



# RSD Admin Center

3.4

## Technical Reference

English

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# Introduction

RSD Admin Center helps you administrate RSD software products by simplifying the management of RSD products running on all operating platforms.

RSD Admin Center extends the power of these products by providing a web-based solution to view or modify their main parameters.

With RSD Admin Center, IT operations staff have fast access to the information they need about RSD products and to the way they are configured on mainframe or open platforms, eliminating dependency on passive terminals, specific consoles or specific accesses.

Topics covered in this documentation:

- "[Installation](#)" on page 6 gives an overview of requirements and installation steps as well as how to access the RSD Admin Center Administration Interface.
- "[Finding your way around](#)" on page 12 explains how to access the RSD Admin Center interface and gives an overview of its elements.

# Installation

This section of the documentation outlines the requirements and steps that should be performed to successfully install the RSD Admin Center Interface.

Topics covered:

- ["Requirements"](#) on page 6
- ["Installation steps"](#) on page 7
- ["Configuration"](#) on page 9
- ["Starting RSD Admin Center"](#) on page 11

## Requirements

### **z/OS specific requirements:**

- A standard z/OS system with a Unix services file system mounted.
- Java SDK (IBM version) – recommended version: IBM 31-bit SDK for z/OS, Java Technology Edition, V6.0.1 (5655-R31).

### **Open systems specific requirements:**

- RSD Solution server product version 1.2.0.0.1 patch.

### **For the Web server**

The Web server must support the following:

- Java 2 Platform Standard Edition version 7.0 or higher.
  - Note that the RSD Admin Center requires the international version (to support all character sets).
  - If using an early version of Sun Java, or another flavor of Java, the user must be sure to use a version that supports all character sets. The file *charsets.jar* must be present in the java lib directory.

### **For the client computer**

- A minimal screen resolution of 1024x768 (XGA); 1280x1024 is recommended.
- Flash player latest version, at least 11.5.
- Java Plug-in

### **RSD product version compatibility**

RSD Admin Center may be used to manage as from the following versions of RSD products:

| Application              | Version |
|--------------------------|---------|
| RSD GLASS Policy Manager | 3.4.4   |

# Installation steps

## Step 0: z/OS prerequisites (requirements on the server side)

- If the managed application is "RSD GLASS® Repository for z/OS", please refer to the "RSD Admin Center for RSD GLASS® Repository for z/OS" manual for the detailed installation procedure on z/OS.
- z/OS server must be up and running.

## Step 0: Open systems prerequisites (requirements on the server side)

- Refer to the *readme.txt* file for the RSD Solution patch 1.2.0.0.1 for the installation procedure.
- The server must be up and running.

## Step 1: Deploy the war file on your Web Application Server

- Copy the *RSDAdminCenter.war* file to a location on the Web Application Server. Choose the proper path for this application file according to the requirements of the Web Application Server.
- Perform any actions required by your Web Application Server during deployment.

## Step 2: Define whether the installation is in cloud mode

The *glass.properties* file needs to be setup according to the installation environment. The *{glass.config}/glass.properties* *glass.deploy.mode* should be set to "cloud" or "not-cloud". Cloud means multi-instance/zookeeper and "not cloud" means mono-instance/properties configurations.

## Step 3: Deploy the database on your Web Application Server

The Database deployment method depends on the choice made in Step 2. If in cloud, multi-instance mode using ZooKeeper and MySQL, follow step 3a. When not in cloud mode, follow step 3b.

### Step 3a - deploying in the cloud the MySQL database

Note that typically when deployed in cloud mode there will be multiple RSDAdminCenter instances to handle, load, and high availability. In this case it is suggested to use a MySQL database instead of HSQL as HSQL cannot be easily shared across instances.

For details on how to provision an application in zookeeper see the RSD GLASS Saas Guide.

#### glass.properties

```
# ZOOKEEPER Based configuration
#####
glass.deploy.mode=cloud
# ZK Server conf
config.store.zk.solrHost=example.com:2181
config.store.zk.host=example.com:2181
config.store.zk.retryPolicy.wait.ms=1000
config.store.zk.retryPolicy.count=3
config.store.zk.connectionTimeout.ms=10000
config.store.zk.sessionTimeout.ms=60000
# ZK Tree conf
config.store.zk.base=/rsd-cloud/DEV/rsd
```

## Step 3b - deploying on premise the HSQL database

Note that a MySQL database may also be used but for the sake of simplicity it is suggested to use an HSQL database.

- Copy the `hsqldb-2.2.8.jar` into the LIB directory of Tomcat Application server. For other application servers, you should add the `hsqldb-2.2.8.jar` to make it available to your application server.
- Edit the AdminCenter properties file in a subdirectory of the the glass config directory called `adminCenter`, for example, in order to declare the datasource:

```
glass.config/adminCenter/RSDAdminCenter.properties

### Authentication
#SAML or FLEX are supported
security.authenticationMode=SAML

### SAML for security.authenticationMode=SAML
#depends on the security.saml properties in glass.properties
security.saml.idpMetadataXmlFile=C://DEV//apache-tomcat-7.0.56//glassconfig//adminCenter/idp.xml
security.saml.spMetadataFileDestination=C://DEV//apache-tomcat-7.0.56//glassconfig//adminCenter/sp.xml
security.saml.spEntityId=urn:sp:admin:host:com
security.saml.spAlias=spAdmin
security.saml.spBaseUrl=http://localhost:8080/RSDAdminCenter
security.saml.keystoreFile=
security.saml.keystoreDefaultKey=
security.saml.keystorePassword=

### OAUTH2 (for managed applications with oauth2 ws authentication
#if security.oauth2.ClientId is not set no oauth2 access tokens will be retrieved
security.oauth2.clientId=ClientId
security.oauth2.secretId=SecretID
#oauth2 endpoints are appended to security.oauth2.serviceBaseUrl from glass.properties
security.oauth2.accessTokenEndpoint=/access_token
security.oauth2.authorizationEndpoint=/authorize

### DATASOURCE
datasources.admincenter.datasource=adminDS
datasources.admincenter.schema=hsqldbadmin
```

The application settings and the managed application are saved in the HSQL database.

```
glass.config/glass.properties

### Minimum properties to run AdminCenter when glass.deploy.mode= is not cloud
glass.deploy.mode=properties

# Security SAML
security.saml.userIdAttributeName=sn
security.saml.userDisplayNameAttributeName=sn
security.saml.tenantIdAttributeName=tenantId
security.saml.rolesAttributeName=roles
security.saml.bindingsSSO=
security.saml.logoutURL=/saml/logout
security.saml.logoutSuccessURL=/

# Security OAUTH2
security.oauth2.serviceBaseUrl=https://host:port/OpenAM/oauth2

# Datasource (hsqldb with in file storage)
datasources.adminDS.url=jdbc:hsqldb:file:/// [DIRECTORY] /adminCenterDB/hsqldb
datasources.adminDS.driver=org.hsqldb.jdbcDriver
datasources.adminDS.login=sa
datasources.adminDS.password=
datasources.adminDS.properties.poolInitSize=1
datasources.adminDS.properties.poolMaxSize=5
datasources.adminDS.properties.validationQuery=
datasources.adminDS.properties.minIdle=1
datasources.adminDS.properties.maxIdle=5
```

## Step 4: Define the authentication mode

Define how users will authenticate to RSD Admin Center: define in the `adminCenter.properties` file the `authenticationMode` property whether SAML (for single sign-on capabilities) or FLEX.

Note that the authentication mode needs to be set to SAML to access managed applications using OAuth secure delegated access.



## Step 5: Access and configure the Administrator interface

- See "Administrator Interface" on page 9 for information on how to access the Administrator Interface. Initially, when authenticating in Flex mode (authenticationMode=FLEX), the Administrator interface is displayed, no password is defined. In mode SAML the first user who authenticates will automatically become a super admin user. Therefore, choose the **Login** button.
- The Administrator interface is displayed. See "Configuration" on page 9 for information on the configuration and functionality of the Administrator interface.

## Configuration

The following elements can be modified to set defaults for and customize RSD Admin Web.

- *Administrator Interface*  
This is the primary component for setting defaults. See "Administrator Interface" on page 9 for more information.
- *RSDAdminResources\_xx.properties*  
This file contains the resources for the text, specific to this application, displayed within the application. Normally, it needs no modification. For more information, see "ResourcesXX. properties file" on page 10.

## Administrator Interface

The Administrator Interface permits the settings of defaults for all RSD Admin Web users. It displays screens to modify settings. The defaults are saved and applied whenever the application is accessed.

### Accessing the Administrator Interface

- To access the Administrator interface, execute the following URL in your browser.  
`http://address:port/ application_context /admin.jsp`  
Where:
  - *address* is the Web Application Server address.
  - *port* is the Web Application Server port number.
  - The *address* and *port* must be separated by a colon and contain no spaces.
  - *application\_context* (for example: RSDAdminCenter) is the path under which RSD Admin Center is installed.
  - There are no spaces in the internet address line.

For example:

`http://server:18080/RSDAdminCenter/RSDAdminCenterGUI/RSDAdminCenterGui.html?application=admin`

### Setting the Administrator password when in Flex authentication mode

Initially no password is set to access the RSD Admin Center. To set or change the password used, select the Login panel to the left of the screen and the Administrator password screen is displayed. From now on, each time the RSD Admin Center and the RSD Admin Center Administrator Interface are accessed, this password will need to be supplied.

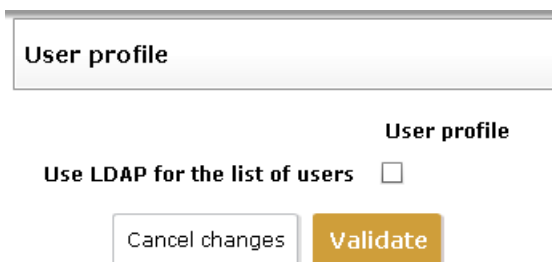
**Administrator password**

|                 |   |
|-----------------|---|
| Old password    | <input type="password"/>  |
| New password    | <input type="password"/>  |
| Verify password | <input type="password"/>  |
|                 | <input type="button" value="Cancel changes"/> <input type="button" value="Validate"/> |

## Setting the User Profile when in Flex authentication mode

Select the RSD Admin Center panel to the left of the screen and the User Profile screen is displayed.

This is used to define users that can access RSD Admin Center and assign a list of manageable applications for each user. The Super Administration can administer all of them.



User profile

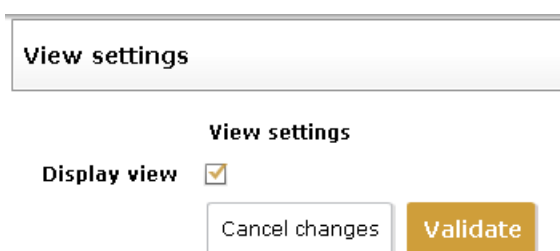
User profile

Use LDAP for the list of users ☐

Cancel changes Validate

## Viewing the Settings

Select the Initialization view panel to the left of the screen and the View Settings screen is displayed.



View settings

View settings

Display view ☒

Cancel changes Validate

## ResourcesXX. properties file

These text files provide the resources for all text, specific to the product, displayed by RSD Admin Center (i.e., on screen and messages).

The files are stored under the path:

- *application-installation-directory\WEB-INF\classes\com\rsd\unifiedadmin*
- Note that the slashes may be forward slashes '/' depending upon the environment.

The file names are significant to RSD Admin Center. Specifically, the last two characters in the name (shown above as xx) indicate the language. For example, RSDAdminResources\_en.properties indicates that the file contains the resources for the English language.

Normally, the language is chosen automatically using the settings for language in the Web browser or, if no language is set there, using the settings for language on the server.

### Warning

While you can change the text yourself:

- It is suggested that you check with the RSD Technical Support before doing so.
- With new versions of RSD Admin Center, you are responsible for updating any changes yourself.

## Starting RSD Admin Center

- To access the User interface, execute the following URL in your browser.

*http://address:port/ application\_context / RSDAdminCenterGui.html*

Where:

- *address* is the Web Application Server address.
- *port* is the Web Application Server port number.
- The *address* and *port* must be separated by a colon and contain no spaces.
- *application\_context* (for example: RSDAdminCenter) is the path under which RSD Admin Center is installed.
- There are no spaces in the internet address line.

For example: *http://server:18080/RSDAdminCenter/RSDAdminCenterGUI/RSDAdminCenterGui.html*

# Finding your way around

This section describes how to access the RSD Admin Center Interface and describes the functionality it contains.

Topics covered:

- "[Login](#)" on page 12
- "[The Home page](#)" on page 12
- "[Adding an application](#)" on page 14
- "[Information on common functionality](#)" on page 14
- "[Managing RSD applications](#)" on page 16
- "[Managing Administrators](#)" on page 17

## Login

When in FLEX authentication mode (authenticationMode=FLEX):

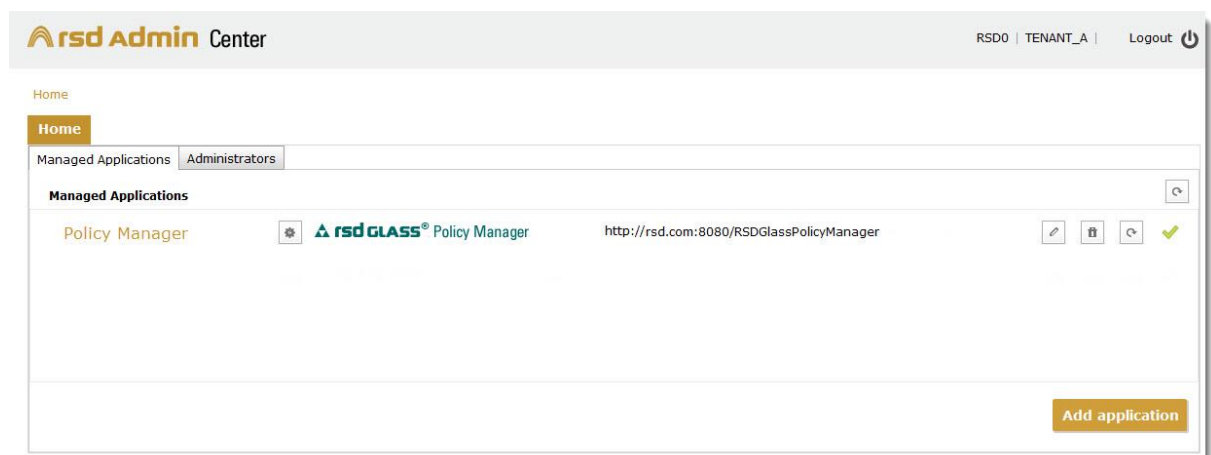
- At the initial RSD Admin Center Login panel you will be asked to supply the password. Select the **Login** button.

When in SAML authentication mode (authenticationMode=SAML)

- The SAML identity provider will ask for your password, and may ask you to allow OAuth authorization.

The initial screen to appear after login is the 'Home' page. This Home page automatically displays all of the managed applications at your disposal.

## The Home page







On the Home page the 'Managed applications' tab displays a list of all the applications that have been set up to be administered using the RSD Admin Center interface.

The 'Administrators' tab allows you to setup and configure the profiles of the users who will be able to administer the applications. See [Managing Administrators](#)" on page 17 for more information.

The first time that RSD Admin Center is accessed, this list is empty and you will need to add all of the applications that you wish to manage using the interface. See "Adding an application" on page 14 for information on how to configure these new application links.


Once the Home page has been populated with all of the applications to be managed, the following actions are available for each application.


| Action  | Information  |
|---|--|
|  | To access and administration the application. You may also select the name of the application from the list. The first time you access an application during a session you will be prompted to provide authentication information. For more information, see "Authentication on remote applications" on page 13. |
|  | To edit the access settings of the managed application. The elements contained in the 'Edit' menu are the same as those in the 'Add Application' menu. For more information, see "Adding an application" on page 14.   |
|  | The delete button removes the application from the list of managed applications after confirmation.  |
|  | The screen refresh button -  |

## Authentication on remote applications

If you are using the OAuth authentication method to access remote applications you will not be prompted to supply credentials. See "Adding an application" on page 14 for more information.

If not using this OAuth authentication method, the first time you wish to access a remote application during any session in the RSD Admin Center, you will be prompted to supply credentials.

Prior to supplying credentials the status icon  indicates that a password is needed.

Remote application credentials. 


Credentials for application Glass .

Remote admin user

Remote admin password

Cancel x

Connect

Once these credentials have been correctly supplied the status icon changes to . This icon indicates that the application is available and you have the necessary access to administrate the remote application.

It should be noted that when you provide application credentials for one of the managed applications in the list, these same credentials will be automatically suggested when accessing all of the other 'managed applications' in the list. These login credentials will remain valid during the time of the current RSD Admin Center session.

## Adding an application

In order to add an application to the list of managed applications you need to select the 'Add application' button at the bottom of the Home screen. The following information needs to be supplied for each application to be managed.

### Arguments

| Argument                            | Information  |
|-------------------------------------|--|
| Name                                | Obligatory. This name will be used on the Home page in the list of Managed Applications. Limited to 255 characters.  |
| Application                         | Permissible values: RSD GLASS Policy Manager, RSD GLASS Governance Manager, RSD GLASS for Physical Records, RSD GLASS Audit Services, RSD GLASS Repository, EOS, Doc2Print and SMI server. Default value: RSD GLASS Governance Manager |
| URL                                 | Obligatory. The URL path to the application to be managed. Limited to 255 characters.  |
| URL of the SAML ECP                 | The SAML ECP URL for applications authenticated with SAML Enhanced Client or Proxy.  |
| Use OAuth to connect to application | Required for applications in wsAuthenticationMode=OAUTH.   |
| Notes                               | Product administrator comments may be added in this free notes area regarding the application to be managed. Limited to 255 characters.  |

### The 'Test' button

The test button allows you to check the status of the connection to the managed application. It also provides the version number of the managed application.


## Information on common functionality

The following sections describe functionality that is common to various screens in RSD Admin Center.





### Screen layout

The frame to the left of the screen displays a menu with a list of the product-specific type of objects that you may view or modify. Sublists may show up if a type of object consists of several subtypes. The "History" button at the bottom of the leftmost frame can be used to review an history of your commands. The "Last command" button at the bottom of the leftmost frame enables you to display the last executed command; more detail may then be provided by clicking on the "additional information" zone to get the full message returned by the server.

The frame to the right of the screen displays a list of the selected objects that you may view or modify.

This list is in a row and column format. It may be refreshed using the refresh  icon.

The list may be scrolled down or up using the vertical scrollbar.








If the list takes more than one page, you may press the "First" , "Last" , "Previous"  and "Next"  buttons (located at the bottom of the screen) to skip to a specific page.

In some cases, an "Add" button at the bottom of the screen is displayed and can be used to add a new object from scratch. A new window is displayed so that you can enter all the fields for the new object. You can then reset fields, save the data or return back to the list, by pressing the relevant button at the bottom of the screen.

## Actions

Any displayed object in the list in the rightmost frame may be handled with one of the actions represented by an icon on the right part of the screen.

The following lists all of the possible actions that may be performed on the displayed elements.

| Icon  | Action  | Information   |
|---|---------|---|
|    | View    | Used to view the selected object.<br>The information returned by the server is displayed in a new window.<br>By pressing the relevant button, you may then copy this information to the clipboard or close the window.  |
|    | Modify  | Used to modify the selected object.<br>The main fields that the object consists of are displayed so as to be modified.<br>The user guide, in the section dedicated to the RSD relevant product, indicates in more detail what fields are concerned.<br>By pressing the relevant button at the bottom of the screen, you may then modify the object on the server, reset the fields to their initial value (before any modification that you may have done) or return back to the list.  |
|   | Delete  | Used to suppress the selected object.<br>A confirmation window pops up to confirm whether you want to execute the delete command on that object.  |
|  | Other   | Used for other actions on the selected object.<br>When several "other" actions are possible, an arrow located on the right side of the icon will display a drop down list of all the actions you can trigger for the object.<br>The "other" icon may be used to achieve specific processing for the object. For example, with RSD GLASS® Repository for z/OS, you may execute a Capture Assistant for a PDF Input descriptor; with RSD GLASS® Repository for Unix or Windows, you may do additional processing on Runs (list documents, list index fields, etc.). |
|  | Start   | Used to start a server, when applicable.  |
|  | Restart | Used to restart a server, when applicable.  |
|  | Stop    | Used to stop a server, when applicable.   |

## Sorting list data

By default, elements are listed in the order they are returned by the server.

Clicking on a column header sorts the list according to the data in that column.

A tool indicating the sort order is added to the right of the column header. To change the sort order, click again on the column header.

You can sort the list on any single column. The sort criteria may not be set to sort on multiple columns.

Sort tools:

- ▲ Indicates the column is sorted in ascending order. Click on the tool to change the sort order to descending.
- ▼ Indicates the column is sorted in descending order. Click on the tool to change the sort order to ascending.

## Properties of fields

A red asterisk (\*) after a field indicates that this field is required. Fields with no asterisk are optional.

A "X" icon after a field can be pressed to reset the field to its default value.

Some fields are complemented by a "List" button on the right. This enables you to display, in a new window, all the values that are allowed for this field. You select one value and click on the "Select and close" button to copy it back into the concerned field.

## Errors in fields

Fields outlined in red when saved are in error either because they are required or they contain illegal information. For example, they may contain letters when a date in numbers is required. A message in red on the right of the field indicates the nature of the error.

## Error window

An error window may pop up whenever the processing fails on the server side. Detail information on the error is provided by the server: fault code, fault description, fault detail, root cause.

# Managing RSD applications

See separate documentation listed below for relevant information regarding the administration of each different RSD server product.

| Application              | Documentation name   |
|--------------------------|--|
| RSD GLASS Policy Manager | RSD GLASS Operations and Installation Guides as well as the online help. |



# Managing Administrators

From the Home screen an Administrators tab is available that allows you to setup the profiles of all the users who will be able to administer the applications configured in the RSD Admin Center interface.

## Adding an Administrator

From the Managing Administrators tab on the Home screen, select the 'Add Administrator' button.

| Argument               | Information  |
|------------------------|--|
| Administrator name     | The name of the administrator's profile.   |
| Administrator password | The password for the administrator's profile. When using the SAML authentication mode this password needs nevertheless to be set but will not be used. |
| Super Administrator    | A super administrator may manage all applications and administrator profiles.  |
| Applications           | Tick the names of all of the the applications that the administrator may manage.   |

### General rules for creating administrator names and passwords

- The maximum length is 255 characters.
- The value is always case sensitive.
- The value can include any alphanumeric special characters, in upper and lower case.