tags, Deployment Unit and Request.

For details, see the following:

- [Adding Plugin Configuration Tags \[page 14\]](#)
- [Updating Collections to Use Different Tags \[page 15\]](#)
- [Using Different Tags for Linking Objects to Tasks \[page 16\]](#)

Adding Plugin Configuration Tags

Tags are unique names you can assign to plugin configurations in addition to the system-assigned Type Name. These tags are used in collection widgets to show or hide the objects, such as requests and deployment units.

Tags are provided for the default plugin configurations and are pre-selected in the example settings. However, you may add any type of object needed for your custom implementations of Release Control and the plugins.

- Tags added at any level are added at the global level as well. All global tags are available for selection at other levels.
- Tags added in the **Default Tags** tab are the tags that are assigned when a new item or action configuration is added. Changing these does not impact existing configurations, it only impacts future ones.
- Tags defined for a item or action configuration are the current tags available, and can be edited at any time. At least one tag must be assigned to a configuration.

CAUTION:

Do not remove all of the default tags or configuration tags unless you are customizing the system. Object configurations must have tags assigned to them; otherwise, items cannot be linked to deployment tasks. If tags are missing, the item selection says "No configurations available".



Note: When you create tags or assign tags to a configuration, those tags are not used by existing items such as requests, deployment units, or deployment tasks. The tags will be used only for items added after the tags are created or assigned.



Important: The Release Control Administration options can be performed only by users with Managed Administrator privileges.

To add tags to a specific configuration:

1. In your Web browser, enter the URL for the Release Control Administration. For example:

`http://serverName/workcenter/tmtrack.dll?StdPage&Template=rlc/admin`



Tip: The link for your installation is in SBM Configurator on the **Release Control** page.

2. In **Administration > Configurations**, select a plugin configuration.



Note: If you add a tag at the configuration level, that tag is available to be selected by other configurations and is also added to the global **Tags** list.

3. Click the **Tags** tab.
4. Click **Edit**.
5. To use existing tags, select one or more tags, use the arrows to move them to the **Selected Tags** box.
6. To create a new tag, click **Create New** below the selection box and give the tag a name and description. This creates the tag and automatically adds it to the **Selected Tags** box.



Tip: You can view tags for all configurations in the global **Tags** tab. From there you can create tags, edit existing tag names and descriptions, and copy tags.

Updating Collections to Use Different Tags

Tags defined in Release Control Administration are used in collections to determine what plugin information to show.

If you are using the default implementation, you do not need to make any changes. However, if you've added tags to use for custom collections or to combine types of information shown in the default collections, you must modify the collections to use the added tags.

To update the collections to use different tags:

1. In SBM Composer, open the process app that you want to update, such as *RLC - Release Package* or *RLC - Release Train*.
2. Select **Visual Design** in the App Explorer.
3. Select the form to update, such as **RT Deployment State Form**.
4. In the form, select the tab for the collection you want to update.
5. Select the collection widget.
6. If you are updating an object collection, such as **Requests** or **Deployment Units**, in the Property Editor Parameters **Tags** field, update the list of tags. In execution collections, such as Deployment Tasks, update the **View Tags** field.
7. If you are changing the name of the collection, you should update the tab name to match.
8. Deploy the process app.

For details on updating and deploying process apps, see the SBM Composer documentation.

Using Different Tags for Linking Objects to Tasks

By default, the tags defined for objects that can be linked to deployment tasks are Deployment Unit and Request. If you want to link a different type of object to deployment tasks than these defaults, you must define the tag in the project and in the corresponding plugin object configuration.

For example, if you want to link requirements to a deployment task, you can add a Requirements tag.

To add and use default tags:

1. Add a new tag in the project.
 - a. Add a new tag in the project. In SBM Application Administrator, open the project in which you want to override the tag.
For example, navigate to All projects > Base Project > Release Packages Projects > Release Packages.
 - b. In the navigation pane, select **Default Fields**.
 - c. Search for and select the **Entity Tags** field.
 - d. In the **Attributes** section, add a comma and a new tag to the **Default Value** field. For example: `,REQUIREMENT`

-
- e. Save changes.
2. Add the tag to the object configuration.
 - a. In Release Control Administration, view the object configuration that you want to use. For example, the DA Component Versions configuration.
 - b. Open the **Tags** tab, click Edit and create a new tag that matches the one you added in the Entity Tags field, such as REQUIREMENT. If you are changing a configuration that already has tags you no longer want, remove the old tags. For example, for the DA Component Versions configuration, delete the Deployment Unit tag from the right column and leave only the REQUIREMENT tag.
 - c. Save changes.
 3. Test as follows:
 - a. Create a new item in the project you modified, such as a release package.
 - b. Create a deployment task using the plugin configuration in which you added the new tag, such as the DA Component Version Actions configuration.
 - c. Click the link icon to add a component version, and the object configuration that you modified to use the new tag should be listed, such as the DA Component Versions configuration.



Important: Existing project items are not affected, just future items, so if you add a deployment task in an existing release package, for example, and you have only the new tag assigned to the object configuration, no configurations will be listed when you click the link icon.

Auxiliary Table Level Configuration Overrides

Using entries in the *RLC Configuration Overrides* table, you can pre-define sets of field values for specific purposes, such as for a project, an application, or a release.

Auxiliary table level configuration overrides are used to:

- Limit value selections when adding objects in collections, such as requests, deployment units, and deployment tasks.
- Define sets of overrides for all configurations (global) or limited by a configuration UUID or tag.
- Define environment-specific overrides to enable matching Release Control environments to provider environments.



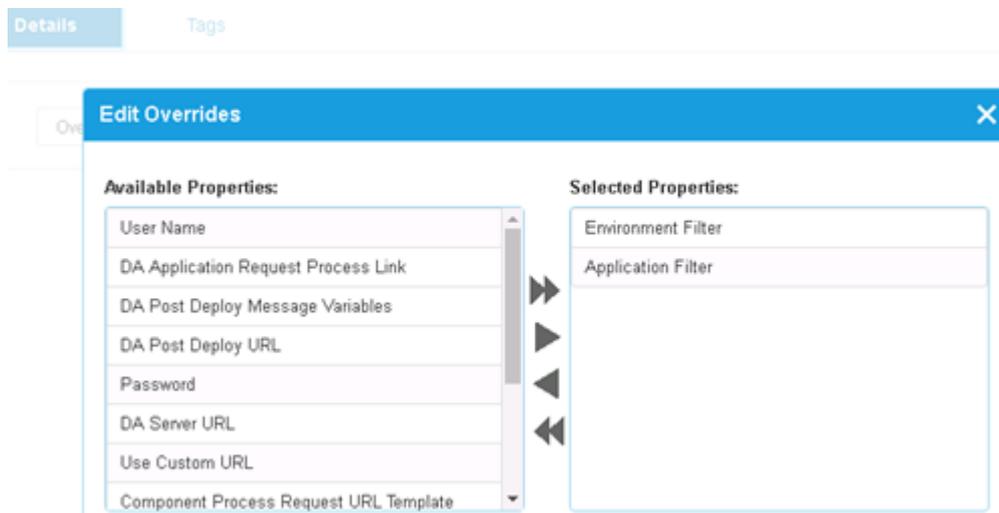
Note: These overrides are not used when validating and executing tasks. Overrides available at the configuration level, which override base configuration settings, are used when validating and executing tasks. See [Adding Action and Item Configurations \[page 11\]](#).

CAUTION:

It is not recommended to override connection information this way unless you are doing it only to restrict the selections for objects such as requests. If a user ID specified in an override has permission to make selections but the user ID specified in the configuration or its internal override does not have enough permissions to execute the deployment, the deployment may fail. The user ID in the configuration or its internal override must have the permissions necessary for validation and execution.

To override configuration settings:

1. Select the fields for which overriding is allowed. See [Making Fields Eligible for Override \[page 20\]](#).



2. Add entries to the *Configuration Overrides* table. See [Adding Configuration Overrides \[page 20\]](#).

You can use dynamic values in the *Configuration Overrides* table to access the exact values for fields set within an item, such as a release package or deployable release train. To dynamically override the field value, the field must be used on a form.

The following figure shows property value overrides for Environment Filter. For information on using environment-specific overrides, see [Configuring Environment-Specific Field Overrides \[page 22\]](#).

Override config field settings

First Item | Previous Item | Next Item | Last Item

[Update](#) [Delete](#)

▼ **Overview**

Title: Override config field settings

Description: Example of overriding plugin configuration settings

▼ **Details**

Property Name	Property Value / Env DB Field Name	Env Scope
environmentFilter	DEV,QA	Global ▼

3. Apply the configuration override entry in release items. See [Applying Configuration Overrides \[page 22\]](#).

Update 000246: RP2 for DA

▼ **Options**

Bypass Deployed State:
Yes ▼

Deployment Unit Widget View:
Enter value to find here
Default DU Custom Columns ▼

Request Widget View:
Enter value to find here
Default Requests Custom Columns ▼

Configuration Override:
Enter value to find here
Override config field settings ▼

Deployment Unit Widget
Enter value to find here
Default DU Add Cus

Request Widget Add:
Enter value to find here
Default Request Ad

Task Action Rules:
Enter value to find here

For more details, see the following:

- [Making Fields Eligible for Override \[page 20\]](#)
- [Adding Configuration Overrides \[page 20\]](#)
- [Applying Configuration Overrides \[page 22\]](#)

- [Configuring Environment-Specific Field Overrides \[page 22\]](#)

Making Fields Eligible for Override

To override plugin configuration field values in an item or project using a *Configuration Override* auxiliary table entry, the fields must be eligible for override.



Important: The Release Control Administration options can be performed only by users with Managed Administrator privileges.

To select overrides for a configuration:

1. In your Web browser, enter the URL for Release Control Administration. For example:

```
http://serverName/workcenter/tmtrack.dll?StdPage&Template=rlc/admin
```



Tip: The link for your installation is in SBM Configurator on the **Release Control** page.

2. In the **Configurations** tab, select a plugin configuration at the level you want to allow overrides, either base or configuration level.

If you allow configuration overrides on the base level, the child action or item configurations inherit these settings. You can also allow overrides on the child level even if they were already set in the base configuration. If you remove an override selection from the base in this case, it will still be allowed on the child level.

3. In the **Details** tab, select **Overrides** from the drop-down.
4. Click **Edit**.
5. Select the fields you want to make eligible for override and click **Save**.



Note: If you allow overrides at the configuration for an actions configuration but not at the item configuration level, there may be situations where your deployment task cannot be overridden completely due to the associations of items. In this case, it is better to override at the base level so that it encompasses the related actions and item configurations.

Adding Configuration Overrides

Configuration override auxiliary table entries can be set up to enable overriding plugin configuration field values at the item or project level.

Each configuration override entry can have multiple property value rows, so that a set of field overrides is contained in a single table entry. Once created, the set of configuration overrides can be selected in options for deployable release trains and release packages.

To create a configuration override entry:

1. In Work Center, click the user icon in the upper right of the page, and then select **Manage Data**.
2. In the **Table** field, select *Configuration Override*.

3. Click **Submit**.



Tip: If you want to see if an override already exists, select any filters needed to limit results and click **Search** to search for existing rules.

4. Enter a title and description.

5. Click **Add Row**.

6. Enter **Property Name**, which is the internal name of the field you want to override.



Tip: In the plugin configuration **Overrides** view, click the copy icon next to the field name to copy the field's internal name to the clipboard.

7. Enter **Property Value**, which is the value for the field that you want to use instead of the one defined in Release Control Administration.



Note:

- For selection values, use *true* for selected and *false* for deselected.
- If you want to set up environment-specific configuration overrides, some process app customization is required. See [Configuring Environment-Specific Field Overrides \[page 22\]](#). After the customization is completed, you must:

a. Enter the configuration field internal name in **Property Name** and the environment database field you want to use to override it in **Property Value**. For example:

- To limit selection of a ChangeMan ZMF environment to its matching Release Control environment, enter `promotionSiteFilter` for **Property Name** and `ZMF_SITE` for **Property Value**.
- To limit selection of a Deployment Automation environment to its matching Release Control environment, enter `environmentFilter` for **Property Name** and `SRA_ENVIRONMENT_UUID` for **Property Value**.



Tip: You can copy the field's internal filter name to the clipboard from the configuration **Overrides** page using the copy button next to the field.

b. Select the **Env** checkbox so that it will use the environment database field rather than the property values.

8. Select **Scope** as follows:

- **Global:** The override is applied to all same-named properties for all configurations.
- **By UUID:** The override is applied only to a specific configuration. For this, you must specify the UUID of the configuration.

- **By Tags:** The override is applied only to configurations with a specified tag. You must specify the internal name of the tag.



Tip: In Release Control Administration in a **Tags** page, click the copy icon beside the tag definition to copy the field internal name to the clipboard.

9. Enter **Scope Value**. For example, if **UUID** is selected for **Scope**, enter the UUID from the configuration to which you want this override to apply.



Tip: In Release Control Administration in the configuration view, click the copy icon beside the UUID field to copy the UUID to the clipboard. The UUID is not shown on the configuration edit page.

10. Click **Submit**.

Applying Configuration Overrides

After you have defined the configuration overrides, including environment-specific field overrides, you can apply them at the deployable release train, release package, or project levels.

Apply an override entry in one of the following ways:

- **Release Package Level:** In a release package, select an entry in the **Options** section **Configuration Override** field. See *Release Control Getting Started Guide* or online Help, "Creating Release Packages".
- **Deployable Release Train Level:** In a deployable release train, select an entry in the **Options** section **Configuration Override** field. See *Release Control Getting Started Guide* or online Help, "Creating Deployable Release Trains".
- **Project Level:** In SBM Application Administrator, you can select the override entry for the project and set the **Configuration Override** field to read only so that end users cannot change it. This way the overrides are set automatically for each new release package and deployable release train in that project.

In SBM Composer, you can hide the **Configuration Override** field in the process app if you do not want end users to see it.

Configuring Environment-Specific Field Overrides

You can override fields per environment. This is an extension of the configuration overrides feature, and requires some additional setup.

These overrides can be used to ensure that logical environments in Release Control match the intended target deployment environments, such as a Release Control development environment matching the development environment in Deployment Automation, QA matching the QA environment, and so on. After the override is set up and applied, only the matching environments can be selected in deployment tasks.

The following procedure includes an example for ChangeMan ZMF `ZMF_SITE`. For additional examples, see Knowledgebase items [S142319](#) (ChangeMan ZMF) and [S142326](#) (Deployment Automation).

To prepare to use a configuration override for a specific environment:

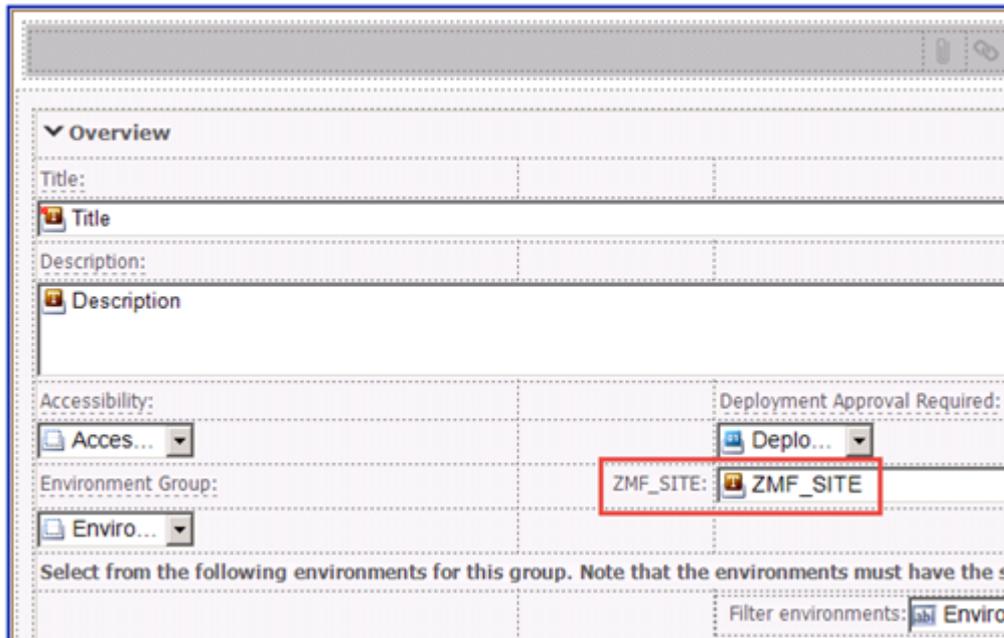
1. If it does not already exist, add the field that identifies the environment for your plugin, such as Deployment Automation `SRA_ENVIRONMENT_UUID` or ChangeMan ZMF `ZMF_SITE`. The field you use to hold the environment information may be as simple as a text field or you can add selection fields and add auxiliary tables to hold the environment values. This gives Release Control a way to hold the information about matching sites. To do this, in SBM Composer open the *RLC - Environment* process app and in **Data Design**, update the *Environments* table. The following figure shows `ZMF_SITE` defined as a text field.

Field name	Type	Database field name	Section	Dependent fields
Deployment Approval Re...	Binary/Tertiary	RLM_DEPLOYMENT_APPRO...	Standard	N/A
Group Member Requires ...	Binary/Tertiary	RLM_GROUP_MEMBER_APP...	Standard	N/A
Owner	User	OWNER	Manager	N/A
Secondary Owner	Multi-User	SECONDARYOWNER	Manager	N/A
Last Modifier	User	LASTMODIFIER	System	N/A
Last State Changer	User	LASTSTATECHANGER	System	N/A
ZMF_SITE	Text	ZMF_SITE	Standard	N/A
SRA Application UUID	Text	SRA_APPLICATION_UUID	Standard	N/A
Temp Application	Text	RLM_TEMP_APPLICATION	Deleted	N/A
SRA Environment	Single Relational	SRA_ENVIRONMENT	Deleted	N/A
Approval Required	Binary/Tertiary	RLM_APPROVAL_REQUIRED	Deleted	N/A



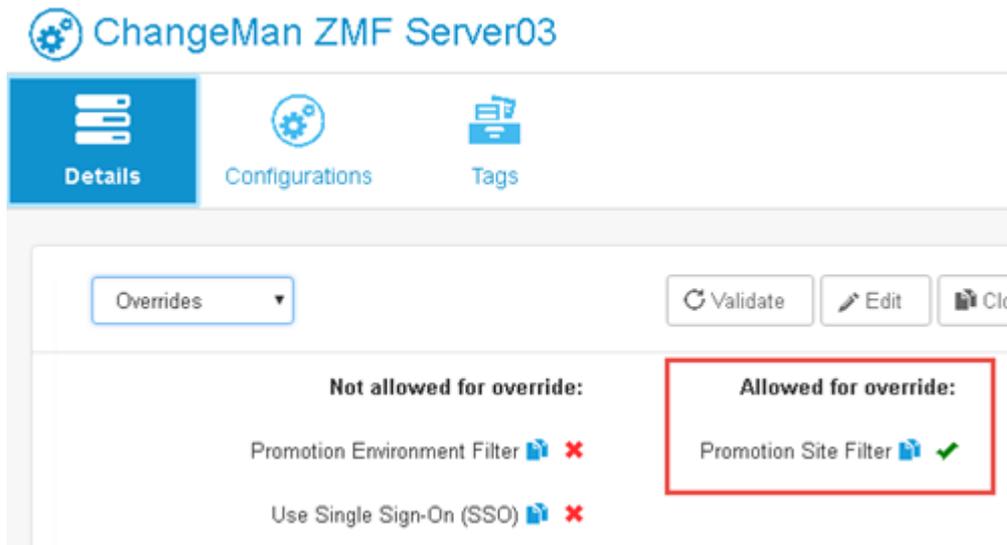
Tip: You must add any fields that do not already exist in the Environments table. If you use an existing field that is in Deleted status, you must restore it and move it to a valid section.

2. In SBM Composer, update the *RLC - Environment* process app's Visual Design Environment **Master** and **Update** forms to add the field you just added in the database to the form. The **ZMF_SITE** field has been added to the Update Form in the following figure.



After you deploy the updated process app, this gives you a way to add the matching name of the environment while creating and updating an environment item. If the new field is a selection field to be populated by an auxiliary table, the names can be selected. If it is a simple text field, you type them in the field. See Step 6.

3. In SBM Composer, save and check in as needed and deploy the updated *RLC - Environment* process app.
4. In the plugin configuration, allow override for the environment fields.



See [Making Fields Eligible for Override \[page 20\]](#).

5. Add the configuration override auxiliary table entry.

Update 000230: RP1 for ZMF

Bypass Deployed State:
Yes ▾

Deployment Unit Widget View:
Enter value to find here
Default DU Custom Columns ▾

Deployment Unit Widget Add:
Enter value to find here
Default DU Add Custom Columns ▾

Request Widget View:
Enter value to find here
Default Requests Custom Columns ▾

Request Widget Add:
Enter value to find here
Default Request Add Custom Column: ▾

Configuration Override:
Enter value to find here
Override fields by environment ▾

Task Action Rules:
Enter value to find here

See [Applying Configuration Overrides \[page 22\]](#).

8. To test, create a deployment task using the plugin configuration for which you have added the override.

Your task environments should automatically be populated with the environment names that you entered when you created or updated the environment items.

Edit Task for ChangeMan ZMF Change Package Actions for Server03 Configuration

*Promotion Site:	UATSITE
*Promotion Environment:	UATSITE/UATAREA/20
Schedule Options:	(None) i
<input type="checkbox"/> Environment: PATSITE	
*Promotion Site:	PATSITE
*Promotion Environment:	PATSITE/PATAREA/30
Schedule Options:	(None) i
<input type="checkbox"/> Environment: BKUPSITE	
*Promotion Site:	BKUPSITE
*Promotion Environment:	-- Select --
Schedule Options:	(None) i

See "Adding Deployment Tasks" in the *Release Control Getting Started Guide* or online Help.



Note: Actions can also be allowed or disallowed (filtered) in plugin action configurations. If you want to prohibit an action for all environments, you should use the configuration action filter to do so. See [Adding Global Task Action Rules \[page 28\]](#).

Limiting Task Actions by Environment

Task action rules set global limits on the available deployment and failure task actions for selected environments and environment groups.

One example where action rules for environments are important is when you execute deployment tasks that use the ChangeMan ZMF plugin. The final approval of change packages should be limited to only production environments, because upon this approval, the installation is immediately started. Therefore, the Approve (PROD) action should be allowed only on production environments.

Another example is when you execute deployment tasks that use the Deployment Automation plugin. You may want to disallow running component processes on production environments.

All task action rules apply to all future release items. The main purpose for this feature is to set rules that should apply across the system. However, if necessary, administrative users can select just specific rules for a release item if they don't want all of the rules to apply.

Viewing the Rules for a Release Item

To view the task action rules that are set for a release package or deployable release train, view the release package and in the **History** tab, expand the **System** section. The list of rules appears in the **Task Action Rules** field. If no rules are listed, all rules that are defined apply.

Rules and Task Templates

Task action rules are not enforced in task templates at the time their tasks are created. Instead the rules are enforced for tasks created from task templates, based on the rules set for the release package or deployable release train. Even if the rule is not visually apparent at the time the deployment or failure task is created from the task template by grayed out environments, it will be enforced at the time of deployment.



Important: If rules are added after a release item has already been created, the rule doesn't apply, so you should set the rules you want before beginning to create release items.

For more details, see the following:

- [Adding Global Task Action Rules \[page 28\]](#)
- [Filtering Rules for Specific Release Items \[page 29\]](#)

Adding Global Task Action Rules

When you add task action rules, they are applied globally by default.

To add a task action rule:

1. In Work Center, click the user icon in the upper right of the page, and then select **Manage Data**.
2. In the **Table** field, select **RLC Task Action Rules**.
3. Click **Submit**.



Tip: If you want to see if a particular rule already exists, select any filters needed to limit results and click **Search** to search for existing rules.

4. Enter a title and description. If you leave the title blank, it is automatically generated based on the plugin configuration and action name.
5. In **Action Name**, enter the fully-qualified internal action name for the action that you want to limit by environment. This is the fully-qualified name with `<database name>.<internal action name>`.

For example:

- For the Deployment Automation Run Component Process action, enter: `rlc-provider-sda.runComponentProcess`

-
- For the Deployment Automation Run Application Process action, enter: `rlc-provider-sda.runApplicationProcess`

For a list of internal action names by plugin, see Knowledgebase item [S142281](#).



Tip: To copy the internal action name from a deployment task, edit the task and click the copy icon next to the action field you want to copy. This copies the fully-qualified internal name to your clipboard.



Note: Only one rule can be set for each unique action name.

6. Select the **Rule Type** you want to apply to a set of environment as follows:
 - **Allow:** Select this if most environments should not be allowed this action.
 - **Disallow:** Select this if most of the environments should be allowed this action.

If you select **Allow** for a set of environments, any others are disallowed. If you select **Disallow** for a set of environments, any others are allowed.

7. Find and select the environments and environment groups for which you want to allow or disallow the specified action.



Note: After you have added the rule, any future environments or environment groups that are created have the action either implicitly allowed or disallowed when this rule is applied, depending on which of these you selected. If you set Allow, all new ones will be disallowed; if you set Disallow, all new ones will be allowed. You must update the rule if you want to explicitly allow or disallow the action in additional environments or environment groups.

8. Click **Submit**.

After you have added the rules, they are applied to all future release items by default. If you want to override them at the release item level, you must select just the ones you want at that level.



Note: Actions can also be allowed or disallowed (filtered) in plugin action configurations. If you want to prohibit an action for all environments, you should use the configuration action filter to do so.

Filtering Rules for Specific Release Items

After you have defined the task rules in the auxiliary table, they are automatically applied to all future release items. If you do not want all rules applied for a specific release item, you can select just the ones you want at that level, including release package, deployable release train, or project level. If no task actions are selected at the release item level, all apply.

Filter task action rules by selecting just the ones you want as follows:

- **Release Package Level:** In a release package, find and select one or more entries in the **Options** section **Task Action Rules** field. See *Release Control Getting Started Guide* or online Help, "Creating Release Packages".

- **Deployable Release Train Level:** In a deployable release train, find and select one or more entries in the **Options** section **Task Action Rules** field. See *Release Control Getting Started Guide* or online Help, "Creating Deployable Release Trains".
- **Project Level:** In SBM Application Administrator, you can select the task action rules entries for the project and set them the **Task Action Rules** field to read only so that end users cannot change them. This way the rules are set automatically for each new release package and deployable release train in that project.

In SBM Composer, you can hide the **Task Action Rules** field in the process app if you do not want end users to see it.



Important: If you select a subset of the global action rules, any existing tasks with other rules already applied are not impacted. You must apply the rule before setting up the tasks for the rule to take affect.

Custom Columns

Custom columns enable you to specify the fields from integrating products that you want to reference in Release Control. These are typically used to display information in collection lists, such as requests and deployment units.

Default collection columns and their related custom column table entries are pre-configured in the default installation, so you do not need to do any extra configuration to have a working implementation. However, you can customize them for your implementation.

For information on configuring custom column fields, see the following:

- [Updating Custom Column Table Entries \[page 30\]](#)
- [Adding Custom Column Entries \[page 31\]](#)
- [Applying Custom Column Entries \[page 32\]](#)
- [General Custom Column Fields \[page 32\]](#)
- [Provider-Specific Custom and Extended Fields \[page 33\]](#)
- [Adding Custom Columns to Collections \[page 36\]](#)

Updating Custom Column Table Entries

To update custom column auxiliary table entries:

1. In SBM Application Administrator, click **Auxiliary Data**.
2. Select the *RLC Custom Columns* auxiliary table.
3. Select a row and click **Details**.



Note: Default rows include View and Add entries for requests and deployment units. The View entries are used for lists showing existing requests and deployment units, and the Add entries are used in the selection lists shown when adding requests and deployment units.

-
4. Click **Update**.
 5. Update existing or add new field information in **Display Names** and matching **Internal Names** using the built-in fields.
 - Use the general fields for columns that are not provider-specific. See [General Custom Column Fields \[page 32\]](#).
 - Use the provided aliases if you are using more than one provider for deployment units or requests and they use similar column data, such as create date. See [Aliases for Similar Provider-Specific Fields \[page 34\]](#).
 - Use extended or custom fields in the plugin configurations to specify any other fields you may want to reference. See [Provider-Specific Custom and Extended Fields \[page 33\]](#).
 - Specify a width for a column by appending a colon and the width to the Internal name. For example, description:300.



Tip: Use the Help on the right side of the update form for more information.

Adding Custom Column Entries

To add custom column entries:

1. In SBM Application Administrator, click **Auxiliary Data**.
2. Select the *RLC Custom Columns* auxiliary table.
3. Click **New**.
4. Enter a title and description.
5. Enter **Display Names** and matching **Internal Names** using the built-in fields.
 - Use the general fields for columns that are not provider-specific. See [General Custom Column Fields \[page 32\]](#).
 - Use the provided aliases if you are using more than one provider for deployment units or requests and they use similar column data, such as create date. See [Aliases for Similar Provider-Specific Fields \[page 34\]](#).
 - Use extended or custom fields in the plugin configurations to specify any other fields you may want to reference. See [Provider-Specific Custom and Extended Fields \[page 33\]](#).
 - Specify a width for a column by appending a colon and the width to the Internal name. For example, description:300.



Tip: Use the Help on the right side of the update form for more information.

Applying Custom Column Entries

To use custom column entries for release packages or deployable release trains, you must apply the entry.

An administrator should set a default value for this field in the Release Packages project, and typically, non-administrative users should not be able to change the selection. However, if you need to select the custom column entries to use for a particular release package or deployable release train, use the following procedure.



Note: The *RLC Custom Column* auxiliary table implementation is provided so that you don't have to manually update columns on the forms. However, if you don't want to use this implementation and instead choose to manually enter custom columns as parameters in the widget, you must update all occurrences of the widget on state forms and transition forms.

To select custom column entries:

1. In Work Center in Release Control, create or update a release package or other release item that includes the Deployment Unit or Request Collection widget.
2. In the **Options** section of the submit or edit form you are filling out, find and select the custom column entry you want to use for each of the following fields:
 - Deployment Unit Widget View
 - Deployment Unit Widget Add
 - Request Widget View
 - Request Widget Add

The default selections are shown in the following figure:

The screenshot shows the 'Options' section of a form, organized into two columns. Each column contains four rows of controls:

- Row 1:** 'Bypass Deployed State:' with a dropdown menu set to 'Yes'.
- Row 2:** 'Bypass Deployment Complete State:' with a dropdown menu set to 'No'.
- Row 3:** 'Deployment Unit Widget View:' with a search input field containing 'Enter value to find here', a search icon, and a dropdown menu set to 'Default DU Custom Columns'.
- Row 4:** 'Deployment Unit Widget Add:' with a search input field containing 'Enter value to find here', a search icon, and a dropdown menu set to 'Default DU Custom Columns'.
- Row 5:** 'Request Widget View:' with a search input field containing 'Enter value to find here', a search icon, and a dropdown menu set to 'Default Requests Custom Columns'.
- Row 6:** 'Request Widget Add:' with a search input field containing 'Enter value to find here', a search icon, and a dropdown menu set to 'Default Requests Custom Columns'.

General Custom Column Fields

Following are the general case-sensitive custom column fields, which are common across providers:

```
id
artifact_id
request_id
description
name
provider_instance_UUID
provider_instance_name
syncattempteddatetimestring
syncsucceededatetimestring
syncmessage
syncstatus
title
type
url
```

General Fields for View Widgets Only

Some of the general fields can be shown only in the request and deployment unit *view* widgets, because they are populated on the Release Control side rather than on the provider side. If you use these fields in the request or deployment unit *add* widget, you should create a separate *RLC Custom Column* table entry for the add widget rather than sharing the column entry for the view and add widgets; otherwise, these fields will be empty. These case-sensitive fields are as follows:

```
artifact_id      request_id
provider_instance_UUID  provider_instance_name
syncattempteddatetimestring  syncsucceededatetimestring
syncmessage      syncstatus
```

Synchronization Fields for Reload Data Transitions

Synchronization data appears in the columns for a request or deployment unit widget only if **Reload Request Data** or **Reload Deployment Unit Data** transitions are executed. (By default, this is done in release packages on the **Requests** or **Deployment Unit** tabs, respectively.) The sync fields are populated as follows:

- `syncattempteddatetimestring`: shows the last time a reload was done
- `syncmessage`: if the reload failed, shows the error received from the provider
- `syncstatus`: either **FAILED** or **SUCCEEDED**
- `syncsucceededatetimestring`: shows the last time a reload was successful

For information on the reload transitions, see "Reloading Request Data" and "Reloading Deployment Unit Data" in the *Release Control Getting Started Guide*.

Provider-Specific Custom and Extended Fields

Some plugins include custom fields, extended fields, or custom attribute fields that enable you to specify fields that you want to reference. You can specify them in custom column entries in addition to all of the other types of fields available. This enables them to appear in the collection columns in the associated widgets, such as **Requests** and **Deployment Units**.

Provider-Specific Custom Column Fields

All providers that associate requests or deployment units have provider-specific custom column fields pre-defined so that you can use those for column data in **Requests** and **Deployment Units** collections.

Some providers use extended fields and custom attributes in conjunction with custom column fields to populate and format the collection data. Examples of these include SBM and ServiceNow.

For the list of custom column fields for this plugin, see:

[Custom Column Fields for SBM \[page 50\]](#)

Aliases for Similar Provider-Specific Fields

Aliases are a type of general field that should be used if you are using multiple providers for deployment units or requests. Alias fields should be used instead of the related provider-specific field to avoid having the same type of data appear in separate columns.

Alias Field Table

Following are the aliases and the provider-specific fields that they include.

Alias Display Name	Alias Internal Name	Provider	Provider Display Name	Provider Internal Name
Created By	createdBy	ZMF	Creator	creator
		DA	Creator	creator
		Dimensions CM	Originator	originator
		SBM	Created By	createdBy
		JIRA	Reporter	reporter
		ALM	Created By - For Defects	BG_DETECTED_BY
		ALM	Created By - For Requirements	RQ_REQ_AUTHOR
		ALM Octane	Created By	createdBy
ServiceNow	Created By	sys_created_by		

Alias Display Name	Alias Internal Name	Provider	Provider Display Name	Provider Internal Name
Created On	createdOn	ZMF	Create Date	createDate
		DA	Created	created
		Dimensions CM	Creation Date	creationDate
		SBM	Create Date	createdDate
		JIRA	Created On	createdOn
		ALM	Created On - For Defects	BG_DETECTION_DATE
		ALM	Created On - For Requirements	RQ_REQ_DATE
		ALM Octane	Created On	createdOn
		ServiceNow	Created On	sys_created_on
Owner	owner	SBM	Owner	owner
		JIRA	Assignee	assignee
		ServiceNow	Assigned To	assigned_to
Updated By	updatedBy	Dimensions CM	Last Updated By	lastUpdatedBy
		SBM	Modified By	modifiedBy
		ServiceNow	Updated By	sys_updated_by

Alias Display Name	Alias Internal Name	Provider	Provider Display Name	Provider Internal Name
Updated On	updatedOn	Dimensions CM	Update Date	updateDate
		SBM	Modified Date	modifiedDate
		ServiceNow	Updated On	sys_updated_on
type	Type	SBM	Active/Inactive	activeinactive
		JIRA	Type	issuetype

Adding Custom Columns to Collections

After you have added custom column entries to the auxiliary table and have applied the entries to projects or individual release items, they are now available to be used in collections, such as request and deployment unit lists.

To add custom columns to collections:

1. Add a request or deployment unit.
2. The columns defined in the custom column table entries for view and add will be available for the corresponding list.



Note: Existing requests and deployment units are not automatically updated with the new columns. Click **Reload Request Data** or **Reload Deployment Unit Data** to display the updated columns and their data.

SBM Plugin Configuration Overview

Through the SBM plugin, Release Control requests are associated with SBM items, such as issues and incidents, and Release Control tasks execute SBM actions, such as submit and transition.

Before you can use the SBM plugin, administrators must do the following:

- Prepare the plugin for use. At minimum, the example configurations must be updated with valid connection information. See [Preparing the Plugins \[page 5\]](#).
- Configure custom column fields to display appropriate data. See [Custom Column Fields for SBM \[page 50\]](#).

See the following for more details.

- [SBM Base Configuration Details \[page 37\]](#)
- [SBM Actions Configuration Details \(IDM Example\) \[page 38\]](#)

- [SBM Item Configuration Details \(IDM Example\) \[page 41\]](#)
- [SBM Actions Configuration Details \(Manual Tasks Example\) \[page 43\]](#)
- [SBM Item Configuration Details \(Sample Request Example\) \[page 46\]](#)
- [Using Extended Fields to Set Values in Items \[page 47\]](#)
- [Using Extended Fields to Format Request Data \[page 47\]](#)
- [Configuring Process Apps for Callback \[page 49\]](#)
- [Configuring for Callback from External Systems \[page 50\]](#)
- [Custom Column Fields for SBM \[page 50\]](#)

SBM Base Configuration Details

Add a base configuration to define shared properties for a set of SBM item and action configurations.

Field Descriptions

The field descriptions are included in the UI. While creating or editing a configuration, point to a field name to view its description.

The base configuration fields are described in the following table.

Field	Description	Example Values
SBM Web Services	URL for the SBM application web services	http://<serverName>:80/gsoap/gsoap_ssl.dll?sbmappservices72
SBM Rest Services	URL for SBM REST services	http://<serverName>:80/tmtrack/tmtrack.dll?
Use Single Sign-On (SSO)	<p>Select single sign-on to allow the provider service to log in to the SBM system using the authentication token of the user.</p>  <p>Note: If you are logging into a separate SBM system that doesn't share the same SSO server, you will receive the following message "An error occurred while getting collection details" when trying to find an item on the other system.</p>	
User Name	SBM user name; ignored if Use Single Sign-On (SSO) is selected	

Field	Description	Example Values
Password	SBM password; ignored if Use Single Sign-On (SSO) is selected	
Open in Work Center	Select this to open the item in Work Center.	

Related Topics

[Release Control Administration Overview \[page 5\]](#)

[Adding Base Configurations \[page 10\]](#)

SBM Actions Configuration Details (IDM Example)

An example SBM Actions configuration, **SBM Item Actions for "Issue Defect Management"**, is provided for creating and transitioning SBM items in the *RLC - Sample DB IDM* (Issue Defect Management) process app.

The SBM Actions configuration is used when adding deployment tasks. It enables you to submit or transition SBM items when you deploy deployable release trains and release packages.



Note: The example configuration requires the *RLC - Sample DB IDM* process app.

Field Descriptions

The field descriptions are included in the UI. While creating or editing a configuration, point to a field name to view its description.

Some of the available fields for this configuration are defined at the base configuration level. Additional fields are described in the following table.

Field	Description	Example Values
SBM Table (DBNAME)	Enter the database table name of the SBM table in which you want to submit or transition execution items.	UBG_ISSUES
Project Filter	Enter the SBM project in which the items can be actioned, using the internal name without the database table name. For example, for a project named TRM_RLM_DEPLOY_TASKS.MANUAL_DEPLOYMENT_TASKS, enter MANUAL_DEPLOYMENT_TASKS.	

Field	Description	Example Values
Hide Project Selection	Hides the Project list on a task form. Only select this option if there is a single project in the list.	
Query Where Clause	Enter a SQL query where clause to be used to search fields and return the list of possible requests to action. See the SBM documentation about the <code>GetItemsByQuery</code> call for more information.	TS_PROJECTID=@<PROJECTID> AND (TS_TITLE LIKE N'%@<SEARCHTERMS>%' OR TS_DESCRIPTION LIKE N'%@<SEARCHTERMS>%')
Order By Clause	Enter a SQL statement to order the results of the query. Use this statement to place newest items first in the list or to separate them based on project. See the SBM documentation about the <code>GetItemsByQuery</code> call for more information.	TS_TITLE
Execution ID Database Field Name	If you plan to submit or transition items in an SBM system external to the SBM on which Release Control is running, specify the execution ID database field name for that system. Note: This field is specific to the default Manual Deployment Task process app for Release Control version 6.0.1 or above. If you are using the Manual Deployment Task process app but aren't upgrading it, you should leave this field empty. If you are using a custom process app, you can add logic to populate this field.	
Action Filter	Enter a comma-separated list of actions to be available for execution.	Create, CreateSimple, Transition, and CheckStatus
Hide Submit Transition	Select this to hide the Submit transition in tasks.	
Extended Fields	Enter a comma-separated list of fields to populate with data when submitting or transitioning items. The values are the database names for the fields. See Using Extended Fields to Set Values in Items [page 47] .	PRIORITY, REGRESSION, FUNCTIONAL_AREA, HOW_FOUND
Transitions	Enter a comma-separated list of transitions that will be available if you choose the Transition Item action in tasks.	UPDATE, FIX, RETRY, CLOSE

Field	Description	Example Values
Default Action Transition	Enter the name of the transition to be used as the default Action transition in tasks.	UPDATE
Hide Action Transition	Select this to hide the Action transition in tasks.	
Update Transition Name	If you plan to update items in an SBM system external to the SBM on which Release Control is running, specify the update transition name for that system. See the note for the previous field, which also applies to this field.	UPDATE
Default Retry Transition	Enter the name of the transition to used as the default Retry transition in tasks.	RETRY
Default Cancel Transition	Enter the name of the transition to used as the default Cancel transition in tasks.	CLOSE
Hide Retry and Cancel Transitions	Select this to hide the Retry and Cancel transitions in tasks.	
Check Status Polling Interval	This field tells the job polling system at what intervals to check the SBM item, in seconds. The default polling interval is 60 seconds.	60

Field	Description	Example Values
Wait for Callback	<p>Select this to wait for the system to respond with results.</p> <p> Important: You should select this for the process apps that are using callbacks, such as the default Manual Deployment Task process app. If you do, manual deployment task items cannot be transferred through the workflow. Conversely, you should not select this for the process apps that are not using callbacks, such as the default IDM process app. If you want to update process apps to support callbacks, see Configuring Process Apps for Callback [page 49].</p> <p>If you are using any external SBM systems for your providers, see Configuring for Callback from External Systems [page 50].</p>	Deselect
System User Time Zone Name	<p>This field is used to set the time zone used in the display of date/time fields in Release Control. If the time zone of the Release Control server is different than that of the SBM user profile locale, enter the time zone of the SBM locale in this field. See https://en.wikipedia.org/wiki/List_of_tz_database_time_zones or similar sites for information on Java time zone entries.</p> <p>If this field is blank, the time zone of the Release Control server is used to calculate the time.</p>	America/Los_Angeles

Related Topics

[Release Control Administration Overview \[page 5\]](#)

[Adding Base Configurations \[page 10\]](#)

[Adding Action and Item Configurations \[page 11\]](#)

[Updating Plugin Configuration Details \[page 13\]](#)

SBM Item Configuration Details (IDM Example)

An example SBM Item configuration, **SBM Items from "Issue Defect Management"**, is provided for associating Sample DB IDM items with Release Control requests.



Note: The example configuration requires the Sample DB IDM process app.

Field Descriptions

The field descriptions are included in the UI. While creating or editing a configuration, point to a field name to view its description.

Some of the available fields for this configuration are defined at the base configuration level. Additional fields are described in the following table.

Field	Description	Example Values
SBM Table (DBNAME)	Enter the database table name of the SBM table in which you want to submit or transition execution items.	UBG_ISSUES
Project Filter	Enter the SBM project in which the items can be actioned, using the internal name without the database table name. For example, for a project named <code>TRM_RLM_BUSINESS_REQ.BUSINESS_REQUESTS</code> , enter <code>BUSINESS_REQUESTS</code> .	
Extended Fields	Enter a comma-separated list of fields to populate with data when submitting or transitioning items. The values are the database names for the fields. See Using Extended Fields to Format Request Data [page 47] .	PRIORITY,REGRESSION, FUNCTIONAL_AREA, HOW_FOUND
Query Where Clause	Enter a SQL query where clause to be used to search fields and return the list of possible requests to relate. See the SBM documentation about the <code>GetItemsByQuery</code> call for more information.	TS_PROJECTID=@<PROJECTID> AND (TS_TITLE LIKE N'%@<SEARCHTERMS>%' OR TS_DESCRIPTION LIKE N'%@<SEARCHTERMS>%')
Order By Clause	Enter a SQL statement to order the results of the query. Use this statement to place newest items first in the list or to separate them based on project. See the SBM documentation about the <code>GetItemsByQuery</code> call for more information.	TS_SUBMITDATE ASC

Related Topics

[Release Control Administration Overview \[page 5\]](#)

[Adding Base Configurations \[page 10\]](#)

[Adding Action and Item Configurations \[page 11\]](#)

[Updating Plugin Configuration Details \[page 13\]](#)

SBM Actions Configuration Details (Manual Tasks Example)

An example SBM Actions configuration, **SBM Item Actions for "RLC - Manual Deployment Task"**, is provided for creating and transitioning SBM items in the Manual Deployment Task process app.

The SBM Actions configuration is used when adding deployment tasks. It enables you to submit or transition SBM items when you deploy deployable release trains and release packages.



Note: The example configuration requires the Manual Deployment Tasks process app.

Field Descriptions

The field descriptions are included in the UI. While creating or editing a configuration, point to a field name to view its description.

Some of the available fields for this configuration are defined at the base configuration level. Additional fields are described in the following table.

Field	Description	Example Values
SBM Table (DBNAME)	Enter the database table name of the SBM table in which you want to submit or transition execution items	TRM_RLM_DEPLOY_TASKS
Project Filter	Enter the SBM project in which the items can be actioned, using the internal name without the database table name. For example, for a project named <code>TRM_RLM_DEPLOY_TASKS.MANUAL_DEPLOYMENT_TASKS</code> , enter <code>MANUAL_DEPLOYMENT_TASKS</code> .	
Hide Project Selection	Hides the Project list on a task form. Only select this option if there is a single project in the list.	
Query Where Clause	Enter a SQL query where clause to be used to search fields and return the list of possible requests to action. See the SBM documentation about the <code>GetItemsByQuery</code> call for more information.	<code>TS_PROJECTID=@{PROJECTID} AND (TS_TITLE LIKE N'%@{SEARCHTERMS}%' OR TS_DESCRIPTION LIKE N'%@{SEARCHTERMS}%')</code>
Order By Clause	Enter a SQL statement to order the results of the query. Use this statement to place newest items first in the list or to separate them based on project. See the SBM documentation about the <code>GetItemsByQuery</code> call for more information.	<code>TS_SUBMITDATE ASC</code>

Field	Description	Example Values
Execution ID Database Field Name	<p>If you plan to submit or transition items in an SBM system external to the SBM on which Release Control is running, specify the execution ID database field name for that system.</p> <p>Note: This field is specific to the default Manual Deployment Task process app for Release Control version 6.0.1 or above. If you are using the Manual Deployment Task process app but aren't upgrading it, you should leave this field empty. If you are using a custom process app, you can add logic to populate this field.</p>	RLM_TASK_EXECUTION_ID
Action Filter	Enter a comma-separated list of actions to be available for execution.	Create, CreateSimple, Transition, and CheckStatus.
Hide Submit Transition	Select this to hide the Submit transition in tasks.	
Extended Fields	Enter a comma-separated list of fields to populate with data when submitting or transitioning items. The values are the database names for the fields. See Using Extended Fields to Set Values in Items [page 47] .	RLM_TASK_OWNER
Transitions	Enter a comma-separated list of transitions that will be available if you choose the Transition Item action in tasks.	UPDATE, RETRY, COMPLETE
Default Action Transition	Enter the name of the transition to be used as the default Action transition in tasks.	
Hide Action Transition	Select this to hide the Action transition in tasks.	
Update Transition Name	<p>If you plan to update items in an SBM system external to the SBM on which Release Control is running, specify the update transition name for that system.</p> <p>See the note for the previous field, which also applies to this field.</p>	UPDATE
Default Retry Transition	Enter the name of the transition to be used as the default Retry transition in tasks.	

Field	Description	Example Values
Default Cancel Transition	Enter the name of the transition to used as the default Cancel transition in tasks.	
Hide Retry and Cancel Transitions	Select this to hide the Retry and Cancel transitions in tasks.	
Check Status Polling Interval	Tells the job polling system at what intervals to check the item, in seconds. The default polling interval is 60 seconds.	60
Wait for Callback	<p>Select this to wait for the system to respond with results.</p> <p> Important: You should select this for the process apps that are using callbacks, such as the default Manual Deployment Task process app. Otherwise, manual deployment task items cannot be transferred through the workflow. Conversely, you should deselect this for the process apps that are not using callbacks, such as the default IDM process app. If you want to update process apps to support callbacks, see Configuring Process Apps for Callback [page 49].</p> <p>If you are using any external SBM systems for your providers, see Configuring for Callback from External Systems [page 50].</p>	Select
System User Time Zone Name	<p>This field is used to set the time zone used in the display of date/time fields in Release Control. If the time zone of the Release Control server is different than that of the SBM user profile locale, enter the time zone of the SBM locale in this field. See https://en.wikipedia.org/wiki/List_of_tz_database_time_zones or similar sites for information on Java time zone entries.</p> <p>If this field is blank, the time zone of the Release Control server is used to calculate the time.</p>	America/Los_Angeles

Related Topics

[Release Control Administration Overview \[page 5\]](#)

[Adding Base Configurations \[page 10\]](#)

[Adding Action and Item Configurations \[page 11\]](#)

[Updating Plugin Configuration Details \[page 13\]](#)

SBM Item Configuration Details (Sample Request Example)

An example SBM Item configuration, **SBM Items from "RLC - Sample Request"**, is provided for associating *RLC - Sample Request* items with Release Control requests.



Note: The example configuration requires the *RLC - Sample Request* process app.

Field Descriptions

The field descriptions are included in the UI. While creating or editing a configuration, point to a field name to view its description.

Some of the available fields for this configuration are defined at the base configuration level. Additional fields are described in the following table.

Field	Description	Example Values
SBM Table (DBNAME)	Enter the database table name of the SBM table in which you want to submit or transition execution items.	TRM_RLM_BUSINESS_REQ
Project Filter	Enter the SBM project in which the items can be actioned, using the internal name without the database table name. For example, for a project named <code>TRM_RLM_BUSINESS_REQ.BUSINESS_REQUESTS</code> , enter <code>BUSINESS_REQUESTS</code> .	
Extended Fields	Enter a comma-separated list of fields to populate with data when submitting or transitioning items. See Using Extended Fields to Set Values in Items [page 47] .	RLM_TASK_OWNER
Query Where Clause	Enter a SQL query where clause to be used to search fields to return the list of possible requests to relate. See the SBM documentation about the <code>GetItemsByQuery</code> call for more information.	TS_PROJECTID=@<PROJECTID> AND (TS_TITLE LIKE N'%@<SEARCHTERMS>%' OR TS_DESCRIPTION LIKE N'%@<SEARCHTERMS>%')
Order By Clause	Enter a SQL statement to order the results of the query. Use this statement to place newest items first in the list or to separate them based on project. See the SBM documentation about the <code>GetItemsByQuery</code> call for more information.	TS_SUBMITDATE ASC

Related Topics

[Release Control Administration Overview \[page 5\]](#)

[Adding Base Configurations \[page 10\]](#)

[Adding Action and Item Configurations \[page 11\]](#)

[Updating Plugin Configuration Details \[page 13\]](#)

Using Extended Fields to Set Values in Items

Extended fields can be used in SBM action configurations to pass values to items that are created as part of the deployment.

For example, you can pass the required field `RLM_TASK_OWNER` to the START transition of a Manual Deployment Task item. See [Configuring Tasks to Create SBM Items \[page 52\]](#).



Note: When you specify SBM database fields in the **Extended Fields** properties in an SBM plugin configuration, the plugin stores this data in the Release Control tables.

Using Extended Fields to Format Request Data

Extended fields can be used in SBM Item configurations to specify the data format for fields that are used in requests.

You must also specify these fields in the *RLC Custom Column* auxiliary table items for them to be used as columns in request lists.



Note: You do not need to use extended fields to format general or provider-specific custom column fields or aliases. Extended fields should be used only when you are using SBM database fields that are not already stored in Release Control.

When you specify SBM database fields in the **Extended Fields** properties in an SBM plugin configuration, the plugin stores this data in the Release Control tables.

Displaying SBM Request Dates Using Your Locale

If you choose a date field to display in a report or in the request widget, and you haven't specified it as a DATETIME field under the extended fields, the date and time will appear in the default format. Define any date/time fields as DATETIME if you want it to appear in the format and locale specified for the SBM user.



Note:

For information on setting date/time formats and locale in SBM, see the SBM Application Repository documentation on [Documentation Center](#).

To set the date time to appear in the SBM format and locale for requests:

1. In the Release Control Administration, update the default Sample Requests process app configuration as follows:

- In **Extended Fields**, enter one or more date fields with the DATETIME data type. See [Data Types and Formats \[page 49\]](#).

For example:

```
CLOSEDATE : DATETIME, RLC_START_DATE : DATETIME
```

2. In SBM Application Administrator, do the following:
 - a. In Auxiliary Data, select the *RLC Custom Columns* auxiliary table.
 - b. Update the entry you are using for your request columns, such as *Default Requests Custom Columns*.
 - c. In **Internal Names**, add the database internal names for the dates, such as `CLOSEDATE` and `RLC_START_DATE`.
 - d. In **Display Names**, add the names you want to appear in the request column, such as `Closed Date` and `Start Date`.

The request closed and start dates will now be displayed using the current SBM user's locale date/time format as shown in the following figure:

URL	Closed Date	Start Date
http://ORBMPD-E52D607D-80/tmtrack/tmtrack.dll?shell=swc&IssuePage&RecordId=6&Template=view&TableId=1019	03/03/2016 02:20:39 PM	03/03/2016 01:43:11 PM



Note: Built-in custom column fields automatically use the SBM user's date format and locale. You don't need to use the extended fields to format these fields for requests. See [General Custom Column Fields \[page 32\]](#) and [Custom Column Fields for SBM \[page 50\]](#).

Example Display With and Without DATETIME

The following figure shows an example of one extended field with no data type specified (`CLOSEDATE`) and another with the `DATETIME` data type specified (`RLC_START_DATE : DATETIME`).

URL	Closed Date	Start Date	Last Modified Date
http://ORBMPD-E52D607D-80/tmtrack/tmtrack.dll?shell=swc&IssuePage&RecordId=6&Template=view&TableId=1019	2016-03-03T21:20:39+00:00	03/03/2016 12:43:11 PM	

Data Types and Formats

You add a data type qualifier on the end of date/time extended fields so the data type can be interpreted correctly by the Provider. If there is no data type applied, the data will be displayed as it is stored in the database.

Supported Data Types

```
TEXT (Text)
USER (User)
MULTI_USER (Multi-User)
DATETIME (Date/Time)
SINGLE_SELECTION (Single Selection)
MULTI_SELECTION (Multi-Selection)
SINGLE_RELATIONAL (Single Relational)
MULTI_RELATIONAL (Multi-Relational)
NUMERIC (Numeric)
```

Format

To specify extended fields and their data type use the following format. Multiple extended fields and data type pairs should be separated by either a comma or a semicolon.

```
<database field name>:format
```

```
RLM_TASK_OWNER:USER, (;)CREATED_DATE:DATETIME
```

To specify multiple values for extended fields use the following format:

```
admin, (;)bill
```

Date Time Formats

The default date/time field format is `YYYY-MM-DDTHH:MM:SS+HH:SS`, where the final value is the UTC time offset.

For example:

```
2016-02-03T11:12:59+03:00
```

Use `DATETIME` to change the field to use the SBM format and locale.

For example:

```
02/03/2016 02:12:59 PM
```

Configuring Process Apps for Callback

If you want to use a process app other than the provided Manual Deployment Task process app with callbacks, you must add the service call that returns the status for manual tasks.

After you include this, select **Wait for Callback** for the related configuration.

If you do not do these, the correct status is not displayed for the manual tasks that use this process app and configuration.

To configure the process app to use callback:

1. Open the process app in SBM Composer.

2. Select the **Start** transition.
3. In the Property Editor in the **Actions** tab, add the following web service call:

```
RLCTaskExecutionEndpoint.changeTaskExecutionStateWithMsg
```



Note: The RLC Manual Deployment Task process app uses orchestrations to implement the callback, but the service call is the same.

It is preferable to use orchestrations to implement callback, to support multiple post transitions. For detailed instructions, see Knowledgebase item [S142310](#).

Configuring for Callback from External Systems

If you configure your plugin to wait for callback from a SBM system other than the one Release Control is installed on, you must complete these additional configuration steps; otherwise, the callback will fail with errors.

Perform the following in SBM Configurator for each system as indicated:

1. On the external system of SBM that has the Manual Deployment Task process app, in the **Component Servers** tab, point it to the SSO server that belongs to the Release Control installation of SBM.
2. On the Release Control installation of SBM, on the **Authentication** tab, select Single Sign-On (SSO) to manage user sessions.
3. On the Release Control installation of SBM, on the **Security** tab open the **Secure SBM** sub-tab and click **Export All**.
4. On the external SBM system, go to the SSO server and on the **Secure SBM** sub-tab, import the certificates you just exported.
5. On the external SBM system, in SBM Application Repository, configure the **RLCTaskExecutionEndpoint** endpoint to point to the Release Control installation, then re-promote the Manual Deployment Task process app.

Custom Column Fields for SBM

If you are using the SBM plugin for requests, following are the custom column fields specific to this provider. For information on configuring them, see [Custom Columns \[page 30\]](#).



Note: The internal and display names must be separated by commas. A space after each comma is okay. You can copy and paste directly from the following tables for ease in entering the names.

Internal Names	Display Names
createdBy, createdDate, modifiedBy, modifiedDate, owner, state, project, activeinactive	Created By, Create Date, Modified By, Modified Date, Owner, State, Project, Active/Inactive

The SBM provider supports using any SBM process app database field name as an internal name for custom column fields.

Related Topics

[Using Extended Fields to Format Request Data \[page 47\]](#)

[Aliases for Similar Provider-Specific Fields \[page 34\]](#)

[General Custom Column Fields \[page 32\]](#)

Using the SBM Plugin

After configuration is complete, you are ready to use the functionality the plugin provides within Release Control.

For more information, see the following:

- [Associating SBM Items with Requests \[page 51\]](#)
- [Configuring Tasks to Create SBM Items \[page 52\]](#)
- [Configuring Tasks to Transition SBM Items \[page 53\]](#)
- [Configuring Tasks to Check SBM Item Status \[page 54\]](#)
- [Creating Items in SBM Requests \[page 56\]](#)
- [Creating Items in SBM Deployment Tasks \[page 56\]](#)

Associating SBM Items with Requests

After an SBM Item configuration has been added or updated as needed, you can associate SBM items with Release Control requests.

To add a SBM item as a request:

1. In the **Requests** tab, click **Edit Requests**.
2. Click the **+** icon to add a request.
3. Select an SBM Item configuration. For example, if you are using the example configuration with the *RLC - Sample Requests Process App*, you would select the *SBM Items from "RLC - Sample Request"* configuration.

When you add or edit a request, you enter search criteria and then click **Find Items** to find and select the SBM items to associate with the request.

The fields that are displayed when searching for requests are described in the following table.

Field	Description	Example Values
Project	The specific project that contains the SBM items for associating	Sample Requests

Field	Description	Example Values
Search Terms	Optional search term for filtering SBM items; filters based on the assumption that the term is within Title or Description	"Sample1"

Configuring Tasks to Create SBM Items

After an SBM Actions configuration has been added or updated as needed, you can create tasks that create SBM items.

To create a deployment task to execute an SBM **Create Item** action:

1. In the **Deployment Tasks** tab, click **Edit Deployment Tasks**.
2. Click the **+** icon to add a deployment task.
3. Select an SBM Actions configuration. For example, if you are using the *RLC - Sample Manual Deployment Tasks* process app with your plugin, you would select *RLC - Manual Deployment Task*.
4. For **Action**, select **Create Item**.

The fields that are displayed are described in the following table.

Field	Description	Example Values
Project	The specific project where the new SBM item should be created	Manual Deployment Tasks
Item(s)	Click the link icon beside the field to select the items that you want to associate with the task. Use available items: Select from a list of items created through any of the object configurations available to this configuration. Use available configurations: Search for existing items or create new ones from any available object configuration. Select one of the Item configurations. See Creating Items in SBM Deployment Tasks [page 56] .	
<i>Environment</i>	Select each environment in which you want to execute the task. These are the environments configured in the deployment path.	Dev, Test, and Prod

The previous version of the Create Item action is retained for backwards compatibility and is now called Create Item (Deprecated).

The fields that are displayed depend on the process app into which you are submitting an item. The RLC - Manual tasks and IDM process apps are provided with release control but

you can submit into any process app that you have made available in your plugin configuration. The following field types are supported when you create items in SBM:

- Binary/Trinary
- Date/Time
- Multi-Group
- Multi-Relational
- Multi-Selection
- Multi-User
- Numeric
- Single Relational
- Single Selection
- Text
- User
- Password (SBM 11.4 and above)



Important:

- When you create an item, the fields that you can include are subject to the form limitations in SBM.
- Administrator can configure which actions are displayed in lists on task forms by adding actions to Actions filter field.

Related Topics

[Using Extended Fields to Format Request Data \[page 47\]](#)

Configuring Tasks to Transition SBM Items

After an SBM Actions configuration has been added or updated as needed, you can create tasks that transition SBM items.

To create a deployment task to execute an SBM **Transition Item** action:

1. In the **Deployment Tasks** tab, click **Deployment Tasks**.
2. Click the **+** icon to add a deployment task.
3. Select an SBM Actions configuration. For example, if you are using the *RLC - Sample Manual Deployment Tasks* process app with your plugin, you would select *RLC - Manual Deployment Task*.
4. For **Action**, select **Transition Item**.

The fields that are displayed are described in the following table.

Field	Description	Example Values
Project	The specific project where the existing SBM item to be transitioned is located	Manual Deployment Tasks
SBM Item	Select the item to be transitioned. The list is optionally filtered by Search Terms .	
Action Transition	Select the transition for the SBM Item  Note: This comes from the Transitions list specified in the configuration.	Update
Extended Fields	When you select Populate All Fields , the fields listed in Extended Fields in the plugin configuration will appear below each environment. If you do not select Populate All Fields , any extended fields must be manually populated at the time the item is created during deployment.  Important: When you select Populate All Fields , the resulting fields are required, even though they are not marked as such during the transition.	Select Populate All Fields
Item(s)	Click the link icon beside the field to select the items that you want to associate with the task. Use available items: Select from a list of items created through any of the object configurations available to this configuration. Use available configurations: Search for existing items or create new ones from any available object configuration. Select one of the Item configurations. See Creating Items in SBM Deployment Tasks [page 56] .	
<i>Environment</i>	Select each environment in which you want to execute the task. These are the environments configured in the deployment path. For example, Dev, Test, and Prod.	

Configuring Tasks to Check SBM Item Status

After an SBM Actions configuration has been added or updated as needed, you can create tasks that check the status of SBM items.

To create a deployment task to execute an SBM **Check Item Status** action:

1. In the **Deployment Tasks** tab, click **Deployment Tasks**.

2. Click the **+** icon to add a deployment task.
3. Select an SBM Actions configuration. For example, if you are using the *RLC - Sample Manual Deployment Tasks* process app with your plugin, you would select *RLC - Manual Deployment Task*.
4. For **Action**, select **Check Item Status**.

The fields that are displayed are described in the following table.

Field	Description	Example Values
SBM Item	Select the item to be transitioned. The list is optionally filtered by Search Terms .	
<i>Environment</i>	Select each environment in which you want to execute the task. These are the environments configured in the deployment path. For example, Dev, Test, and Prod.	
Field Name	Select the field that you want to use to check the item, such as State or Priority.	
Success Values	Select the values for the selected field.	
Failure Values	Select the values for the selected field.	
Wait for Status	Select Yes or No. If you select Yes, the Wait Until field appears. Click the calendar icon beside the Wait Until field and select the date and time.	
Schedule Options	Select the schedule option and fill out the additional fields that open based on your selection. Options include the following: <ul style="list-style-type: none"> • None • Specific Time • Opportunity Window • Time Window • Delay • Hold Until Released 	

Creating Items in SBM Requests

While adding a request, if the SBM item you want does not yet exist, you can create one.

To create an SBM item while adding or editing a Release Control request:

1. In a deployable release train or release package, select the **Requests** tab.
2. Click **Edit Requests**.
3. Click the **+** icon to add a request.
4. Select an SBM item configuration.
5. Select **Create item**.
6. Fill out the resulting fields.

The available fields depend on the process app into which you are submitting an item. The *RLC - Sample Requests* and *IDM* process apps are provided with Release Control, but you can submit into any process app that you have made available in your plugin configuration. The field types that are supported for SBM item creation are as follows:

- Binary/Trinary
- Date/Time
- Multi-Group
- Multi-Relational
- Multi-Selection
- Multi-User
- Numeric
- Single Relational
- Single Selection
- Text
- User



Important: When creating an SBM item, you are submitting an item in SBM. The fields that you include in the form are subject to submit form limitations in SBM.

Creating Items in SBM Deployment Tasks

While adding a deployment or failure task, if the item you want does not yet exist, you can create one. This includes not only SBM items, but also items for any plugin that supports object creation.

This enables you to associate virtually any type of object with the SBM item.

To create an SBM item while adding or editing a Release Control task:

1. In a deployable release train or release package, select the **Deployment Tasks** tab.
2. Click **Edit Deployment Tasks**.
3. Click the **+** icon to add a task.
4. Select an SBM action configuration.
5. Beside the **Items** field, click the link icon.
6. Click one of the configurations in **Use Available Configurations**.
7. In the **Add <item> from <plugin> Configuration** form, select **Create item**.
8. Fill out the resulting fields.

The available fields depend on the plugin configuration for the item you are creating.



Important: When creating an SBM item, you are submitting an item in SBM. The fields that you include in the form are subject to submit form limitations in SBM.

Plugins Glossary

Actions

Actions are defined in execution plugin configurations and are executed in integrating products through deployment and failure tasks.

Artifacts

Files or other software elements. In Deployment Automation, these are represented by component versions.

Base Configurations

A base plugin configuration must be created for each set of configurations. It stores connection information and other shared properties and enables you to quickly create configurations of different types using that information. Some fields can be overridden at the derivative configuration level so that you can create configurations for different organizations or for slightly different purposes.

Baselines

In Dimensions CM, containers for release-ready components or artifacts. For more details, refer to the Dimensions CM documentation.

Change Packages

In ChangeMan ZMF, containers for release-ready components. For more details, see the ChangeMan ZMF documentation.

Collections

Collections are the lists of objects that you work with as part of Release Control, such as requests, deployment units, and deployment tasks. These are populated by collection widgets.

Component Versions

Instances of a Deployment Automation component, which contain the artifacts to be deployed or otherwise configured.

Configuration Overrides

You can override field values when creating or updating a configuration. You can also override the configuration settings at the SBM item level using auxiliary table override values. See [Auxiliary Table Level Configuration Overrides \[page 17\]](#).

Configurations

Provide connection information, product-specific details, and filters telling the plugin what data to obtain from the integrating product.

Deployment Packages

Instances of a Deployment Automation system. Deployment packages enable you to deploy artifacts for multiple applications. They may also include component processes where components are shared among multiple applications and associated versions are to be deployed as part of the larger package.

Plugin Instances

Variations of a plugin that may represent different versions of the plugin or instances owned by different business units who want to maintain an independent maintenance schedule.

Plugins

Plugins are used to implement the integrations between Release Control and other products.

Projects

In SBM, containers for release items, such as application releases, release trains, and environments; SBM projects.

Providers

Providers implement the plugin functionality. Plugins may have more than one provider implemented, such as an object provider and an execution provider.

Release Items

A general term used to refer to Release Control items that are submitted as SBM items, such as release packages and deployable release trains.

Single Sign-on (SSO)

Serena-installed software that enables a user to log in to a Web-based component of SBM and be recognized on subsequent accesses to that component or other Web-based components of SBM. This software also provides the ability for security tokens to be used in an orchestration, allowing Web services to be called without requiring the user to provide credentials at inconvenient times.

Snapshots

A Deployment Automation snapshot captures an application's current state, and as the application moves through different environments, the snapshot ensures that proper component versions are used.

Tags

Tags are unique names you can assign to plugin configurations in addition to the system-assigned Type Name. These are referenced in collection widgets to categorize the objects, such as requests, deployment units, and deployment tasks.

Tasks

Release Control tasks include deployment tasks, failure tasks, and tasks defined in task templates. In some cases, the term deployment tasks may be used in general to refer to all of these types of tasks.

Type Name

Type indicates the type of configuration based whether the configuration is a base configuration or one of the provider types, object (item) or execution (action). Type Name gives the specific instance name of the base configuration or provider type.