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Oracle WebCenter Spaces & Oracle Business Intelligence Enterprise Configuration including Oracle BI Apps

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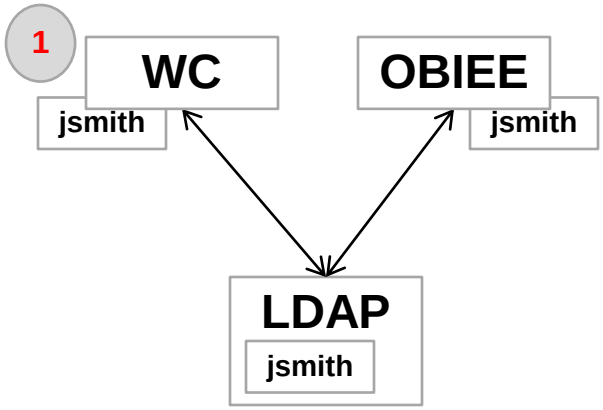
WebCenter Product Management & Business Intelligence Sales Consulting
Aug 15, 2011

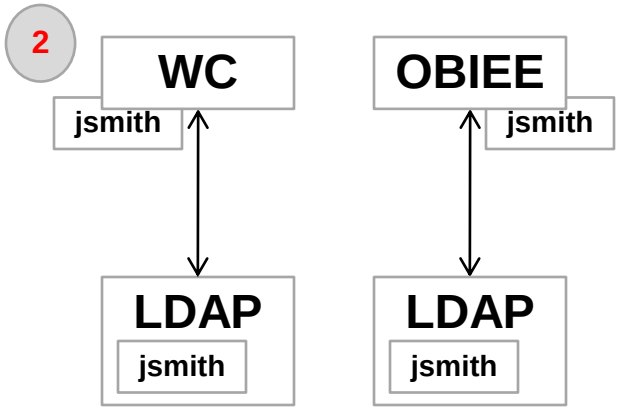
Versions & Pre-requisites

- Oracle WebCenter
  - Version 11.1.1.4.0 (PS3)
  - WC Spaces is already installed, configured and up and running
    - Database – Universal Content Management – Enterprise Manager – WebCenter Spaces
- Oracle Business Intelligence Applications
  - OBI Enterprise Edition version 11.1.1.5.0
  - OBI Applications version 7.9.6.3 (Optional)
  - OBIEE is already installed, configured, and up and running
    - Database – OBI Enterprise Edition
  - OBI Applications is installed and setup and all content is available from the OBIEE environment (Optional)
- Protocol – this document currently only considers http and not https
- Security considerations (see next slide)

Security Considerations

- The integration uses the impersonate abilities of OBIEE to ensure reports and data are secured correctly
- This document currently only covers the use of the internal WLS LDAP directory
- The integration requires the same user name population across the WC and OBIEE for the integration to work.
- This can be achieved using either of the following methods:
  1. Have WC and OBIEE share the same security solution (Best)
  2. Have identical user names across the WC and OBIEE security solutions (OK)





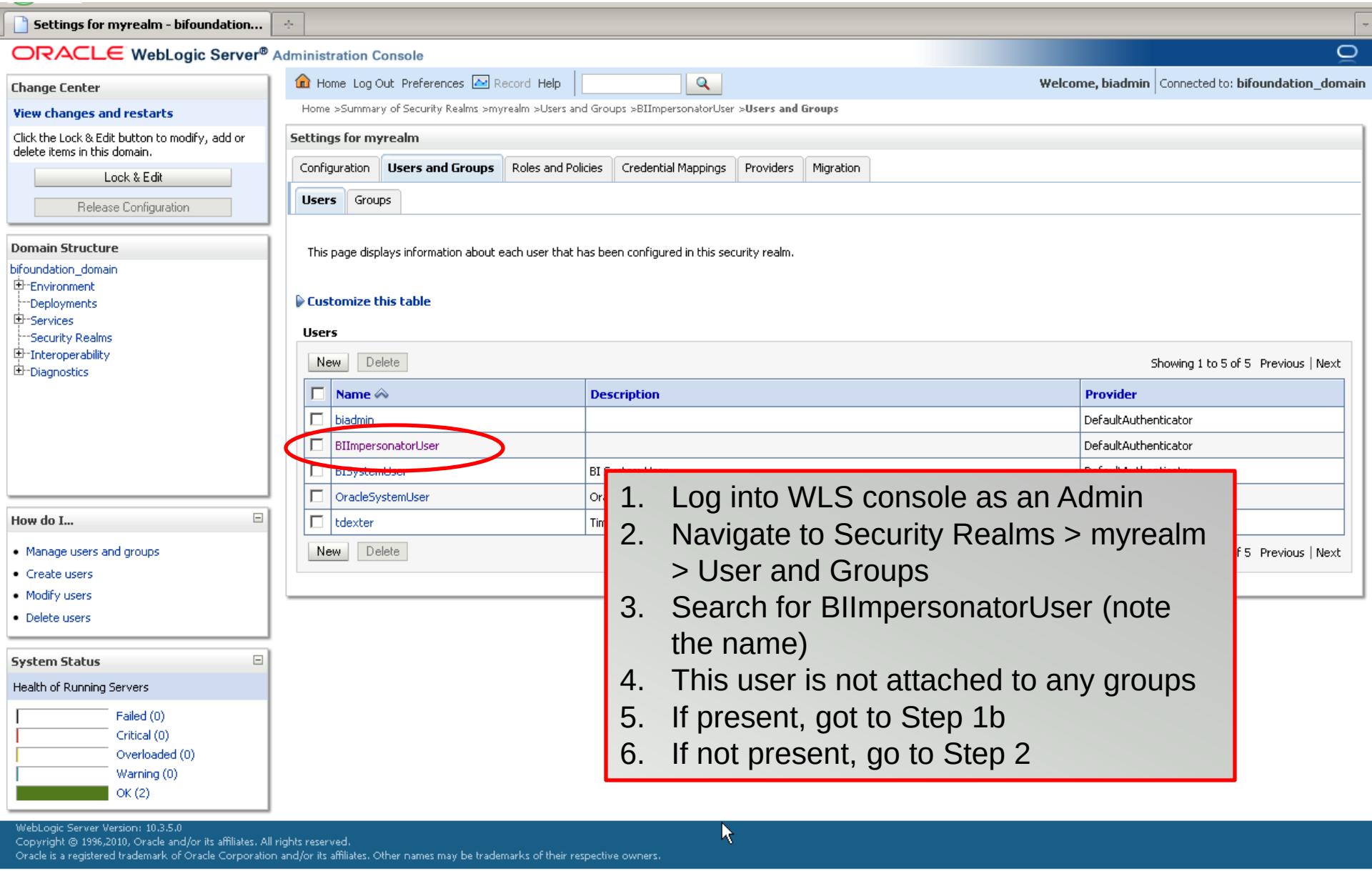
What we will do in OBIEE

1. Check for the presence of the BIImpersonatorUser
   a. In the LDAP directory assuming the WLS LDAP
   b. If present, check the roles assigned to the user in EM
   c. If not present goto Step 2
2. Setup the BIImpersonatorUser user in OBIEE if not present

Step 1:

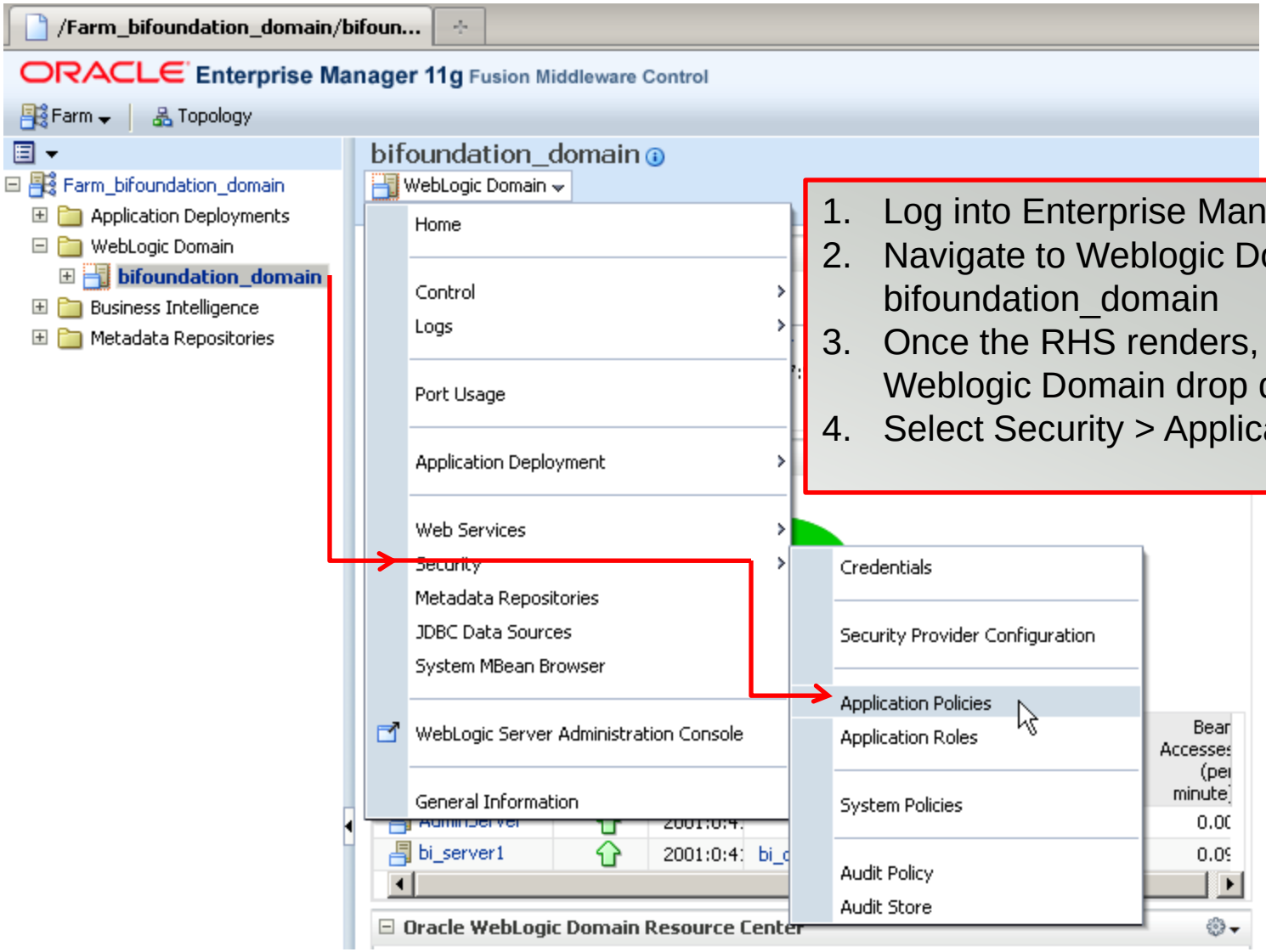
Check for the presence of the BIImpersonatorUser

Step 1a: Check for presence of BIImpersonatorUser



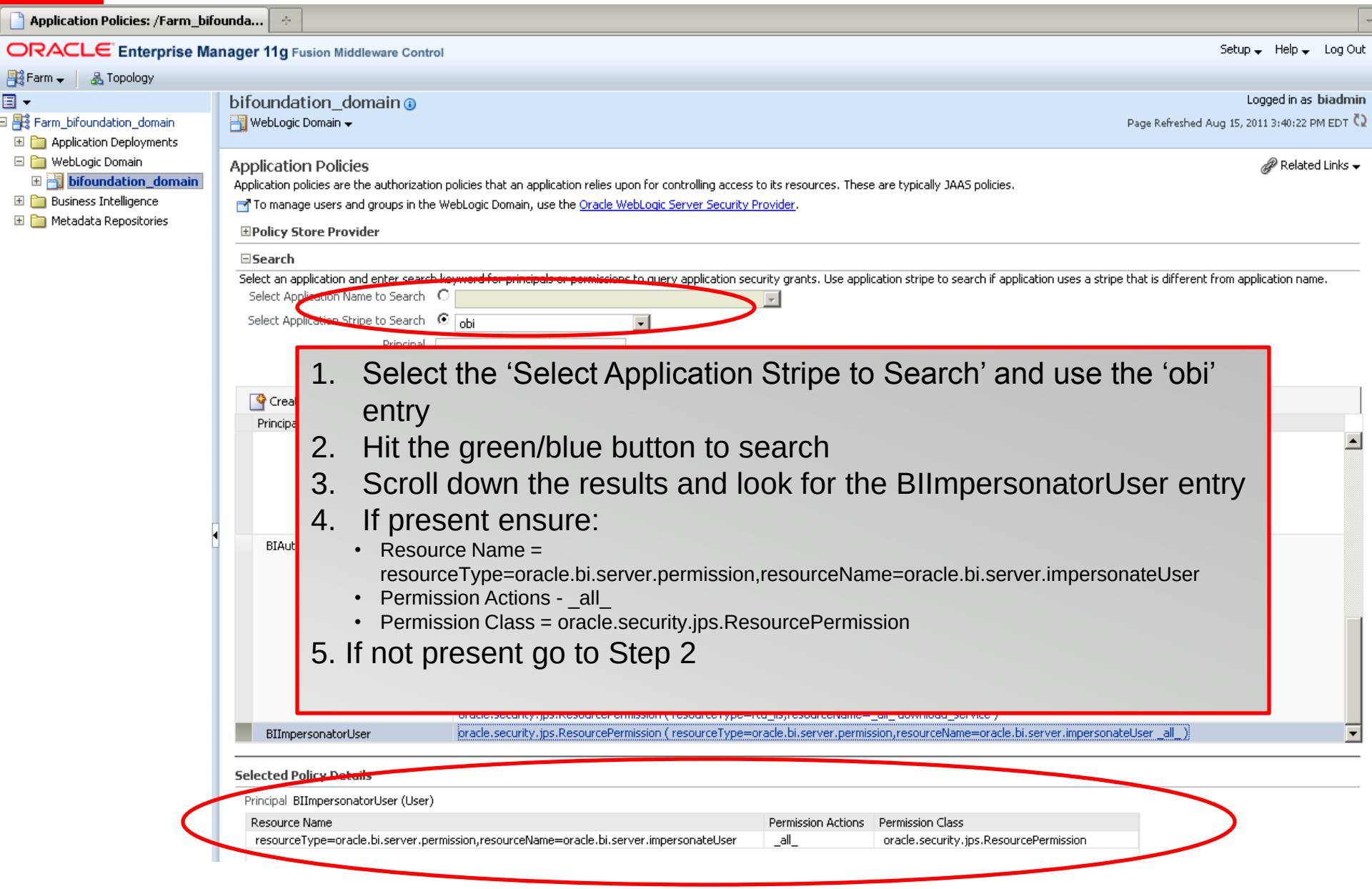
1. Log into WLS console as an Admin
2. Navigate to Security Realms > myrealm > User and Groups
3. Search for BIImpersonatorUser (note the name)
4. This user is not attached to any groups
5. If present, got to Step 1b
6. If not present, go to Step 2

Step 1b: Check roles assigned to BIImpersonatorUser



1. Log into Enterprise Manager as an Admin
2. Navigate to Weblogic Domain > bifoundation_domain
3. Once the RHS renders, select the Weblogic Domain drop down
4. Select Security > Application Policies

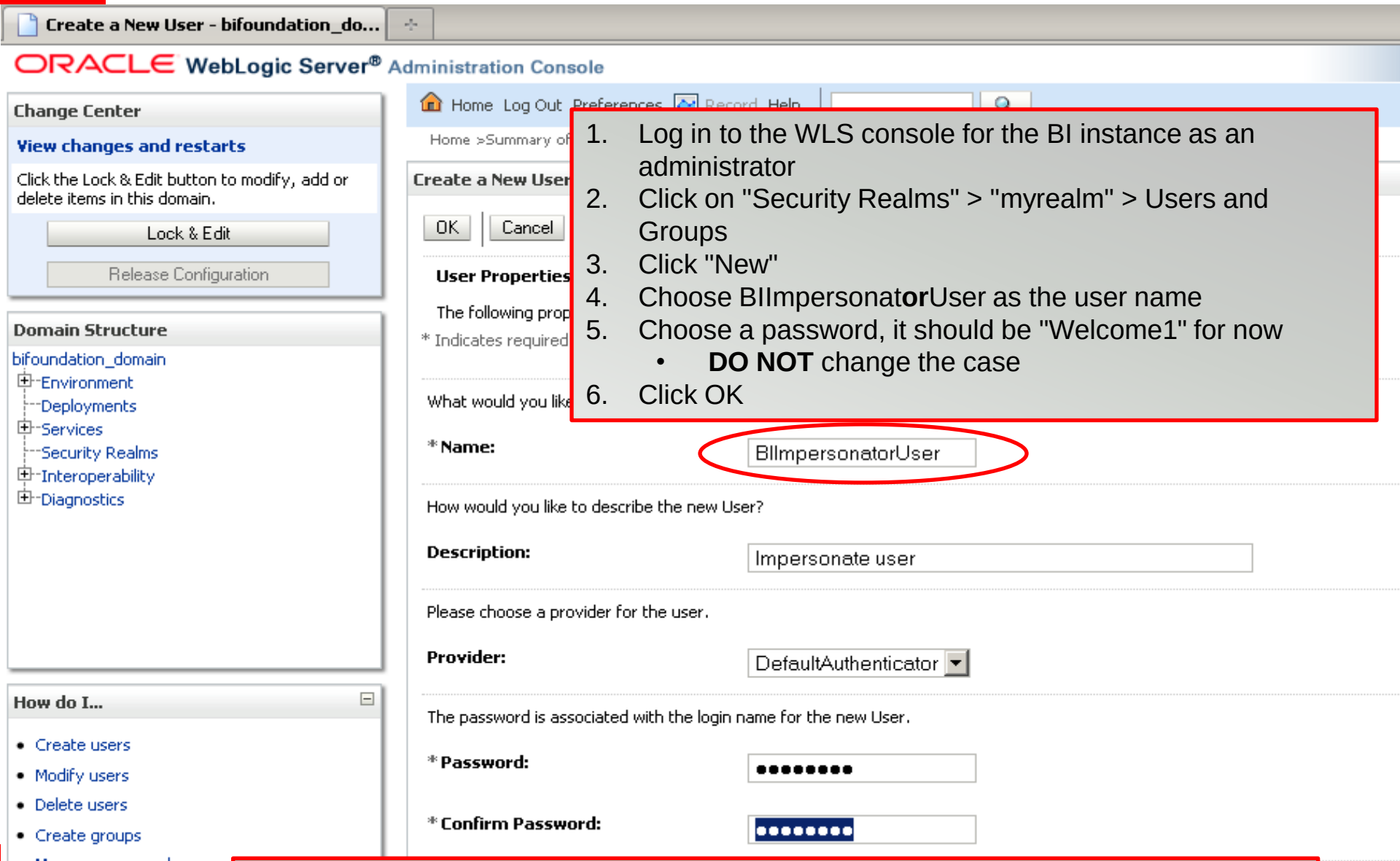
Step 1b: Check roles assigned to BIImpersonatorUser



Step 2:

Create and configure the BIImpersonatorUser

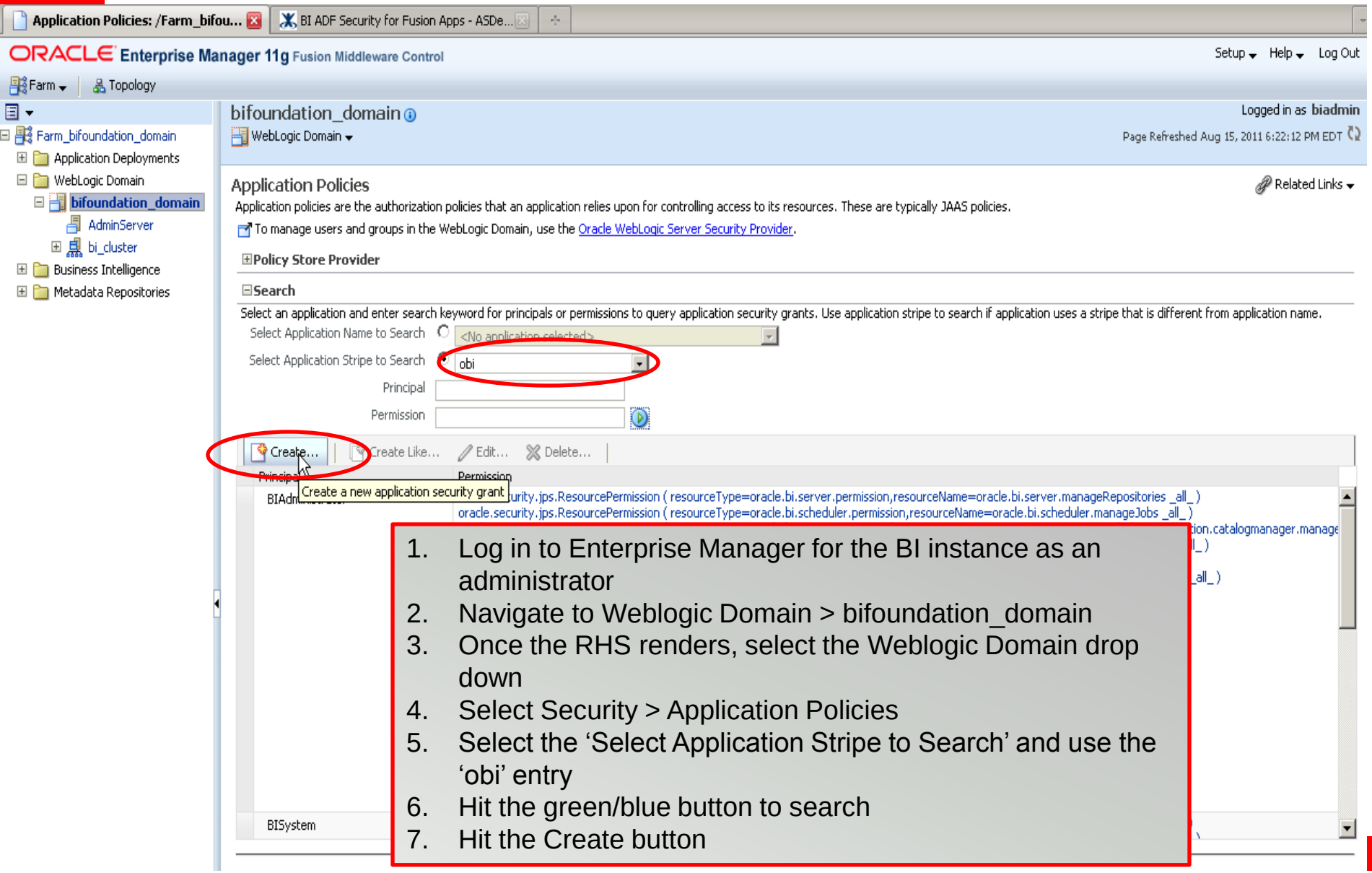
Step 2a: Create the BIImpersonatorUser user



1. Log in to the WLS console for the BI instance as an administrator
2. Click on "Security Realms" > "myrealm" > Users and Groups
3. Click "New"
4. Choose BIImpersonat**or**User as the user name
5. Choose a password, it should be "Welcome1" for now
   - **DO NOT** change the case
6. Click OK

This assumes you are using the built in WLS LDAP. If you are using another LDAP solution, refer to the BIEE security documentation on creating users and assigning roles.

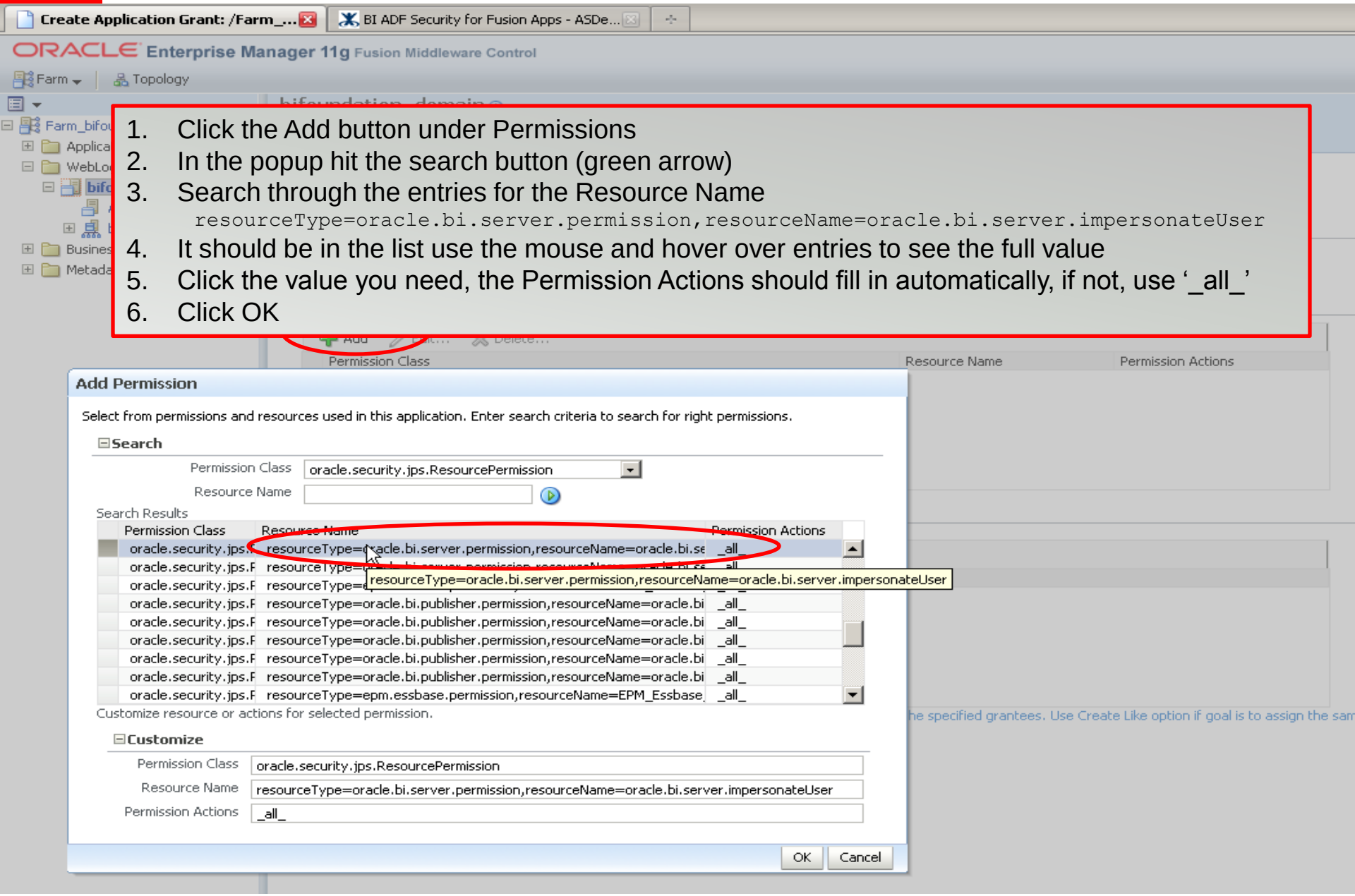
Step 2b: Assign roles to the BIImpersonatorUser user



1. Log in to Enterprise Manager for the BI instance as an administrator
2. Navigate to Weblogic Domain > bifoundation_domain
3. Once the RHS renders, select the Weblogic Domain drop down
4. Select Security > Application Policies
5. Select the ‘Select Application Stripe to Search’ and use the ‘obi’ entry
6. Hit the green/blue button to search
7. Hit the Create button

Step 2b: Assign roles to the BIImpersonatorUser user

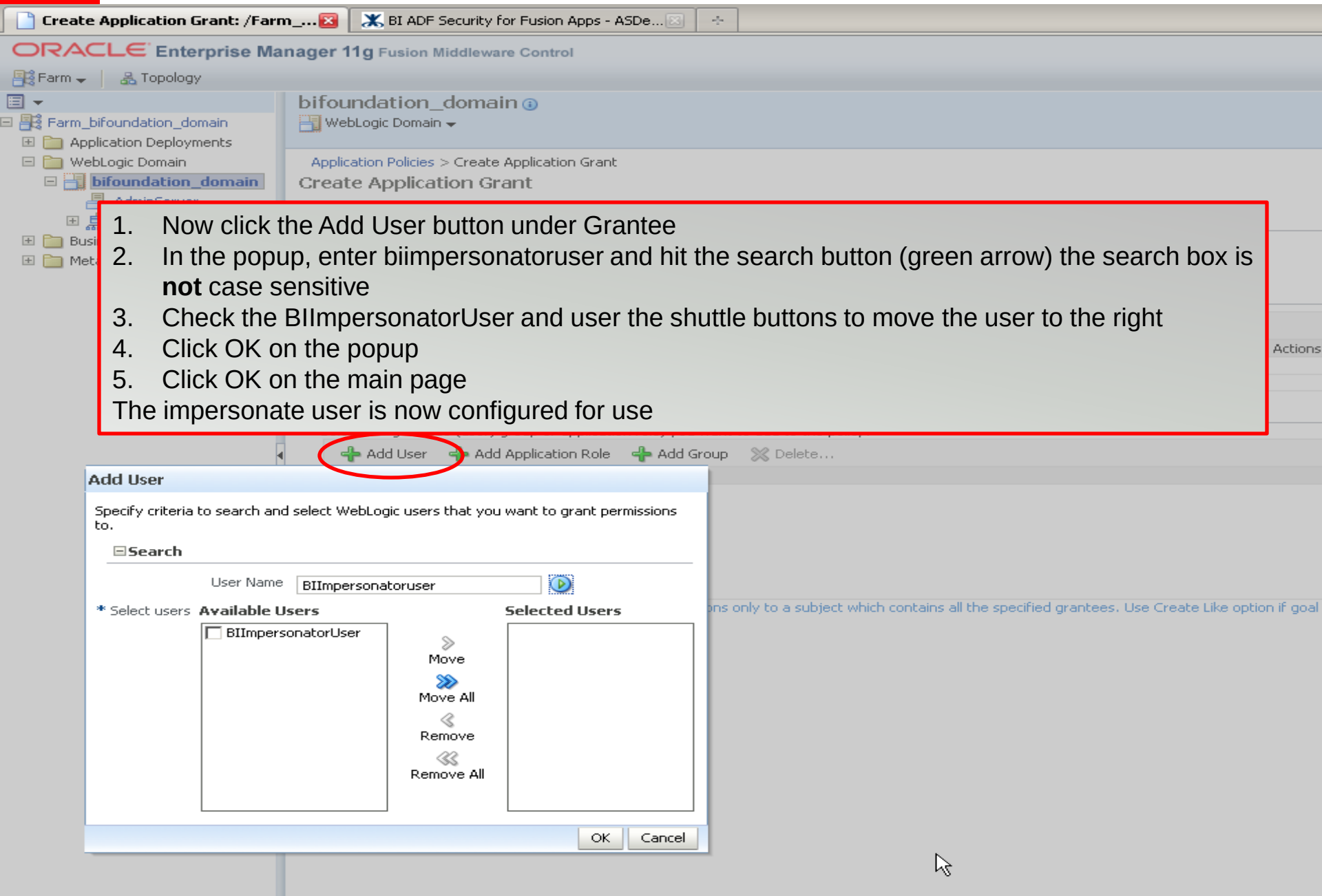
1. Click the Add button under Permissions
2. In the popup hit the search button (green arrow)
3. Search through the entries for the Resource Name
   `resourceType=oracle.bi.server.permission,resourceName=oracle.bi.server.impersonateUser`
4. It should be in the list use the mouse and hover over entries to see the full value
5. Click the value you need, the Permission Actions should fill in automatically, if not, use '_all_'
6. Click OK



Step 2b: Assign roles to the BIImpersonatorUser user

1. Now click the Add User button under Grantee
2. In the popup, enter biimpersonatoruser and hit the search button (green arrow) the search box is **not** case sensitive
3. Check the BIImpersonatorUser and user the shuttle buttons to move the user to the right
4. Click OK on the popup
5. Click OK on the main page

The impersonate user is now configured for use

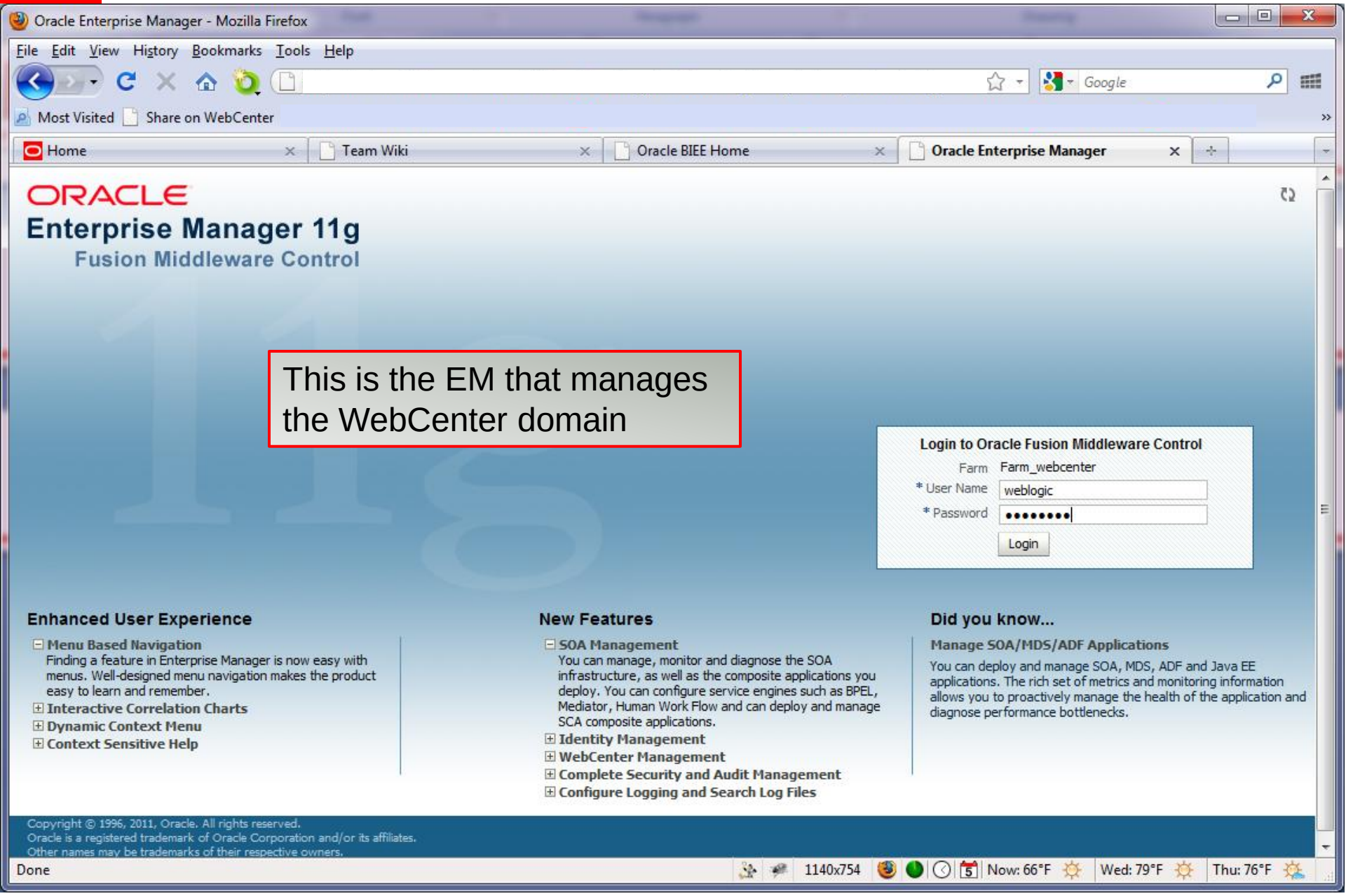


What we will do in Web Center

1. In the EM for WebCenter, use the MBean browser to create a connection to the BI Server
   - Need to know URL to BI Server's login page, e.g. http://biserver.company.com:7001/analytics
     - Host = biserver.company.com
     - Port = 7001
     - Context = analytics
     - Protocol=http
   - Need to know BIImpersonatorUser's password
2. In WebCenter Spaces change the Space Resource Catalog to access the BI Catalog
3. Add BI content to pages in WebCenter Spaces

Step 1:

Create a WebCenter connection to the BI Server


Oracle Enterprise Manager - Mozilla Firefox
File Edit View History Bookmarks Tools Help
Most Visited
Share on WebCenter
Home
Team Wiki
Oracle BIEE Home
Oracle Enterprise Manager
ORACLE
Enterprise Manager 11g
Fusion Middleware Control
This is the EM that manages the WebCenter domain
Login to Oracle Fusion Middleware Control
Farm Farm_webcenter
* User Name weblogic
* Password
Login
Enhanced User Experience
Menu Based Navigation
Finding a feature in Enterprise Manager is now easy with menus. Well-designed menu navigation makes the product easy to learn and remember.
Interactive Correlation Charts
Dynamic Context Menu
Context Sensitive Help
New Features
SOA Management
You can manage, monitor and diagnose the SOA infrastructure, as well as the composite applications you deploy. You can configure service engines such as BPEL, Mediator, Human Work Flow and can deploy and manage SCA composite applications.
Identity Management
WebCenter Management
Complete Security and Audit Management
Configure Logging and Search Log Files
Did you know...
Manage SOA/MDS/ADF Applications
You can deploy and manage SOA, MDS, ADF and Java EE applications. The rich set of metrics and monitoring information allows you to proactively manage the health of the application and diagnose performance bottlenecks.
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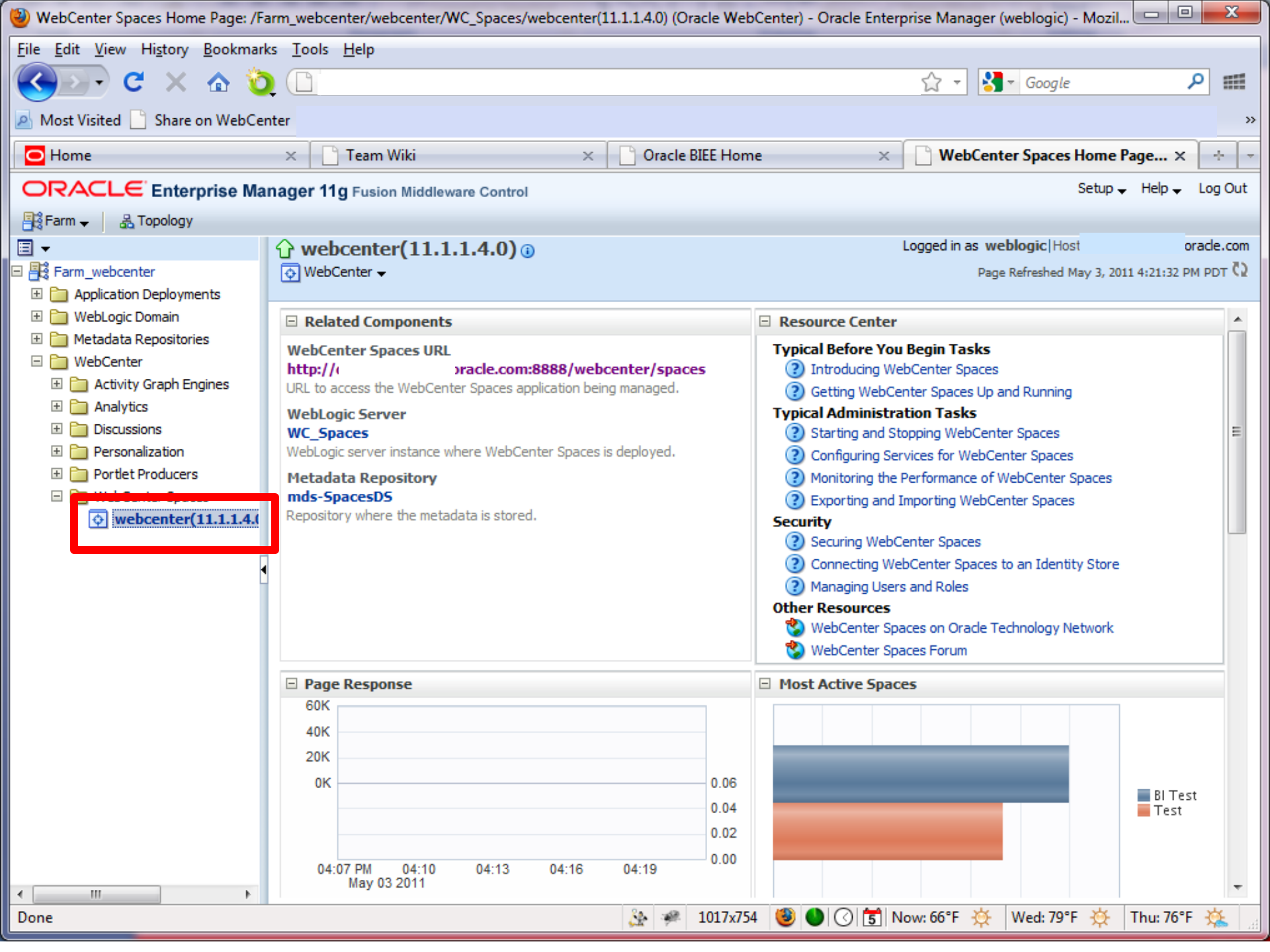
Other names may be trademarks of their respective owners.
Done
1140x754
Now: 66°F
Wed: 79°F
Thu: 76°F


WebCenter Spaces Home Page: /Farm_webcenter/webcenter/WC_Spaces/webcenter(11.1.1.4.0) (Oracle WebCenter) - Oracle Enterprise Manager (weblogic) - Mozil...
File Edit View History Bookmarks Tools Help
Most Visited
Share on WebCenter
Home
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Oracle BIEE Home
WebCenter Spaces Home Page...
ORACLE Enterprise Manager 11g Fusion Middleware Control
Setup
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Farm
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Farm_webcenter
Application Deployments
WebLogic Domain
Metadata Repositories
WebCenter
Activity Graph Engines
Analytics
Discussions
Personalization
Portlet Producers
webcenter(11.1.1.4.0)
webcenter(11.1.1.4.0)
WebCenter
Logged in as weblogic|Host
oracle.com
Page Refreshed May 3, 2011 4:21:32 PM PDT
Related Components
WebCenter Spaces URL
http://
oracle.com:8888/webcenter/spaces
URL to access the WebCenter Spaces application being managed.
WebLogic Server
WC_Spaces
WebLogic server instance where WebCenter Spaces is deployed.
Metadata Repository
mds-SpacesDS
Repository where the metadata is stored.
Resource Center
Typical Before You Begin Tasks
Introducing WebCenter Spaces
Getting WebCenter Spaces Up and Running
Typical Administration Tasks
Starting and Stopping WebCenter Spaces
Configuring Services for WebCenter Spaces
Monitoring the Performance of WebCenter Spaces
Exporting and Importing WebCenter Spaces
Security
Securing WebCenter Spaces
Connecting WebCenter Spaces to an Identity Store
Managing Users and Roles
Other Resources
WebCenter Spaces on Oracle Technology Network
WebCenter Spaces Forum
Page Response
60K
40K
20K
0K
0.06
0.04
0.02
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04:10
04:13
04:16
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Most Active Spaces
BI Test
Test
Done
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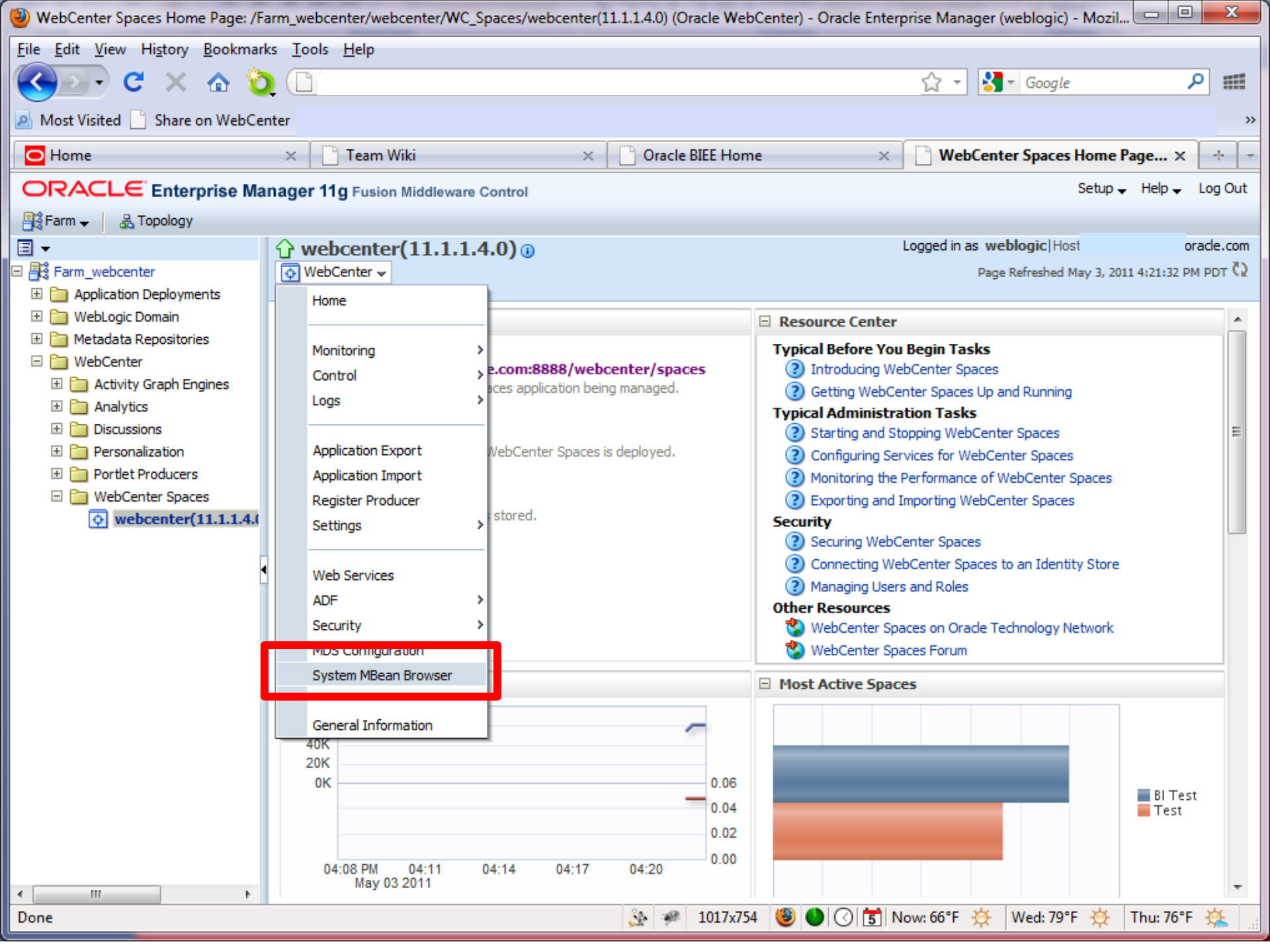
Thu: 76°F


WebCenter Spaces Home Page: /Farm_webcenter/webcenter/WC_Spaces/webcenter(11.1.1.4.0) (Oracle WebCenter) - Oracle Enterprise Manager (weblogic) - Mozil...
File Edit View History Bookmarks Tools Help
Most Visited
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WebCenter Spaces Home Page...
ORACLE Enterprise Manager 11g Fusion Middleware Control
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Application Deployments
WebLogic Domain
Metadata Repositories
WebCenter
Activity Graph Engines
Analytics
Discussions
Personalization
Portlet Producers
WebCenter Spaces
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oracle.com
Page Refreshed May 3, 2011 4:21:32 PM PDT
WebCenter
Home
Monitoring
Control
Logs
Application Export
Application Import
Register Producer
Settings
Web Services
ADF
Security
MDS Configuration
System MBean Browser
General Information
Resource Center
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Other Resources
WebCenter Spaces on Oracle Technology Network
WebCenter Spaces Forum
Most Active Spaces
40K
20K
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0.04
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04:17
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BI Test
Test
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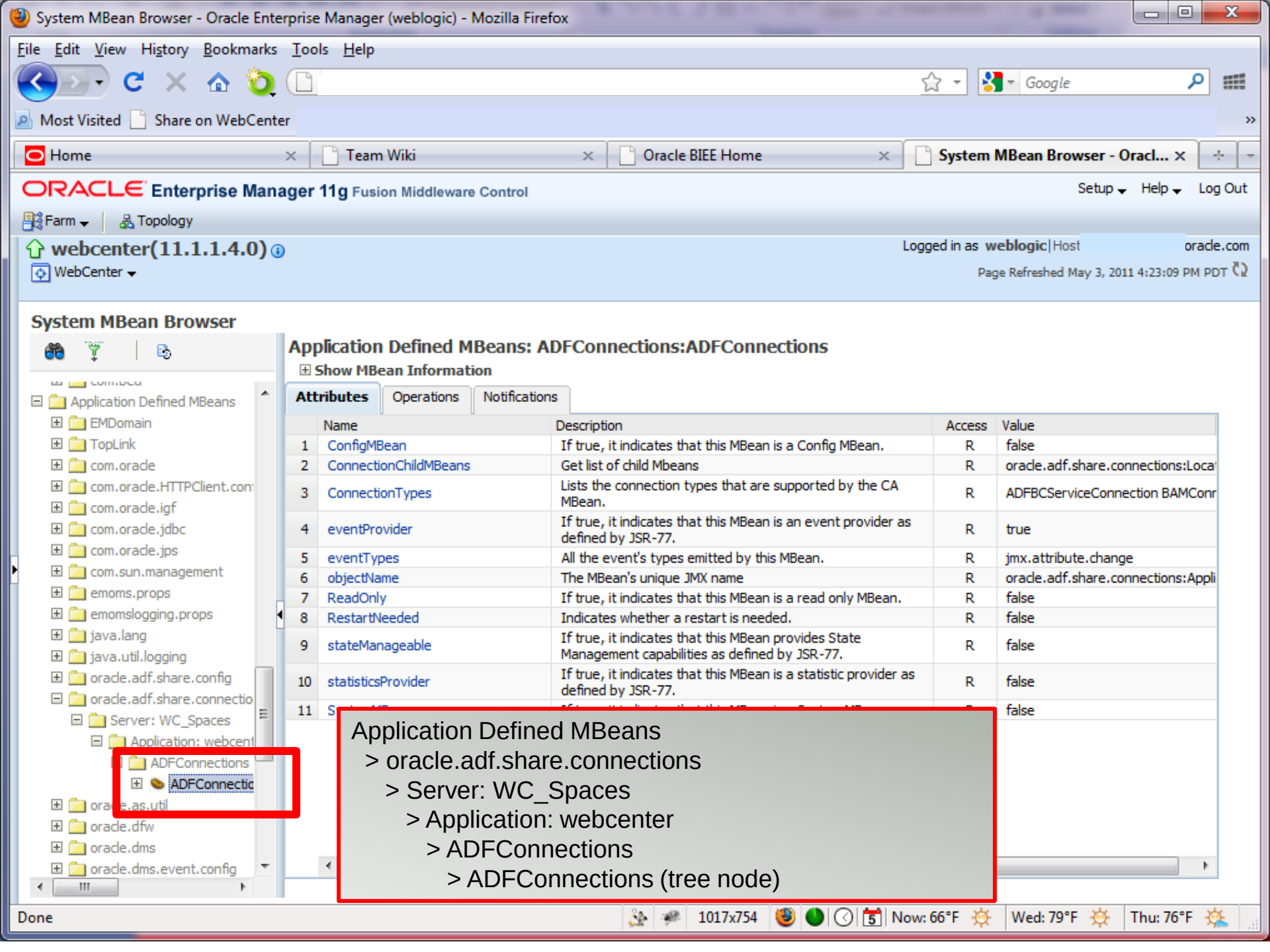
Thu: 76°F


System MBean Browser - Oracle Enterprise Manager (weblogic) - Mozilla Firefox
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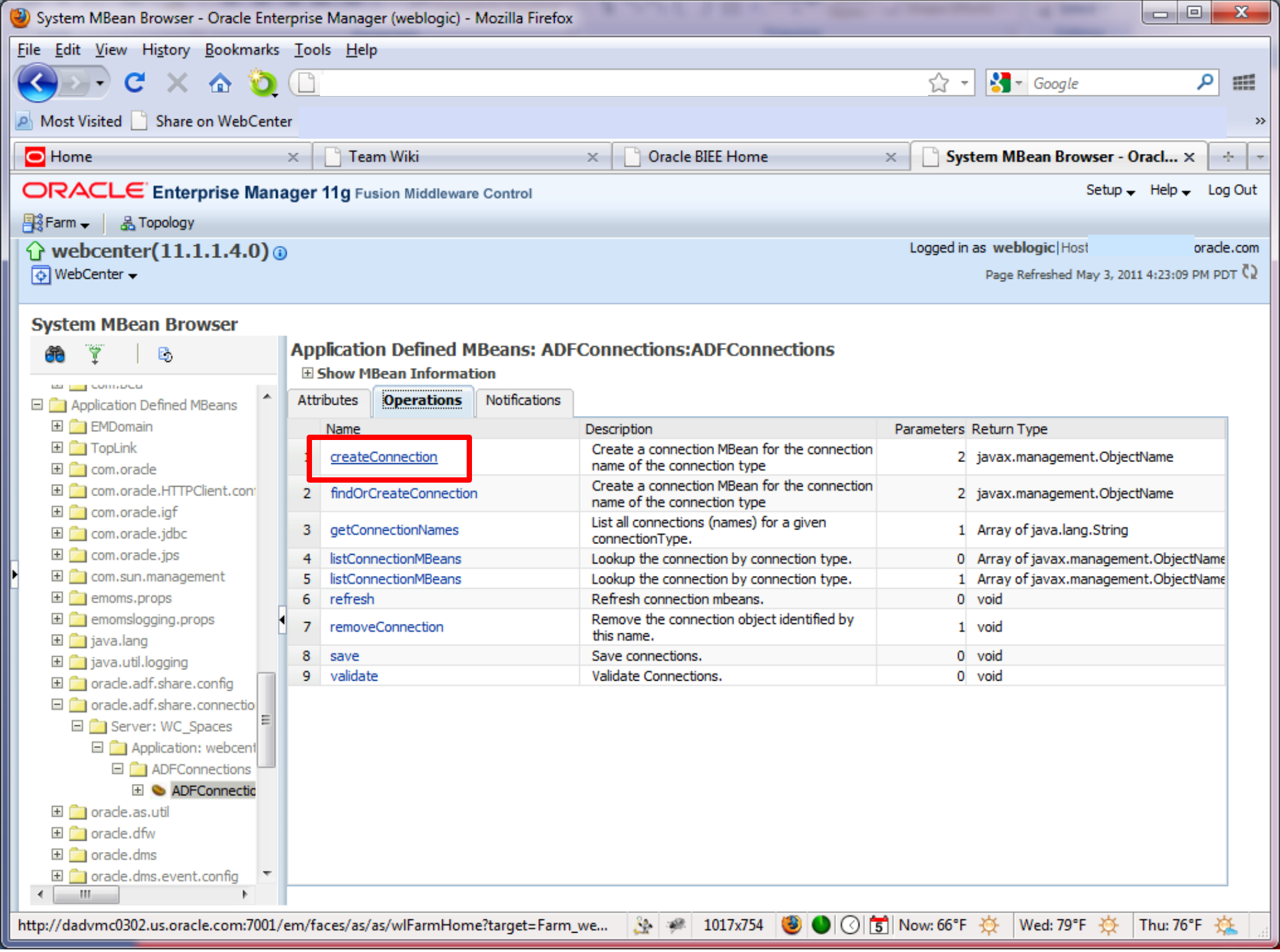
System MBean Browser
Application Defined MBeans
EMDomain
TopLink
com.oracle
com.oracle.HTTPClient.con
com.oracle.igf
com.oracle.jdbc
com.oracle.jps
com.sun.management
emoms.props
emomslogging.props
java.lang
java.util.logging
oracle.adf.share.config
oracle.adf.share.connectio
Server: WC_Spaces
Application: webcent
ADFConnections
ADFConnectio
oracle.dfw
oracle.dms
oracle.dms.event.config
Application Defined MBeans: ADFConnections:ADFConnections
Show MBean Information
Attributes
Operations
Notifications
Name
Description
Access
Value
1 ConfigMBean If true, it indicates that this MBean is a Config MBean. R false
2 ConnectionChildMBeans Get list of child Mbeans R oracle.adf.share.connections:Loca
3 ConnectionTypes Lists the connection types that are supported by the CA MBean. R ADFBCServiceConnection BAMConr
4 eventProvider If true, it indicates that this MBean is an event provider as defined by JSR-77. R true
5 eventTypes All the event's types emitted by this MBean. R jmx.attribute.change
6 objectName The MBean's unique JMX name R oracle.adf.share.connections:Appli
7 ReadOnly If true, it indicates that this MBean is a read only MBean. R false
8 RestartNeeded Indicates whether a restart is needed. R false
9 stateManageable If true, it indicates that this MBean provides State Management capabilities as defined by JSR-77. R false
10 statisticsProvider If true, it indicates that this MBean is a statistic provider as defined by JSR-77. R false
11 R false
Application Defined MBeans
> oracle.adf.share.connections
> Server: WC_Spaces
> Application: webcenter
> ADFConnections
> ADFConnections (tree node)
Done
1017x754
Now: 66°F
Wed: 79°F
Thu: 76°F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com.oracle.jps
com.sun.management
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java.util.logging
oracle.adf.share.config
oracle.adf.share.connectio
Server: WC_Spaces
Application: webcent
ADFConnections
ADFConnectic
oracle.as.util
oracle.dfw
oracle.dms
oracle.dms.event.config
Application Defined MBeans: ADFConnections:ADFConnections
Show MBean Information
Attributes Operations Notifications
Name Description Parameters Return Type
1 createConnection Create a connection MBean for the connection name of the connection type 2 javax.management.ObjectName
2 findOrCreateConnection Create a connection MBean for the connection name of the connection type 2 javax.management.ObjectName
3 getConnectionNames List all connections (names) for a given connectionType. 1 Array of java.lang.String
4 listConnectionMBeans Lookup the connection by connection type. 0 Array of javax.management.ObjectName
5 listConnectionMBeans Lookup the connection by connection type. 1 Array of javax.management.ObjectName
6 refresh Refresh connection mbeans. 0 void
7 removeConnection Remove the connection object identified by this name. 1 void
8 save Save connections. 0 void
9 validate Validate Connections. 0 void
http://dadvmc0302.us.oracle.com:7001/em/faces/as/as/wlFarmHome?target=Farm_we...
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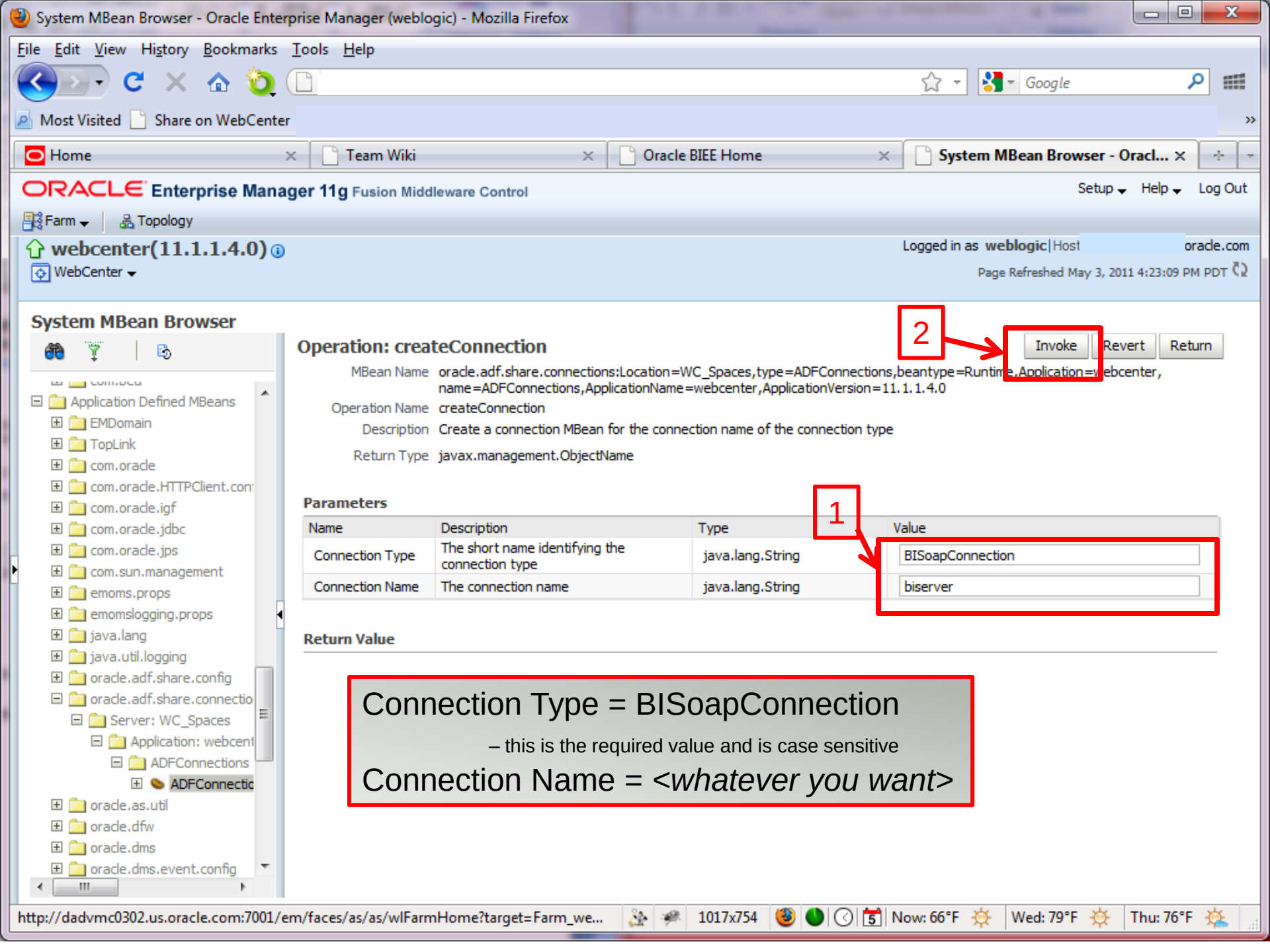
Now: 66°F
Wed: 79°F
Thu: 76°F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webcenter(11.1.1.4.0)
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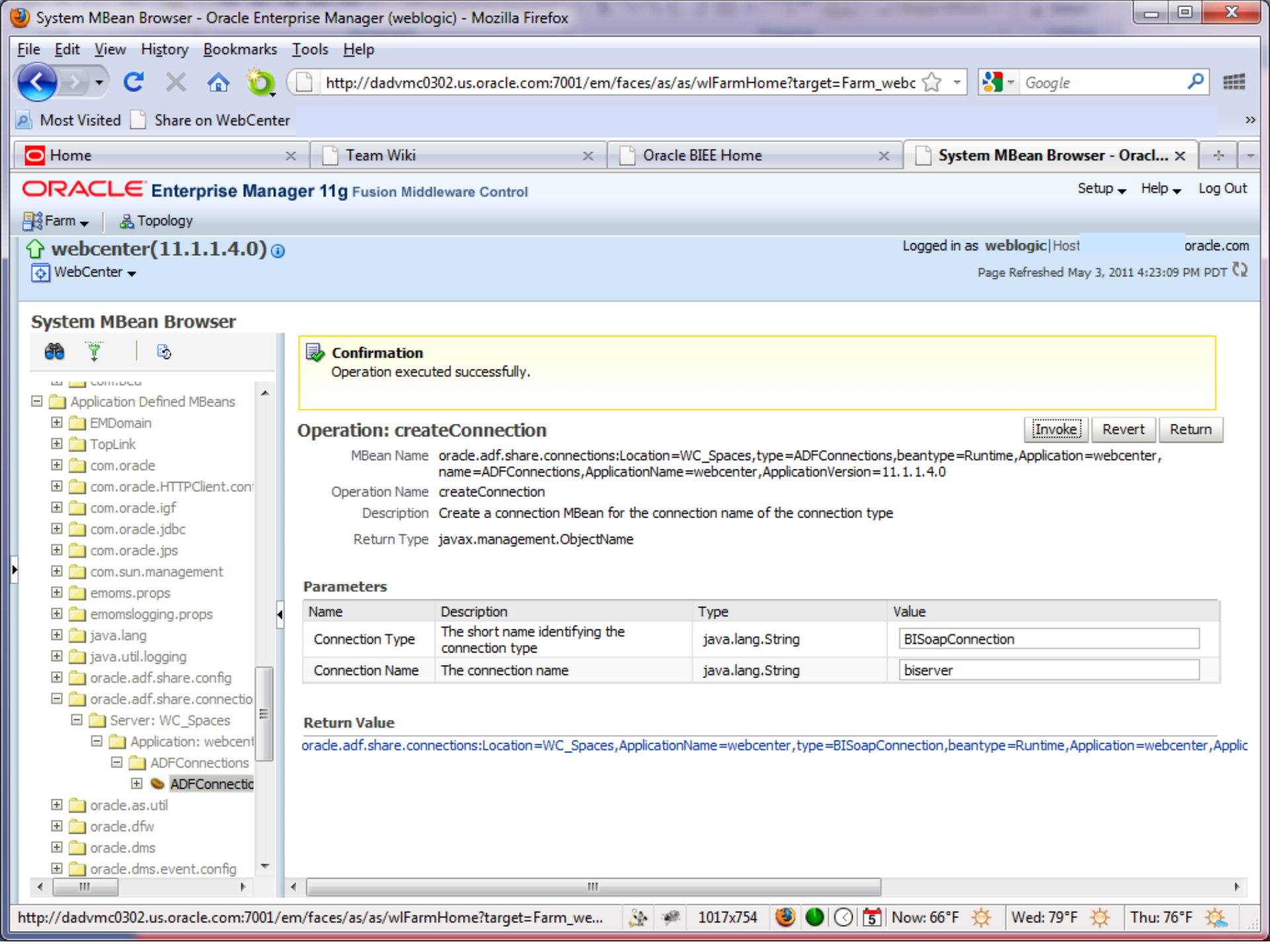
System MBean Browser
Application Defined MBeans
EMDomain
TopLink
com.oracle
com.oracle.HTTPClient.con
com.oracle.igf
com.oracle.jdbc
com.oracle.jps
com.sun.management
emoms.props
emomslogging.props
java.lang
java.util.logging
oracle.adf.share.config
oracle.adf.share.connectio
Server: WC_Spaces
Application: webcent
ADFConnections
ADFConnectic
oracle.as.util
oracle.dfw
oracle.dms
oracle.dms.event.config
Operation: createConnection
2
Invoke
Revert
Return
MBean Name oracle.adf.share.connections:Location=WC_Spaces,type=ADFConnections,beantype=Runtime,Application=webcenter,
name=ADFConnections,ApplicationName=webcenter,ApplicationVersion=11.1.1.4.0
Operation Name createConnection
Description Create a connection MBean for the connection name of the connection type
Return Type javax.management.ObjectName
Parameters
1
Name
Description
Type
Value
Connection Type
The short name identifying the connection type
java.lang.String
BISoapConnection
Connection Name
The connection name
java.lang.String
biserver
Return Value
Connection Type = BISoapConnection
– this is the required value and is case sensitive
Connection Name = <whatever you want>
http://dadvmc0302.us.oracle.com:7001/em/faces/as/as/wlFarmHome?target=Farm_we...
1017x754
Now: 66°F
Wed: 79°F
Thu: 76°F


System MBean Browser - Oracle Enterprise Manager (weblogic) - Mozilla Firefox
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http://dadvmc0302.us.oracle.com:7001/em/faces/as/as/wlFarmHome?target=Farm_webc
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webcenter(11.1.1.4.0)
WebCenter
Logged in as weblogic | Host
oracle.com
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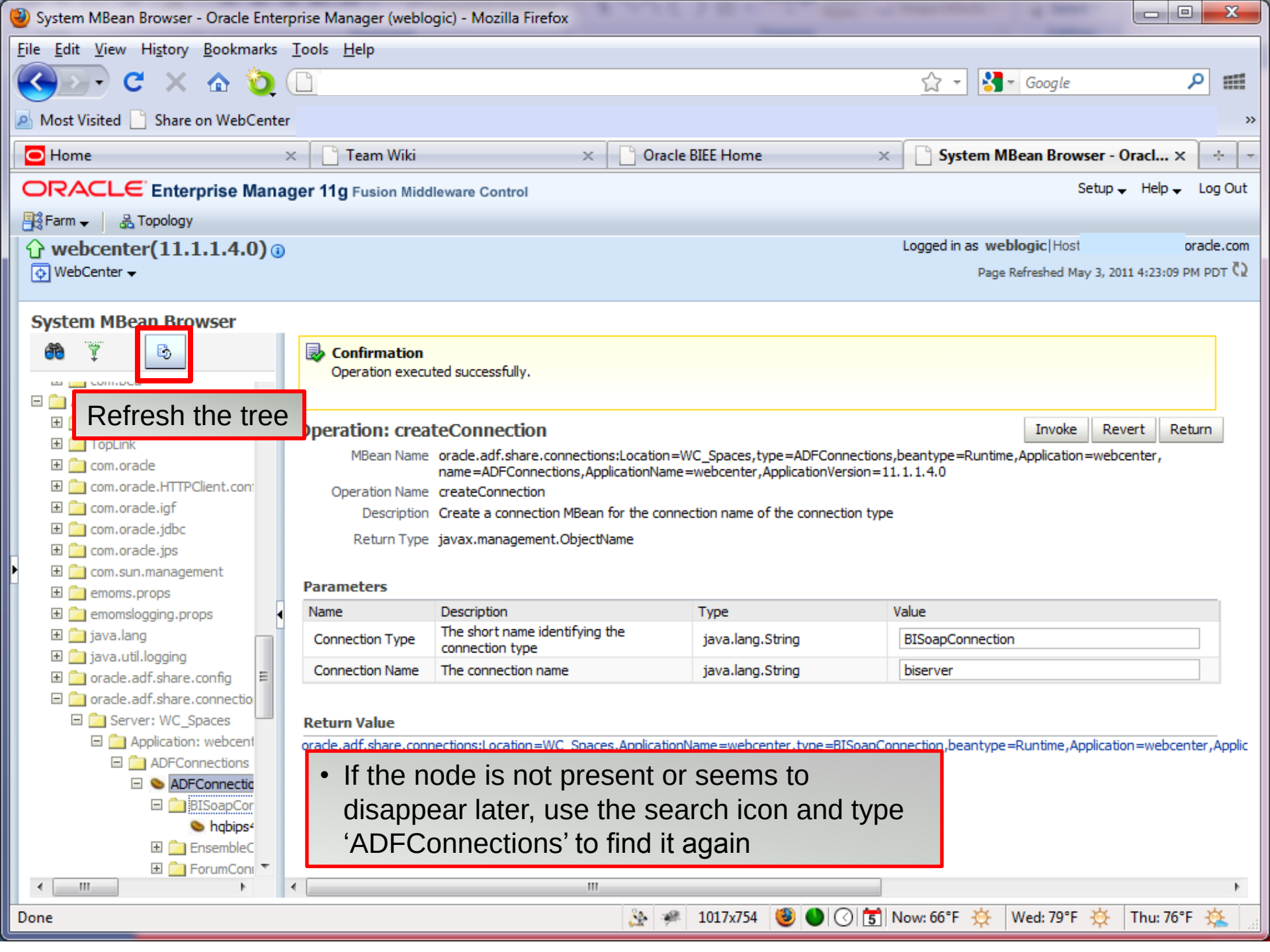
System MBean Browser
Application Defined MBeans
EMDomain
TopLink
com.oracle
com.oracle.HTTPClient.con
com.oracle.igf
com.oracle.jdbc
com.oracle.jps
com.sun.management
emoms.props
emomslogging.props
java.lang
java.util.logging
oracle.adf.share.config
oracle.adf.share.connectio
Server: WC_Spaces
Application: webcent
ADFConnections
ADFConnectic
oracle.as.util
oracle.dfw
oracle.dms
oracle.dms.event.config
Confirmation
Operation executed successfully.
Operation: createConnection
Invoke
Revert
Return
MBean Name oracle.adf.share.connections:Location=WC_Spaces,type=ADFConnections,beantype=Runtime,Application=webcenter, name=ADFConnections,ApplicationName=webcenter,ApplicationVersion=11.1.1.4.0
Operation Name createConnection
Description Create a connection MBean for the connection name of the connection type
Return Type javax.management.ObjectName
Parameters
Name | Description | Type | Value
Connection Type | The short name identifying the connection type | java.lang.String | BISoapConnection
Connection Name | The connection name | java.lang.String | biserver
Return Value
oracle.adf.share.connections:Location=WC_Spaces,ApplicationName=webcenter,type=BISoapConnection,beantype=Runtime,Application=webcenter,Applic
http://dadvmc0302.us.oracle.com:7001/em/faces/as/as/wlFarmHome?target=Farm_we...
1017x754
Now: 66°F
Wed: 79°F
Thu: 76°F


System MBean Browser - Oracle Enterprise Manager (weblogic) - Mozilla Firefox
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Most Visited
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webcenter(11.1.1.4.0)
WebCenter
Logged in as weblogic | Host
oracle.com
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System MBean Browser
Refresh the tree
Confirmation
Operation executed successfully.
Operation: createConnection
Invoke
Revert
Return
MBean Name oracle.adf.share.connections:Location=WC_Spaces,type=ADFConnections,beantype=Runtime,Application=webcenter,name=ADFConnections,ApplicationName=webcenter,ApplicationVersion=11.1.1.4.0
Operation Name createConnection
Description Create a connection MBean for the connection name of the connection type
Return Type javax.management.ObjectName
Parameters
Name
Description
Type
Value
Connection Type
The short name identifying the connection type
java.lang.String
BISoapConnection
Connection Name
The connection name
java.lang.String
biserver
Return Value
oracle.adf.share.connections:Location=WC_Spaces,ApplicationName=webcenter,type=BISoapConnection,beantype=Runtime,Application=webcenter,Applic
• If the node is not present or seems to disappear later, use the search icon and type 'ADFConnections' to find it again
com.oracle
com.oracle.igf
com.oracle.jdbc
com.oracle.jps
com.sun.management
emoms.props
emomslogging.props
java.lang
java.util.logging
oracle.adf.share.config
Server: WC_Spaces
ADFConnections
Done
1017x754
Now: 66°F
Wed: 79°F
Thu: 76°F

System MBean Browser - Oracle Enterprise Manager (weblogic) - Mozilla Firefox

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ORACLE Enterprise Manager 11g Fusion Middleware Control

Setup Help Log Out

Farm Topology

webcenter(11.1.1.4.0)

WebCenter

Logged in as weblogic | Host oracle.com

Page Refreshed May 3, 2011 4:23:09 PM PDT

System MBean Browser

- ADFConnections
  - ADFConnections
    - BISoapConnection
      - biserver
      - hqbips4
    - EnsembleConn
    - ForumConnect
    - JCR
    - OpenusageCor
    - Operation
    - Port
    - Service
    - URLConnProvider
    - WSRPProducerConn
    - WebCenterCommuni
    - WebProducerConne
    - WebServiceConnect
- oracle.as.util
- oracle.dfw
- oracle.dms
- oracle.dms.event.config
- oracle.j2ee.config
- oracle.jive.config

Application Defined MBeans: ADFConnections:ADFConnections

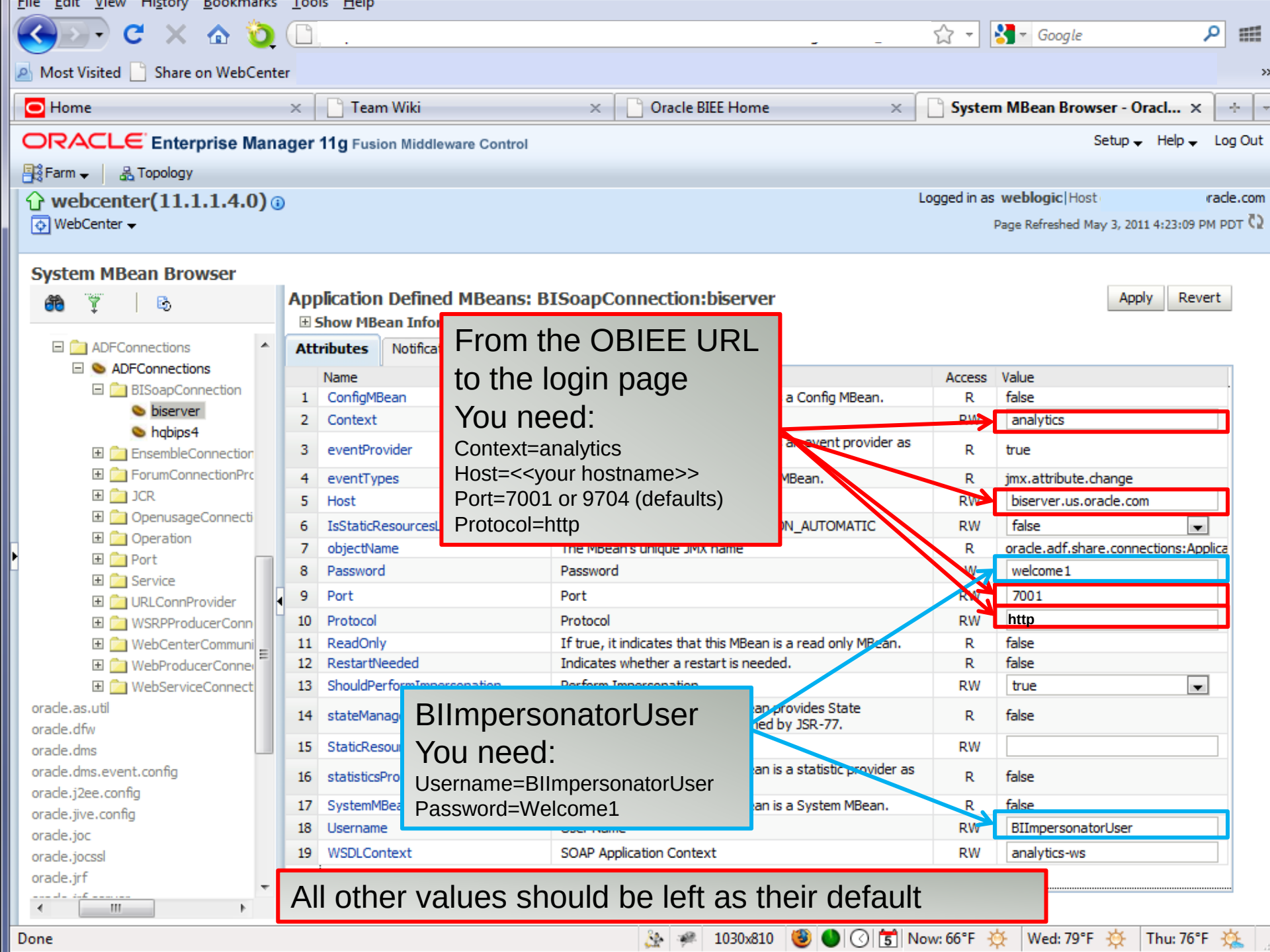
Show MBean Information

Attributes | Operations | Notifications

	Name	Description	Access	Value
1	ConfigMBean	If true, it indicates that this MBean is a Config MBean.	R	false
2	ConnectionChildMBeans	Get list of child Mbeans	R	oracle.adf.share.connections:Loca
			R	ADFBCServiceConnection BAMConr
			R	true
			R	jmx.attribute.change
			R	oracle.adf.share.connections:Appli
			R	false
			R	false
9	stateManageable	If true, it indicates that this MBean provides State Management capabilities as defined by JSR-77.	R	false
10	statisticsProvider	If true, it indicates that this MBean is a statistic provider as defined by JSR-77.	R	false
11	SystemMBean	If true, it indicates that this MBean is a System MBean.	R	false

- Our connection is here under the new tree node, 'BISoapConnection'
- Now we need to define it. Click on it to open the attributes.

Done 1017x754 Now: 66°F Wed: 79°F Thu: 76°F


From the OBIEE URL to the login page
You need:
Context=analytics
Host=<<your hostname>>
Port=7001 or 9704 (defaults)
Protocol=http
BIImpersonatorUser
You need:
Username=BIImpersonatorUser
Password=Welcome1
All other values should be left as their default
System MBean Browser
Application Defined MBeans: BISoapConnection:biserver
Apply
Revert
Attributes
Name
Access
Value
1 ConfigMBean R false
2 Context RW analytics
3 eventProvider R true
4 eventTypes R jmx.attribute.change
5 Host RW biserver.us.oracle.com
6 IsStaticResourcesL RW false
7 objectName R oracle.adf.share.connections:Applica
8 Password Password RW welcome1
9 Port Port RW 7001
10 Protocol Protocol RW http
11 ReadOnly If true, it indicates that this MBean is a read only MBean. R false
12 RestartNeeded Indicates whether a restart is needed. R false
13 ShouldPerformImpersonation RW true
14 stateManag R false
15 StaticResou RW
16 statisticsPro R false
17 SystemMBea R false
18 Username RW BIImpersonatorUser
19 WSDLContext SOAP Application Context RW analytics-ws
ADFConnections
BISoapConnection
biserver
hqbips4
oracle.as.util
oracle.dfw
oracle.dms
oracle.dms.event.config
oracle.j2ee.config
oracle.jive.config
oracle.joc
oracle.jocssl
oracle.jrf
Enterprise Manager 11g Fusion Middleware Control
webcenter(11.1.1.4.0)
Logged in as weblogic
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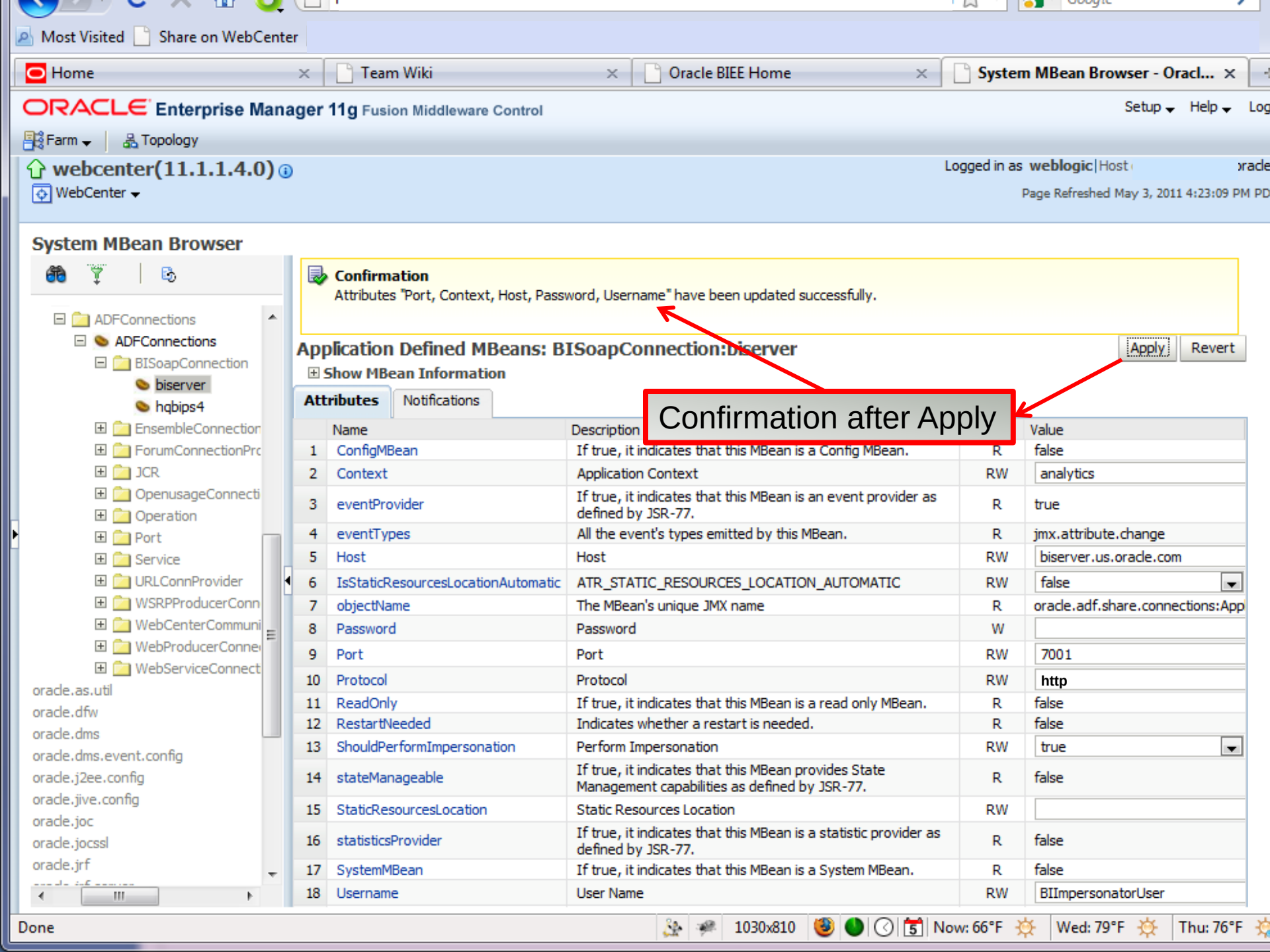
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ADFConnections
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JCR
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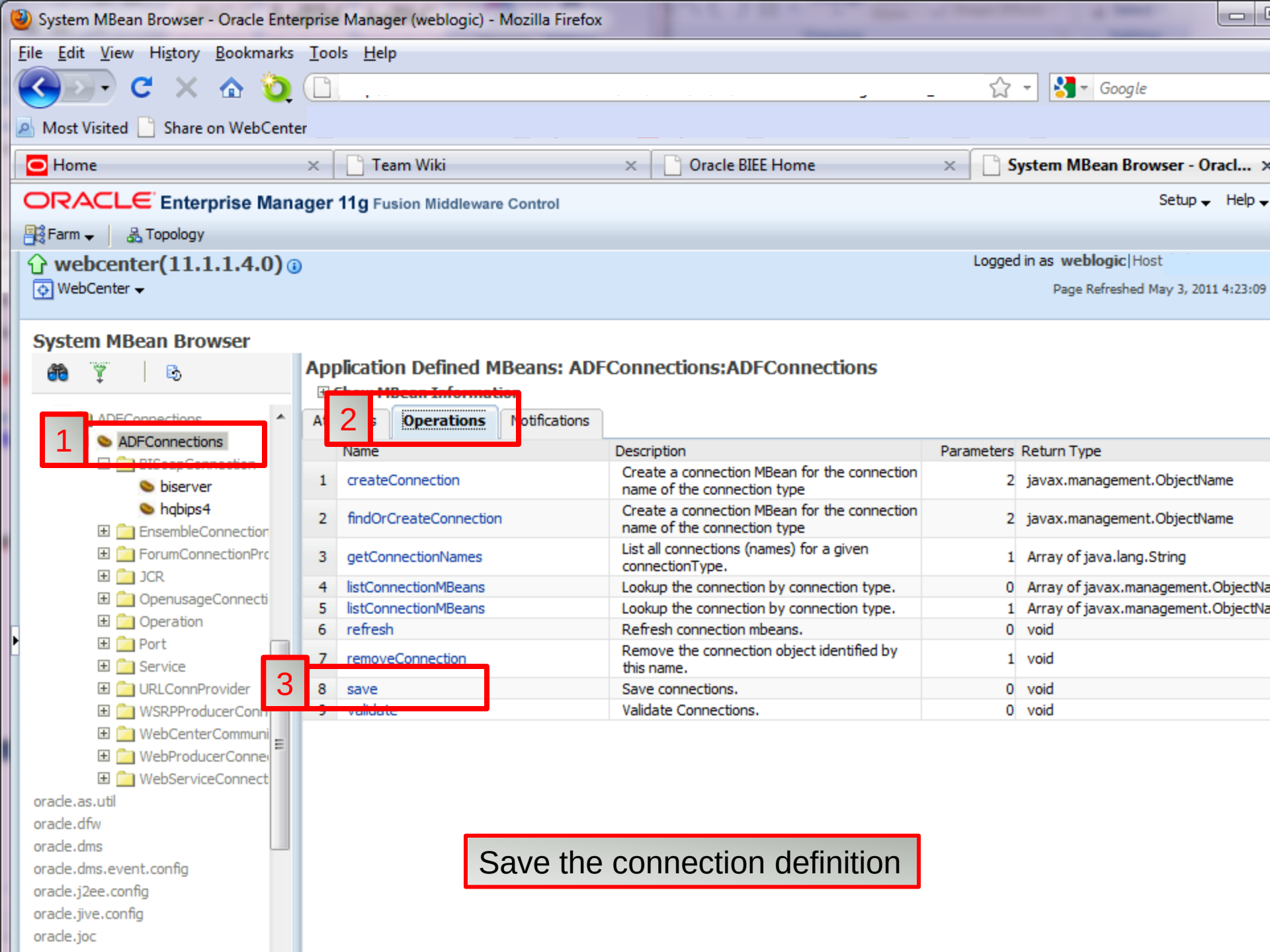
Operation
Port
Service
URLConnProvider
WSRPProducerConn
WebCenterCommuni
WebProducerConne
WebServiceConnect
oracle.as.util
oracle.dfw
oracle.dms
oracle.dms.event.config
oracle.j2ee.config
oracle.jive.config
oracle.joc
oracle.jocssl
oracle.jrf
Confirmation
Attributes "Port, Context, Host, Password, Username" have been updated successfully.
Application Defined MBeans: BISoapConnection:biserver
Apply
Revert
Show MBean Information
Attributes
Notifications
Confirmation after Apply
Name
Description
Value
1 ConfigMBean If true, it indicates that this MBean is a Config MBean. R false
2 Context Application Context RW analytics
3 eventProvider If true, it indicates that this MBean is an event provider as defined by JSR-77. R true
4 eventTypes All the event's types emitted by this MBean. R jmx.attribute.change
5 Host Host RW biserver.us.oracle.com
6 IsStaticResourcesLocationAutomatic ATR_STATIC_RESOURCES_LOCATION_AUTOMATIC RW false
7 objectName The MBean's unique JMX name R oracle.adf.share.connections:App
8 Password Password W
9 Port Port RW 7001
10 Protocol Protocol RW http
11 ReadOnly If true, it indicates that this MBean is a read only MBean. R false
12 RestartNeeded Indicates whether a restart is needed. R false
13 ShouldPerformImpersonation Perform Impersonation RW true
14 stateManageable If true, it indicates that this MBean provides State Management capabilities as defined by JSR-77. R false
15 StaticResourcesLocation Static Resources Location RW
16 statisticsProvider If true, it indicates that this MBean is a statistic provider as defined by JSR-77. R false
17 SystemMBean If true, it indicates that this MBean is a System MBean. R false
18 Username User Name RW BIImpersonatorUser
Done
1030x810
Now: 66°F
Wed: 79°F
Thu: 76°F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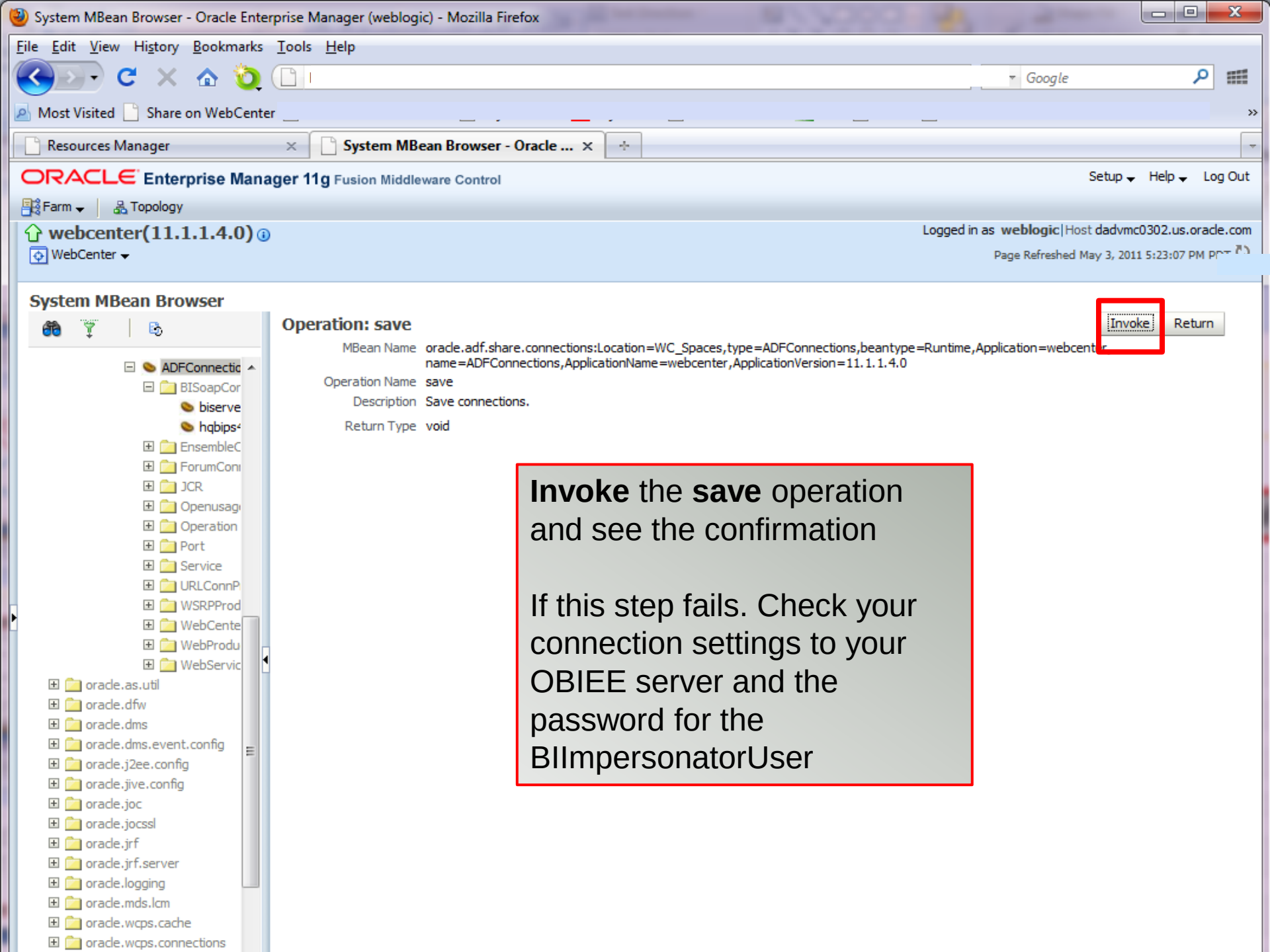
EnsembleConnectior
ForumConnectionPrc
JCR
OpenusageConnecti
Operation
Port
Service
URLConnProvider
WSRPProducerConn
WebCenterCommuni
WebProducerConne
WebServiceConnect
oracle.as.util
oracle.dfw
oracle.dms
oracle.dms.event.config
oracle.j2ee.config
oracle.jive.config
oracle.joc
Name
Description
Parameters
Return Type
1 createConnection Create a connection MBean for the connection name of the connection type 2 javax.management.ObjectName
2 findOrCreateConnection Create a connection MBean for the connection name of the connection type 2 javax.management.ObjectName
3 getConnectionNames List all connections (names) for a given connectionType. 1 Array of java.lang.String
4 listConnectionMBeans Lookup the connection by connection type. 0 Array of javax.management.ObjectNa
5 listConnectionMBeans Lookup the connection by connection type. 1 Array of javax.management.ObjectNa
6 refresh Refresh connection mbeans. 0 void
7 removeConnection Remove the connection object identified by this name. 1 void
8 save Save connections. 0 void
Validate Connections. 0 void
Save the connection definition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Logged in as weblogic|Host dadvmc0302.us.oracle.com
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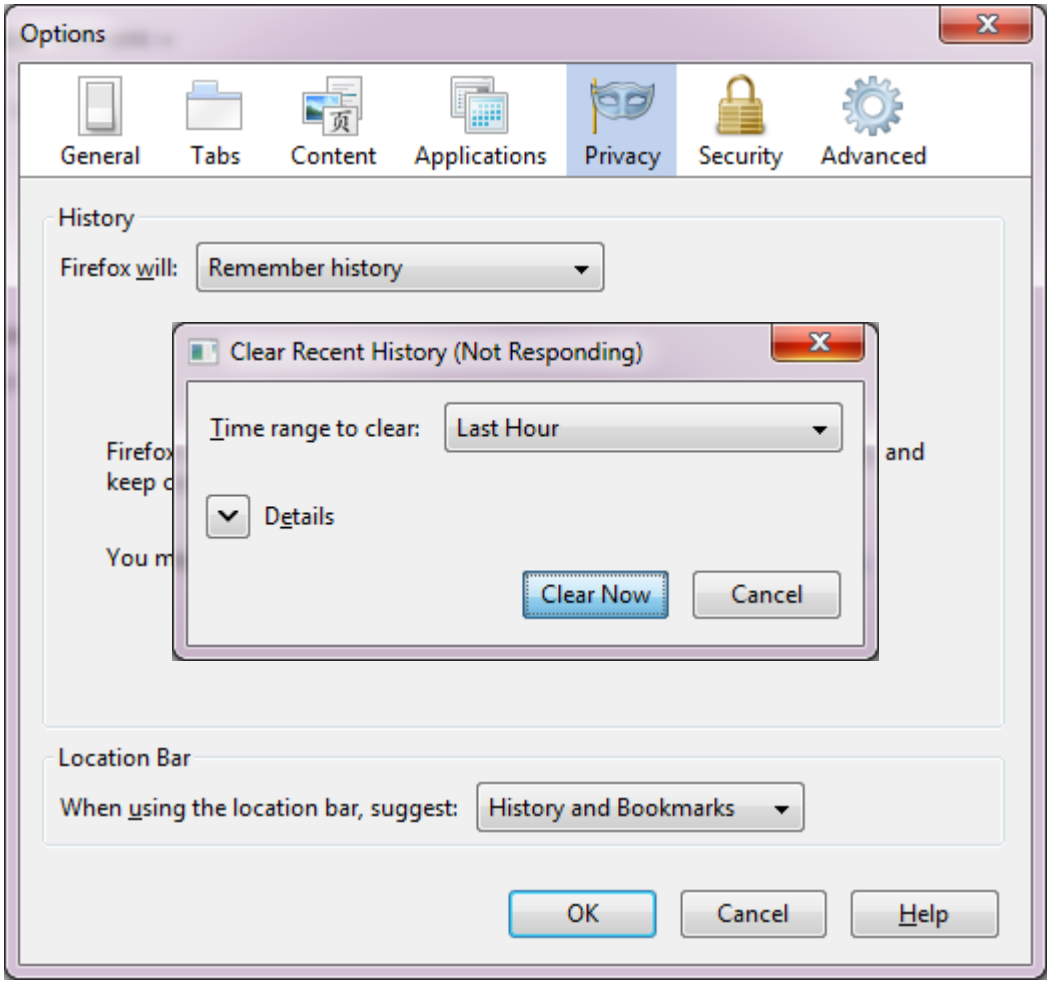
System MBean Browser
Operation: save
Invoke
Return
MBean Name oracle.adf.share.connections:Location=WC_Spaces,type=ADFConnections,beantype=Runtime,Application=webcenter,name=ADFConnections,ApplicationName=webcenter,ApplicationVersion=11.1.1.4.0
Operation Name save
Description Save connections.
Return Type void
ADFConnectic
BISoapCor
biserve
hqbips
EnsembleC
ForumCon
JCR
Openusag
Operation
Port
Service
URLConnP
WSRPProd
WebCente
WebProdu
WebServic
oracle.as.util
oracle.dfw
oracle.dms
oracle.dms.event.config
oracle.j2ee.config
oracle.jive.config
oracle.joc
oracle.jocssl
oracle.jrf
oracle.jrf.server
oracle.logging
oracle.mds.lcm
oracle.wcps.cache
oracle.wcps.connections
Invoke the save operation and see the confirmation
If this step fails. Check your connection settings to your OBIEE server and the password for the BIImpersonatorUser

Step 2:

In WebCenter Spaces, change the Resource Catalog to use the BI Connection to add BI Content

**Clear your browser history first **



Home | WebCenter Welcome Page | Oracle BIEE Home | System MBean Browser - Oracle E...

ORACLE WebCenter

Change Language | He

Welcome | Public Spaces

Log in to WebCenter Spaces

User Name

weblogic

Password

••••••••

Login

Work Together

more effectively to increase everyone's productivity

Oracle WebCenter Spaces: Where individuals and groups come together. Work more effectively and keep everyone in the loop with intuitive tools that help you discuss, share, and manage information with just the right portlets, business applications, and Web 2.0 services.

Spaces
Focus on a common problem or interest by sharing content, discussing ideas, and keeping track of group events.
Learn more

Web 2.0 Services
Take advantage of tools that help you organize and find content, collaborate with others, and bring all your applications together in one place.
Learn more

Social Networking
Find, connect, communicate, and collaborate with people.
Learn more

Page Creation
Create personal and role-based pages for publishing, sharing, and reuse.
Learn more

- Login as a Spaces Administrator
- This user does not have to be in the OBIEE user pool. Look out for notes on this in later slides

Composer
Get creative with your pages by adding, arranging, and managing content and components.
Learn more

Manage your personal content, keep up with mail, and create notes to help you stay organized.
Learn more

Enterprise Application Integration
Interact with Oracle Fusion Applications and Applications Unlimited within WebCenter Spaces.
Learn more

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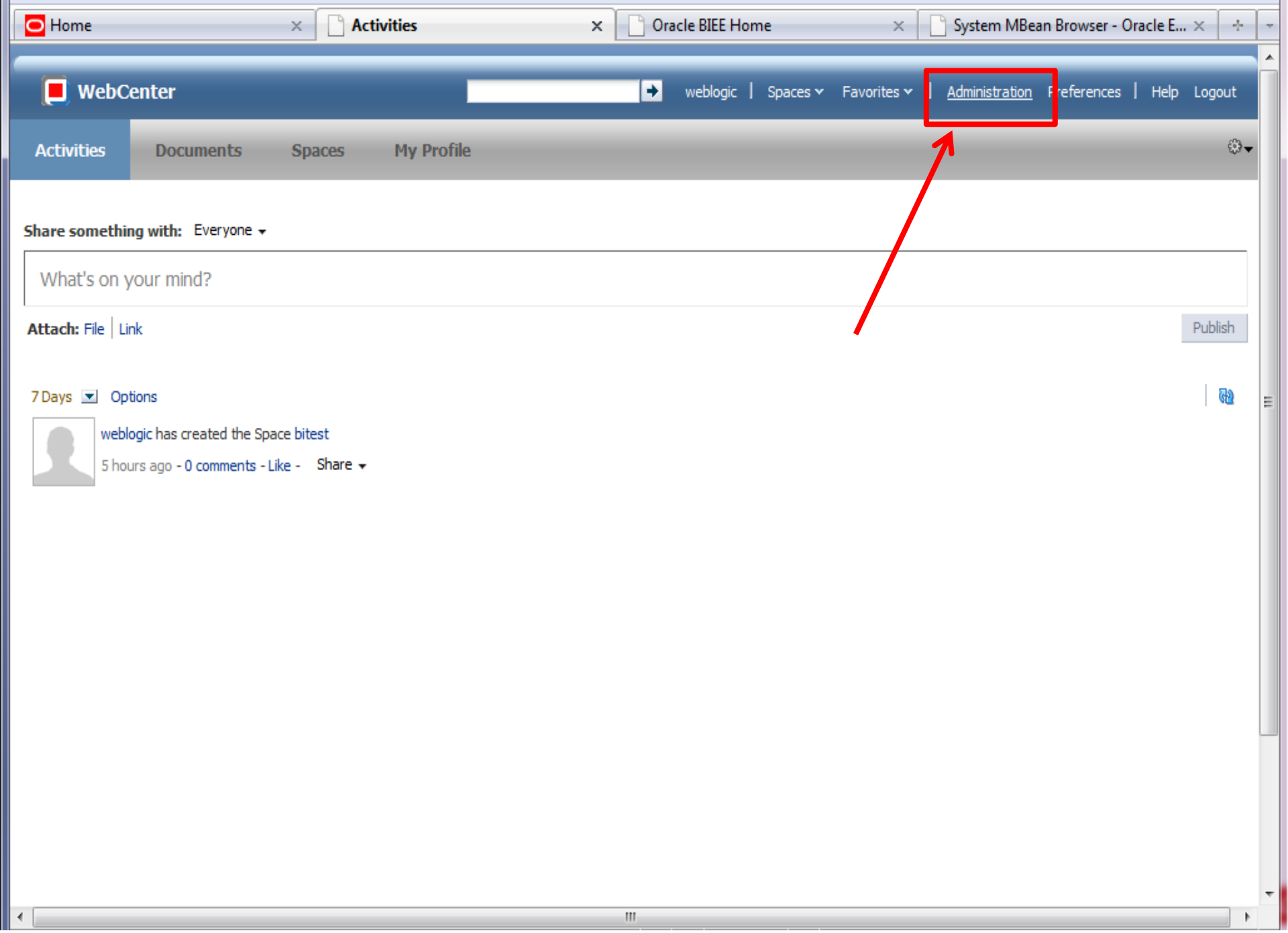
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Activities
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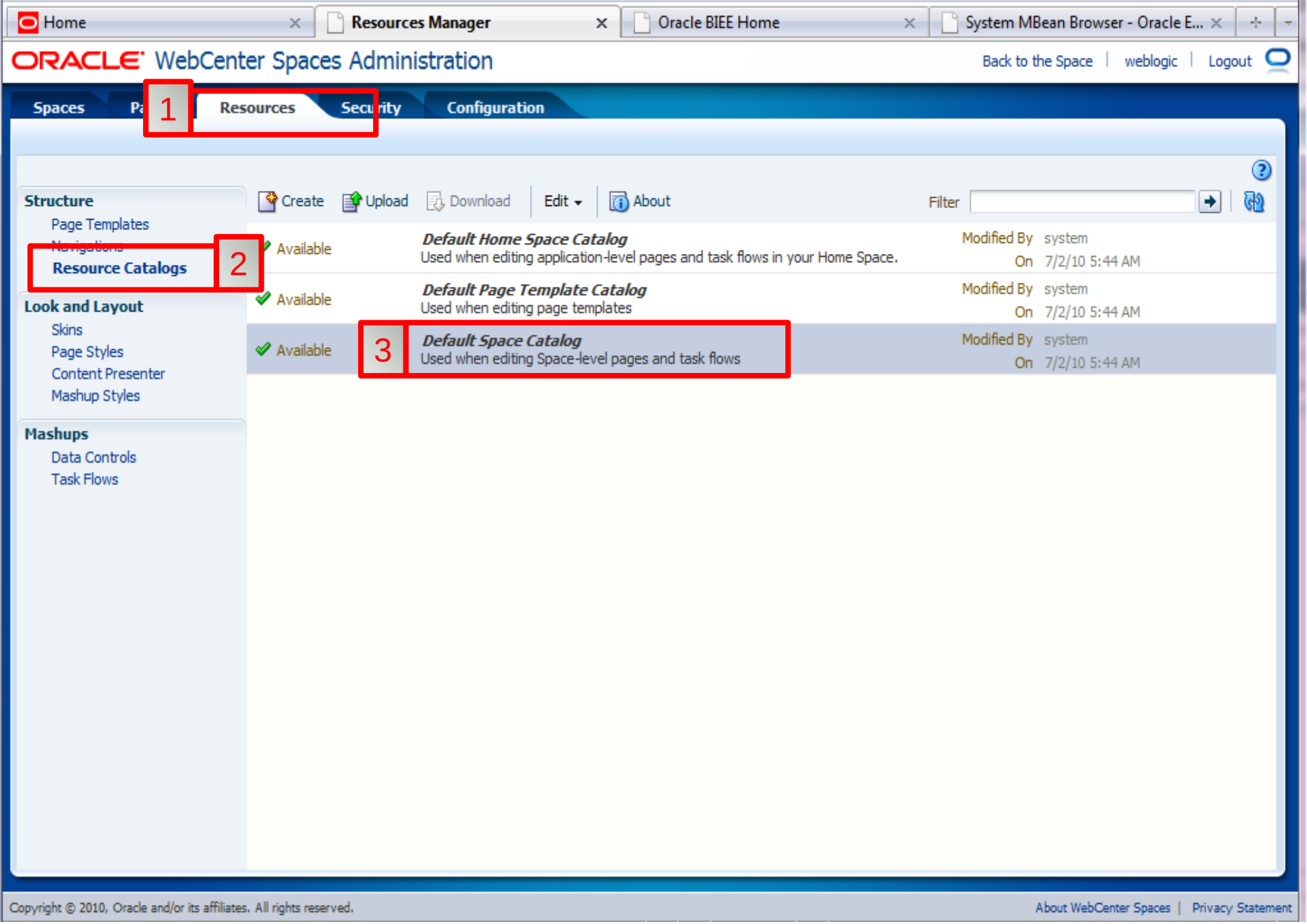
weblogic | Spaces | Favorites | Administration | Preferences | Help | Logout
Activities
Documents
Spaces
My Profile
Share something with: Everyone
What's on your mind?
Attach: File | Link
Publish
7 Days Options
weblogic has created the Space bitest
5 hours ago - 0 comments - Like - Share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Resources Manager
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Filter
Available
Default Home Space Catalog
Used when editing application-level pages and task flows in your Home Space.
Modified By system
On 7/2/10 5:44 AM
Available
Default Page Template Catalog
Used when editing page templates
Modified By system
On 7/2/10 5:44 AM
Available
3
Default Space Catalog
Used when editing Space-level pages and task flows
Modified By system
On 7/2/10 5:44 AM
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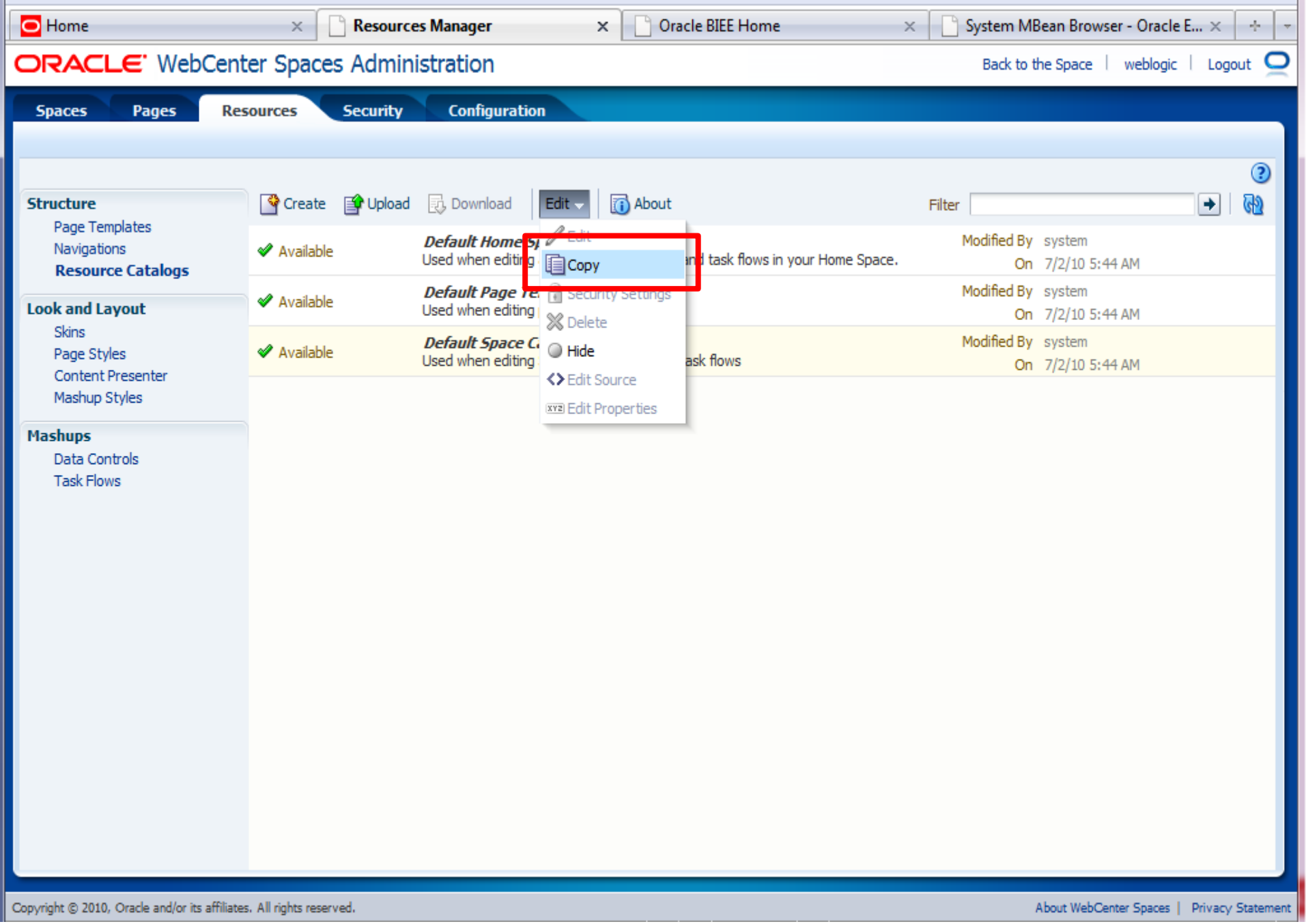
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Hide
Edit Source
Edit Properties
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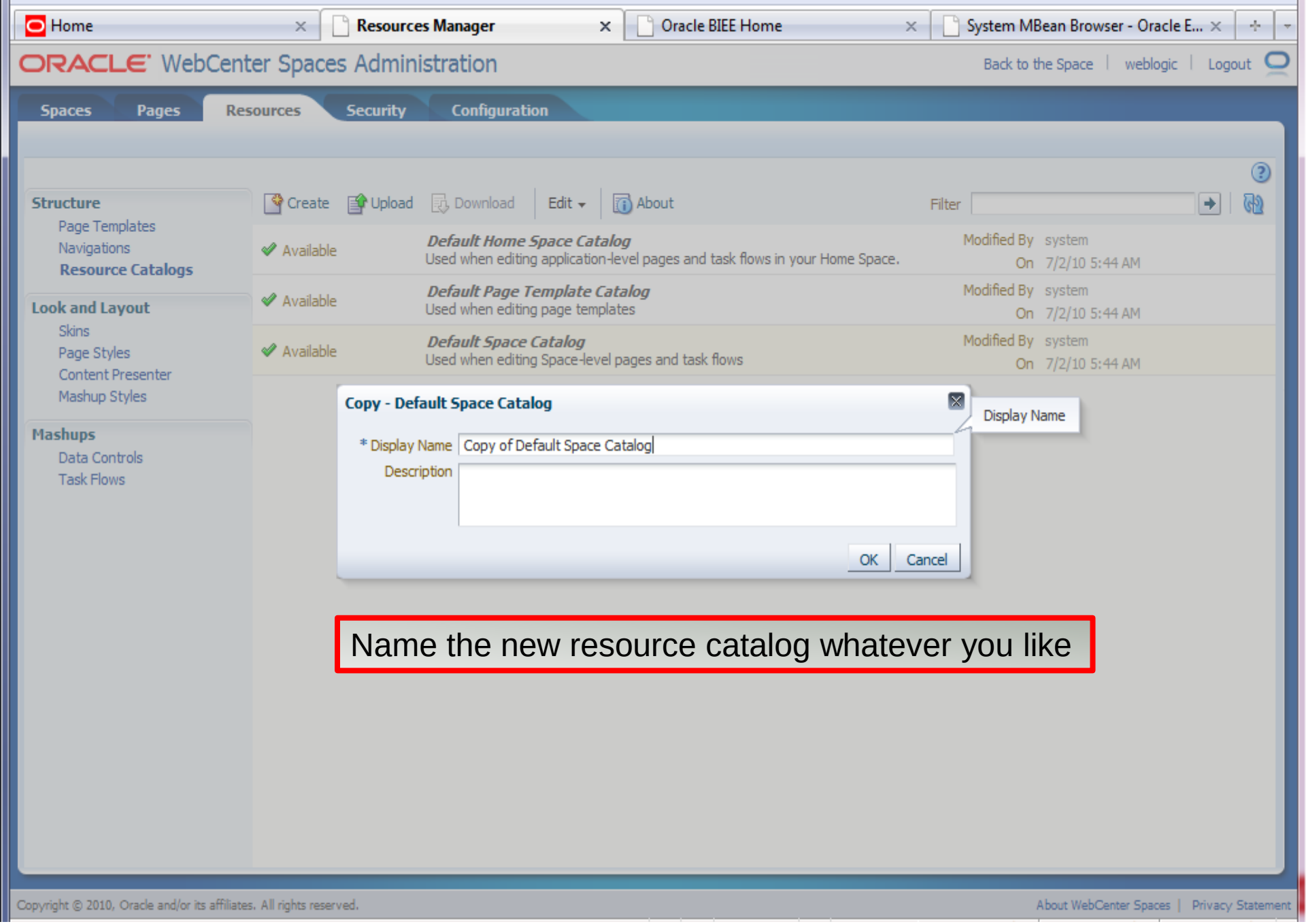
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Available
Default Page Template Catalog
Used when editing page templates
Modified By system
On 7/2/10 5:44 AM
Available
Default Space Catalog
Used when editing Space-level pages and task flows
Modified By system
On 7/2/10 5:44 AM
Copy - Default Space Catalog
Display Name
* Display Name
Copy of Default Space Catalog
Description
OK
Cancel
Name the new resource catalog whatever you like
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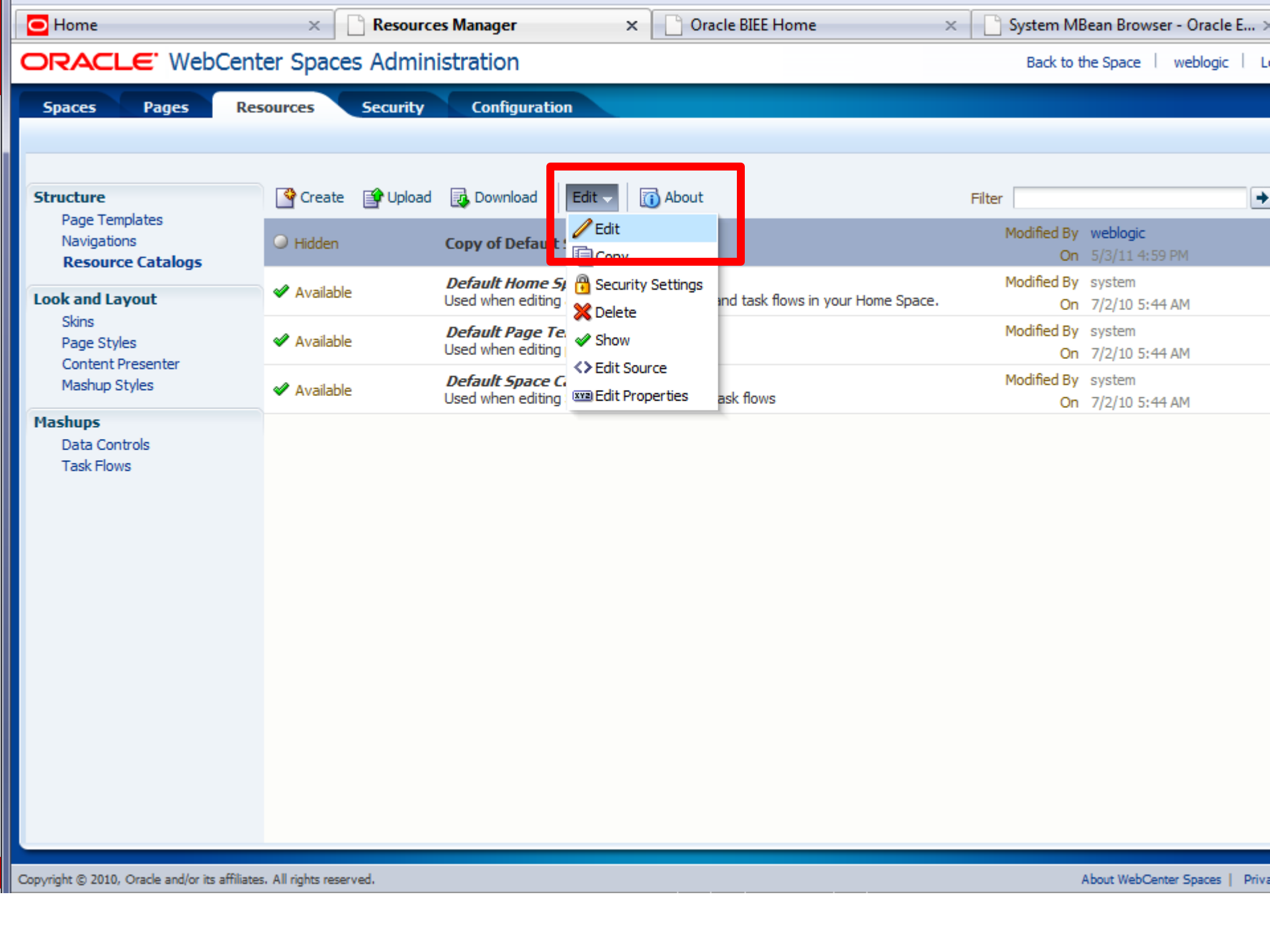
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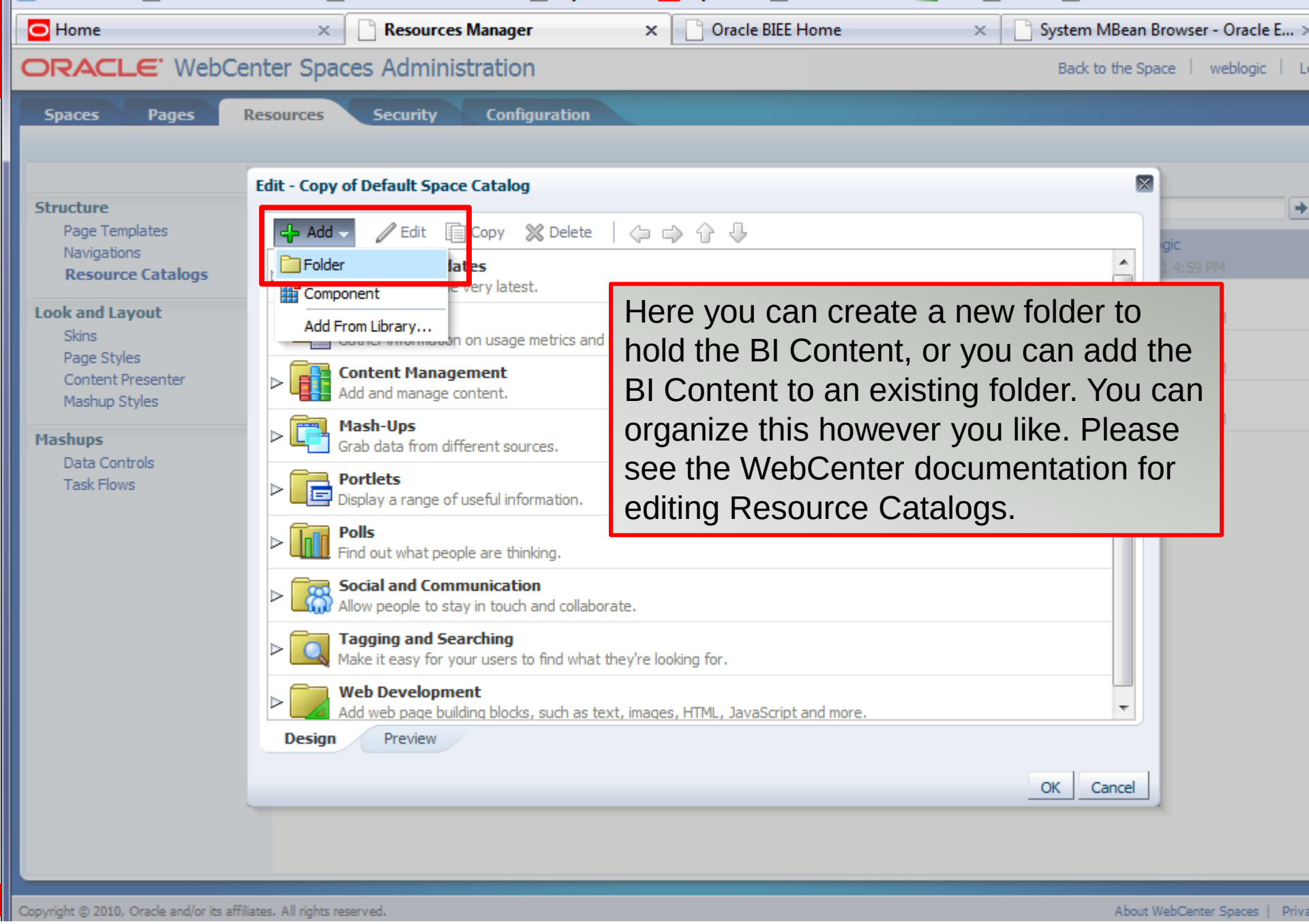
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Edit - Copy of Default Space Catalog
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Edit
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Add From Library...
Content Management
Add and manage content.
Mash-Ups
Grab data from different sources.
Portlets
Display a range of useful information.
Polls
Find out what people are thinking.
Social and Communication
Allow people to stay in touch and collaborate.
Tagging and Searching
Make it easy for your users to find what they're looking for.
Web Development
Add web page building blocks, such as text, images, HTML, JavaScript and more.
Design
Preview
OK
Cancel
Here you can create a new folder to hold the BI Content, or you can add the BI Content to an existing folder. You can organize this however you like. Please see the WebCenter documentation for editing Resource Catalogs.
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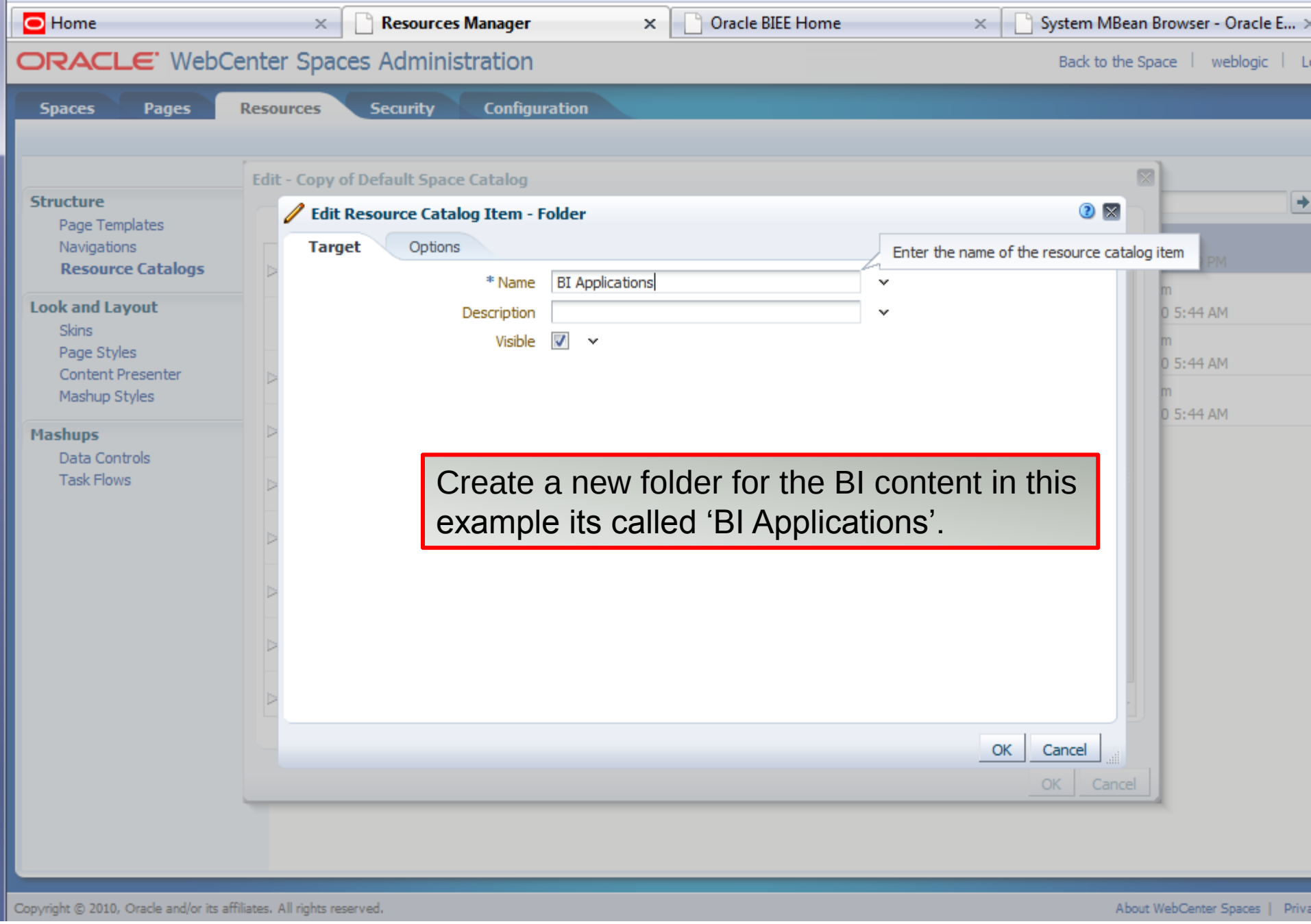
About WebCenter Spaces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Data Controls
Task Flows
Edit Resource Catalog Item - Folder
Target
Options
Enter the name of the resource catalog item
* Name
BI Applications
Description
Visible
Create a new folder for the BI content in this example its called 'BI Applications'.
OK
Cancel
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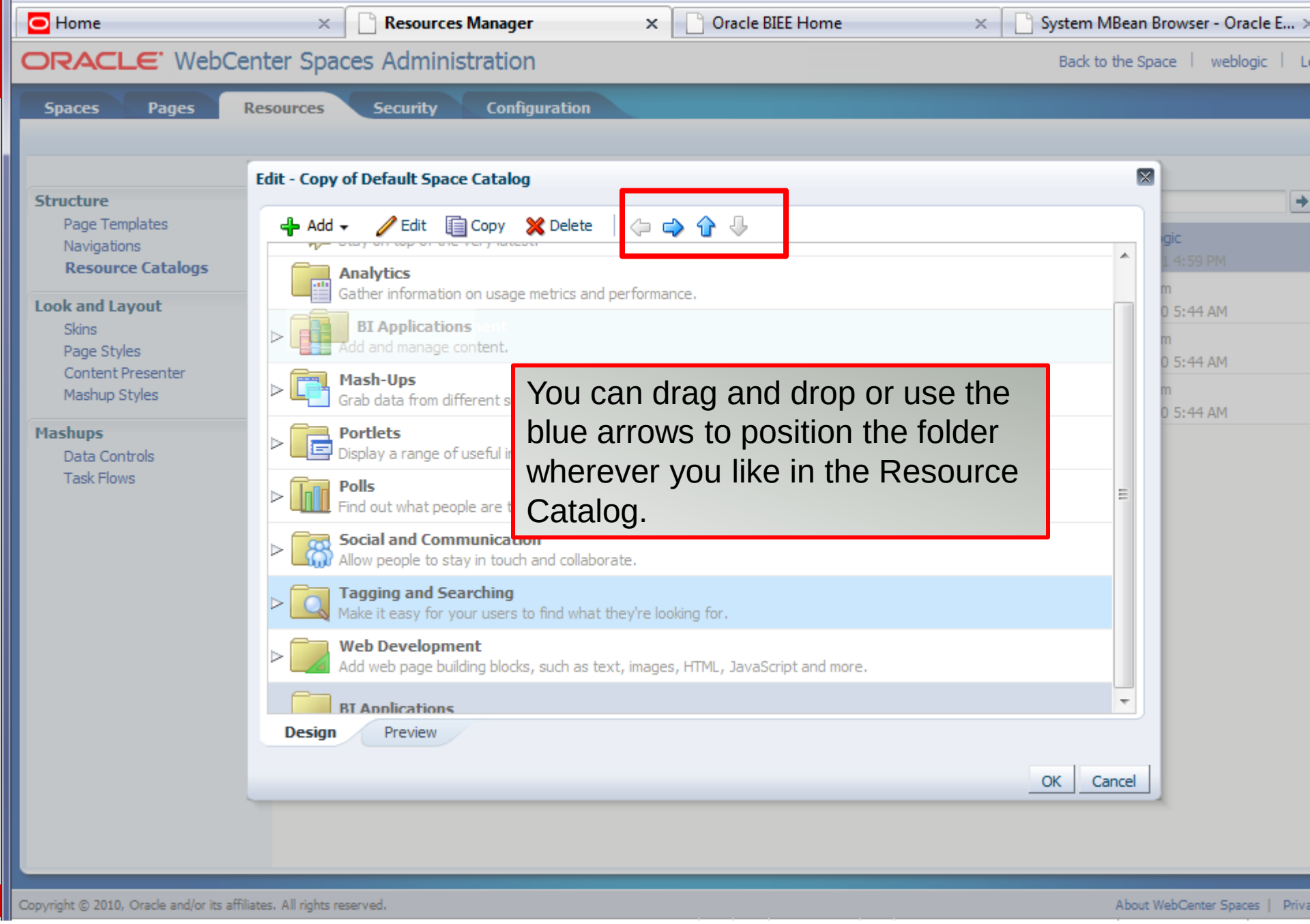
About WebCenter Spaces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Add
Edit
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Delete
Analytics
Gather information on usage metrics and performance.
BI Applications
Add and manage content.
Mash-Ups
Portlets
Polls
Social and Communication
Allow people to stay in touch and collaborate.
Tagging and Searching
Make it easy for your users to find what they're looking for.
Web Development
Add web page building blocks, such as text, images, HTML, JavaScript and more.
BI Applications
Design
Preview
OK
Cancel
You can drag and drop or use the blue arrows to position the folder wherever you like in the Resource Catalog.
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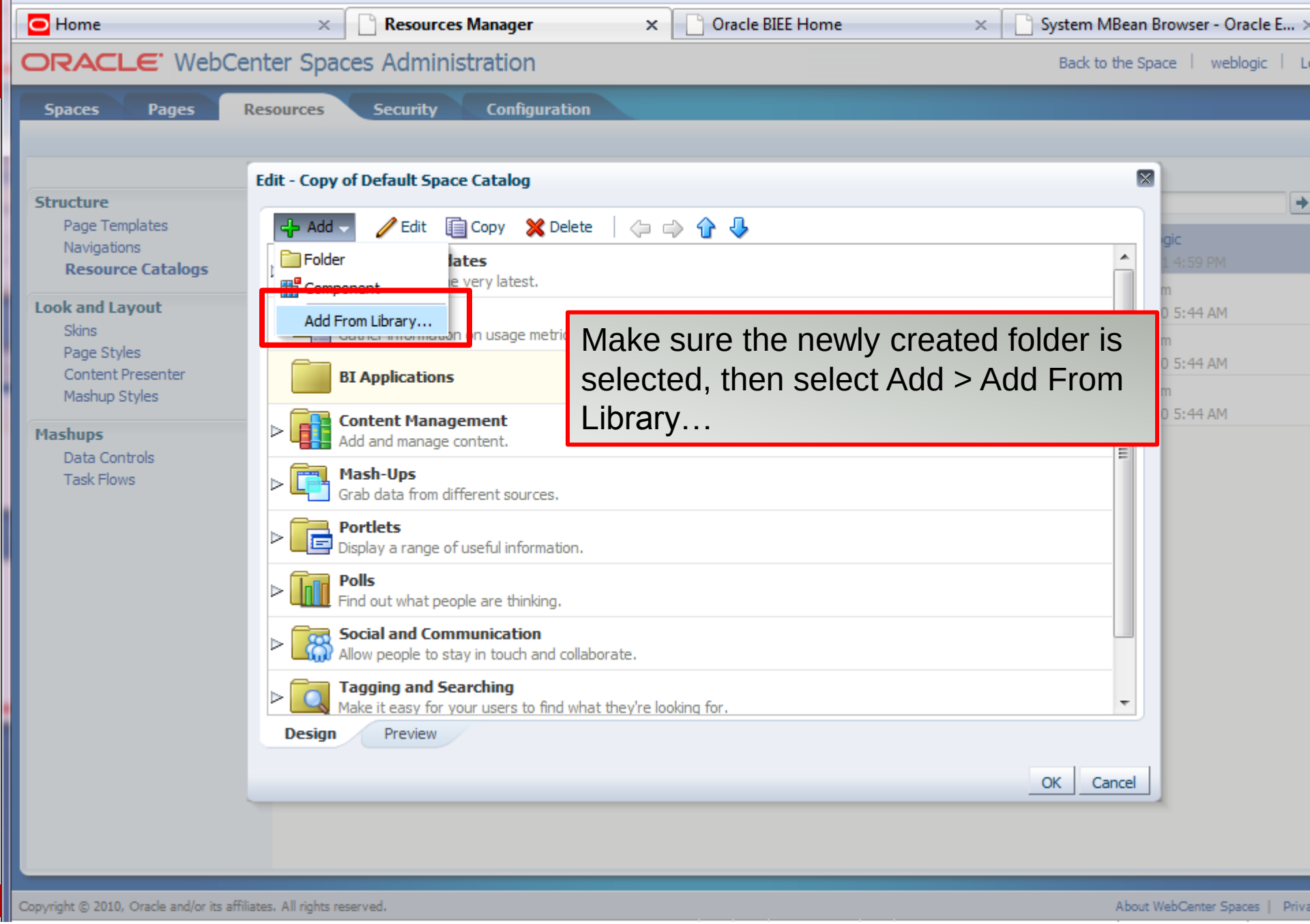
About WebCenter Spaces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Add and manage content.
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Grab data from different sources.
Portlets
Display a range of useful information.
Polls
Find out what people are thinking.
Social and Communication
Allow people to stay in touch and collaborate.
Tagging and Searching
Make it easy for your users to find what they're looking for.
Design
Preview
OK
Cancel
Make sure the newly created folder is selected, then select Add > Add From Library…
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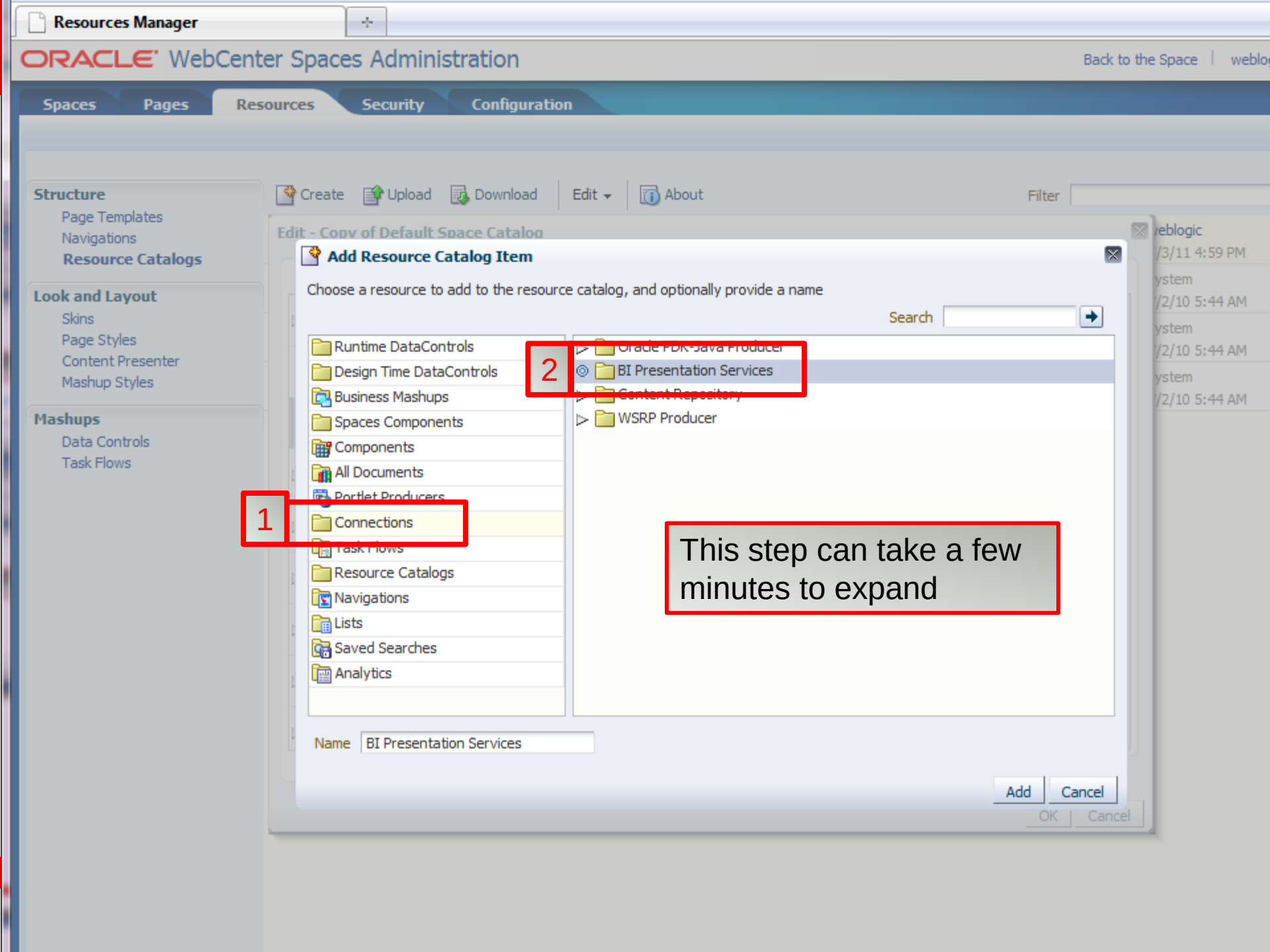
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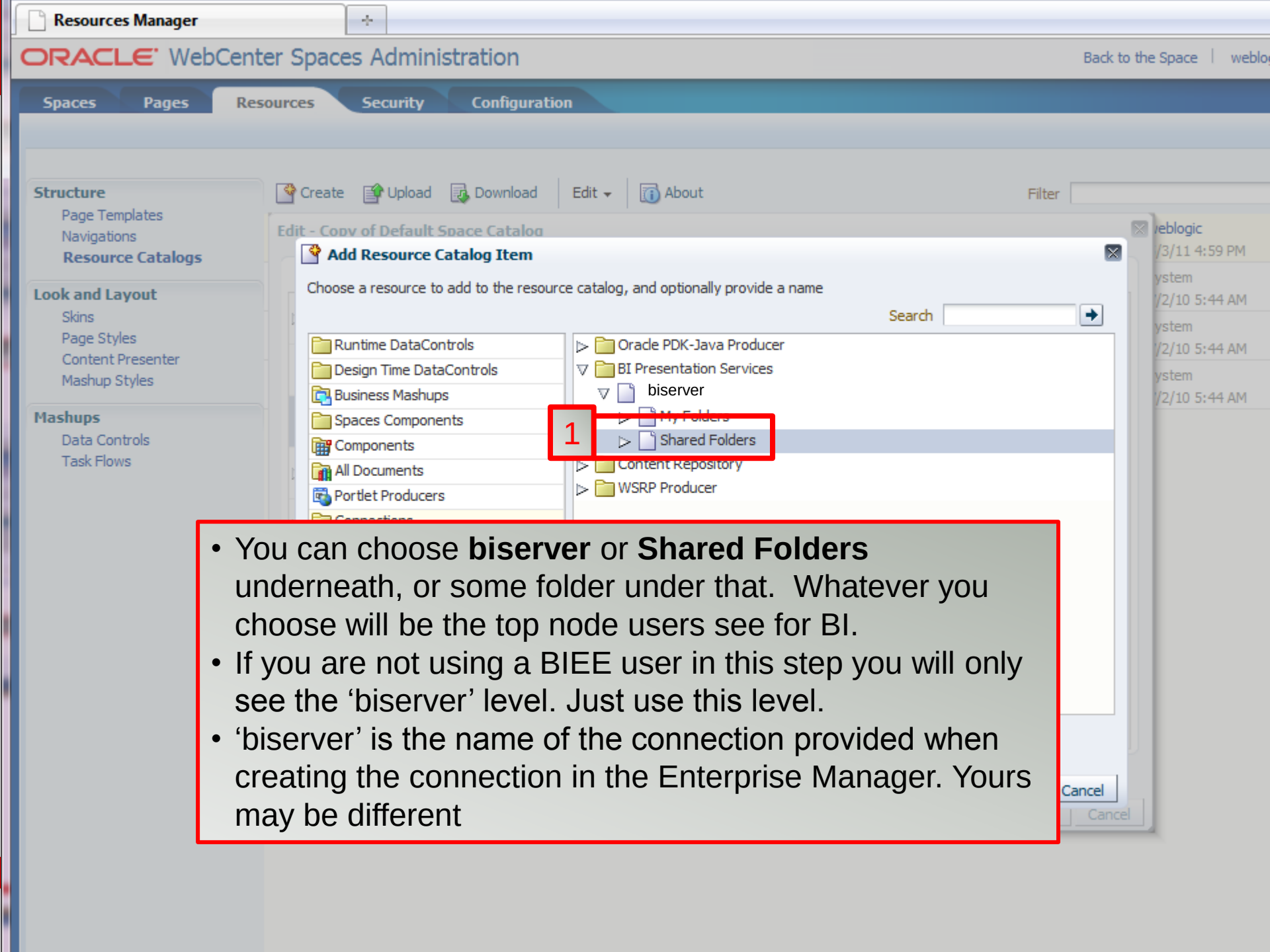
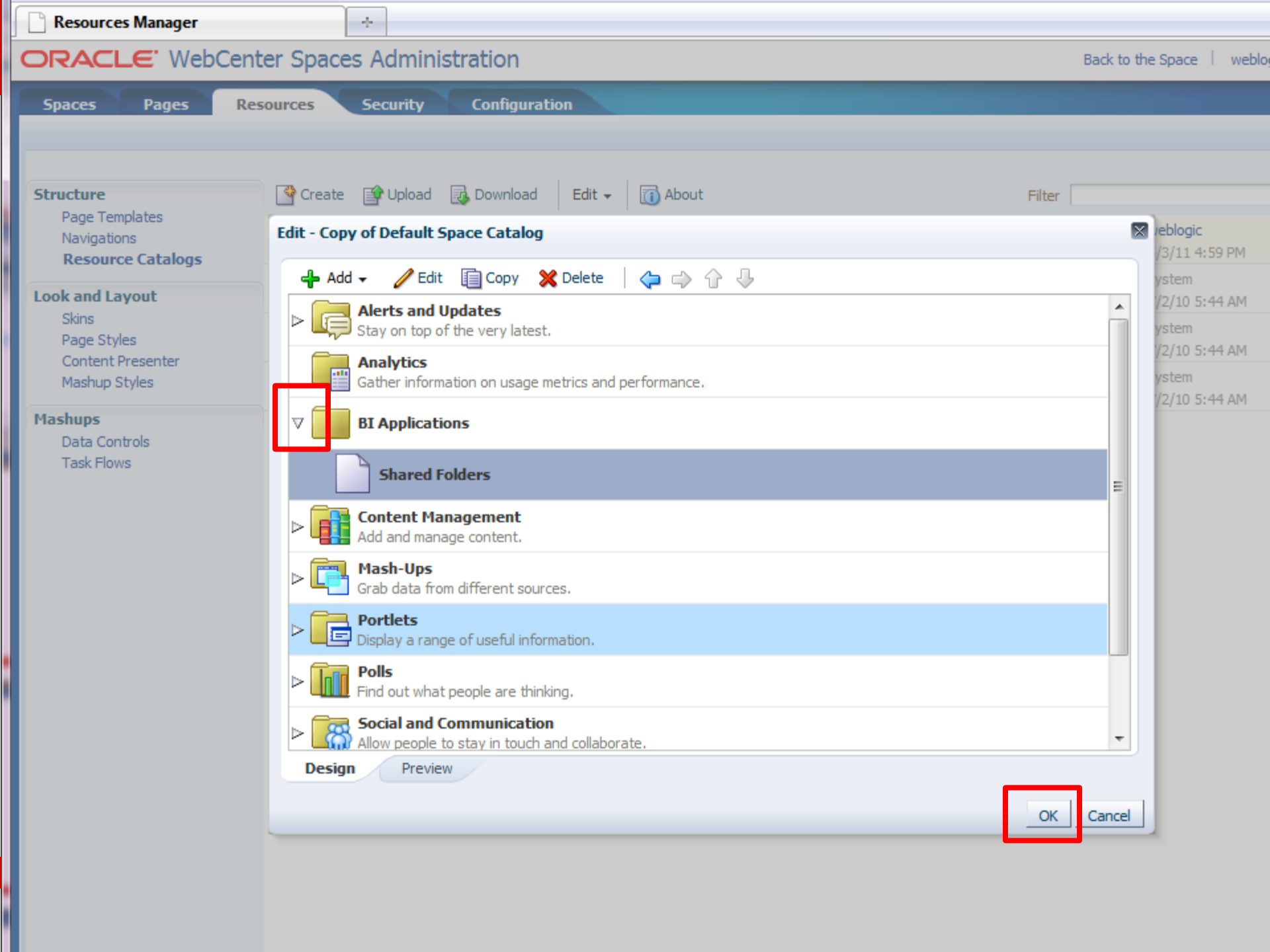
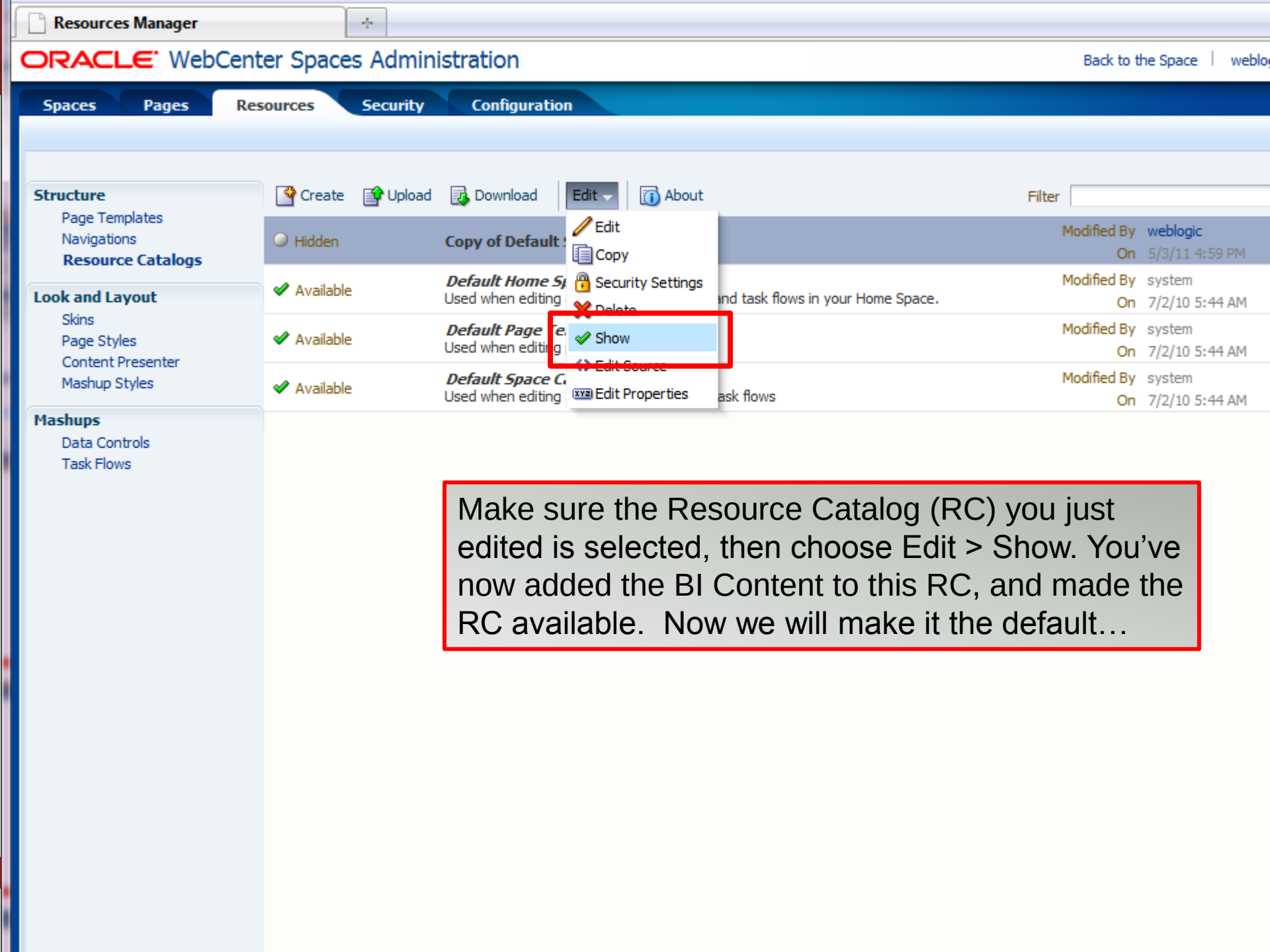
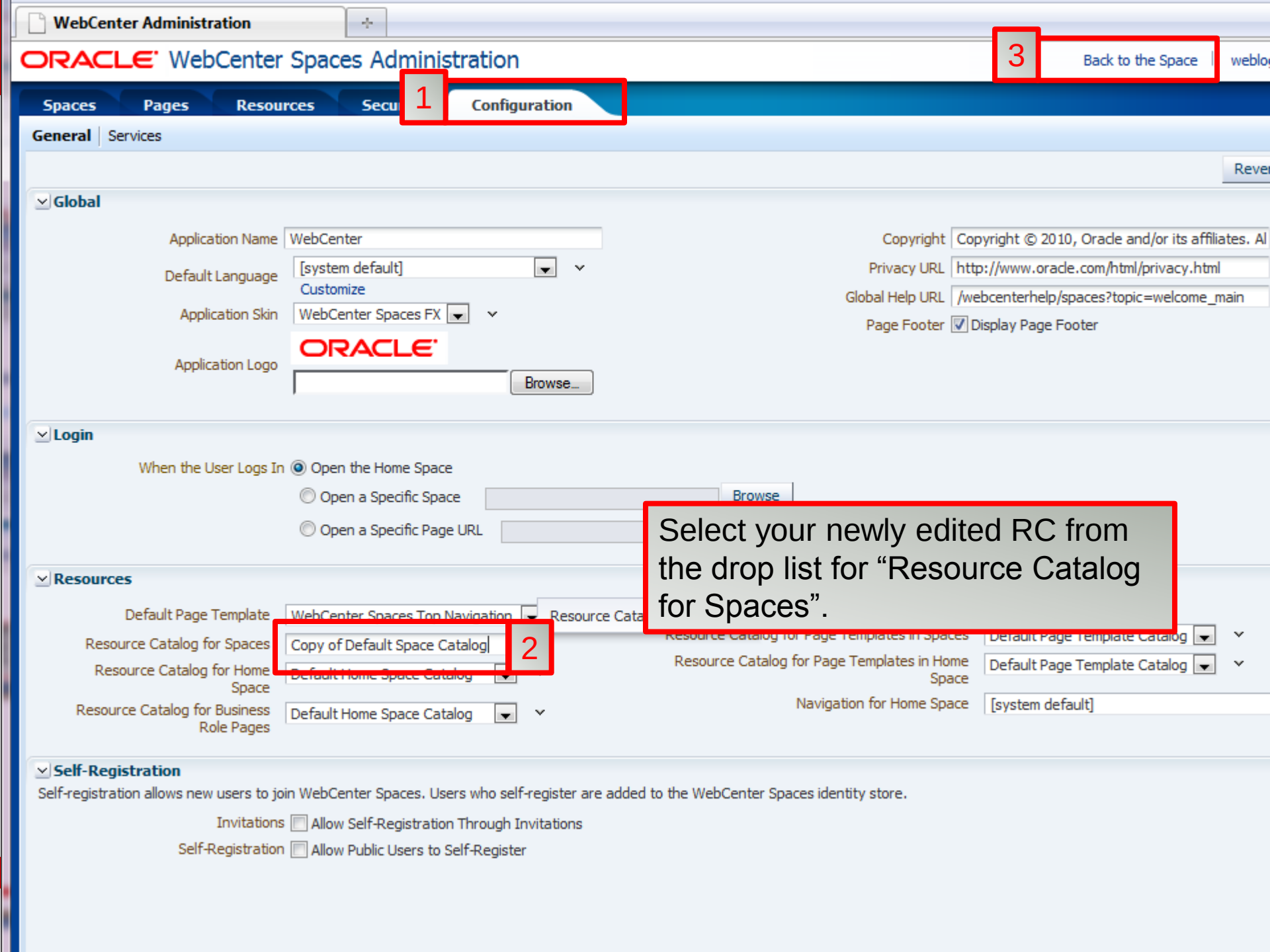
Download
Edit
About
Filter
Add Resource Catalog Item
Choose a resource to add to the resource catalog, and optionally provide a name
Search
Runtime DataControls
Design Time DataControls
Business Mashups
Spaces Components
Components
All Documents
Connections
Resource Catalogs
Navigations
Lists
Saved Searches
Analytics
BI Presentation Services
WSRP Producer
1
2
This step can take a few minutes to expand
Name
BI Presentation Services
Add
Cancel
OK
Cancel



- You can choose **biserver** or **Shared Folders** underneath, or some folder under that. Whatever you choose will be the top node users see for BI.
- If you are not using a BIEE user in this step you will only see the 'biserver' level. Just use this level.
- 'biserver' is the name of the connection provided when creating the connection in the Enterprise Manager. Yours may be different

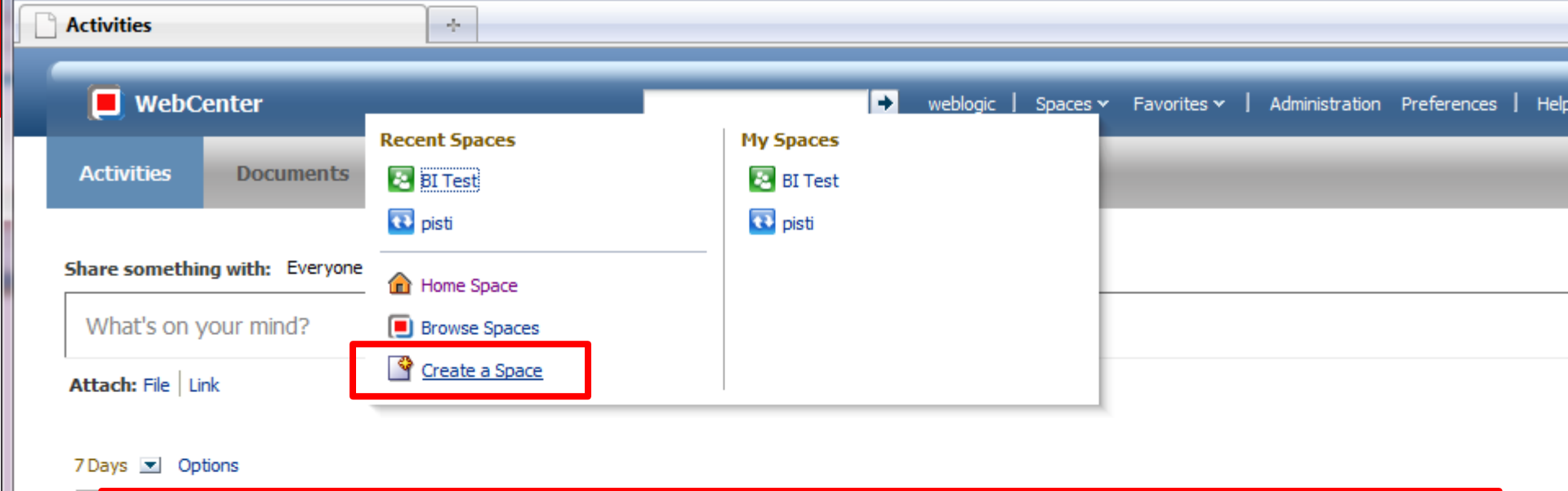

Resources Manager
ORACLE WebCenter Spaces Administration
Back to the Space
Spaces
Pages
Resources
Security
Configuration
Structure
Page Templates
Navigations
Resource Catalogs
Look and Layout
Skins
Page Styles
Content Presenter
Mashup Styles
Mashups
Data Controls
Task Flows
Create
Upload
Download
Edit
About
Filter
Edit - Copy of Default Space Catalog
Add
Edit
Copy
Delete
Alerts and Updates
Stay on top of the very latest.
Analytics
Gather information on usage metrics and performance.
BI Applications
Shared Folders
Content Management
Add and manage content.
Mash-Ups
Grab data from different sources.
Portlets
Display a range of useful information.
Polls
Find out what people are thinking.
Social and Communication
Allow people to stay in touch and collaborate.
Design
Preview
OK
Cancel


Resources Manager
ORACLE WebCenter Spaces Administration
Back to the Space
Spaces
Pages
Resources
Security
Configuration
Structure
Page Templates
Navigations
Resource Catalogs
Look and Layout
Skins
Page Styles
Content Presenter
Mashup Styles
Mashups
Data Controls
Task Flows
Create
Upload
Download
Edit
About
Filter
Edit
Copy
Security Settings
Delete
Show
Edit Source
Edit Properties
Hidden
Copy of Default
Modified By weblogic
On 5/3/11 4:59 PM
Available
Default Home Sp
Used when editing
nd task flows in your Home Space.
Modified By system
On 7/2/10 5:44 AM
Available
Default Page Te
Used when editing
Modified By system
On 7/2/10 5:44 AM
Available
Default Space C
Used when editing
ask flows
Modified By system
On 7/2/10 5:44 AM
Make sure the Resource Catalog (RC) you just edited is selected, then choose Edit > Show. You've now added the BI Content to this RC, and made the RC available. Now we will make it the default…

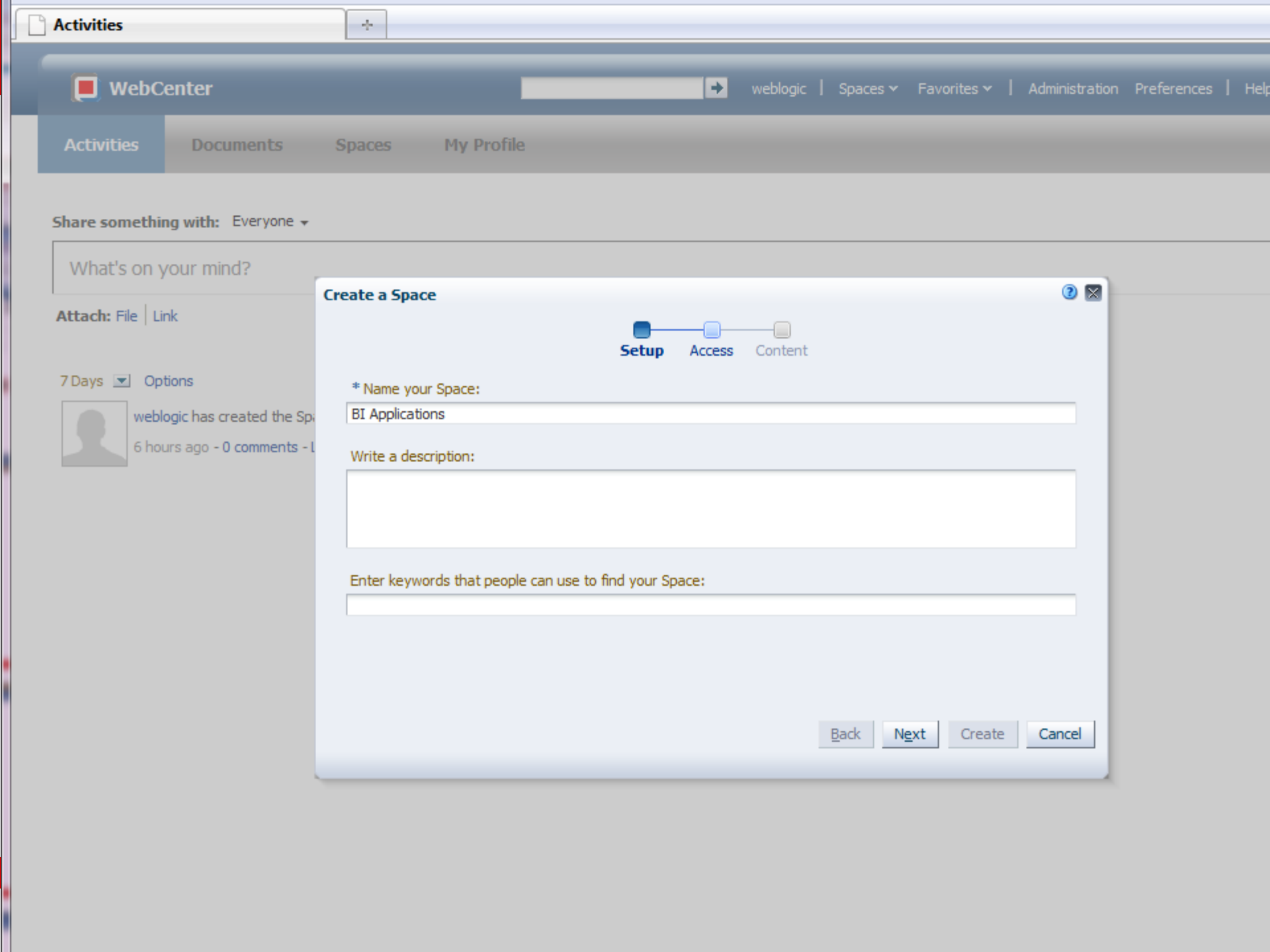

WebCenter Administration
ORACLE WebCenter Spaces Administration
3
Back to the Space
Spaces
Pages
Resources
Configuration
1
General
Services
Global
Application Name
WebCenter
Default Language
[system default]
Customize
Application Skin
WebCenter Spaces FX
Application Logo
Browse...
Copyright
Copyright © 2010, Oracle and/or its affiliates. Al
Privacy URL
http://www.oracle.com/html/privacy.html
Global Help URL
/webcenterhelp/spaces?topic=welcome_main
Page Footer
Display Page Footer
Login
When the User Logs In
Open the Home Space
Open a Specific Space
Browse
Open a Specific Page URL
Select your newly edited RC from the drop list for “Resource Catalog for Spaces”.
Resources
Default Page Template
Resource Catalog for Spaces
Copy of Default Space Catalog
2
Resource Catalog for Home Space
Resource Catalog for Business Role Pages
Default Home Space Catalog
Resource Catalog for Page Templates in Home Space
Default Page Template Catalog
Navigation for Home Space
[system default]
Self-Registration
Self-registration allows new users to join WebCenter Spaces. Users who self-register are added to the WebCenter Spaces identity store.
Invitations
Allow Self-Registration Through Invitations
Self-Registration
Allow Public Users to Self-Register

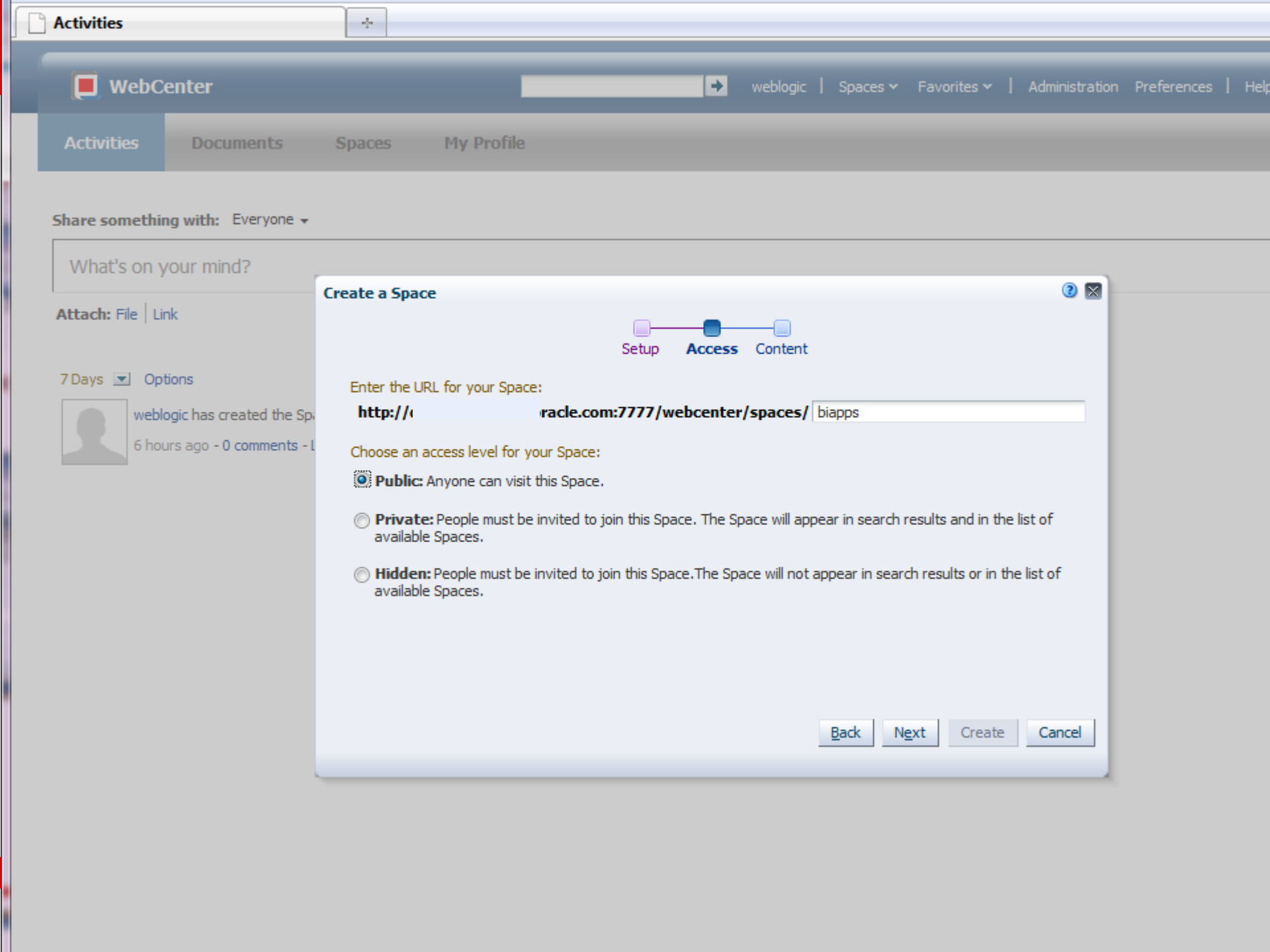
Step 3:
Add BI content to pages

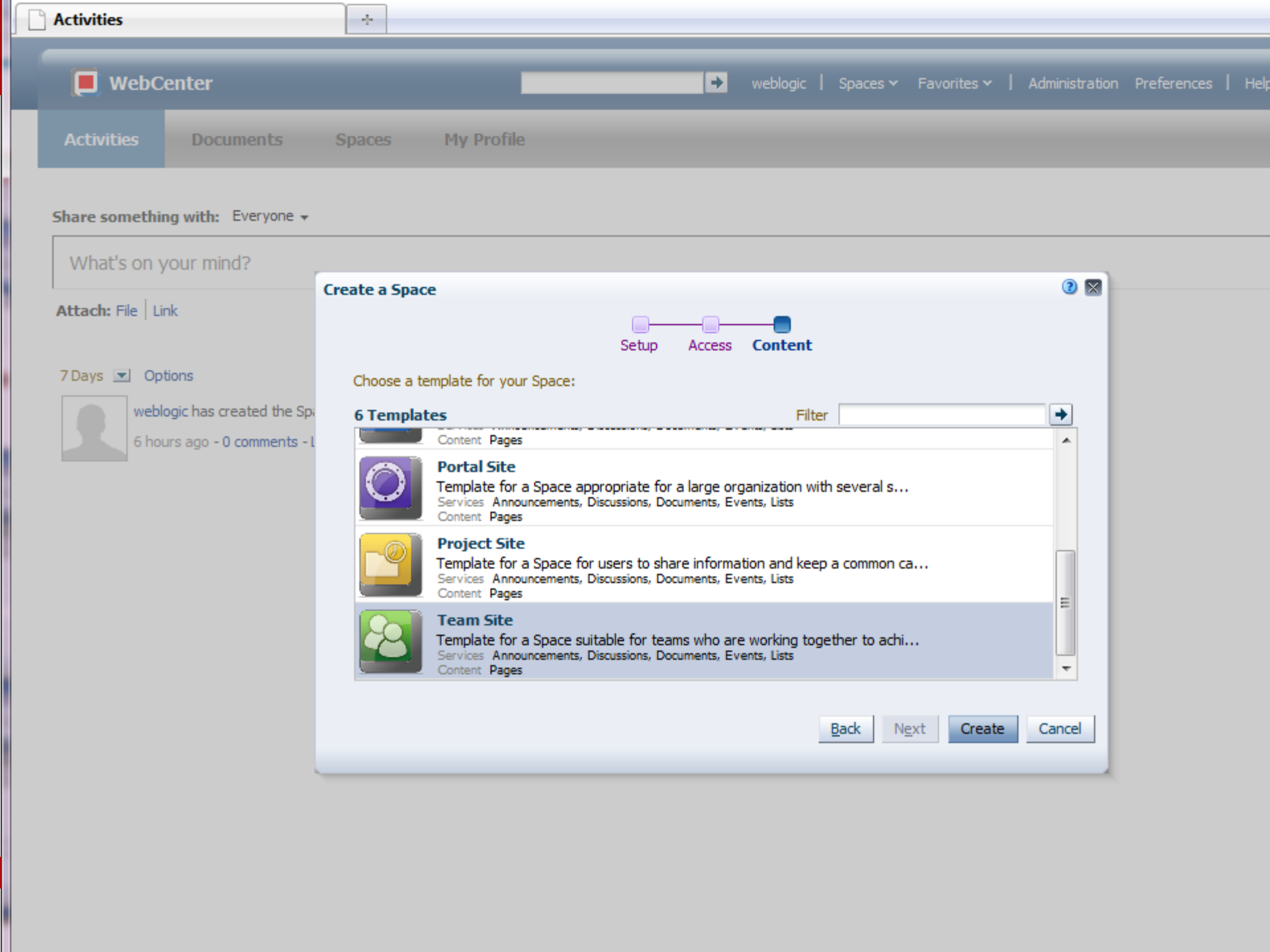
1. Create a space
2. Add some BI content to the Home page
3. Create a new page
4. Add a BI dashboard to the empty page

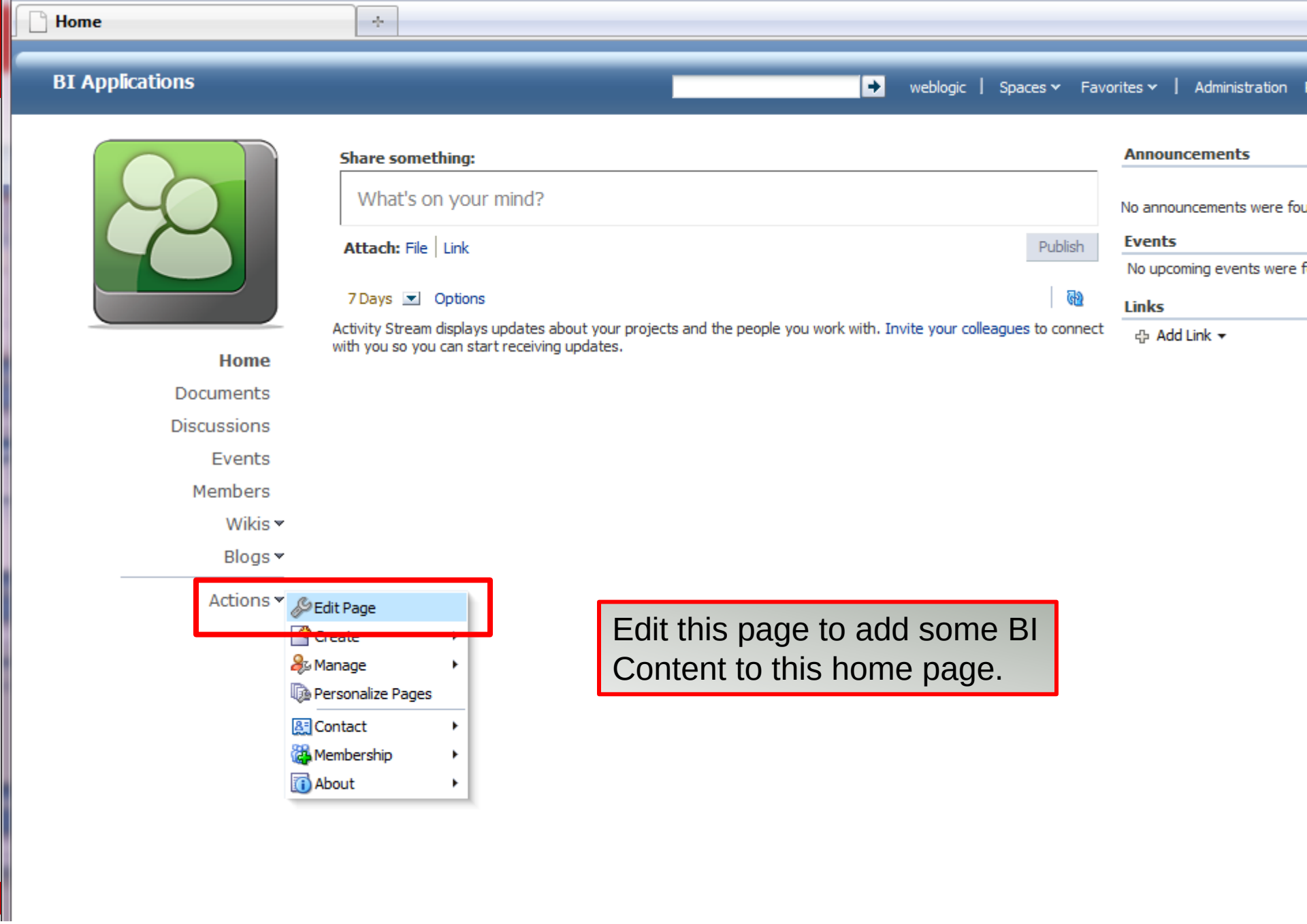


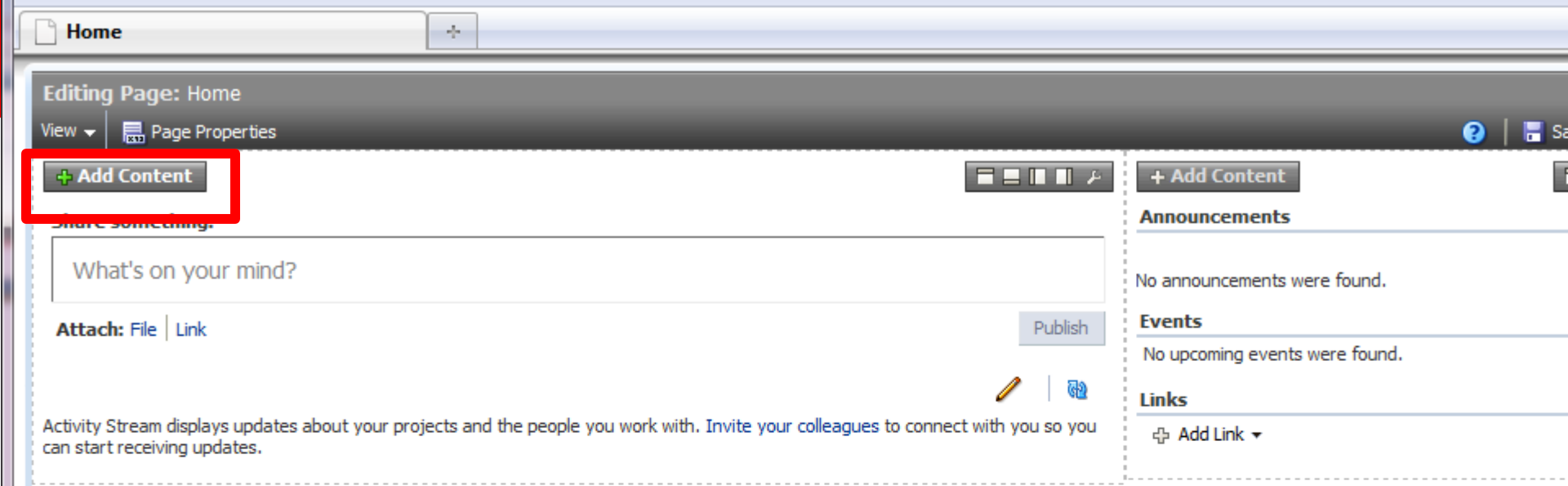
- We can now add BI content to any existing WebCenter page. For a clean example, we will create a new space and add BI content to the Home page of the space.
- **Note** that we now need to be logged in as a WC/BIEE user that has access to the BI Catalog. If you are not an OBIEE user you will not be able to add BI content to your pages
- Recommendation would be to use a BI Administrator user to add content
- Lets also assume you may be building WC content for other users. When they log in to see your page, based on their security level and role in the BI system, they may:
    a. Not have access to the report/dashboard content that you added
    b. Have access to a subset or superset of the data in the reports


Activities
WebCenter
weblogic | Spaces | Favorites | Administration Preferences | Help
Activities
Documents
Spaces
My Profile
Share something with: Everyone
What's on your mind?
Attach: File | Link
7 Days Options
weblogic has created the Sp
6 hours ago - 0 comments - L
Create a Space
Setup
Access
Content
* Name your Space:
BI Applications
Write a description:
Enter keywords that people can use to find your Space:
Back
Next
Create
Cancel


Activities
WebCenter
weblogic | Spaces | Favorites | Administration Preferences | Help
Activities
Documents
Spaces
My Profile
Share something with: Everyone
What's on your mind?
Attach: File | Link
7 Days Options
weblogic has created the Sp
6 hours ago - 0 comments - L
Create a Space
Setup
Access
Content
Enter the URL for your Space:
http://
racle.com:7777/webcenter/spaces/
biapps
Choose an access level for your Space:
Public: Anyone can visit this Space.
Private: People must be invited to join this Space. The Space will appear in search results and in the list of available Spaces.
Hidden: People must be invited to join this Space.The Space will not appear in search results or in the list of available Spaces.
Back
Next
Create
Cancel


Activities
WebCenter
weblogic | Spaces | Favorites | Administration Preferences | Help
Activities
Documents
Spaces
My Profile
Share something with: Everyone
What's on your mind?
Attach: File | Link
7 Days Options
weblogic has created the Sp
6 hours ago - 0 comments - L
Create a Space
Setup
Access
Content
Choose a template for your Space:
6 Templates
Filter
Content Pages
Portal Site
Template for a Space appropriate for a large organization with several s...
Services Announcements, Discussions, Documents, Events, Lists
Content Pages
Project Site
Template for a Space for users to share information and keep a common ca...
Services Announcements, Discussions, Documents, Events, Lists
Content Pages
Team Site
Template for a Space suitable for teams who are working together to achi...
Services Announcements, Discussions, Documents, Events, Lists
Content Pages
Back
Next
Create
Cancel

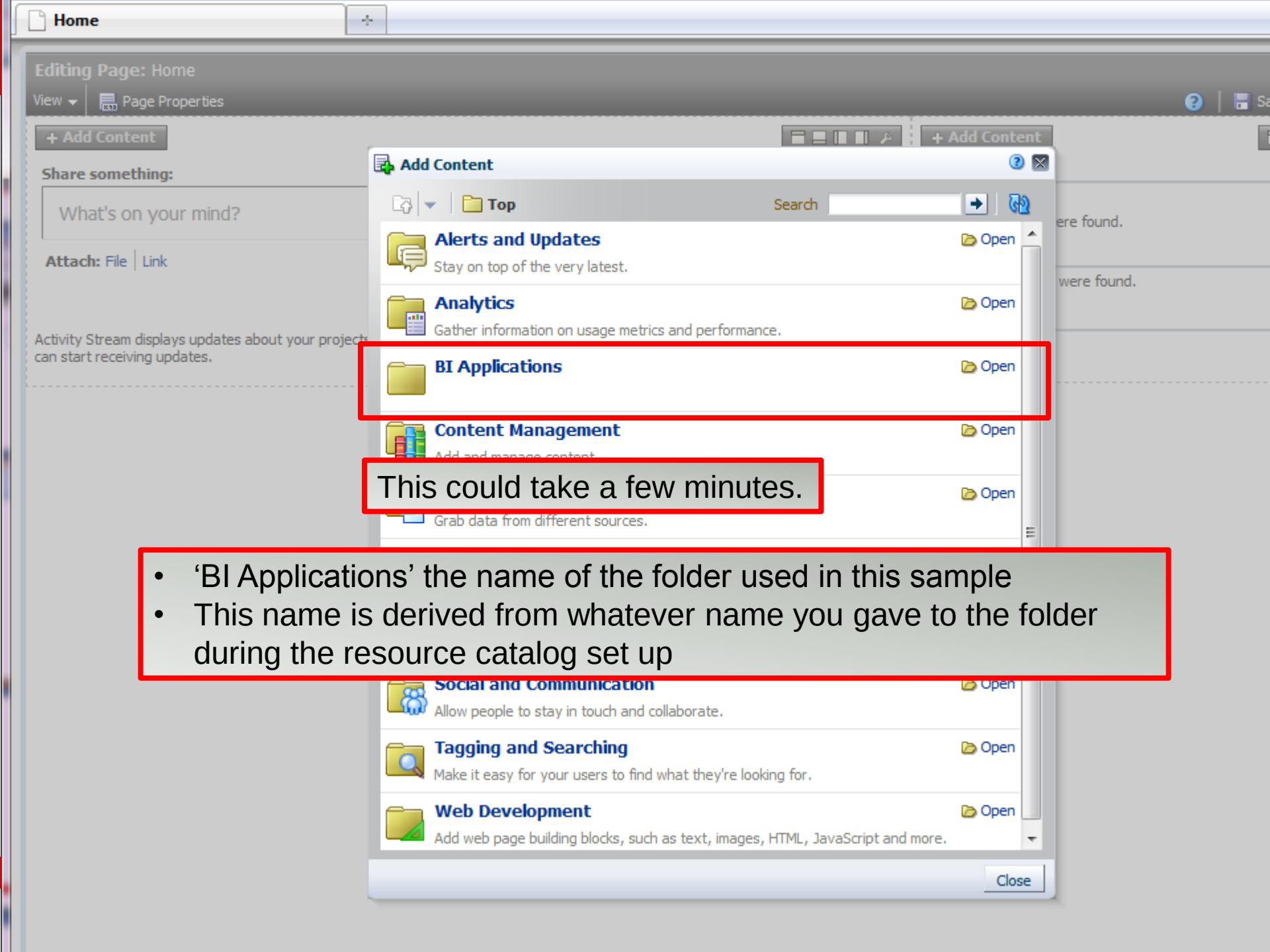

Home
BI Applications
weblogic | Spaces | Favorites | Administration
Share something:
What's on your mind?
Attach: File | Link
Publish
7 Days Options
Activity Stream displays updates about your projects and the people you work with. Invite your colleagues to connect with you so you can start receiving updates.
Announcements
No announcements were fou
Events
No upcoming events were f
Links
Add Link
Home
Documents
Discussions
Events
Members
Wikis
Blogs
Actions
Edit Page
Create
Manage
Personalize Pages
Contact
Membership
About
Edit this page to add some BI Content to this home page.



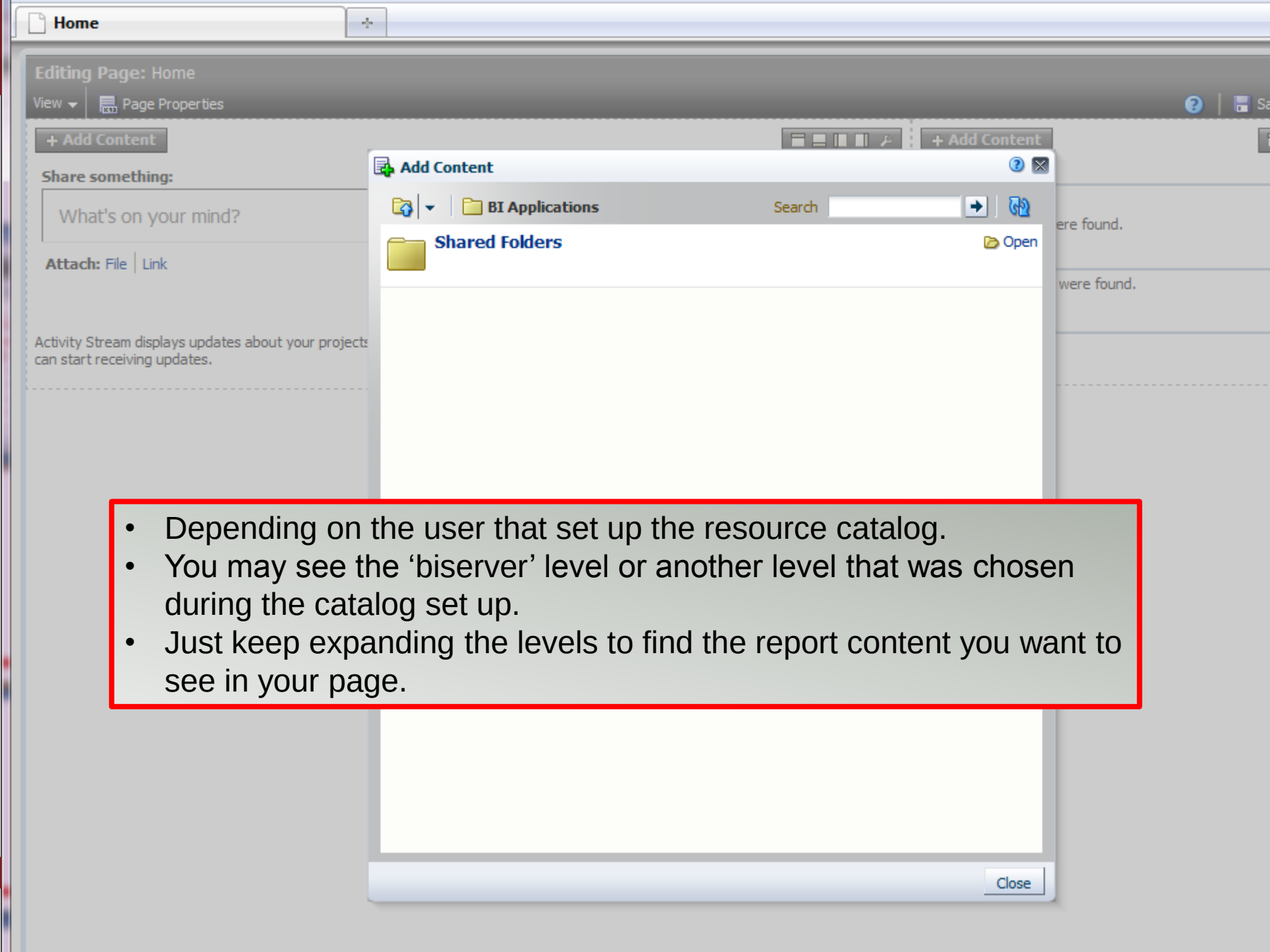
The content that can be added to a page is completely dependent on the content:

a) Available in your OBIEE report catalog
b) Available to the currently logged in WC user

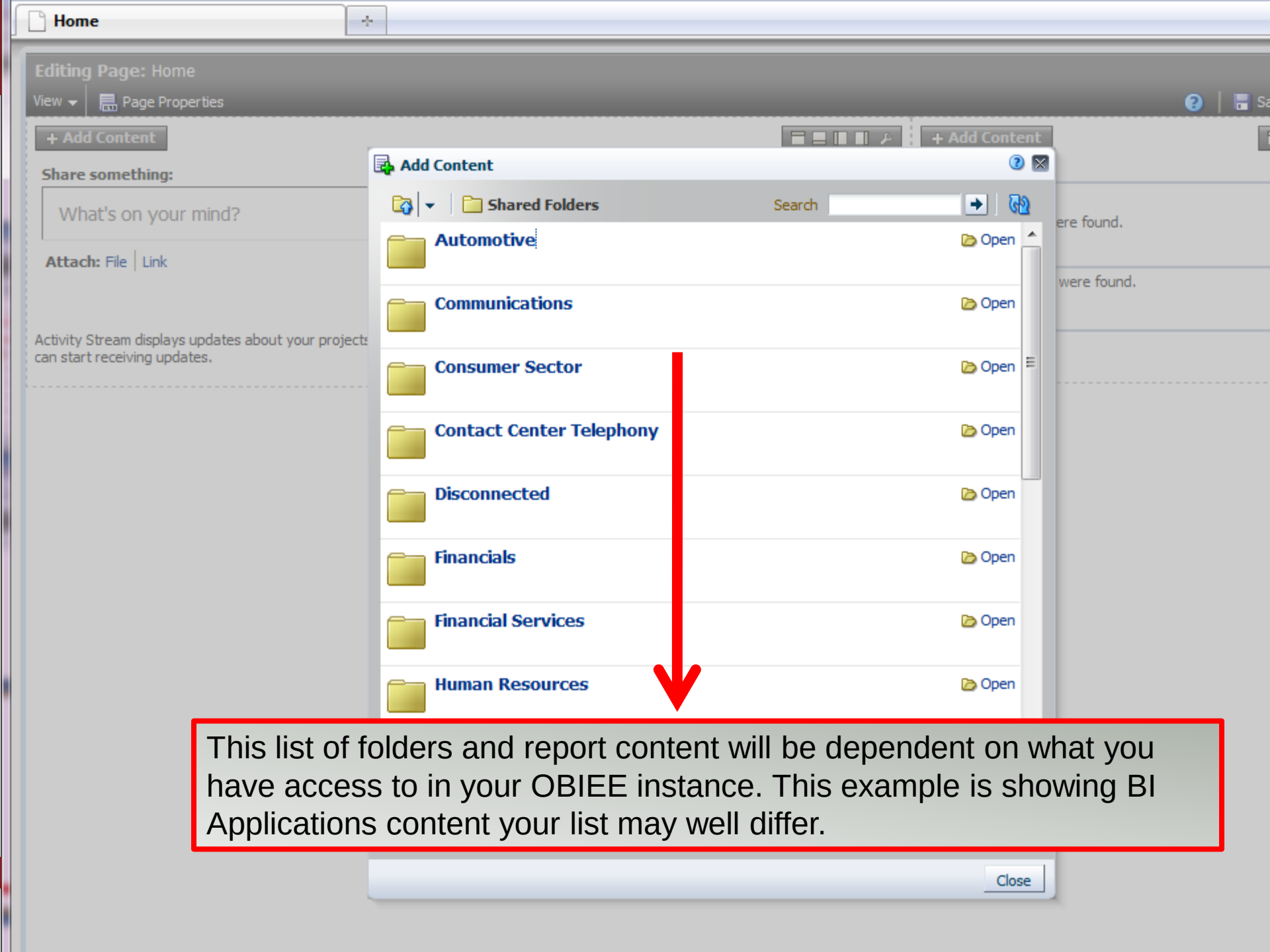
The content in the following pages is from a OBIEE Applications install. You will see different content available based on your current OBIEE report catalog

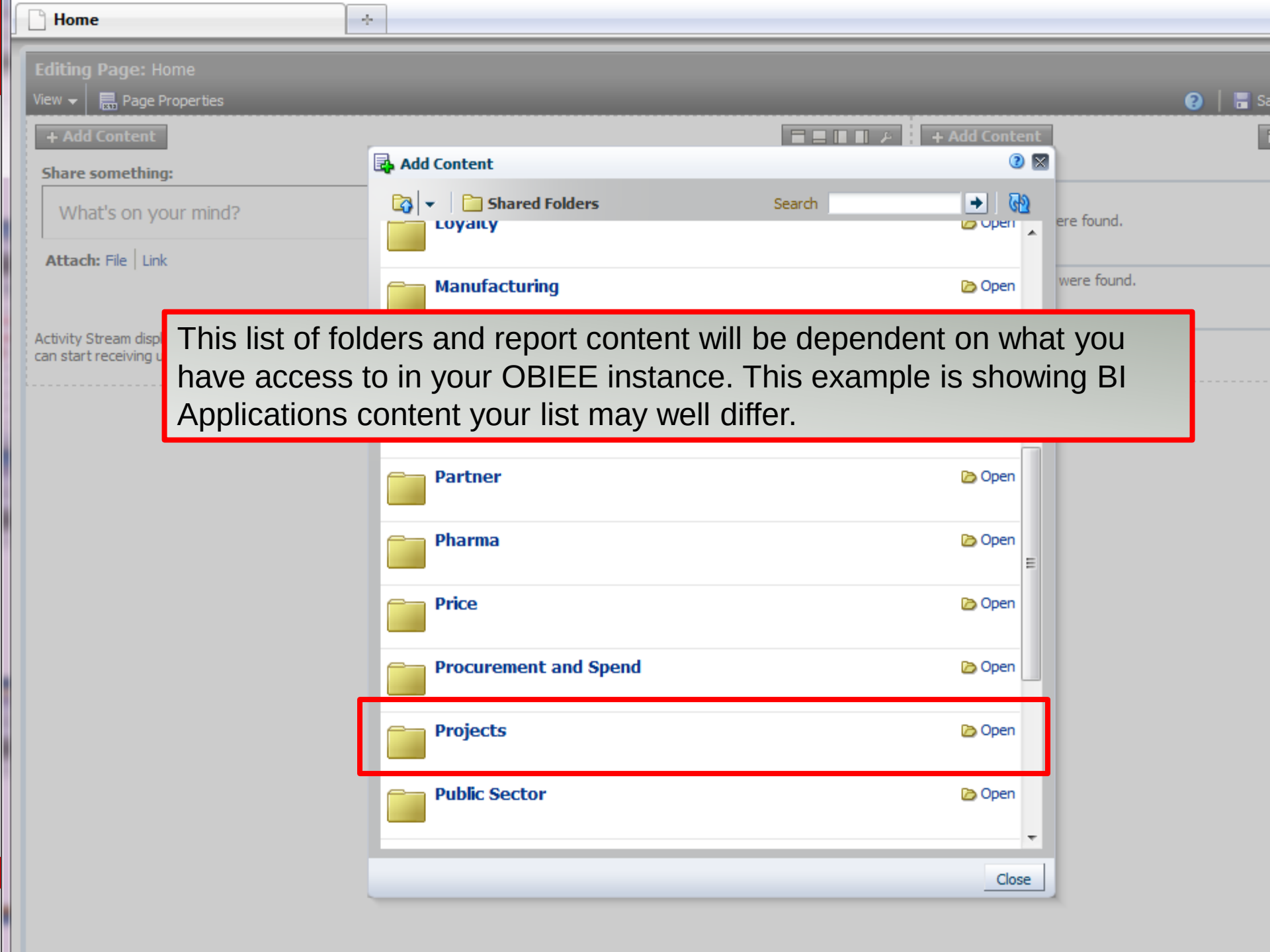


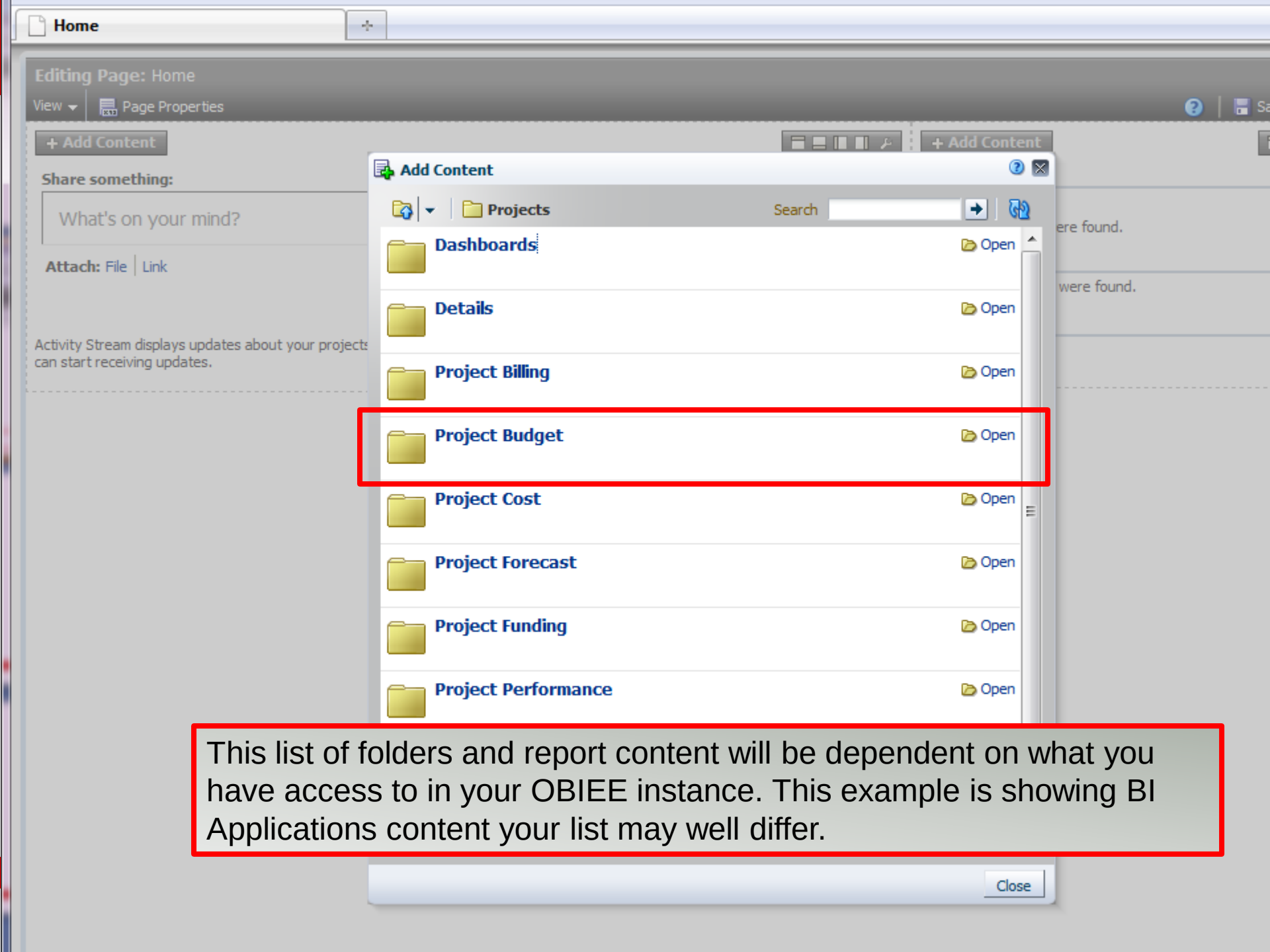
- 'BI Applications' the name of the folder used in this sample
- This name is derived from whatever name you gave to the folder during the resource catalog set up

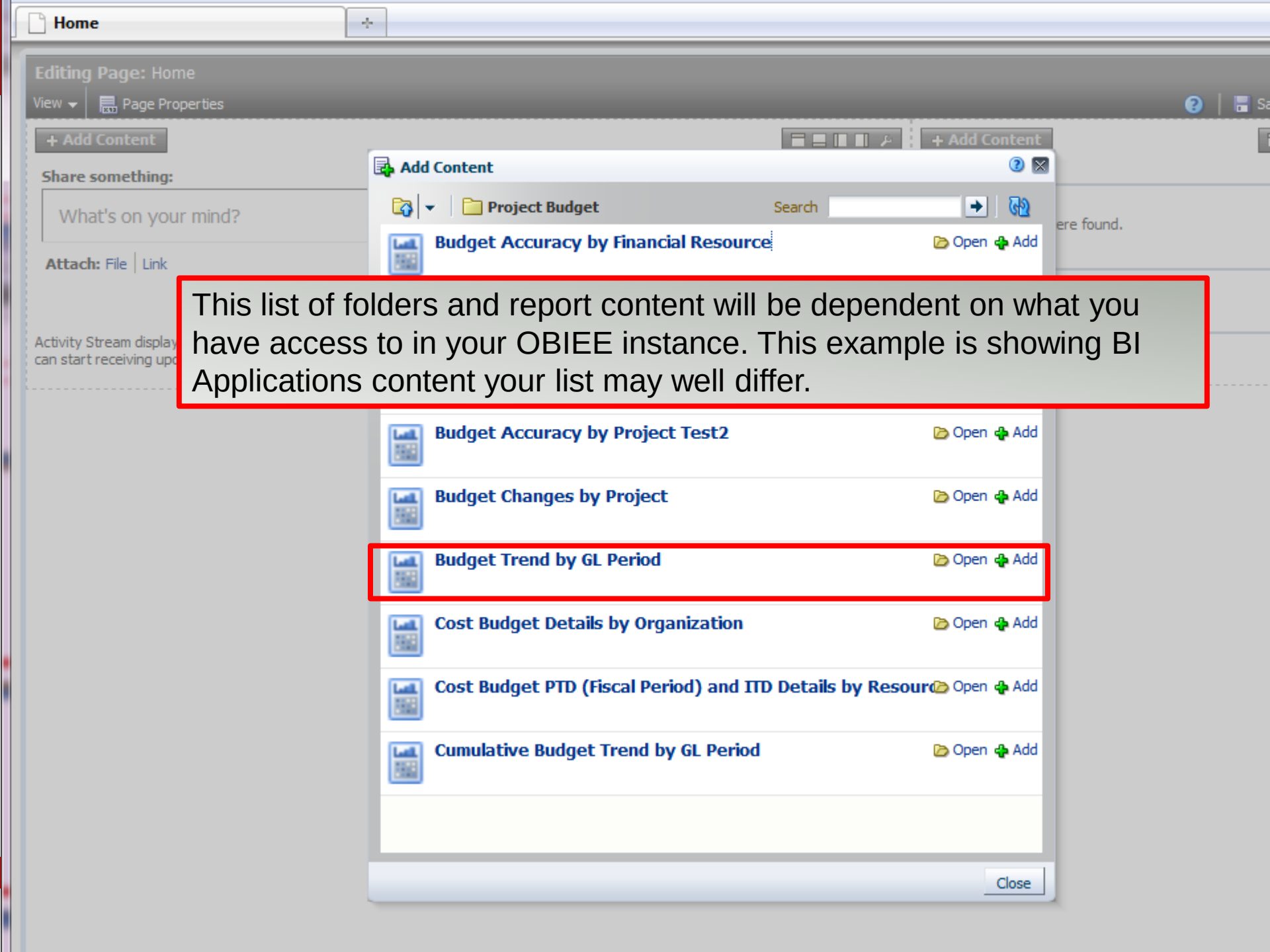


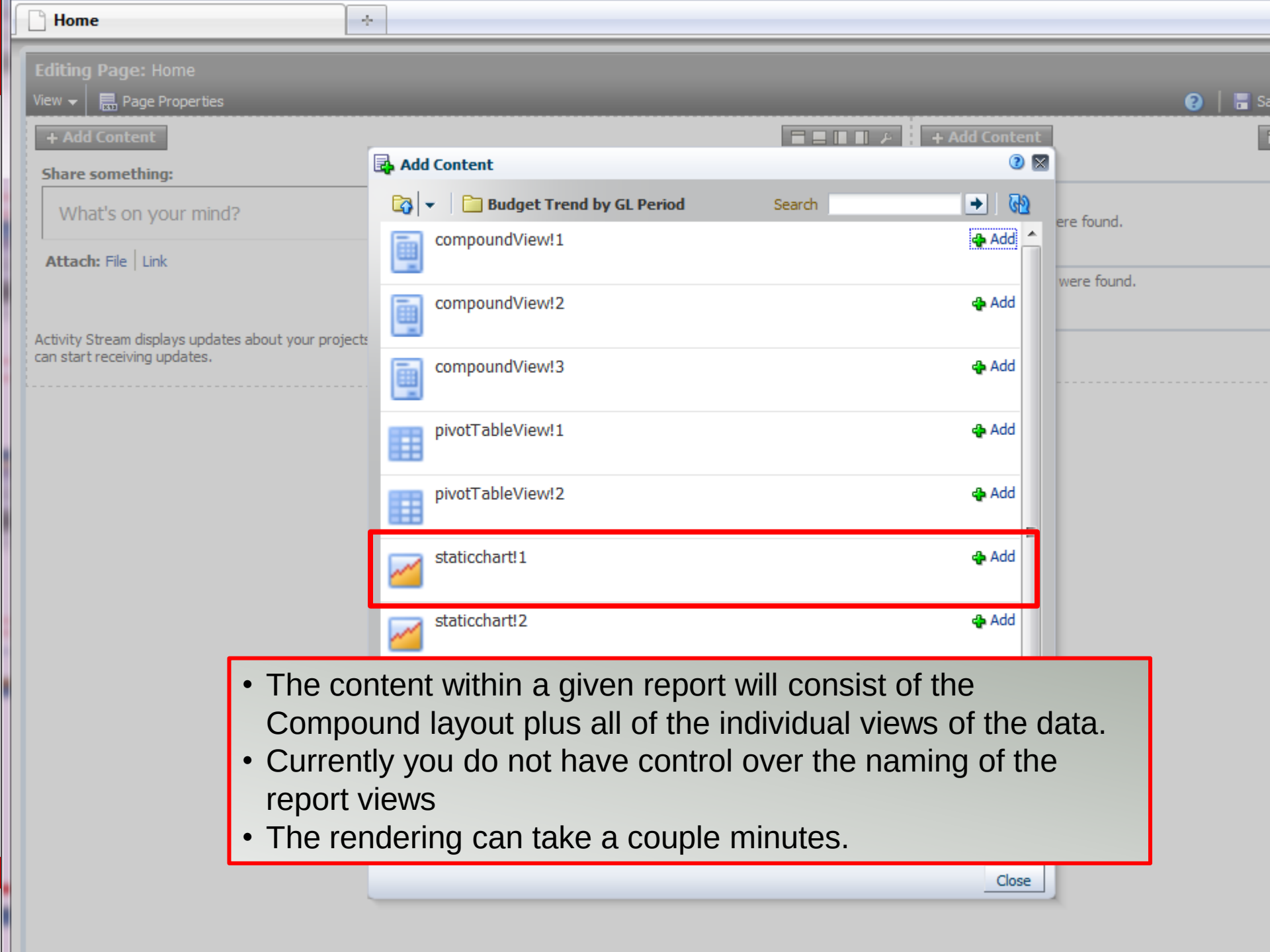
- Depending on the user that set up the resource catalog.
- You may see the ‘biserver’ level or another level that was chosen during the catalog set up.
- Just keep expanding the levels to find the report content you want to see in your page.


Home
Editing Page: Home
View
Page Properties
+ Add Content
Share something:
What's on your mind?
Attach: File | Link
Activity Stream displays updates about your projects
can start receiving updates.
+ Add Content
Add Content
Shared Folders
Search
Automotive
Communications
Consumer Sector
Contact Center Telephony
Disconnected
Financials
Financial Services
Human Resources
Open
Close
This list of folders and report content will be dependent on what you have access to in your OBIEE instance. This example is showing BI Applications content your list may well differ.

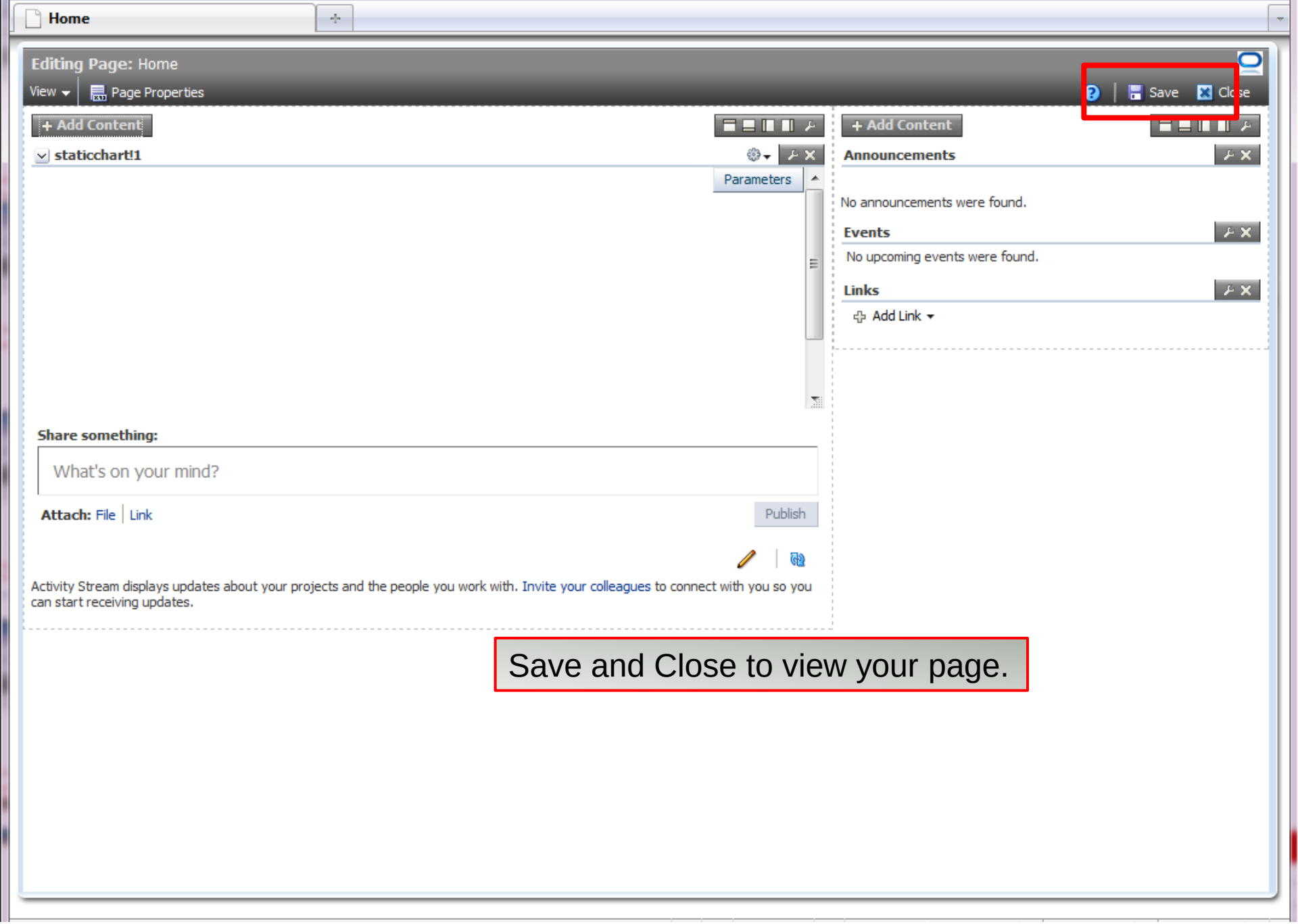

Home
Editing Page: Home
View
Page Properties
+ Add Content
Share something:
What's on your mind?
Attach: File | Link
Add Content
Shared Folders
Search
Manufacturing
Open
This list of folders and report content will be dependent on what you have access to in your OBIEE instance. This example is showing BI Applications content your list may well differ.
Partner
Pharma
Price
Procurement and Spend
Projects
Public Sector
Close


Home
Editing Page: Home
View
Page Properties
+ Add Content
Share something:
What's on your mind?
Attach: File | Link
Activity Stream displays updates about your projects
can start receiving updates.
+ Add Content
Add Content
Projects
Search
Dashboards
Open
Details
Open
Project Billing
Open
Project Budget
Open
Project Cost
Open
Project Forecast
Open
Project Funding
Open
Project Performance
Open
Close
ere found.
were found.
This list of folders and report content will be dependent on what you have access to in your OBIEE instance. This example is showing BI Applications content your list may well differ.


Home
Editing Page: Home
View
Page Properties
+ Add Content
Share something:
What's on your mind?
Attach: File | Link
Activity Stream display
can start receiving upd
+ Add Content
Add Content
Project Budget
Search
Budget Accuracy by Financial Resource
Open
Add
This list of folders and report content will be dependent on what you have access to in your OBIEE instance. This example is showing BI Applications content your list may well differ.
Budget Accuracy by Project Test2
Budget Changes by Project
Budget Trend by GL Period
Cost Budget Details by Organization
Cost Budget PTD (Fiscal Period) and ITD Details by Resourc
Cumulative Budget Trend by GL Period
Close



- The content within a given report will consist of the Compound layout plus all of the individual views of the data.
- Currently you do not have control over the naming of the report views
- The rendering can take a couple minutes.

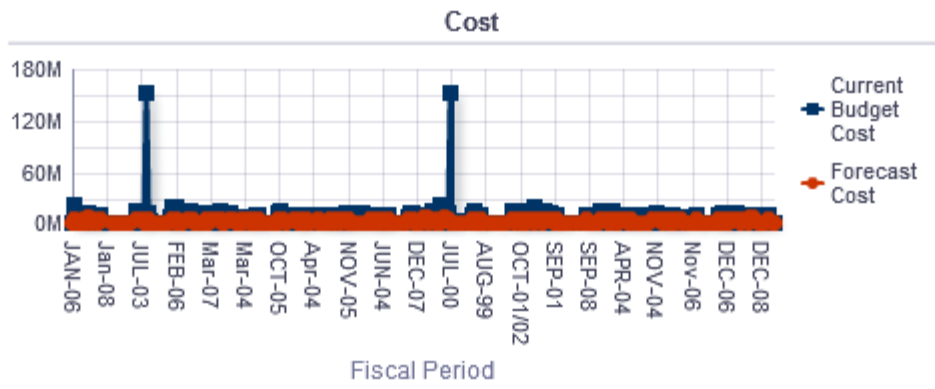

Home
Editing Page: Home
View
Page Properties
Save
Close
+ Add Content
staticchart!1
Parameters
+ Add Content
Announcements
No announcements were found.
Events
No upcoming events were found.
Links
Add Link
Share something:
What's on your mind?
Attach: File | Link
Publish
Activity Stream displays updates about your projects and the people you work with. Invite your colleagues to connect with you so you can start receiving updates.
Save and Close to view your page.

Home

BI Applications

weblogic | Spaces | Favorites | Administration

staticchart!1



Announcements

No announcements were fou

Events

No upcoming events were f

Links

Add Link

Home
Documents
Discussions
Events
Members
Wikis
Blogs

Share something:

What's on your mind?

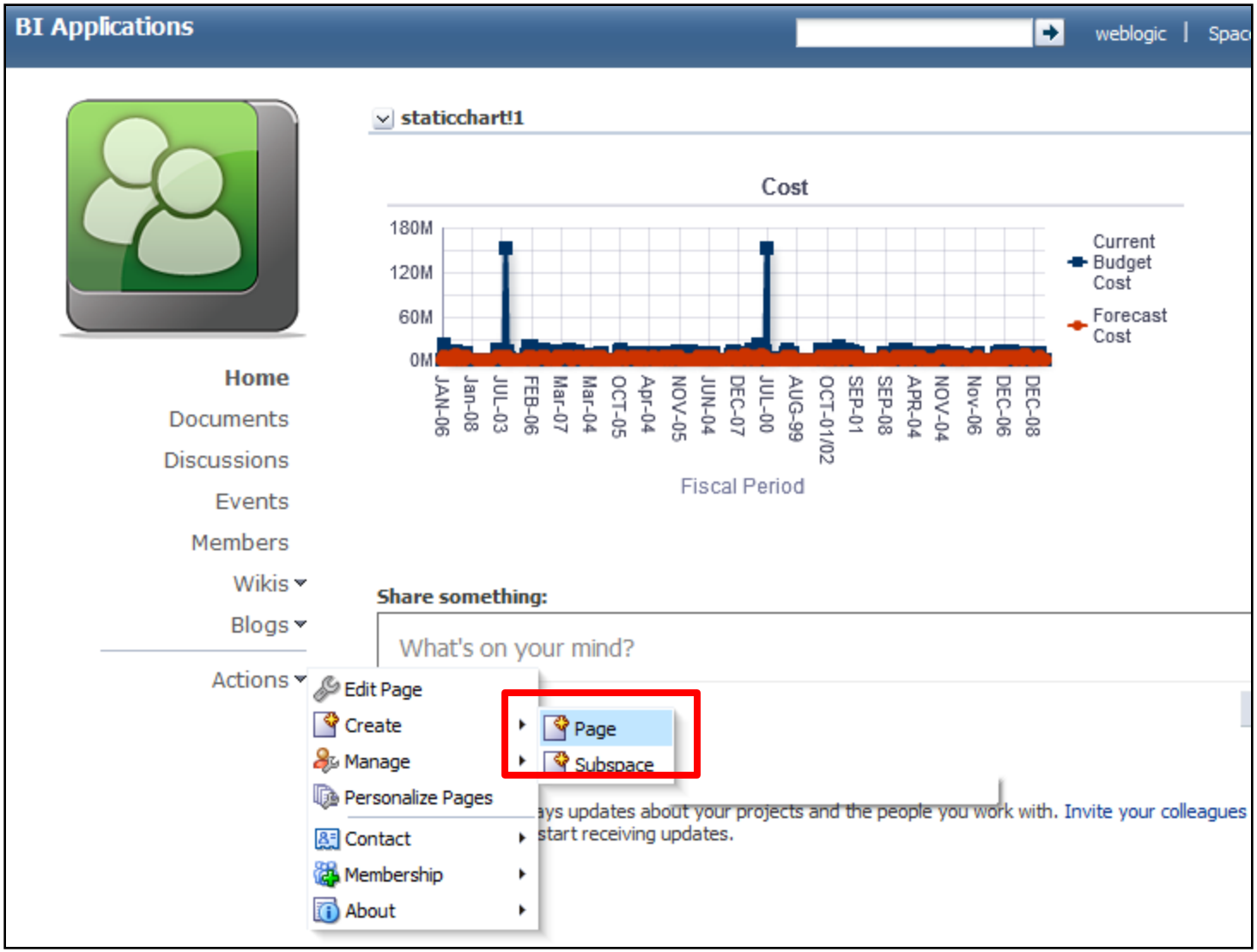
Use the sizing handle to re-size the area for the report on your page

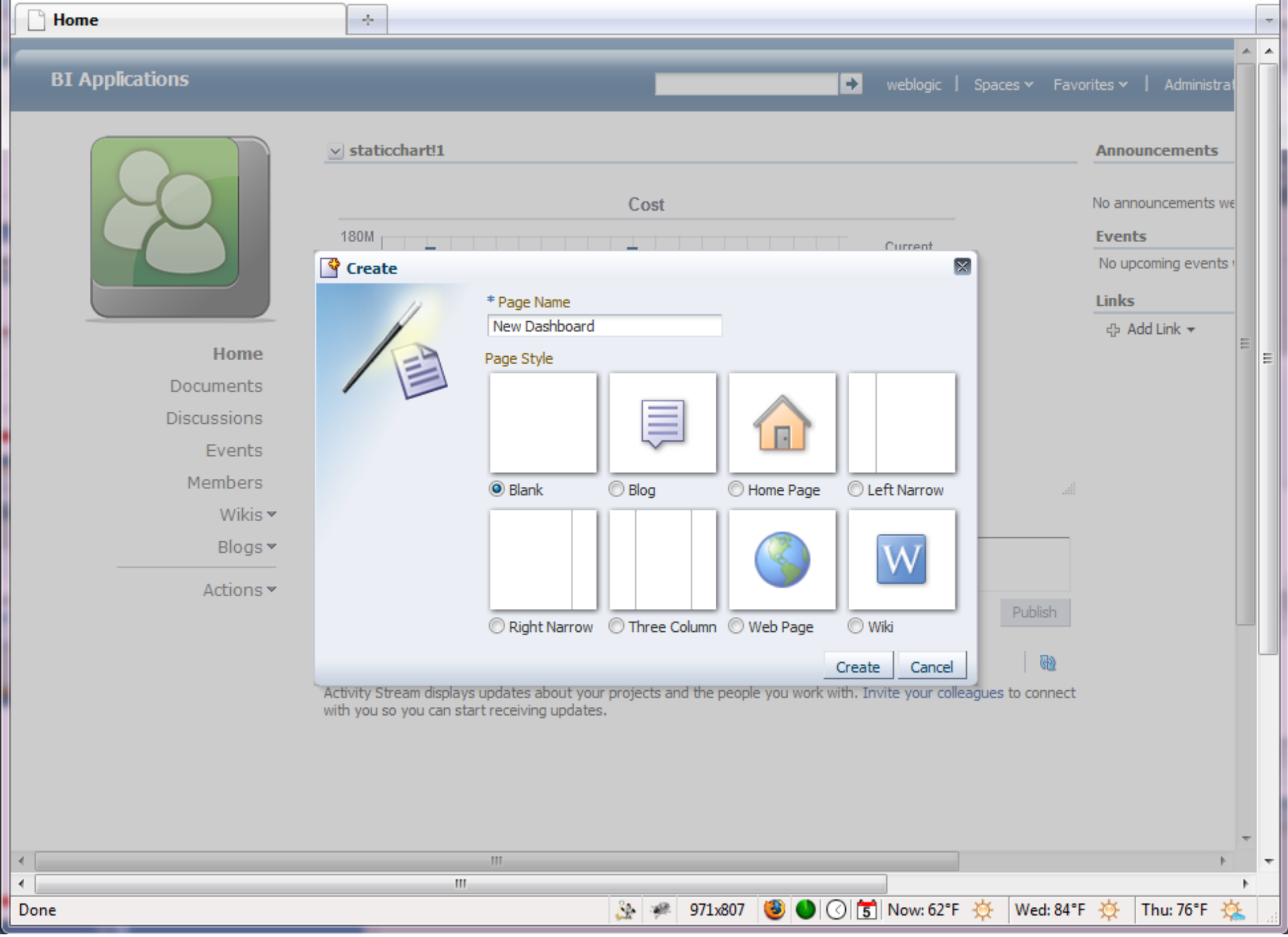
7 Days | Options

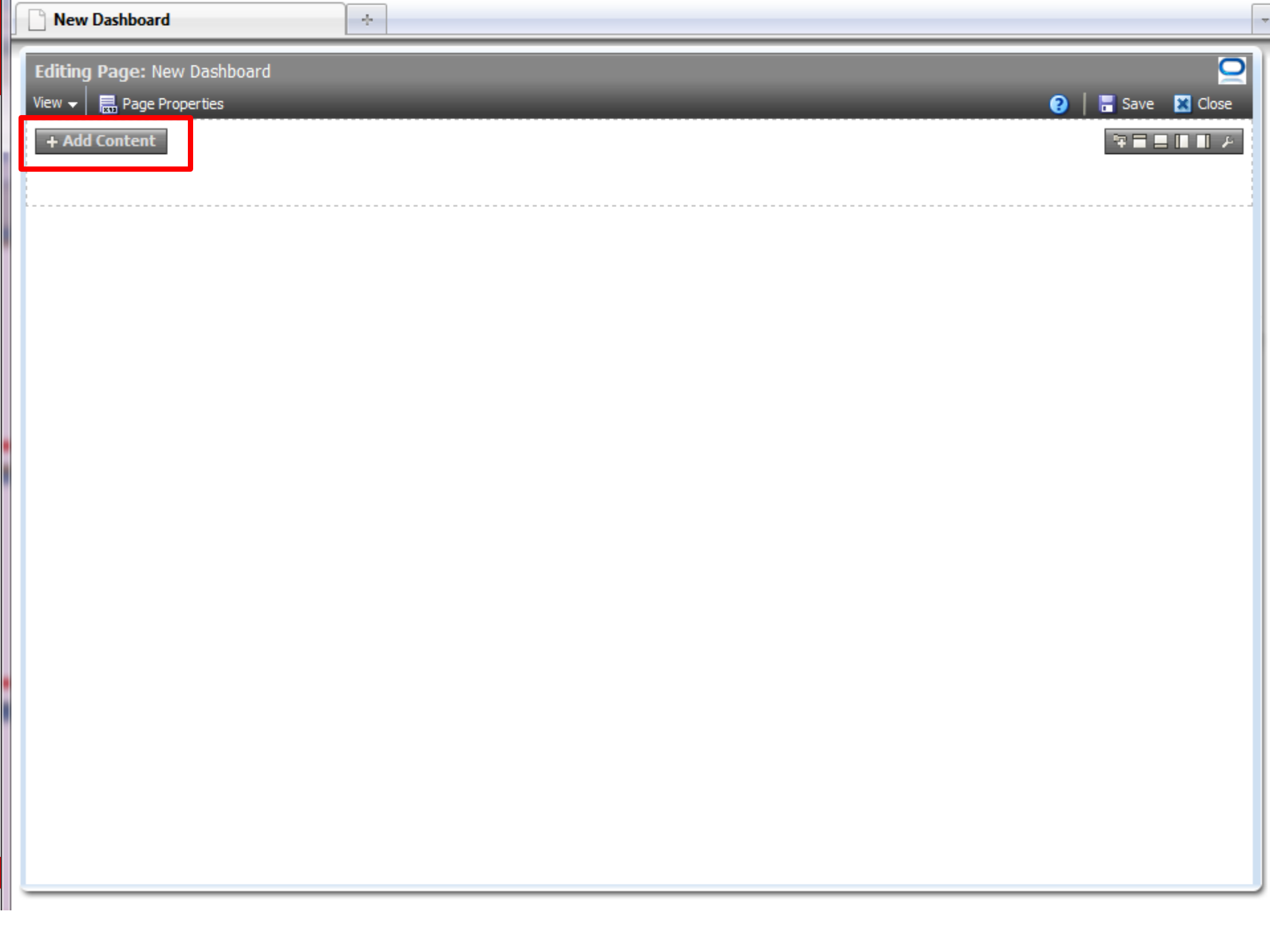
Activity Stream displays updates about your projects and the people you work with. Invite your colleagues to connect with you so you can start receiving updates.

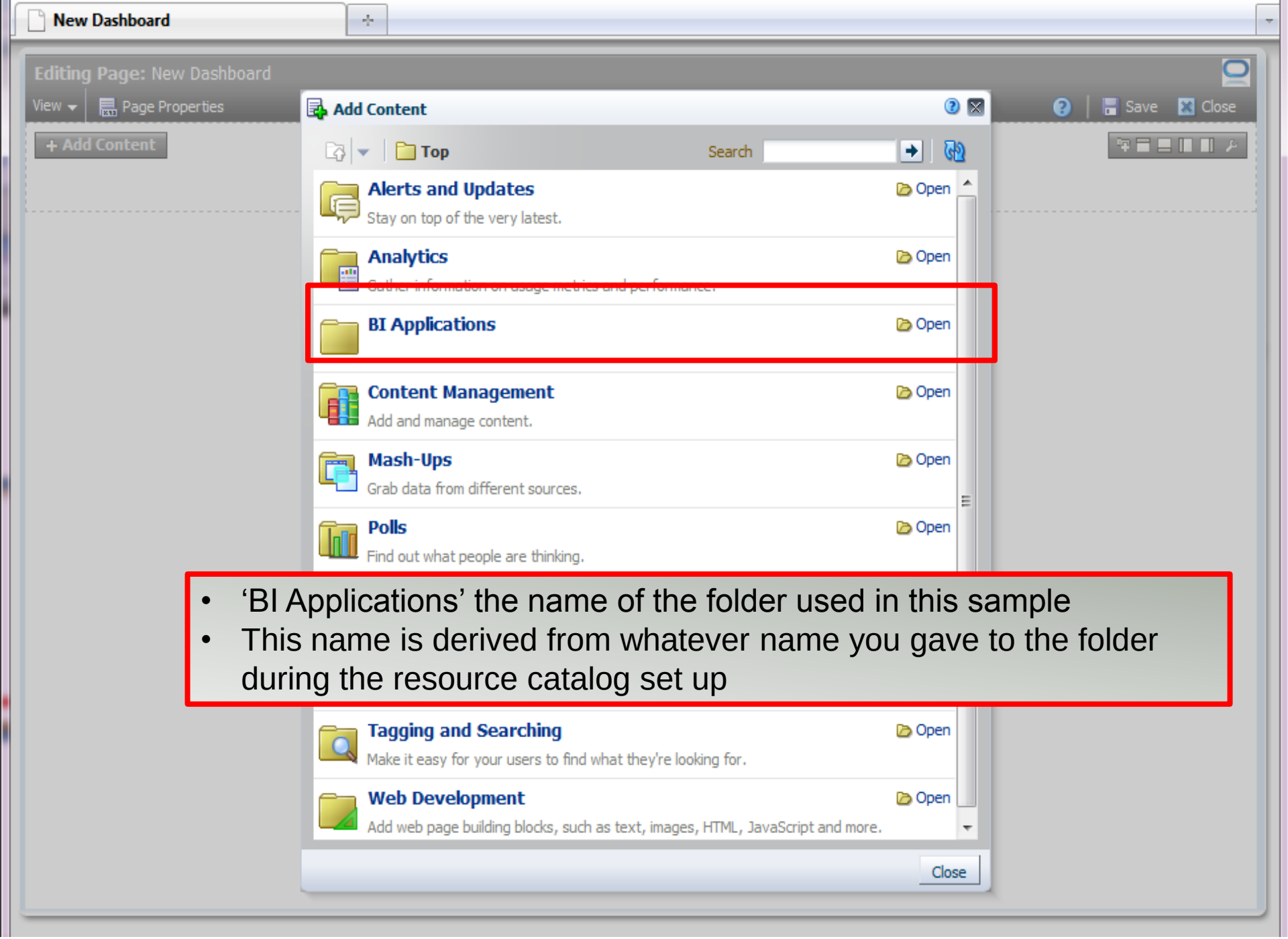
Now we will create a new blank page and add a BI dashboard to the page.

Now let's create a new page for a BI dashboard.

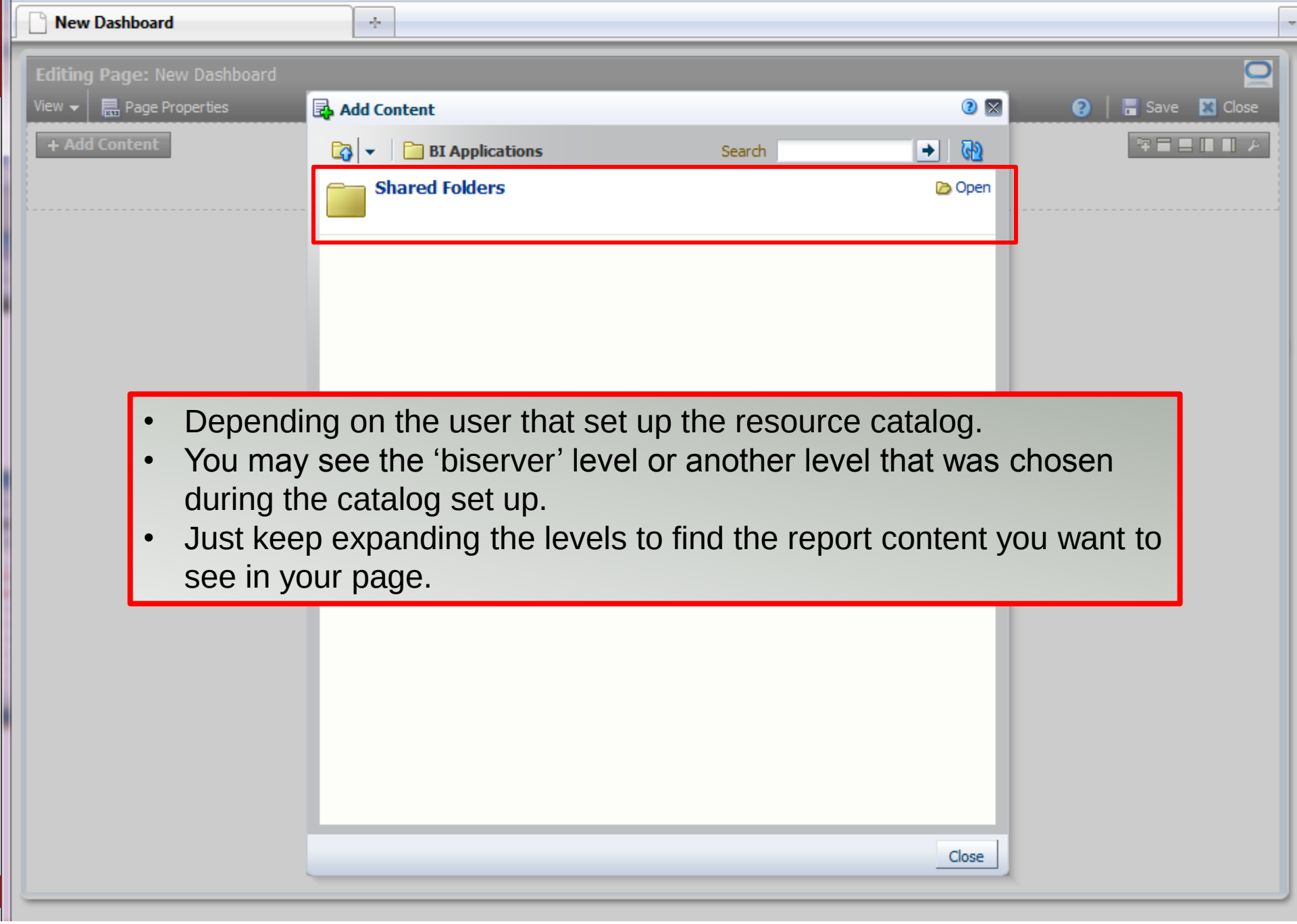



Home
BI Applications
weblogic
Spaces
Favorites
staticchart!1
Cost
180M
Current
Announcements
No announcements we
Events
No upcoming events
Links
Add Link
Home
Documents
Discussions
Events
Members
Wikis
Blogs
Actions
Create
* Page Name
New Dashboard
Page Style
Blank
Blog
Home Page
Left Narrow
Right Narrow
Three Column
Web Page
Wiki
Create
Cancel
Publish
Activity Stream displays updates about your projects and the people you work with. Invite your colleagues to connect with you so you can start receiving updates.
Done
971x807
Now: 62°F
Wed: 84°F
Thu: 76°F

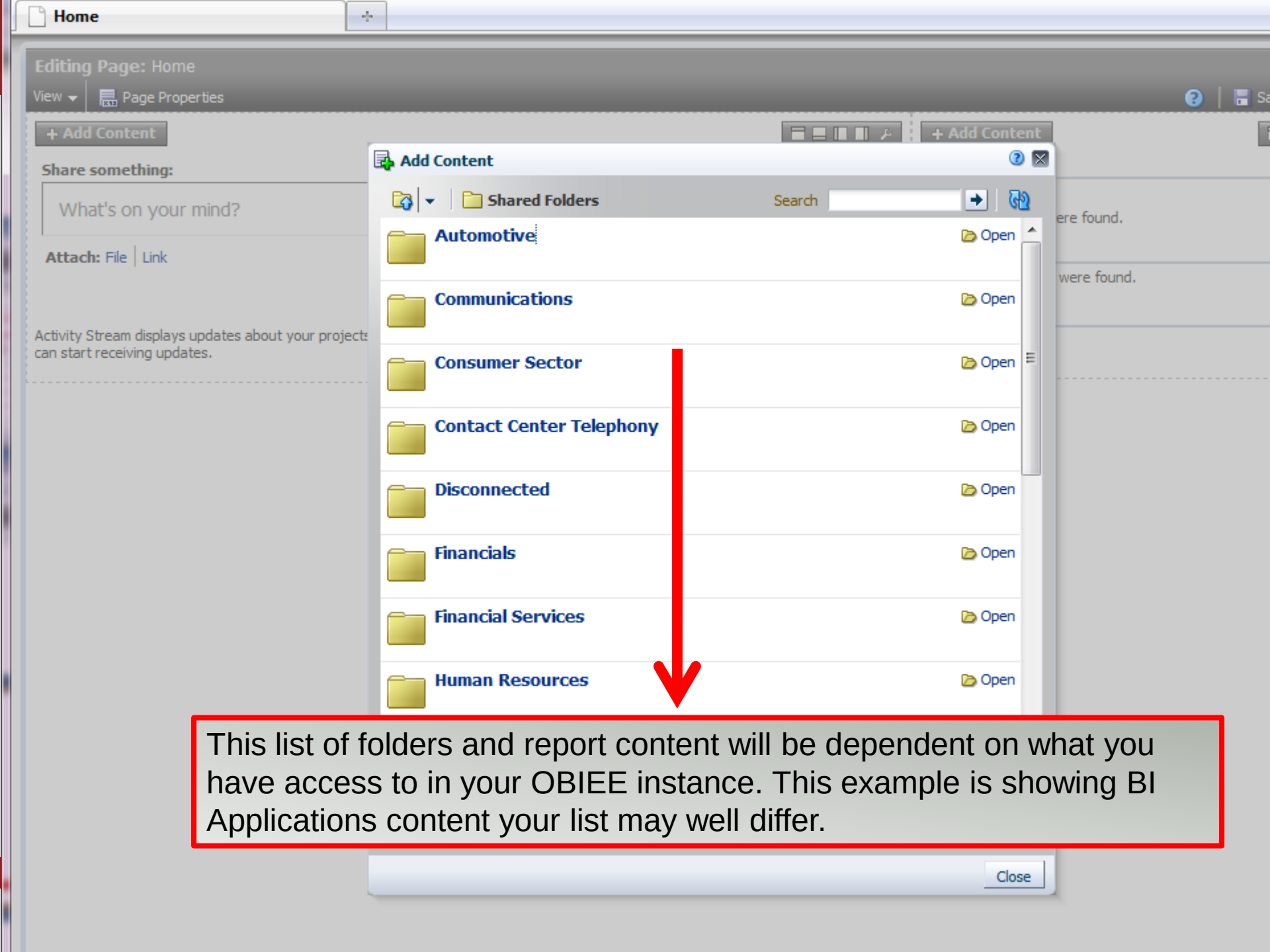

New Dashboard
Editing Page: New Dashboard
View
Page Properties
Save
Close
+ Add Content

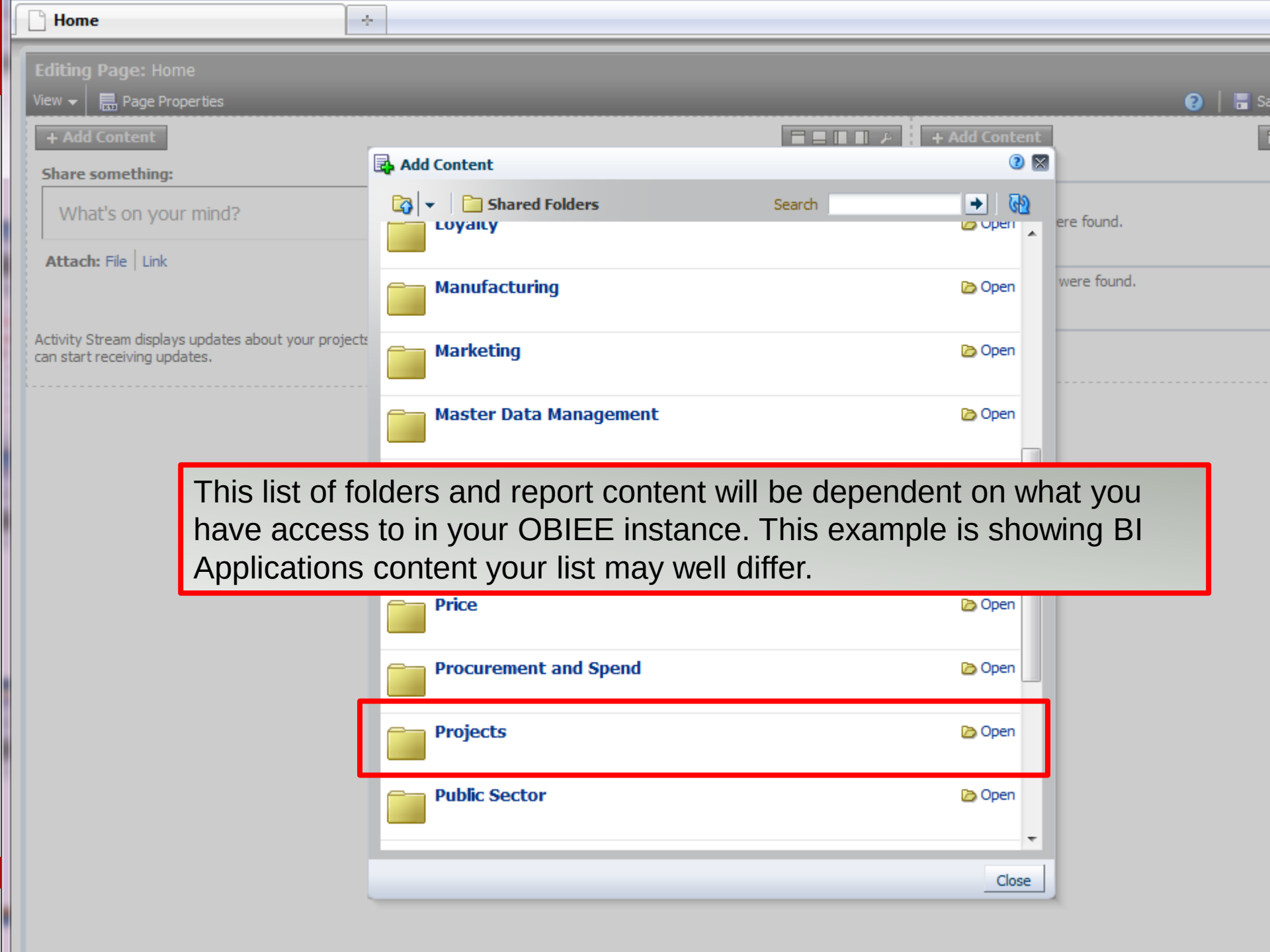


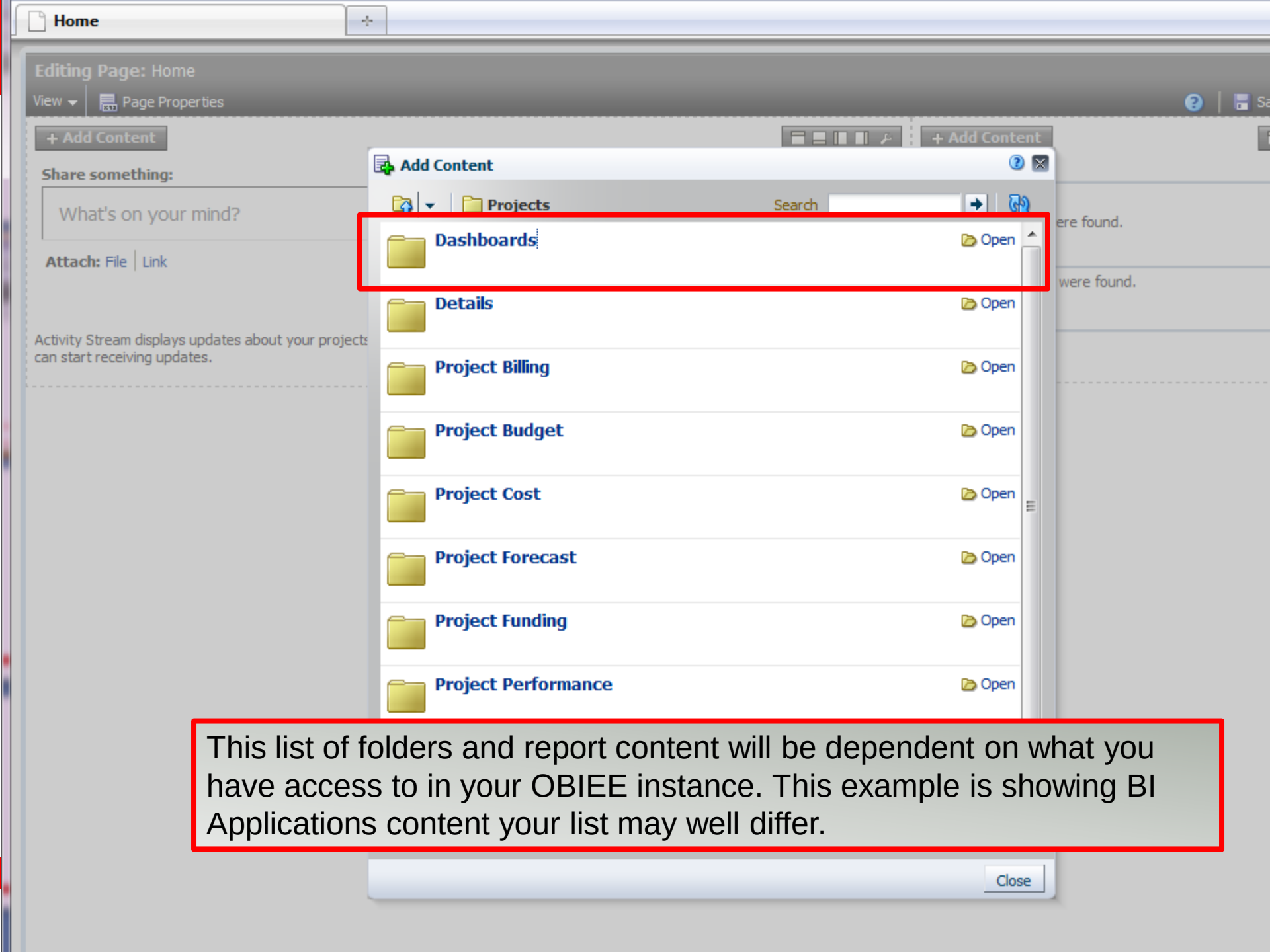
- 'BI Applications' the name of the folder used in this sample
- This name is derived from whatever name you gave to the folder during the resource catalog set up

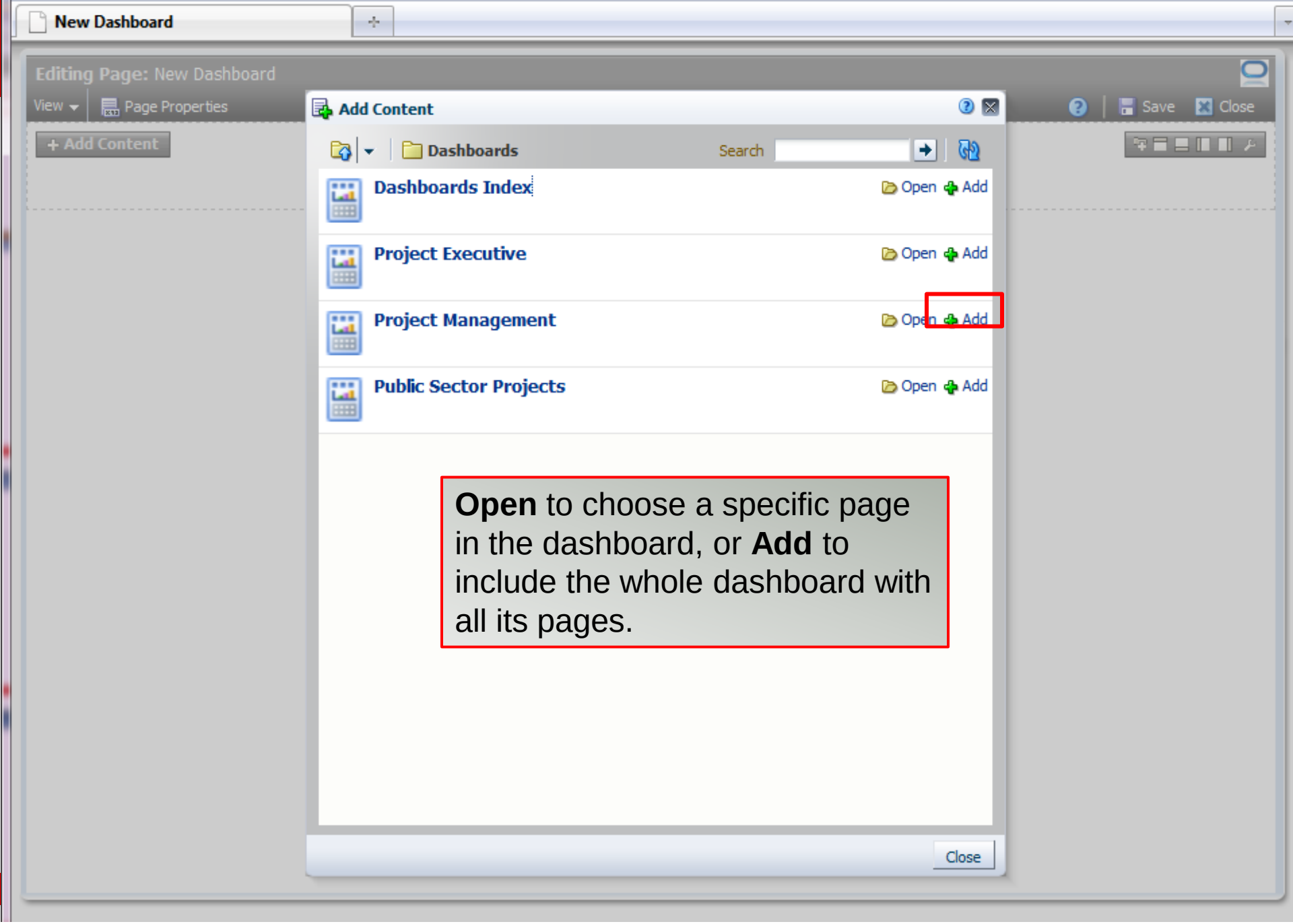


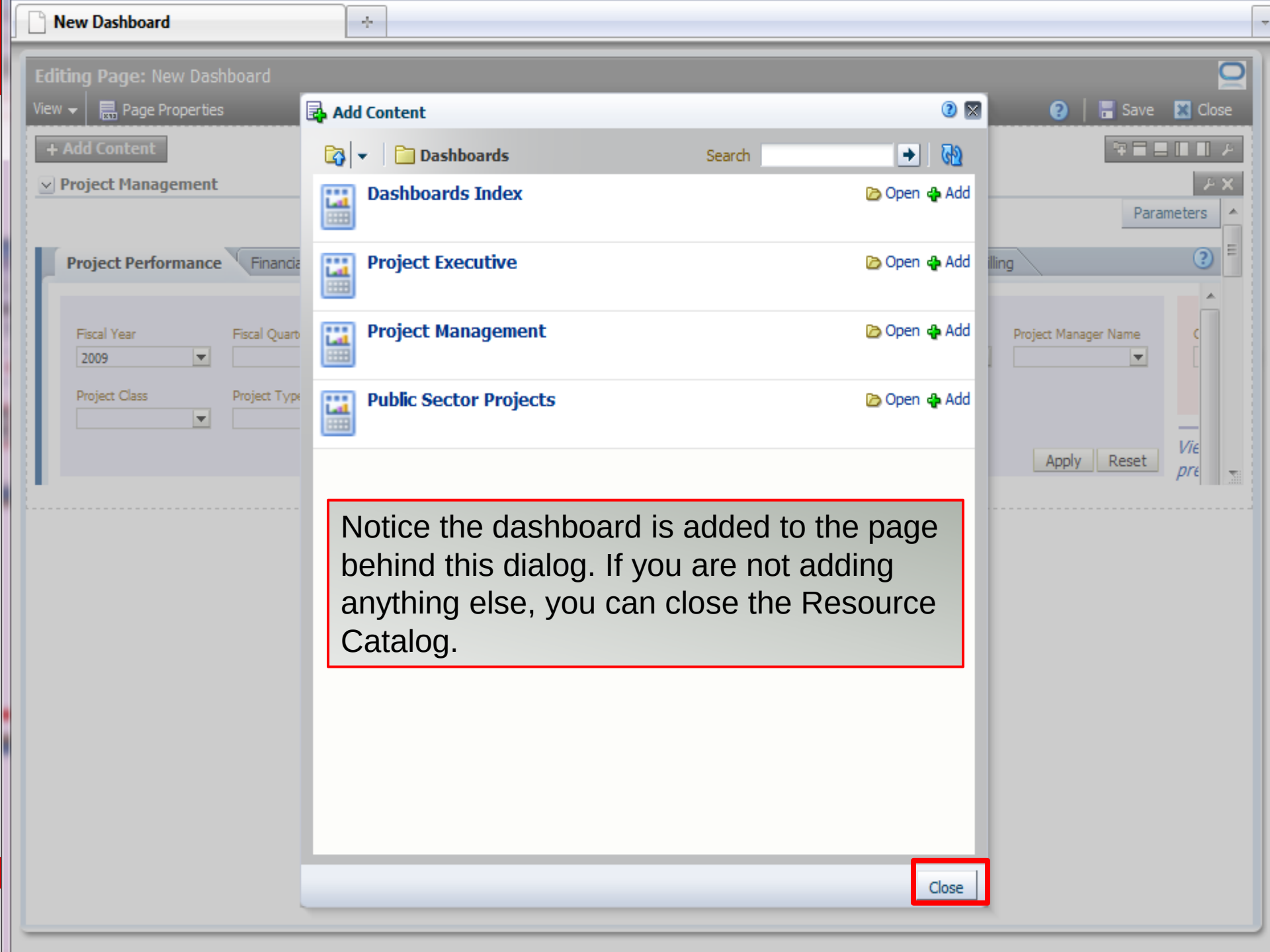
- Depending on the user that set up the resource catalog.
- You may see the ‘biserver’ level or another level that was chosen during the catalog set up.
- Just keep expanding the levels to find the report content you want to see in your page.

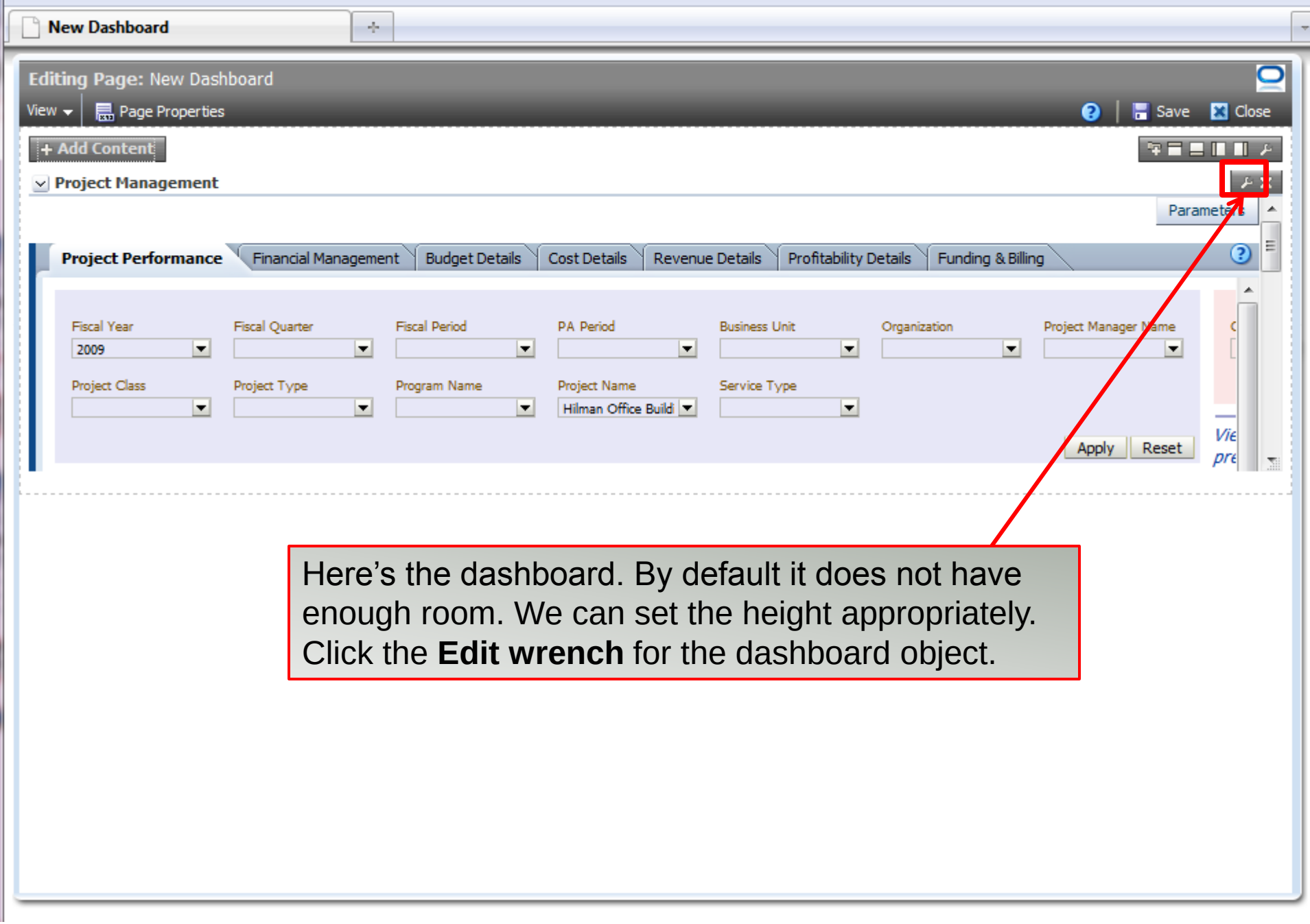

Home
Editing Page: Home
View
Page Properties
+ Add Content
Share something:
What's on your mind?
Attach: File | Link
Activity Stream displays updates about your projects
can start receiving updates.
+ Add Content
Add Content
Shared Folders
Search
Automotive
Open
Communications
Open
Consumer Sector
Open
Contact Center Telephony
Open
Disconnected
Open
Financials
Open
Financial Services
Open
Human Resources
Open
ere found.
were found.
Close
This list of folders and report content will be dependent on what you have access to in your OBIEE instance. This example is showing BI Applications content your list may well differ.

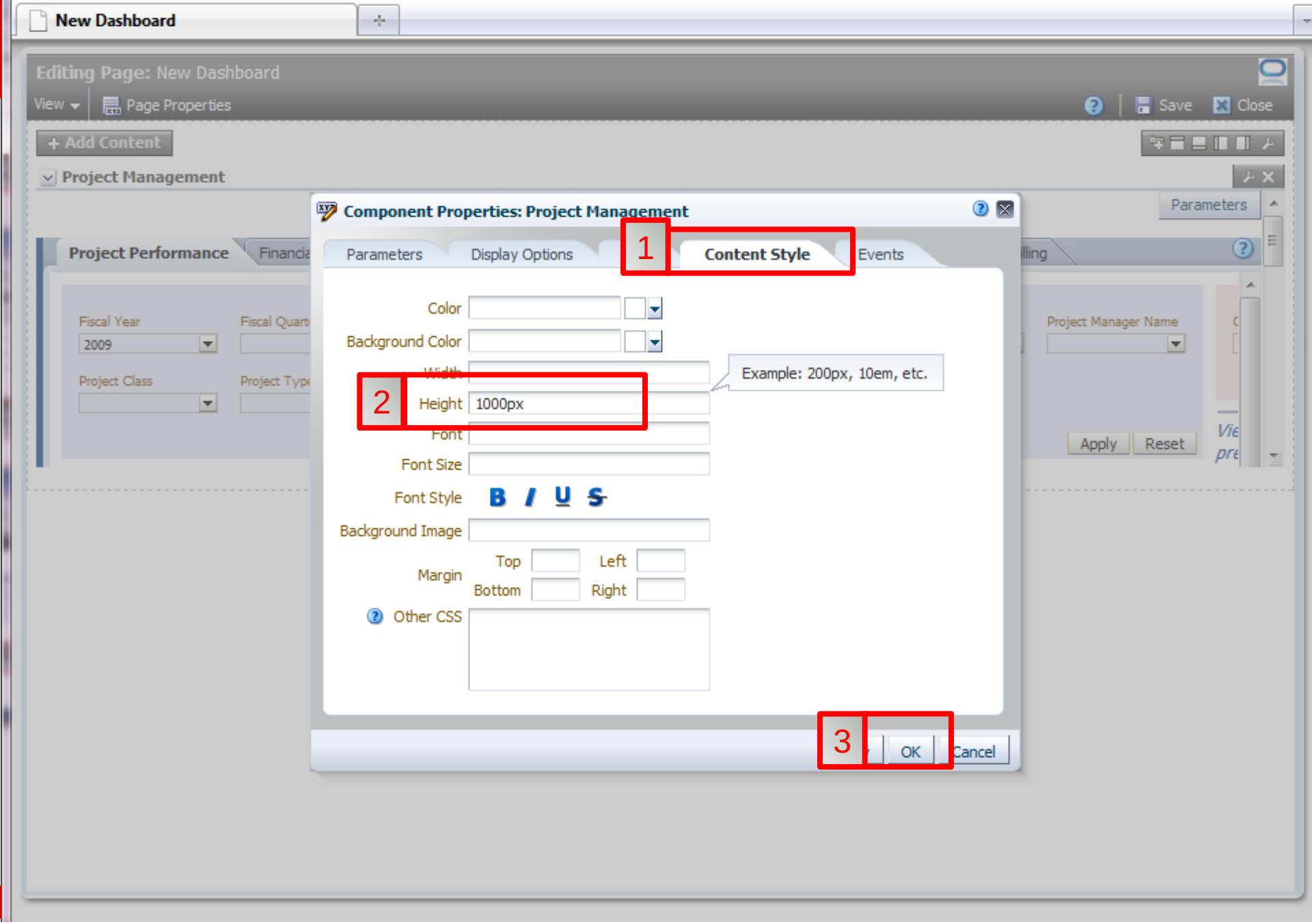

Home
Editing Page: Home
View
Page Properties
+ Add Content
Share something:
What's on your mind?
Attach: File | Link
Activity Stream displays updates about your projects
can start receiving updates.
+ Add Content
Add Content
Shared Folders
Search
Loyalty
Open
Manufacturing
Open
Marketing
Open
Master Data Management
Open
This list of folders and report content will be dependent on what you have access to in your OBIEE instance. This example is showing BI Applications content your list may well differ.
Price
Open
Procurement and Spend
Open
Projects
Open
Public Sector
Open
Close

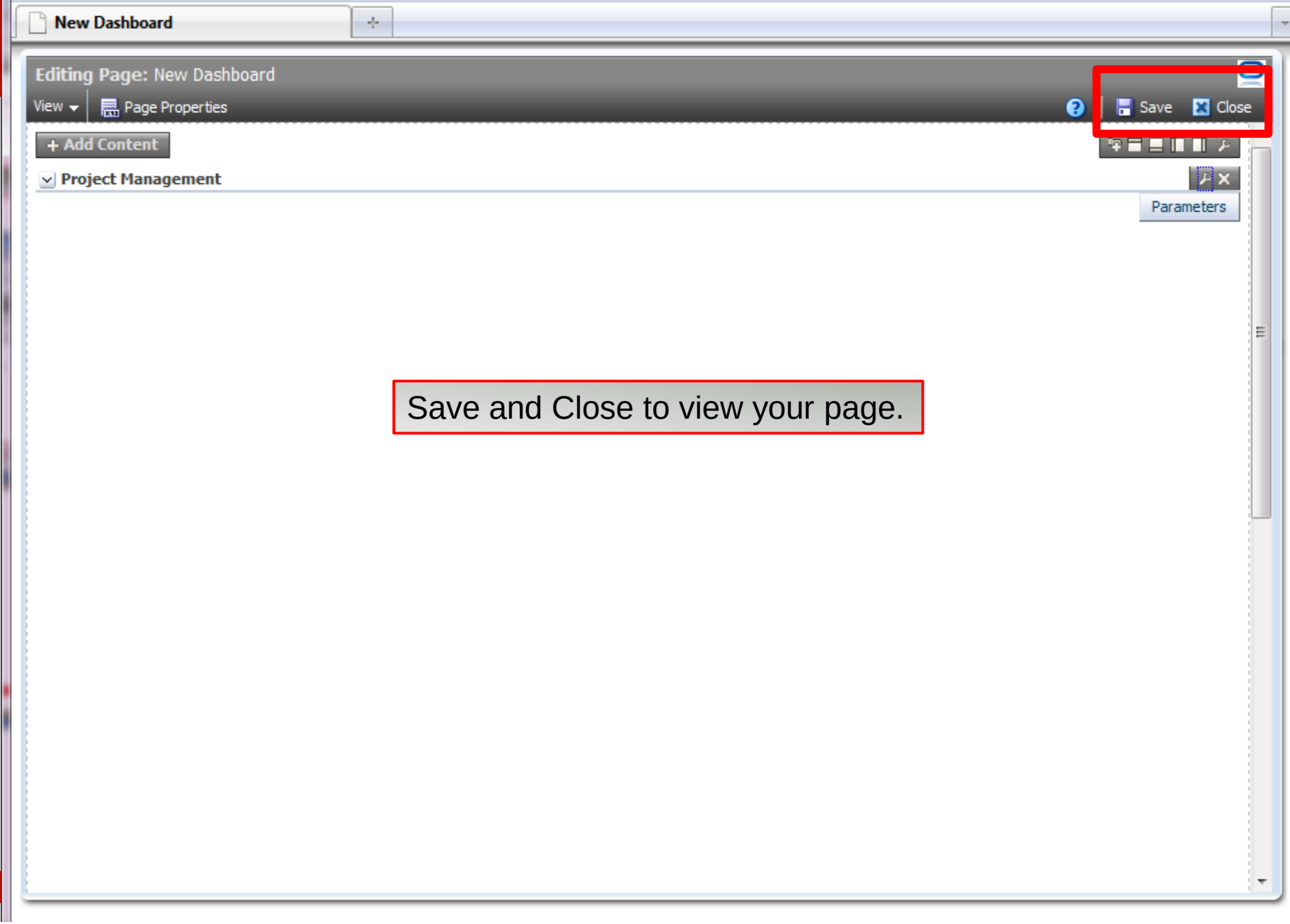

Home
Editing Page: Home
View
Page Properties
+ Add Content
Share something:
What's on your mind?
Attach: File | Link
Activity Stream displays updates about your projects
can start receiving updates.
+ Add Content
Add Content
Projects
Search
Dashboards
Open
Details
Open
Project Billing
Open
Project Budget
Open
Project Cost
Open
Project Forecast
Open
Project Funding
Open
Project Performance
Open
Close
ere found.
were found.
This list of folders and report content will be dependent on what you have access to in your OBIEE instance. This example is showing BI Applications content your list may well differ.

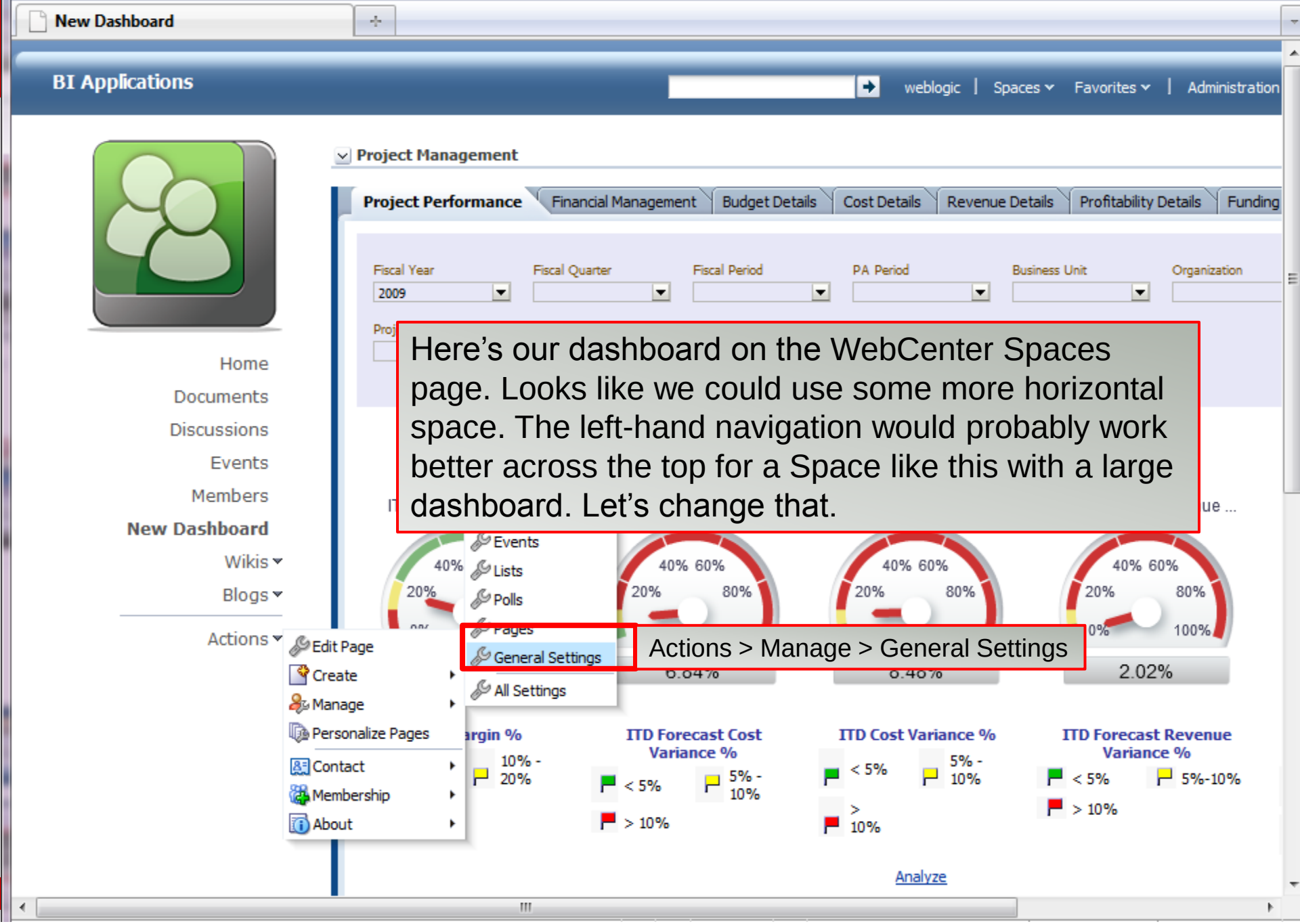

New Dashboard
Editing Page: New Dashboard
View
Page Properties
Save
Close
+ Add Content
Add Content
Dashboards
Search
Dashboards Index
Open
Add
Project Executive
Open
Add
Project Management
Open
Add
Public Sector Projects
Open
Add
Close
Open to choose a specific page in the dashboard, or Add to include the whole dashboard with all its pages.

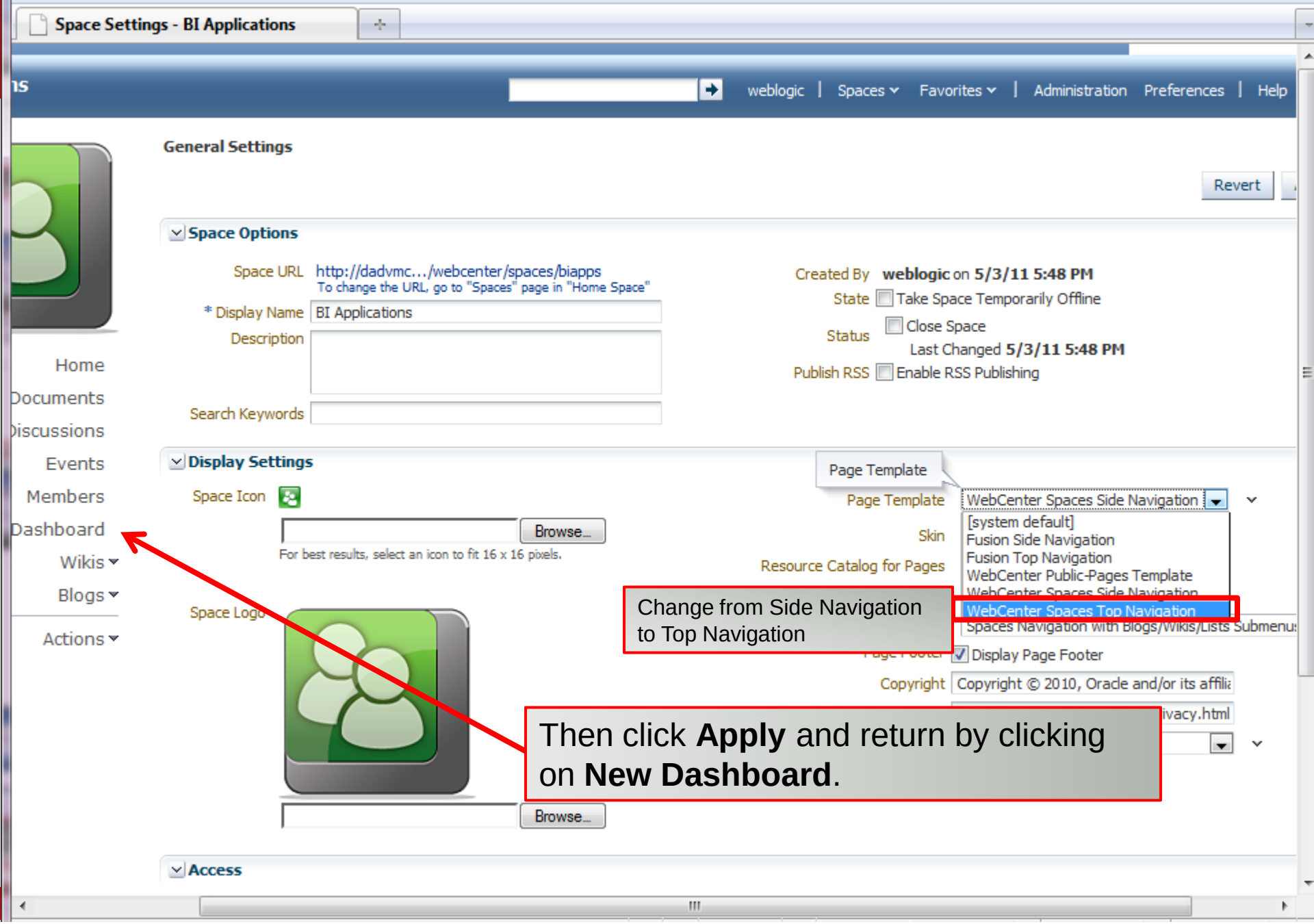

New Dashboard
Editing Page: New Dashboard
View
Page Properties
Save
Close
+ Add Content
Project Management
Project Performance
Fiscal Year
2009
Project Class
Project Manager Name
Parameters
Apply
Reset
Add Content
Dashboards
Search
Dashboards Index
Open
Add
Project Executive
Open
Add
Project Management
Open
Add
Public Sector Projects
Open
Add
Notice the dashboard is added to the page behind this dialog. If you are not adding anything else, you can close the Resource Catalog.
Close


New Dashboard
Editing Page: New Dashboard
View
Page Properties
Save
Close
+ Add Content
Project Management
Parameters
Project Performance
Financial Management
Budget Details
Cost Details
Revenue Details
Profitability Details
Funding & Billing
Fiscal Year
2009
Fiscal Quarter
Fiscal Period
PA Period
Business Unit
Organization
Project Manager Name
Project Class
Project Type
Program Name
Project Name
Hilman Office Build
Service Type
Apply
Reset
Here's the dashboard. By default it does not have enough room. We can set the height appropriately. Click the **Edit wrench** for the dashboard object.


New Dashboard
Editing Page: New Dashboard
View
Page Properties
Save
Close
+ Add Content
Project Management
Parameters
Project Performance
Fiscal Year
2009
Project Class
Project Manager Name
Apply
Reset
Component Properties: Project Management
Parameters
Display Options
1
Content Style
Events
Color
Background Color
Width
Example: 200px, 10em, etc.
2
Height
1000px
Font
Font Size
Font Style
B I U S
Background Image
Margin
Top
Left
Bottom
Right
Other CSS
3
OK
Cancel


New Dashboard
Editing Page: New Dashboard
View
Page Properties
Save
Close
+ Add Content
Project Management
Parameters
Save and Close to view your page.


New Dashboard
BI Applications
weblogic | Spaces | Favorites | Administration
Project Management
Project Performance
Financial Management
Budget Details
Cost Details
Revenue Details
Profitability Details
Funding
Fiscal Year
2009
Fiscal Quarter
Fiscal Period
PA Period
Business Unit
Organization
Here's our dashboard on the WebCenter Spaces page. Looks like we could use some more horizontal space. The left-hand navigation would probably work better across the top for a Space like this with a large dashboard. Let's change that.
Home
Documents
Discussions
Events
Members
New Dashboard
Wikis
Blogs
Actions
Edit Page
Create
Manage
Personalize Pages
Contact
Membership
About
Events
Lists
Polls
Pages
General Settings
All Settings
Actions > Manage > General Settings
2.02%
ITD Forecast Cost Variance %
ITD Cost Variance %
ITD Forecast Revenue Variance %
< 5%
5% - 10%
> 10%
5%-10%
Analyze


Space Settings - BI Applications
weblogic | Spaces | Favorites | Administration | Preferences | Help
General Settings
Revert
Space Options
Space URL http://dadvmc.../webcenter/spaces/biapps
To change the URL, go to "Spaces" page in "Home Space"
* Display Name BI Applications
Description
Search Keywords
Created By weblogic on 5/3/11 5:48 PM
State Take Space Temporarily Offline
Status Close Space
Last Changed 5/3/11 5:48 PM
Publish RSS Enable RSS Publishing
Home
Documents
Discussions
Events
Members
Dashboard
Wikis
Blogs
Actions
Display Settings
Space Icon
Browse...
For best results, select an icon to fit 16 x 16 pixels.
Space Logo
Browse...
Page Template
Page Template WebCenter Spaces Side Navigation
Skin
Resource Catalog for Pages
[system default]
Fusion Side Navigation
Fusion Top Navigation
WebCenter Public-Pages Template
WebCenter Spaces Side Navigation
WebCenter Spaces Top Navigation
Spaces Navigation with Blogs/Wikis/Lists Submenu
Display Page Footer
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Change from Side Navigation to Top Navigation
Then click Apply and return by clicking on New Dashboard.
Access

New Dashboard
BI Applications
weblogic | Spaces | Favorites | Administration Preferences | Help
Home Documents Discussions Events Members New Dashboard Wikis Blogs
Project Management
Project Performance Financial Management Budget Details Cost Details Revenue Details Profitability Details Funding & Billing
Fiscal Year 2009
Fiscal Quarter
Fiscal Period
PA Period
Business Unit
Organization
Project Manager Name
Currency Type
Project Class
Project Type
Program Name
Project Name Hilman Office Build
Service Type
Apply
Now we have more room for the dashboard. Everything is functional – the tabs, the parameters, the interactive charts, and more.
ITD Margin Percent %
15.86%
6.84%
8.48%
2.02%
9.27%
ITD Margin %
> 20% 10% - 20% <10%
ITD Forecast Cost Variance %
< 5% 5% - 10% > 10%
ITD Cost Variance %
< 5% 5% - 10% > 10%
ITD Forecast Revenue Variance %
< 5% 5%-10% > 10%
ITD Revenue Variance %
< 5% 5%-10% > 10%
Analyze

Resources

- Web Center Home Page
  http://www.oracle.com/technetwork/middleware/webcenter/suite/overview/index.html
- Web Center Samples (including this document)
  http://www.oracle.com/technetwork/middleware/webcenter/ps3-samples-176806.html
- Web Center Forum
  http://forums.oracle.com/forums/category.jspa?categoryID=196
- OBIEE Home Page
  http://www.oracle.com/technetwork/middleware/bi-enterprise-edition/index.html
- OBIEE Forum
  http://forums.oracle.com/forums/category.jspa?categoryID=145

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