

WebSphere Portal 8.5

Install WebRadar with Oracle

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1 Information

This document will help with the understanding of how to install WebRadar onto WebSphere Portal 8.5 using an Oracle database. In this document the WebRadar database will share the same database as WebSphere Portal but will use a different schema, user and datasource.

Useful links:

- WebSphere Portal 8.5 Infocenter
http://www-01.ibm.com/support/knowledgecenter/#!/SSHRKX_8.5.0/welcome/wp_welcome.html
- WebSphere Portal 8.5 Detailed System Requirements
<http://www-01.ibm.com/support/docview.wss?uid=swg27007791>
- WebSphere Application Server 8.5.5 Infocenter
http://www-01.ibm.com/support/knowledgecenter/?lang=en#!/SSAW57_8.5.5/as_ditamaps/was855_welcome_ndmp.html
- Installing WebRadar 4 – Ephox Documentation
<http://docs.ephox.com/display/WebRadar/Installing+WebRadar>
- IBM Web Content Manager Production Analytics – Greenhouse
<https://greenhouse.lotus.com/plugins/plugincatalog.nsf/assetDetails.xsp?action=editDocument&documentId=05BDBC853494527B85257CA50009830C>

This document is not written or supported by IBM Support
This document is not written or supported by Ephox

Name	Date	Version	Description
Loc Dang	08/03/16	V1	WebRadar Setup

2 Oracle Database

<http://docs.ephox.com/display/WebRadar/Oracle>

2.1 Create Database

In the document we will be using the WebSphere Portal database (WP85DB) as the WebRadar database. If the database is already created or the WebSphere Portal database will be used then this section can be skipped.

1. Create an oracle database that will be used for WebRadar. Currently Ephox has not documented any required settings needed for the database.

2.2 Create User/SCHEMA/GRANTS

The Oracle database schema and user will be the same.

1. Create a sql file that will be used to contain the creation of users, schema and grant the correct permission.

Example:

```
WebRadar_Oracle.sql
```

2. Open the newly created sql file (WebRadar_Oracle.sql) with an editor
3. Add the following lines to the file

```
CREATE USER <WR_USER_SCHEMA>
  IDENTIFIED BY passw0rd
  DEFAULT TABLESPACE USERS
  TEMPORARY TABLESPACE TEMP
  PROFILE DEFAULT
  ACCOUNT UNLOCK;

GRANT UNLIMITED TABLESPACE TO <WR_USER_SCHEMA>;

ALTER USER <WR_USER_SCHEMA> QUOTA UNLIMITED on USERS;

GRANT ALTER ANY TABLE, CREATE ANY TABLE, DROP ANY TABLE,
  CREATE ANY INDEX, DROP ANY INDEX,
  INSERT ANY TABLE, UPDATE ANY TABLE,
  SELECT ANY TABLE, DELETE ANY TABLE,
  CREATE SESSION,
  CREATE TRIGGER, DROP ANY TRIGGER, ALTER ANY TRIGGER,
  CREATE VIEW, DROP ANY VIEW,
  CREATE SEQUENCE, DROP ANY SEQUENCE TO <WR_USER_SCHEMA>;
```

4. Update <WR_USER_SCHEMA> with the oracle user that will be used for WebRadar

5. Save the sql file (WebRadar_Oracle.sql)
6. On the Oracle Server, start sqlplus as a sysdba user

Example:

```
sqlplus sys/passw0rd as SYSDBA
```

7. Run the sql file

Example:

```
@F:\WebRadar_Oracle.sql
```

8. Verify each command was successful

```
F:\>sqlplus sys/passw0rd as SYSDBA
SQL*Plus: Release 11.2.0.1.0 Production on Wed Aug 3 21:50:03 2016
Copyright (c) 1982, 2010, Oracle. All rights reserved.

Connected to:
Oracle Database 11g Enterprise Edition Release 11.2.0.1.0 - Production
With the Partitioning, OLAP, Data Mining and Real Application Testing options
SQL> @F:\WebRadar_Oracle.sql
User created.

Grant succeeded.

User altered.

Grant succeeded.
SQL> _
```

3 Setup WebSphere Portal

1. Open the wkplc.properties of the WebSphere Portal profile with an editor

```
<WP_PROFILE>/ConfigEngine/properties/wkplc.properties
```

2. Update/Validate the following variables

- o WasUserId
- o WasPassword
- o PortalAdminId
- o PortalAdminPwd

Example:

```
WasUserId=wpadmin  
WasPassword=passw0rd  
PortalAdminId=wpadmin  
PortalAdminPwd=passw0rd
```

3. Save the wkplc.properties

4 Setup for Cluster Installation

If the WebSphere Portal environment is not a cluster, this section can be skipped.

<http://docs.ephox.com/display/WebRadar/Setup+for+Cluster+Installation#SetupforClusterInstallation-SetupNamespaceBindingforCluster>

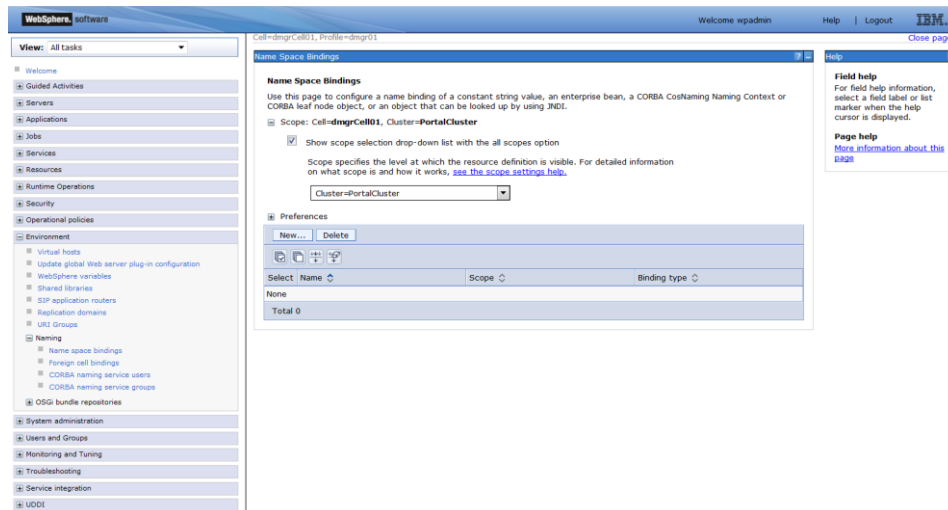
4.1 Name Space Binding for Cluster

<http://docs.ephox.com/display/WebRadar/Setup+for+Cluster+Installation#SetupforClusterInstallation-SetupNamespaceBindingforCluster>

1. Open a Browser and set the URL to the Deployment Manager

`https://<HOSTNAME>:PORT>/ibm/console`

2. Login as an Administration



3. Navigate to Environment > Naming > Name space bindings

4. Set the Scope to the WebSphere Portal Cluster

Example:

`Cluster=PortalCluster`

5. Click New...

New Name Space Binding

Use this wizard to configure a new name space binding.

Step 1: Specify binding type

Step 2: Specify basic properties

Step 3: Summary

Specify binding type

Scope
cells:dmgrCell01:clusters:PortalCluster

Binding type

☒ String

☐ EJB

☐ CORBA

☐ Indirect

Next Cancel

6. Under Binding type, select String

7. Click Next

New Name Space Binding

Use this wizard to configure a new name space binding.

Step 2: Specify basic properties

Step 1: Specify binding type

Step 3: Summary

Specify basic properties

Scope
cells:dmgrCell01:clusters:PortalCluster

Binding type
String

* Binding identifier
EphoxWebRadarPrimary

* Name in name space relative to lookup name prefix 'cell/clusters/PortalCluster/'
ephox/WebRadarPrimary

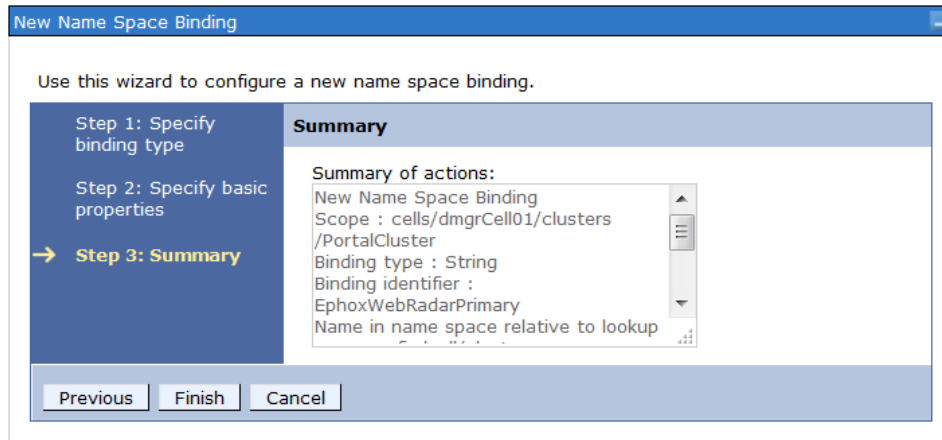
* String value
0

Previous Next Cancel

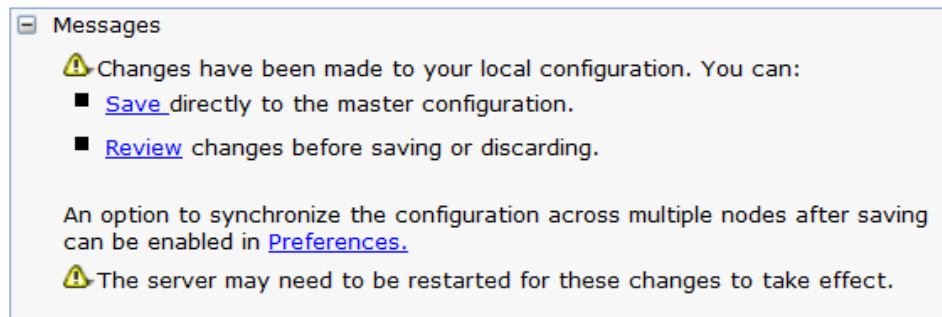
8. Update the following Variables

Binding identifier	EphoxWebRadarPrimary
Name in name space relative to lookup name prefix 'cell/clusters/PortalCluster/'	ephox/WebRadarPrimary
String value	0

9. Click Next



10. Click Finish



11. Click [Save](#) to save to the master configuration

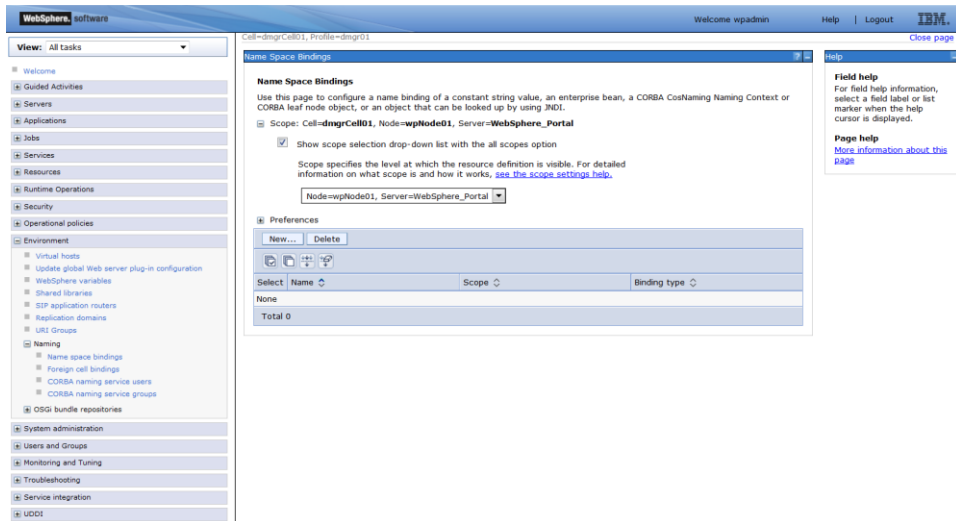
4.2 Name Space Binding for Primary Server

<http://docs.ephox.com/display/WebRadar/Setup+for+Cluster+Installation#SetupforClusterInstallation-SetupNameSpaceBindingforPrimaryServer>

1. Open a Browser and set the URL to the Deployment Manager

`https://<HOSTNAME>:PORT/ibm/console`

2. Login as an Administration

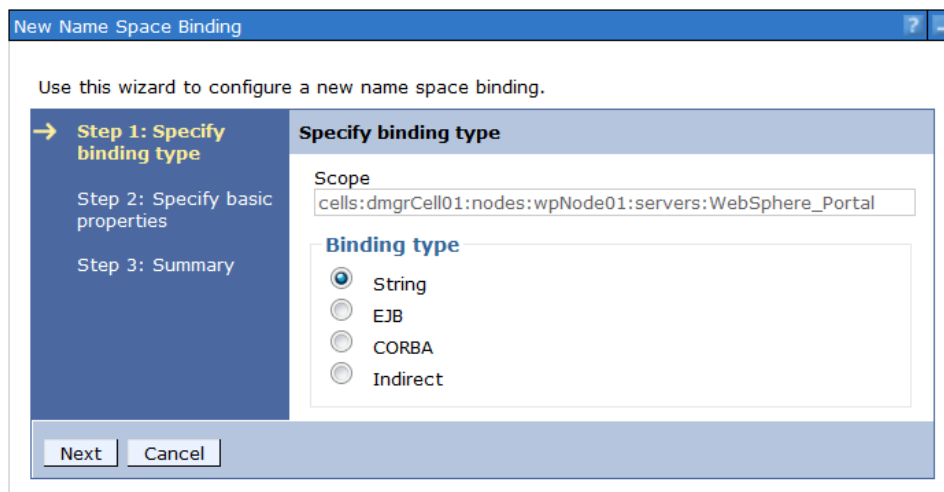


3. Navigate to Environment > Naming > Name space bindings
4. Set the Scope to the WebSphere Portal Primary Server

Example:

Node=wpNode01, Server=WebSphere_Portal

5. Click New...



6. Under Binding type, select String
7. Click Next

New Name Space Binding

Use this wizard to configure a new name space binding.

Step 1: Specify binding type
→ Step 2: Specify basic properties
 Step 3: Summary

Specify basic properties

Scope

Binding type

* Binding identifier

* Name in name space relative to lookup name prefix 'cell/nodes/wpNode01/servers/WebSphere_Portal/'

* String value

Previous Next Cancel

8. Update the following Variables

Binding identifier	EphoxWebRadarPrimary
Name in name space relative to lookup name prefix 'cell/clusters/PortalCluster/'	ephox/WebRadarPrimary
String value	0

9. Click Next

New Name Space Binding

Use this wizard to configure a new name space binding.

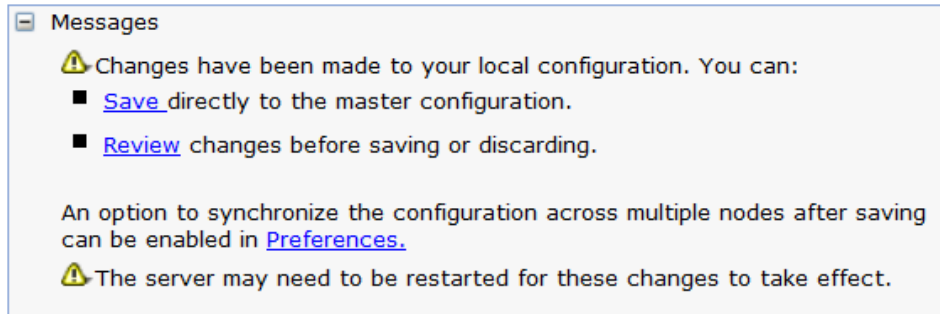
Step 1: Specify binding type
 Step 2: Specify basic properties
→ Step 3: Summary

Summary

Summary of actions:
 New Name Space Binding
 Scope : cells/dmgrCell01/nodes/wpNode01/servers/WebSphere_Portal
 Binding type : String
 Binding identifier : EphoxWebRadarPrimary
 Name in name space relative to lookup

Previous Finish Cancel

10. Click Finish



11. Click [Save](#) to save to the master configuration

4.3 Restart WebSphere JVM

1. Resynchronize all WebSphere Portal nodes through the Deployment Manager
2. Stop WebSphere Portal if started

```
<WP_PROFILE>/bin/stopServer.(bat/sh) WebSphere_Portal  
-user <WASUSERID> -password <WASPASSWORD>
```

3. Stop Node agents

```
<WP_PROFILE>/bin/stopNode.(bat/sh)  
-user <WASUSERID> -password <WASPASSWORD>
```

4. Stop Deployment Manager

```
<DMGR_PROFILE>/bin/stopManager.(bat/sh)  
-user <WASUSERID> -password <WASPASSWORD>
```

5. Start Deployment Manager

```
<DMGR_PROFILE>/bin/startManager.(bat/sh)
```

6. Start Deployment Manager

```
<DMGR_PROFILE>/bin/startNode.(bat/sh)
```

5 Ephox WebRadar

<http://docs.ephox.com/display/WebRadar/Installing+WebRadar+Application+and+Portlet>

5.1 Media

1. Download the WebRadar media from the following location

<https://greenhouse.lotus.com/plugins/plugincatalog.nsf/assetDetails.xsp?action=editDocument&documentId=05BDBC853494527B85257CA50009830C>

2. Save the install.zip file to a temporary location

```
<TEMP_LOCATION>/install.zip
```

Example:

```
F:\install.zip
```

3. Extract install.zip

```
webradar/license/...
webradar/paa/...
webradar/checkVersion.xml
webradar/install.bat
webradar/install.sh
webradar/README.txt
webradar/webradar-application.properties
webradar/webradar-install.properties
```

5.2 webradar-install.properties

<http://docs.ephox.com/display/WebRadar/Install+Application+and+Portlet>

1. Open webradar-install.properties with a text editor located in the extracted directory of the install.zip

```
<TEMP_LOCATION>webradar/webradar-install.properties
```

2. Update the PROFILE_DIR variable and set it to the WebSphere Portal profile directory

```
PROFILE_DIR=<WebSphere Install Directory>/wp_profile
```

Example Windows:

```
PROFILE_DIR=E:\IBM\WebSphere\wp_profile
```

Example UNIX/LINUX:

```
PROFILE_DIR=/opt/IBM/WebSphere/wp_profile
```

3. Save webradar-install.properties

5.3 webradar-application.properties

<http://docs.ephox.com/display/WebRadar/Install+Application+and+Portlet>

1. Open webradar-applications.properties with a text editor located in the extracted directory of the install.zip

```
<TEMP_LOCATION>webradar/webradar-applications.properties
```

2. Update the “WebRadar Database Name” section

Before:

```
# WebRadar Database Name
#WebRadar.dbName=WEBRADAR
#WebRadar.dbServerName=localhost
#WebRadar.dbPort=50000
```

After Example:

```
# WebRadar Database Name
WebRadar.dbName=WP85DB
WebRadar.dbServerName=myoracle.ibm.com
WebRadar.dbPort=1521
```

3. Update the “DB User Credentials” section. The user provider for dbUser will also be the WebRadar schema.

Before:

```
# DB User Credentials
#WebRadar.dbUser=ReplaceWithYourUser
#WebRadar.dbPassword=ReplaceWithYourPassword
```

After Example:

```
# DB User Credentials
WebRadar.dbUser=WRUSER
WebRadar.dbPassword=passw0rd
```

4. Update the “DB Type db2/oracle/sqlserver2005” section

Before:

```
# DB Type db2/oracle/sqlserver2005
#WebRadar.dbType=
```

After Example:

```
# DB Type db2/oracle/sqlserver2005
WebRadar.dbType=oracle
```

5. Update the “WebRadar DataSource Name” section. The WebRadar installation will create a new DataSource for WebRadar. Do not use an existing Data Source.

Before:

```
# WebRadar DataSource Name
#WebRadar.dsName=WebRadar
```

After Example:

```
# WebRadar DataSource Name
WebRadar.dsName=WebRadarDS
```

6. Update the “JDBC Provider Details” section. In the example, the JDBC provider will be the same as the WebSphere Portal JDBC provider.

Before:

```
# JDBC Provider Details
#WebRadar.jdbcProvider=${WebRadar.dbType}.JdbcProviderName}
#WebRadar.dbUrl=jdbc:${WebRadar.dbType}://${WebRadar
.dbServerName}:${WebRadar.dbPort}/${WebRadar.dbName}
```

After Example:

```
# JDBC Provider Details
WebRadar.jdbcProvider=wpdbJDBC_oracle
WebRadar.dbUrl=jdbc:oracle:thin:@//myoracle.ibm.com:1521/WP85DB
```

7. Save webradar-application.properties

5.4 Install Ephox WebRadar

<http://docs.ephox.com/display/WebRadar/Install+Application+and+Portlet>

1. Verify/Start the Deployment Manager is running
2. Verify/Start the node agent
3. Open a command prompt to the webradar media directory
4. If this is a unix environment run dos2unix on both property files

```
# dos2unix webradar-install.properties
# dos2unix webradar-application.properties
```

5. Run install.(bat/sh) to start the installation of WebRadar

```
[delete] Deleting directory E:\IBM\WebSphere\wp_profile\ConfigEngine\config\w
ork
[echo] Done.
cleanup-config:
[echo] executing post-configuration tasks
BUILD SUCCESSFUL
is1series currently set to: null
update-registry-sync-property:
[echo] updated RegistrySynchronized in file wkplc.properties with value: tr
ue
print-final-message:
F:\webradar>
```

6. When the installation is complete, there will be a **BUILD SUCCESSFUL** message.

7. Restart WebSphere Portal if started

```
<WP_PROFILE>/bin/stopServer.(bat/sh) WebSphere_Portal  
-user <WASUSERID> -password <WASPASSWORD>
```

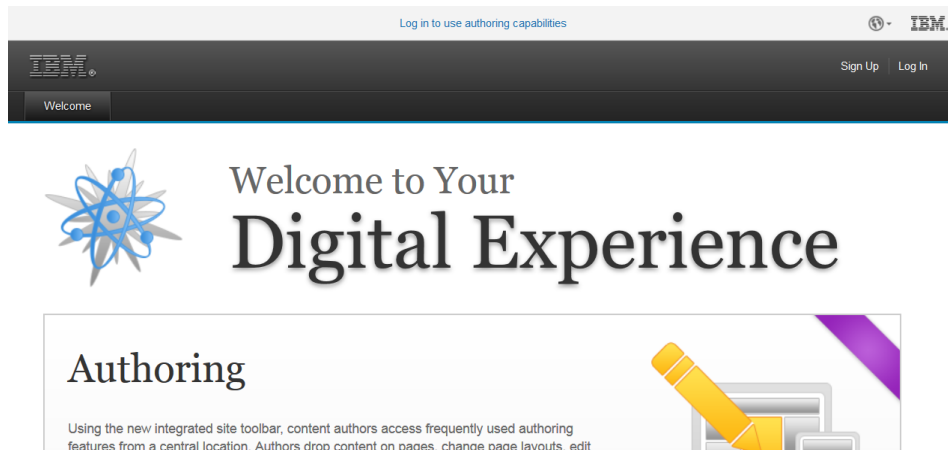
```
<WP_PROFILE>/bin/startServer.(bat/sh) WebSphere_Portal
```


6 Add Portlets to Pages

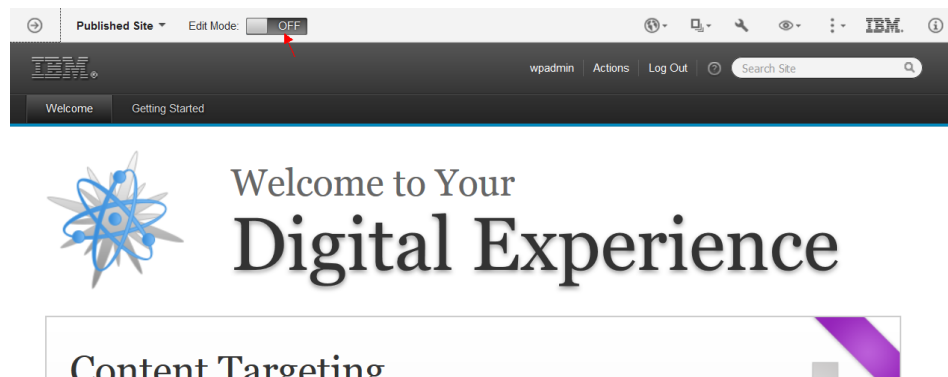
<http://docs.ephox.com/display/WebRadar/Adding+the+WebRadar+Portlet+to+Pages>

The images were screen captured from a WebSphere Portal 8.5 CF11 server. The steps may differ from different cumulative fixes.

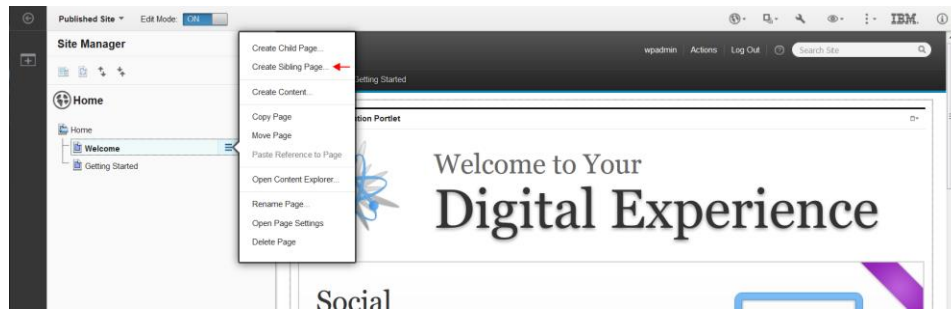
1. Open a browser and set the URL to WebSphere Portal



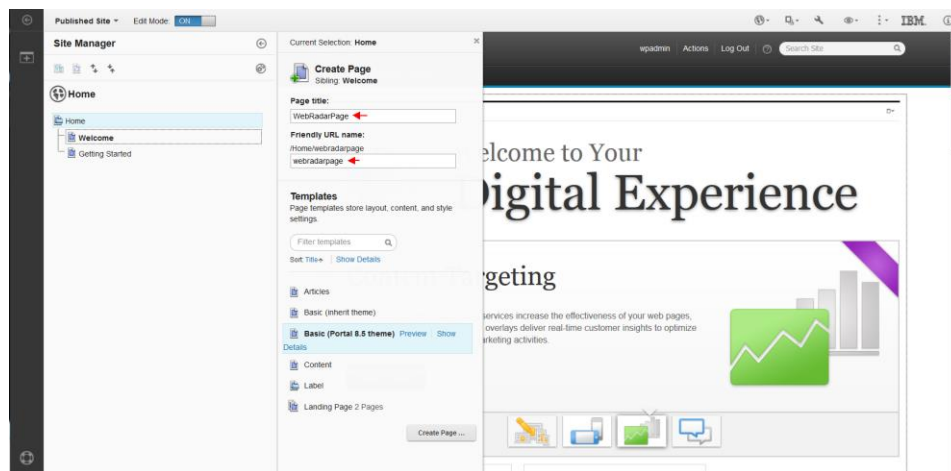
2. Click Log In and login as a WebSphere Portal administrator



3. Navigate to the location of where you would like to create the page. In the image, we will be creating the page under "Home"
4. Next to "Edit Mode:", click the word OFF to enable edit mode



5. Click the “Open Context menu” icon left of any page
6. Select “Create Child Page...” or Create Sibling Page...”. In the image, “Create Sibling Page...” was selected.



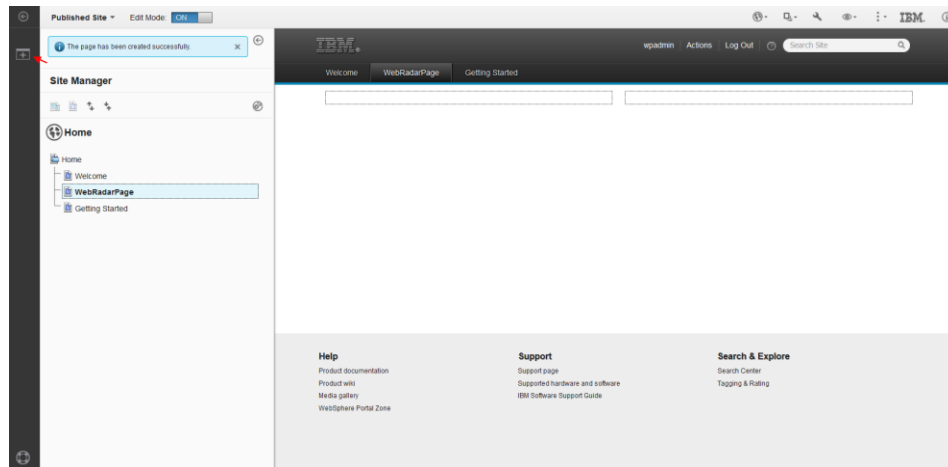
7. Fill in the variable “Page title”. This will fill in the “Friendly URL name:” automatically.

Page title: _____

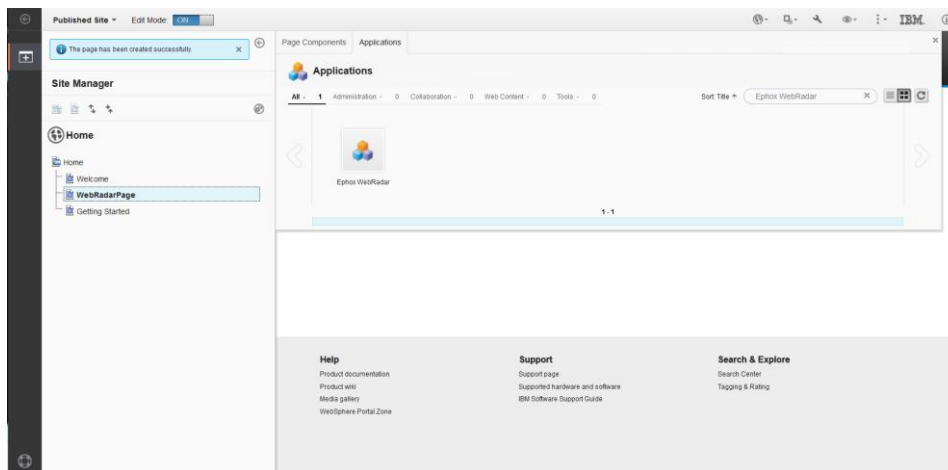
Example:

Page title = WebRadarpage

8. Optional: Update the “Friendly URL name” if another context is preferred
9. Click “Create Page...”



10. Click the “Add page components and applications”  icon

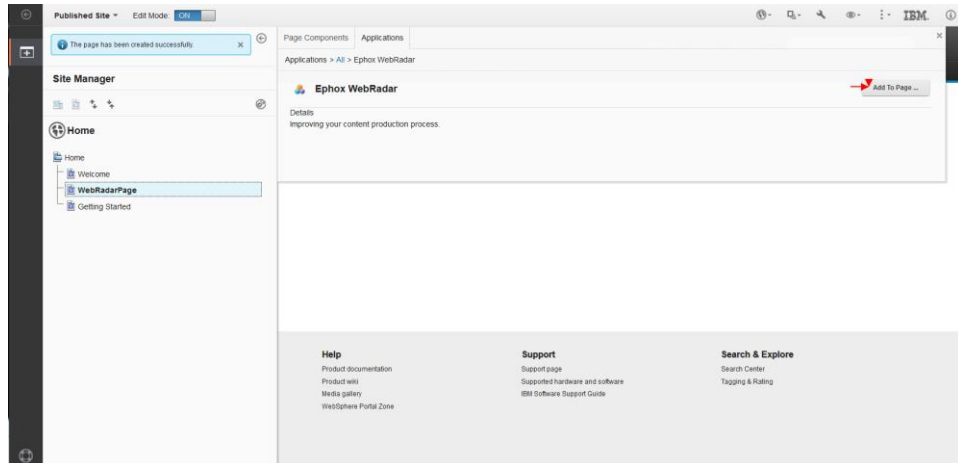


11. Click the Applications tab

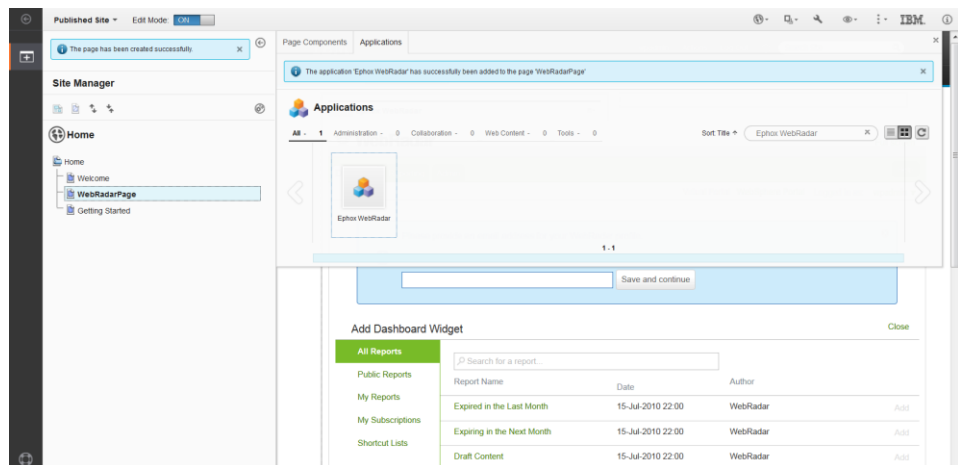
12. Enter “Ephox WebRadar” in the search box

13. Click the Search  icon to start the search

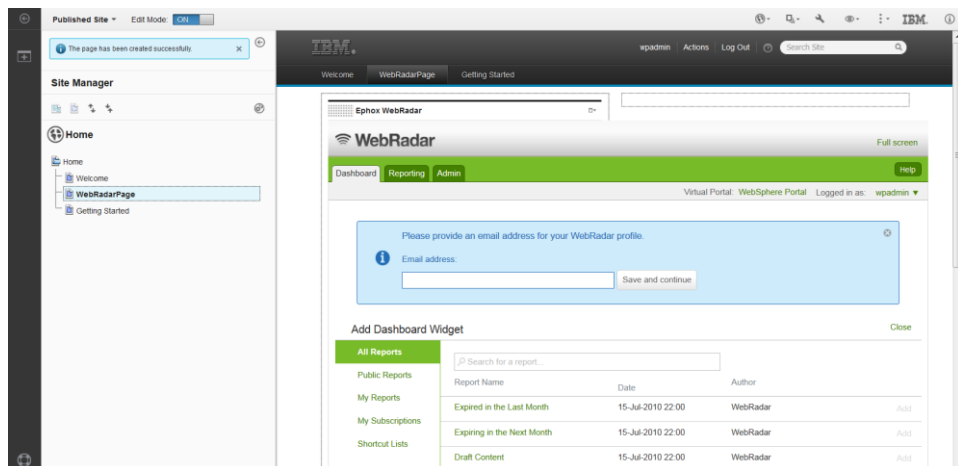
14. Click “Ephox Webradar” in the list



15. Click “Add To Page...”



16. Click on the page to close the Applications Page



7 Map Users and Groups (optional)

<http://docs.ephox.com/display/WebRadar/Map+Users+and+Groups>

Ephox WebRadar has 3 different types of role. Each role is configured in the WAS Console.

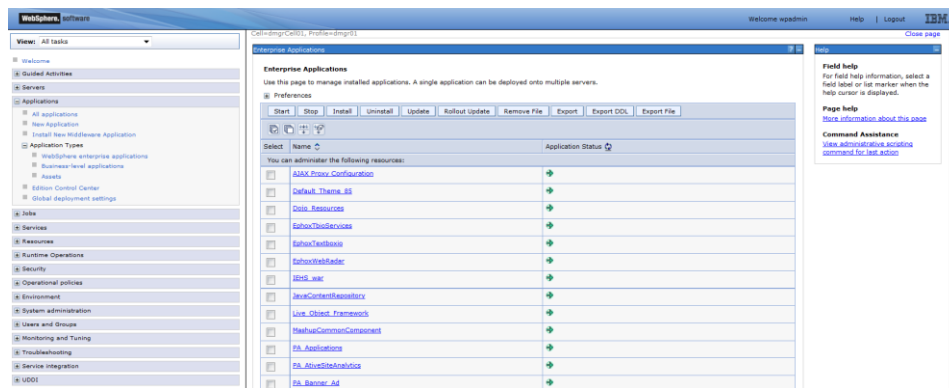
Review the following link for a description of each role

<http://docs.ephox.com/display/WebRadar/WebRadar+Roles>

1. Open a Browser and set the URL to the Deployment Manager

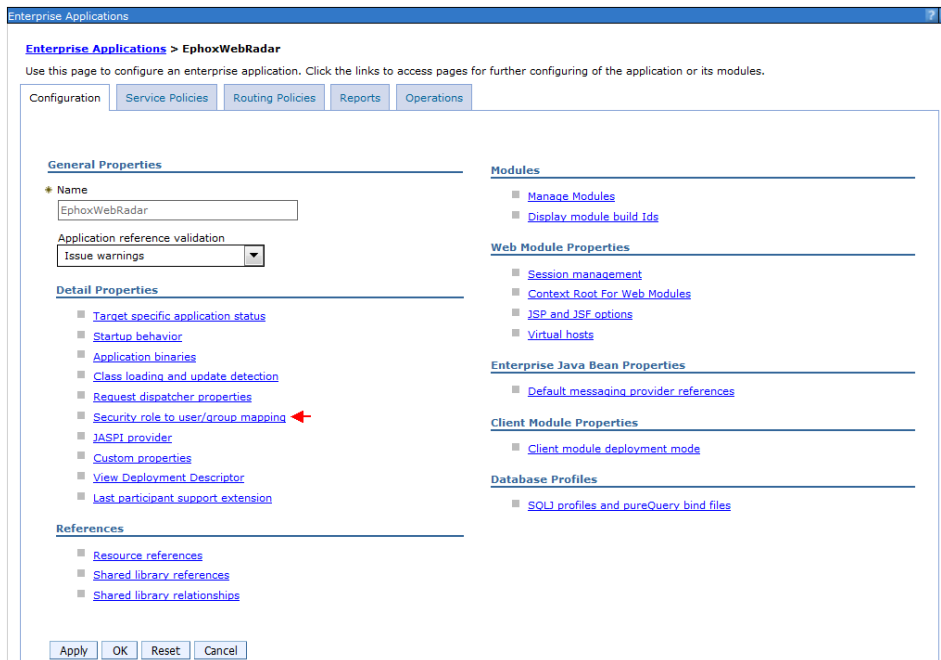
https://<HOSTNAME>:PORT>/ibm/console

- ## 2. Login as an Administration

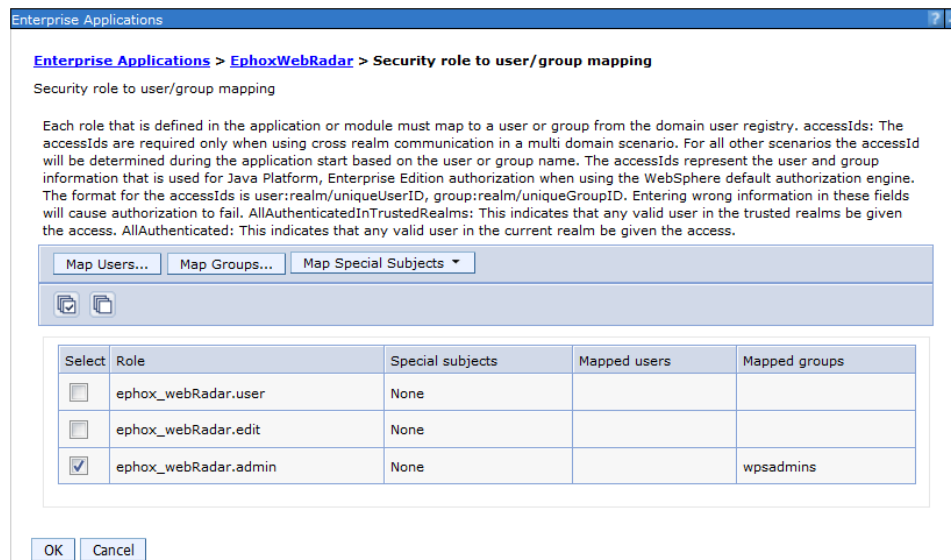


3. Navigate to **Spplications > Application Types > WebSphere enterprise applications**

- #### 4. Under Name, Click EphoxWebRadar



5. Under Detail Properties, click “Security role to user/group mapping”



6. Check the checkbox by the role being updated. In the example, Admin will be selected

- ephox_webRadar.user
- ephox_webRadar.edit
- ephox_webRadar.admin

7. Click “Map Groups...” or “Map Users...”. In the example, “Map Groups...” was chosen

Enterprise Applications

[Enterprise Applications](#) > [EphoxWebRadar](#) > [Security role to user/group mapping](#) > **Map users/groups**

Use this page to search for users or groups and add them to the selected roles.

■ ephox_webRadar.admin

Search and Select Groups

Decide how many results to display, enter a search string (use * for wildcard), and click Search. Select groups in the Available list and add them to the Mapped to role list.

Display a maximum of results

Search string

Available:

WebRadar_Admins

➡

⬅

Selected:

wpsadmins

8. Under Search string, search for the group/user for the WebRadar role. In the example, “WebRadar_Admins” was used.

Enterprise Applications

[Enterprise Applications](#) > [EphoxWebRadar](#) > [Security role to user/group mapping](#) > **Map users/groups**

Use this page to search for users or groups and add them to the selected roles.

■ ephox_webRadar.admin

Search and Select Groups

Decide how many results to display, enter a search string (use * for wildcard), and click Search. Select groups in the Available list and add them to the Mapped to role list.

Display a maximum of results

Search string

Available:

WebRadar_Admins

Left arrow

Right arrow

Selected:

wpsadmins

9. Under the Available list, select the user/group

10. Click the Right arrow 

Enterprise Applications

[Enterprise Applications](#) > [EphoxWebRadar](#) > [Security role to user/group mapping](#) > **Map users/groups**

Use this page to search for users or groups and add them to the selected roles.

■ ephox_webRadar.admin

Search and Select Groups

Decide how many results to display, enter a search string (use * for wildcard), and click Search. Select groups in the Available list and add them to the Mapped to role list.

Display a maximum of results

Search string

Available:

Selected:

wpsadmins

WebRadar_Admins

11. Click OK

12. Restart the WebSphere Portal Server

```
<WP_PROFILE>/bin/stopServer.(bat/sh) WebSphere_Portal  
-user <WASUSERID> -password <WASPASSWORD>
```

```
<WP_PROFILE>/bin/startServer.(bat/sh) WebSphere_Portal
```