

Troubleshooting Object Based Navigation Error



Applies to:

SAP NetWeaver Portal 7.0 EhP 1 SP3 and SRM 7.0. For more information, visit the [Portal and Collaboration homepage](#).

Summary

How often have we seen the Object Based Navigation error - There is no iView available for system "XYZ", object "ABC". This technical article lists down some of the checks that you can perform to analyze and resolve the problem.

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Background

There is no iView available for system "XYZ", object "ABC", where XYZ is the System Alias in Portal and ABC is the business object.

All of us who have worked with Object Based Navigation (OBN) have seen this error appearing quite often.

We recently implemented SRM 7.0 Business Package, which makes an extensive use of Object Based Navigation and in the process we encountered the above mentioned error a lot of times and each time we learned something new. This article documents the steps that we followed to analyze and troubleshoot the error.

The article assumes that the readers have a basic understanding of OBN. If not, then one can refer [Object Based Navigation Wiki](#) to understand and learn how to use OBN.

Basic Building Blocks of OBN

Following are the major objects that are involved when working with OBN.

Object	Description
Business Object	This can be any Business Object like RFx, Shopping Cart, Employee etc
Operation	This is the operation associated with a Business Object. For example, Create RFx or Edit Employee
System	This is the system to which a Business Object belongs
Source iView	This is the iView which uses OBN to trigger navigation to the target iView
Target iView	This is the iView which subscribes to the operation and is launched when the source iView triggers the operation

Troubleshooting steps

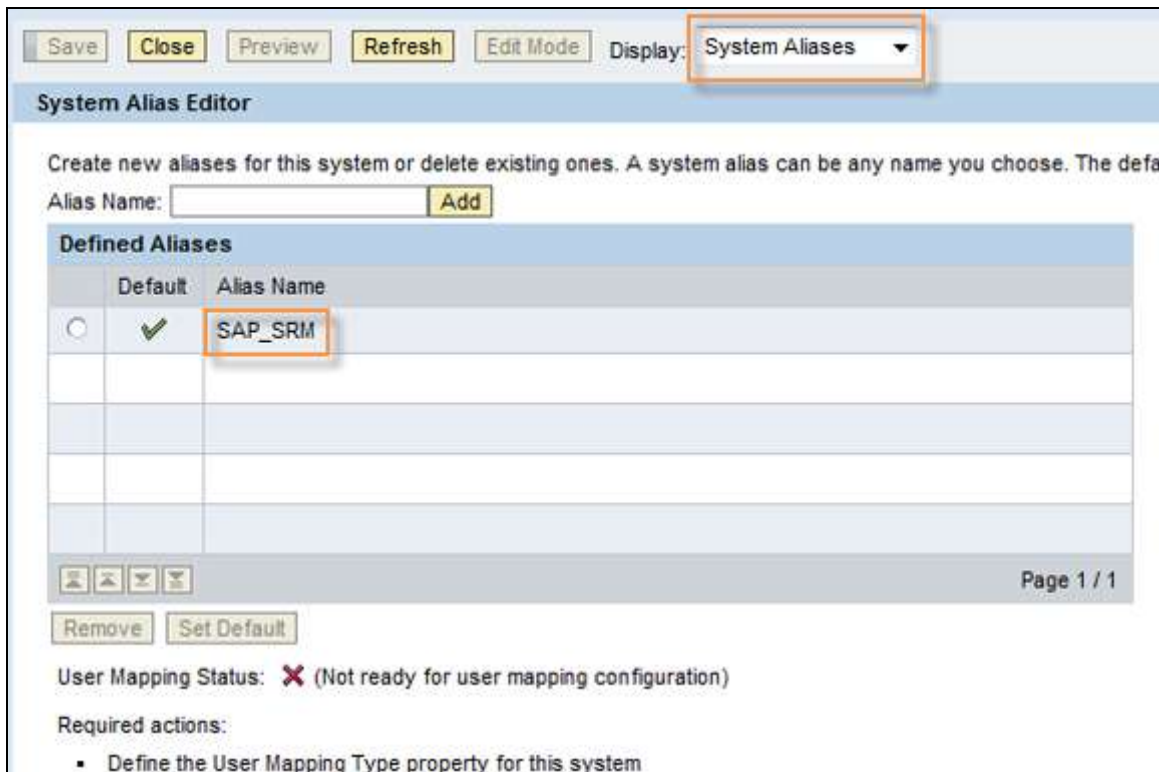
Step 1: Check for OSS note 1386141

The first step is to check the note number [1386141](#) . The note talks about this particular error.


Step 2: Check the system alias

All business objects are associated with a System. If you look at the error There is no iView available for system "XYZ", object "ABC", it talks about a System here. You need to check if that system has been defined in the System Landscape.

1. You can check this by going to System Administration → System Configuration → System Landscape
2. Open the Portal Content folder and go to the folder where all the systems have been defined.
3. Open the System object corresponding to your Business Object.
4. Go to the System Alias by using the "Display" dropdown



5. You should see all the System Aliases. The System Alias mentioned in the error should be present in the list. If not, add the system alias.
6. Also, check if the connection to the system is successful.

System Connection Tests			
	Test Name	Description	Status
<input type="checkbox"/>	SAP Web AS Connection	Tests the connection to an SAP Web Application Server	<input checked="" type="checkbox"/>
<input type="checkbox"/>	ITS Connection	Tests the connection to an SAP ITS server	<input type="checkbox"/>
<input type="checkbox"/>	Connection Test for Connectors	Tests the connection to a backend system using an associated connector	<input type="checkbox"/>

Line 1 / 3

Test **Clear Results**

Results

✓ **SAP Web AS Connection**

Test Details:
 The test consists of the following steps:

1. Checks the validity of system ID in the system object.
2. Checks if the system can be retrieved from the PCD.
3. Check whether a SAP system is defined in the system object
4. Validate the following parameters: WAS protocol; WAS host name
5. Checks if the host name of the server can be resolved.
6. Pings the WAS ping service; works only if the service is activated on the ABAP WAS.
7. Checks HTTP/S connectivity to the defined back-end application

Results

1. The system ID is valid
2. The system was retrieved.
3. The system object represents an SAP system
4. The following parameters are valid: Web AS Protocol (https) Web AS Host Name (vd08cs01.sce.com:8011)
5. The host name vd08cs01.sce.com was resolved successfully.
6. The Web AS ping service https://vd08cs01.sce.com:8011/sap/bc/ping was pinged successfully.
7. An HTTP/S connection to https://vd08cs01.sce.com:8011/sap/bc/bsp/sap was obtained successfully.

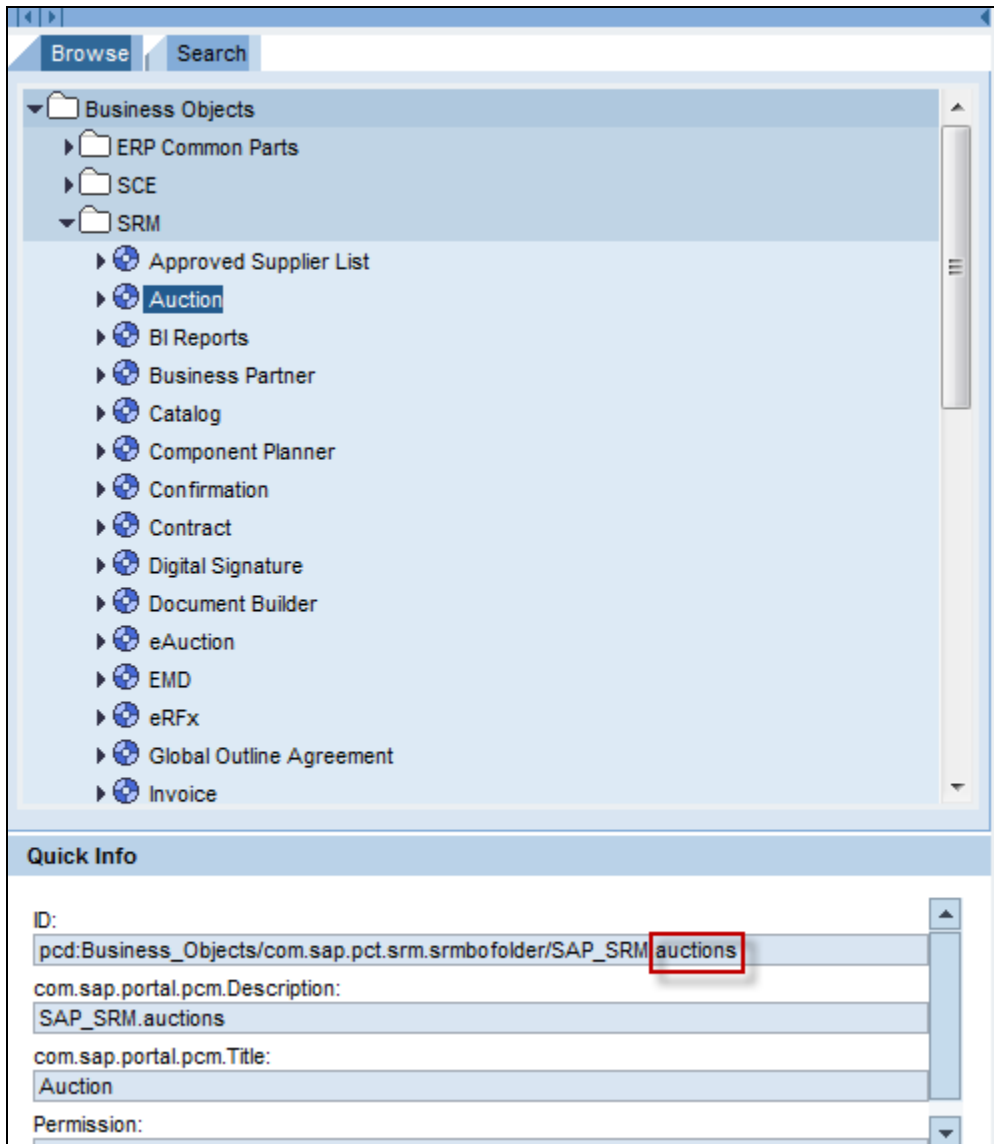
Step 3: Check if the Business Object is present in the portal

If you find that the System Alias mentioned in the error is present in the portal you need to check if the Business Object mentioned in the error is present in the portal. You can do this in the following way.\

1. Go to Content Administration → Portal Content → Business Objects
2. Under the Business Objects folder you will find multiple folders. Each of these folders contains business objects. For example, if you have SRM 7.0 business package installed in the portal you will have a folder named “SRM”.



3. Once you determine the folder corresponding to your business package, look for the Business Object mentioned in the error. The error mentions the Business Object ID and not the name.

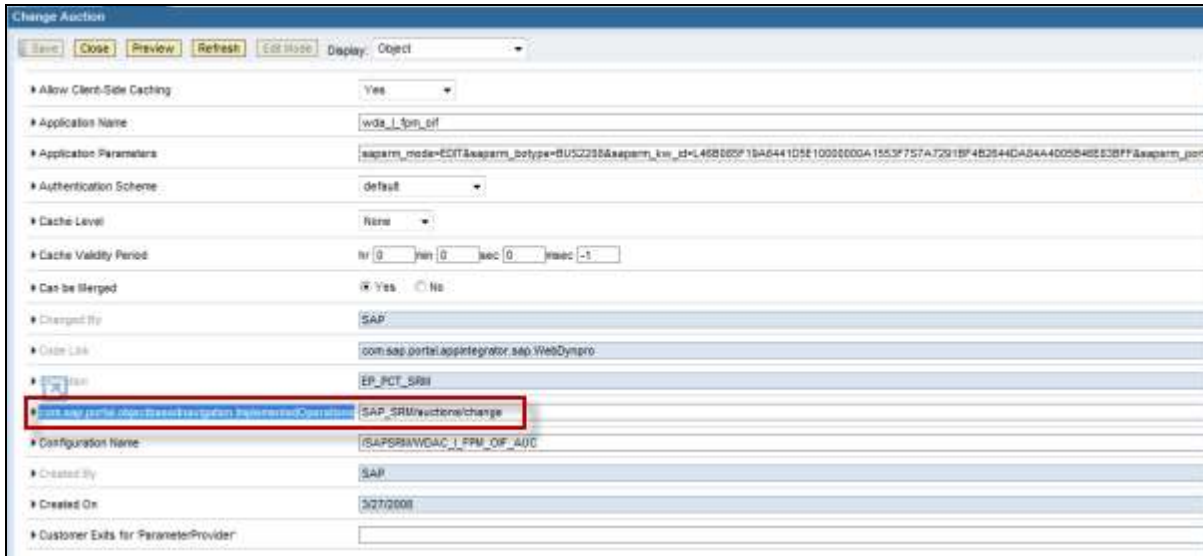


4. If the Business Object is not present then do the following,
 - Standard Applications: If the Business Object belongs to a Standard Business Object and it is not present then it means that the Business Package was not installed properly. Work with the Basis team to get this resolved.
 - Custom Applications: If the Source iView is a custom application and the Business Object is not present then you have to create one. Refer [this](#) article for a step by step guide to create a business object.

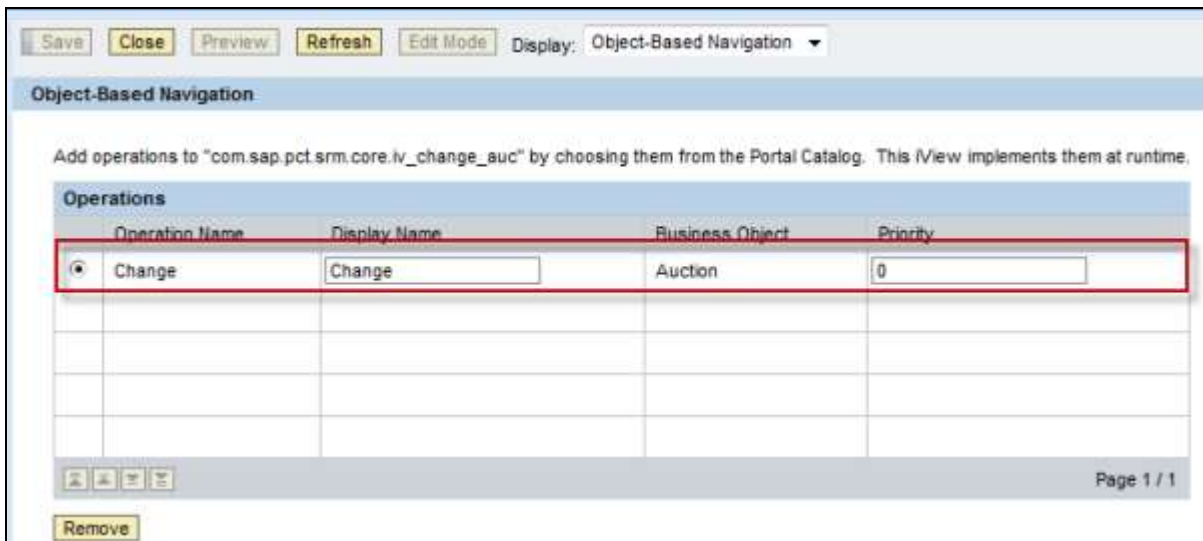
Step 4: Check if the Target iView has subscribed to the Business Object Operation

If steps 2 and 3 are successful then check if the Target iView that is being triggered is subscribing to an operation.

1. Open the properties of the Target iView and look for the property **com.sap.portal.objectbasednavigation.ImplementedOperations**. This property should have a value in the format <System Alias>/<Business Object ID>/<Operation ID>(For example, SAP_SRM/auctions/change.)



2. Alternatively, you can change the Display dropdown of the iView to “Object Based Navigation” and check the operations that have been subscribed to.



3. To cross verify go to the Business Object and open it to see all the operation. Select the required operation and click on “Display iViews/Pages”. Look for your target iView.

The screenshot displays the SAP Business Object Editor interface. On the left, a navigation tree shows the hierarchy: Business Objects > ERP Common Parts > SCE > SRM > Auction. The main area is titled 'Business Object Editor' and shows the 'Operations' table with the 'Change' operation selected. Below this, the 'Implementing iViews / Pages' table lists three iViews associated with the 'Change' operation.

Operations Table:

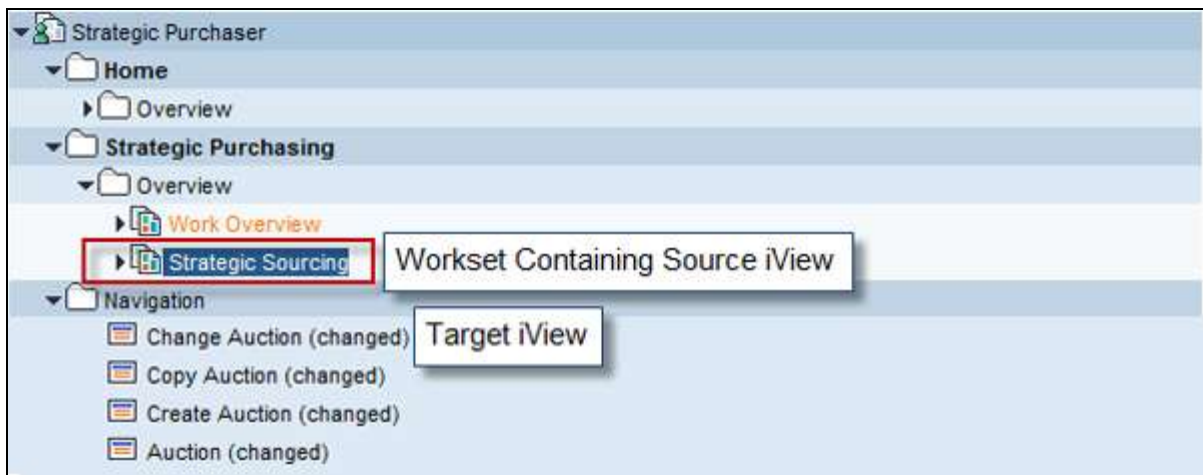
Operation Name	Operation ID	Priority
Create	create	0
Copy	copy	0
Bids and Awards	bidnawards	0
Change	change	0
Display	display	0

Implementing iViews / Pages Table:

iView / Page	Location	In-Navigation
com.sap.pct.srm.core.lv_change_auc	portal_content / SCE / common_content / roles / srm / com.sce.rl.srm_buyer / fl_navi	Yes
com.sap.pct.srm.core.lv_change_auc	portal_content / SCE / common_content / roles / srm / com.sce.rl.srm_os_business_partner_displayer / fl_navi	Yes
com.sap.pct.srm.core.lv_change_auc	portal_content / SCE / common_content / roles / srm / com.sce.rl.srm_os_business_partner_maintainer / fl_navi	Yes

Step 5: Check if both the Source iView and Target iView are in the same Role

For the OBN to work both the Source iView and Target iView should be in the same role. For example, if you have a Source iView containing a list of Auctions and the Target iView is a screen for editing the Auction, then both these iViews should be in the same role.



Step 6: Check if the user has proper permissions to access Target iView and the Role

One of the criteria for OBN to work is that the user should have permissions to access the Target iView and of course the Role should have been assigned to the user.

Step 7: Open a customer message with SAP

The above list of steps might not be an exhaustive list; however, if none these steps work you can open up a customer message with SAP. The steps mentioned above will enable you to gather enough information for opening up a customer message.

Related Content

[Help.sap.com: Object Based Navigation](#)

[Wiki: Object Based Navigation](#)

[OSS note number 1386141](#)

[Step By Step guide for OBN](#)

For more information, visit the [Portal and Collaboration homepage](#).

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