



# How to... Create Authorization Objects Required to Work with Xcelsius Dashboards in SAP BW

**Applicable Releases:**

**SAP NetWeaver 7.01 SP5 and higher, SAP NetWeaver BW 7.20**

**SAP BusinessObjects Xcelsius 2008, SP2**

**IT Practice:**

**Business Information Management**

**IT Scenario:**

**Enterprise Data Warehousing**

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## Document History

Document Version	Description
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1.00	First official release of this guide
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## Typographic Conventions

Type Style	Description
<i>Example Text</i>	Words or characters quoted from the screen. These include field names, screen titles, pushbuttons labels, menu names, menu paths, and menu options.  Cross-references to other documentation
<b>Example text</b>	Emphasized words or phrases in body text, graphic titles, and table titles
Example text	File and directory names and their paths, messages, names of variables and parameters, source text, and names of installation, upgrade and database tools.
<b>Example text</b>	User entry texts. These are words or characters that you enter in the system exactly as they appear in the documentation.
<b>&lt;Example text&gt;</b>	Variable user entry. Angle brackets indicate that you replace these words and characters with appropriate entries to make entries in the system.
EXAMPLE TEXT	Keys on the keyboard, for example, F2 or ENTER.

## Icons

Icon	Description
	Caution
	Note or Important
	Example
	Recommendation or Tip

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## 1. Scenario

SAP BusinessObjects Xcelsius is a widely used dashboarding tool. It has the capability to show data from various sources and data bases, including data residing in the SAP NetWeaver BW. So far data from BW was available via a web service connection. With the latest version of Xcelsius and SAP NetWeaver BW 7.01, SP5 a new connection type for SAP BW data is offered. It helps to create dashboards using existing Bex Queries in SAP BW system. This feature provides a tighter integration of BW data into Xcelsius dashboards.

The Xcelsius dashboard can be stored on the BW server as a separate object type and is fully integrated into the SAP BW system. This helps in providing features such as transport, translation support, where-used lists, and collection of dependent objects.

In the SAP BW system, the user could be given permissions for creating/executing/changing the Xcelsius dashboards and this could be done using the Authorization object S\_RS\_XCLS.

## 2. Background Information

With the new SAP NetWeaver integration in Xcelsius users have the possibility to use a great number of features of SAP NetWeaver BW directly. Technically the communication between Xcelsius and the back end system is done via the same interface that is used for BEx Web layouts. Thus BEx queries are used directly and a great part of the features of BEx queries can also be used in Xcelsius.

### 2.1 Limitations

- Features of BW queries like hierarchies or exceptions cannot be used in Xcelsius dashboards directly using the SAP BW Connection.
- Queries displayed in Xcelsius are not input enabled.
- BW Integrated Planning features are not supported in Xcelsius.
- Standard BEx frontends features such as drill down etc. are not available in Xcelsius.
  - This is because SAP NetWeaver connection just delivers data to the Xcelsius dashboard.

## 3. Prerequisites

In order to use the new integration, a recent Xcelsius installation (Xcelsius 2008, SP2 or higher) is required. On the SAP NetWeaver BW side, this feature is supported from SAP NetWeaver 7.0, EHP1 (also called 7.01), SP 5. The integration is also available with SAP NetWeaver 7.20.

For creating the dashboards, SAP GUI 7.10 patch 9.01 installation including the BEx Add-on is required. For executing the dashboards, no SAP GUI installation is necessary.

## 4. Step-by-Step Procedure

This section provides step-by-step information for creating authorization objects/roles that are required to view/create/change/deploy an Xcelsius dashboard. The authorization features explained here is relevant to SAP BW system and also for the SAP NetWeaver BI Portal.

### Note

The assumption here is that the user has the required rights to view and execute the Bex reports and hence, the focus of this section is on the authorizations required for creating/displaying an Xcelsius dashboard.

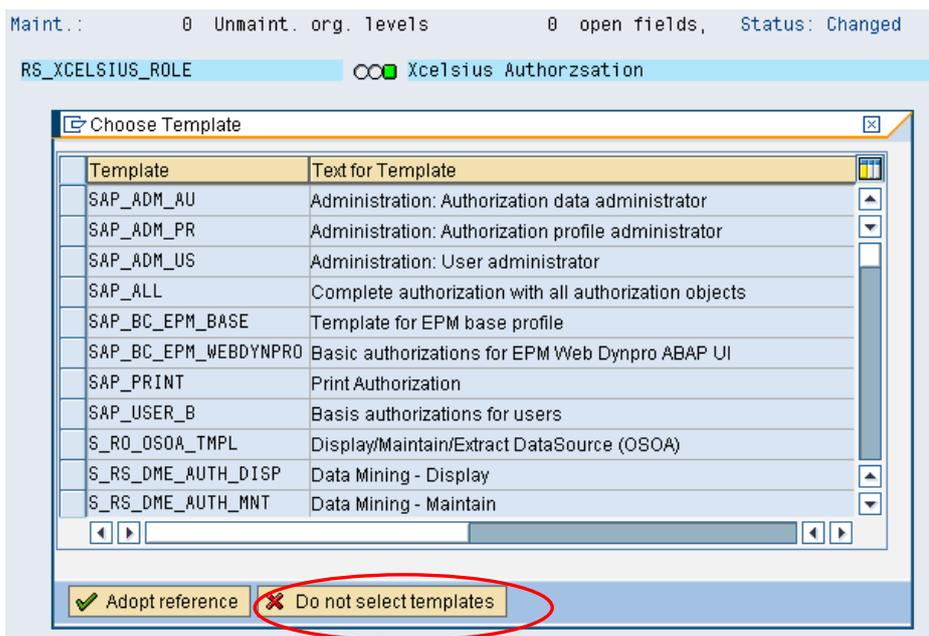
### 4.1 Creating authorization on the SAP NetWeaver BW system

The authorization object used for Xcelsius dashboards is S\_RS\_XCLS. It comes automatically with SP5. Different roles can be defined on top of that object and determine who can Display, Create, Change, Delete, Execute, Maintain Xcelsius dashboards. The specific business case for using Xcelsius dashboards will determine which authorizations are appropriate in your environment.

In a BW system, role can be created in the transaction PFCG and generate a profile with appropriate rights to Display/Create/Change/Execute/Maintain dashboards. The different roles could be assigned to people based on their job profiles.

The following steps needs to be executed for creating a role and generating a profile.

1. Navigate to Transaction PFCG and enter a new name for a Role and click on the "Single Role" button.
2. Enter Description for the role and Click on the "Authorizations" tab and click on the ✓ icon against "Change Authorization Data"
3. All available templates are listed. Click "Do Not Select templates".



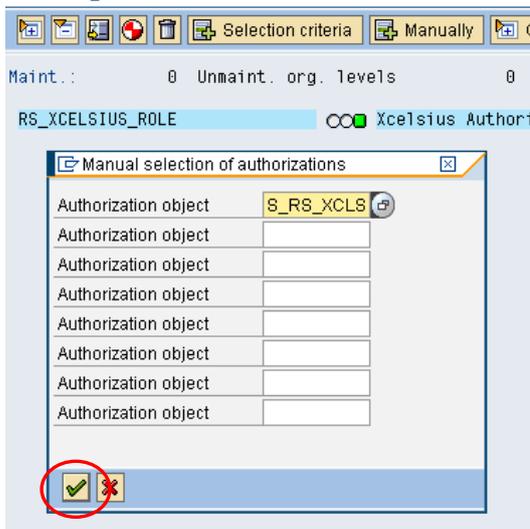
- Click on the button "Manually".

**Change role: Authorizations**

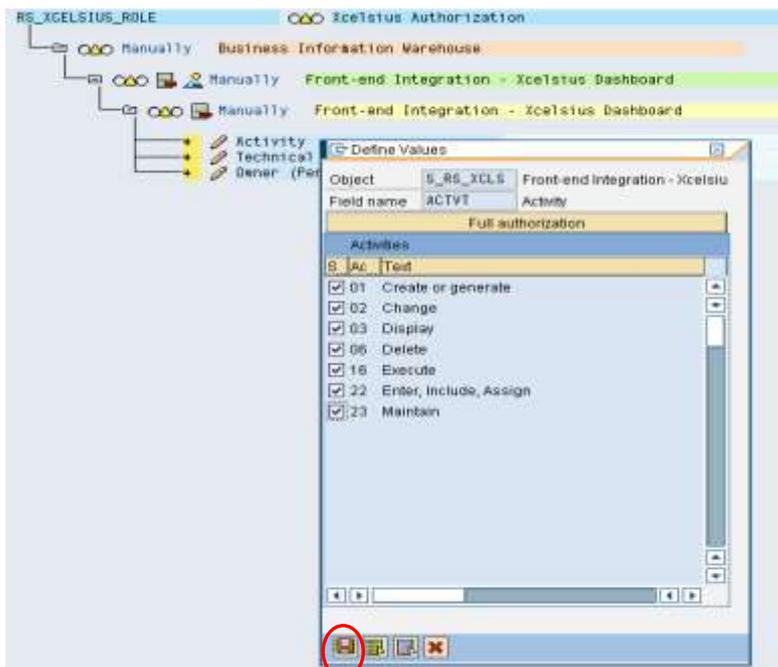


- Enter the authorization object "S\_RS\_XCLS" (Front-end Integration - Xcelsius Visualization) - This is the authorization object for maintaining permissions related to Xcelsius dashboards. Click on the ✓ icon.

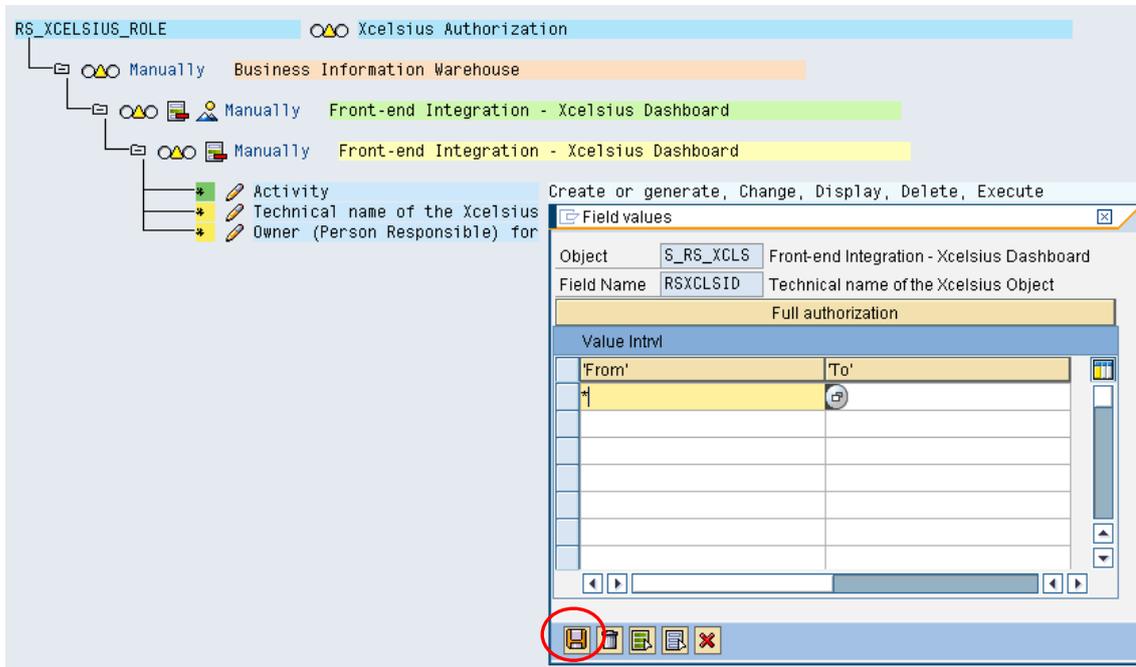
**Change role: Authorizations**



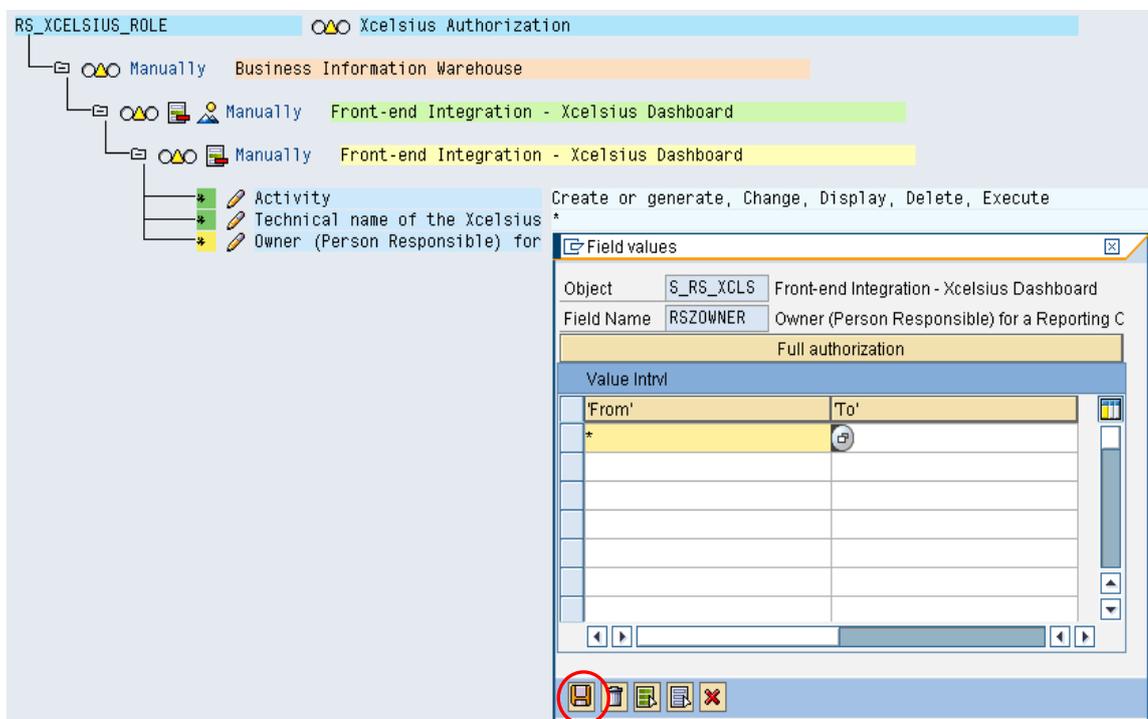
- Click on the "+" icon and navigate 2 steps below the hierarchy. Click on the "change" icon against "Activity" and a screen is displayed. The permissions to perform various activities are determined in this step. Check the required permissions and click on the "Save" icon.



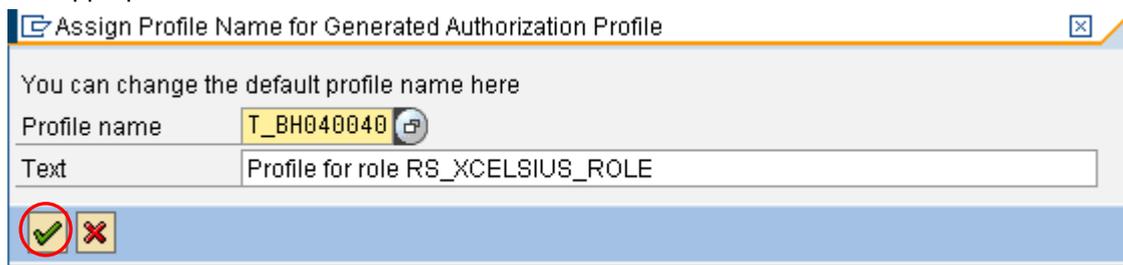
7. Access to Xcelsius dashboards can be controlled using the technical names by clicking on the option. Enter the dashboard names accordingly here. This step could be avoided and "\*" could be entered and in that case, all the dashboards would be available for the user with this role. Click on "Save" icon.



8. The user names could be entered for restricting the access on a user level. This enables the administrator to exercise another level of control. Enter appropriate values or "\*" and click on "Save" icon.



- Click on "Save" button on the top and a popup is displayed - asking to assign the Profile Name. Enter appropriate text or use the default value and Click on the ✓ icon.



- Click on the "Generate" icon for generating the profile.



Once generated, this profile could be assigned to any user in the BW system. Similar profiles could be generated with different authorizations and could be assigned to various users.

## 4.2 BI Java System

On the BW portal side, a portal user could be created the BW user could be linked with the portal user. If a BW user has all the rights to create/display/publish an Xcelsius dashboard and if this BW user is linked with the portal user, the BW user can use the portal user for launch/display of the dashboard.

In this case, the portal user needs to have a few roles assigned to hi profile. The portal user could be added to the group "EVERYBODY" so that the user is assigned the end user rights.

On the portal side, the following standard sap roles could be assigned to the portal user, depending on the type of the user and the level of access to be permitted.

- pcd:portal\_content/com.sap.pct/platform\_add\_ons/com.sap.ip.bi/Roles/com.sap.ip.bi.bi\_showcase - This role is relevant for BI specific functions
- pcd:portal\_content/administrator/super\_admin/super\_admin\_role – This role is relevant for systems communication

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