WebSphere[®] Commerce Feature Pack 2 – Lab exercise

Deploying and configuring sample portlets

What this exercise is about	2
Lab requirements	2
What you should be able to do	2
Exercise instructions	2
Part 1: Enable Rational Application Developer V7 WebSphere Portal tools	4
Part 2: Configure WebSphere Portal V6.0 server for WebSphere Commerce portlets testing:	6
Part 3: Configure TCP/IP Monitor	11
Part 4: Import and deploy the MVCPortlet.war file	13
Part 5: Configuring simulated single sign on for Commerce portlets	20
Part 6: Set up the wires for the Commerce portlets	22
Part 7: Register the static content URL reference on WebSphere Portal's WebSphere Application Server	24
Part 8: Verify operation of portlets	26
What you did in this exercise	31

What this exercise is about

The objective of this lab is to provide detailed instructions for setting up Rational[®] Application Developer V7 for portal development and testing environment; and for deploying, configuring and testing the MVCPortlet sample.

Lab requirements

- Rational Application Developer V7.0 with the WebSphere Portal V6 test environment installed
- WebSphere Commerce Developer V6.0 with WebSphere Commerce Feature Pack 2 installed

What you should be able to do

At the end of this lab you should be able to:

- Setup Rational Application Developer V7 for portal development and testing.
- Install sample application MVCPortlet and configure the sample portlets.

Exercise instructions

Some instructions in this lab may be Windows[®] operating-system specific. If you plan on running the lab on an operating-system other than Windows, you need to run the appropriate commands, and use appropriate files for your operating system. The directory locations are specified in the lab instructions using symbolic references. The following table is a list of symbolic references that you must supply a value that is specific to your particular installation.

Reference variable	Description
<rad7_workspace></rad7_workspace>	Workspace directory for Rational Application Developer V7
<rad7_was_admin></rad7_was_admin>	Administrator ID for WebSphere Application Server test environment
<rad7_was_admin_pass></rad7_was_admin_pass>	Administrator password for WebSphere Application Server V7 test environment
<rad7_portal_admin></rad7_portal_admin>	Administrator ID for WebSphere Portal Server test environment
<rad7_portal_admin_pass></rad7_portal_admin_pass>	Administrator password for WebSphere Portal Server in RAD 7 testing environment
<rad7_portal_home></rad7_portal_home>	WebSphere Portal Server installation location in RAD 7 testing environment
<wcde_install_dir></wcde_install_dir>	WebSphere Commerce Developer installation directory
<wcde_admin></wcde_admin>	WebSphere Commerce site administrator ID for Commerce developer
<wcde_admin_pass></wcde_admin_pass>	WebSphere Commerce site administrator password for Commerce developer
<wcde_consumer_direct_port></wcde_consumer_direct_port>	Port number for the ConsumerDirect store running in the WebSphere Commerce Developer
<wcde_host></wcde_host>	Hostname for WebSphere Commerce Developer

Part 1: Enable Rational Application Developer V7 WebSphere Portal tools

- _____1. Launch Rational Application Developer V7.
- _____2. Select <RAD7_WORKSPACE> as the workspace directory. For example C:\WCPortlet_Test.

🗿 Workspa	ce Launcher		×
Select a v	workspace		
Rational Appl Choose a wo	ication Developer stores your project rkspace folder to use for this session	ts in a folder called a workspac '	e.
<u>W</u> orkspace:	C:\WCPortlet_Test	•	Browse
(?)		ОК	Cancel

- _____ 3. Click OK.
- _____4. Close the Welcome Screen if it is open.



- 5. From the Rational Application Developer 7.0 workbench menu bar, select **Windows** \rightarrow **Preferences.**
- ____6. From the Preferences dialog, expand General to select Capabilities in the left frame (General → Preferences).

O Preferences		_ 🗆 🗵
type filter text	Capabilities	$\Leftrightarrow \bullet \Rightarrow \bullet$
- General - Appearance Capabilities	Capabilities allow you to enable or disable various product compon capabilities are grouped according to a set of predefined categorie	ents. These :s.
Compare/Patch Content Types	✓ Prompt when enabling capabilities	
	Capabilities: Description:	
 Keys Perspectives Search Startup and Shuto Web Browser Welcome Workspace Active Correlation Tec Agent Controller Analysis Ant Backward Compatibilit Crystal Reports Data Help Install/Update Internet J2EE Java 	Image: Size Developer (locked) Image: Size Developer (advanced) (locked) Image: Size Developer (basic) (locked) Image: Size Developer (locked)	
Jython	Enable All Disable All	Advanced
	Restore <u>D</u> efaults	Apply
0	ОК	Cancel

- _____7. Select Enable All and click OK to close Capabilities window.
- 8. Restart the Rational Application Developer.

Part 2: Configure WebSphere Portal V6.0 server for WebSphere Commerce portlets testing:

_____1. In the bottom frame, select the **Servers** tab.

Problems Tasks Properties 👫 Servers 🗙	Database Explorer Snippets	🂠 🜔 🖉 🐁 🗏 🔛 🗖	
Server	Status	State	
WebSphere Application Server v6.1	ដ Stopped	Republish	

9. While you are in the **Servers** view, right click over the white space to create a new server (**New** → **Server**).

Problems Tasks Properties 👬 Servers 🗙	Database Explorer Snippets		\$ 0 🖉	e A	
Server	Status	State			
WebSphere Application Server v6.1	遣 Stopped	Republish			
		. [
	New	▶ 🚏 Server			
	New Add and Remove Projects	Server			

- _____10. From the **New Server** dialog:
 - ____a. Select WebSphere Portal Server 6.0.
 - ____b. Leave the other field values as the default. Click Next.

O New Server	×
Define a New Server Choose the type of server to create	
Server's <u>h</u> ost name: localhost Select the <u>s</u> erver type:	Don't see your server listed? Click here
WebSphere Portal v5.1 Server Attach WebSphere Portal v5.1 Test Environment WebSphere Portal v6.0 Server WebSphere v5 Server Attach WebSphere v5.1 Server WebSphere v5.1 Test Environment	▼ View By: Vendor
Description: WebSphere Portal v6.0 Server	
Server runtime: WebSphere Portal v6.0	Installed Runtimes
⑦ < <u>B</u> ack <u>N</u> ext	> Einish Cancel

_____ 11. In the **WebSphere Settings** panel:

- ____a. Ensure the Server connection type is **SOAP** and ensure the correct **SOAP** port is used.
- ____b. Enter the user ID and password for **WebSphere Security Authentication**:
 - User ID : <RAD7_WAS_ADMIN>
 - **Password :** <RAD7_WAS_ADMIN_PASS>

🗿 New Server		×
WebSphere S Enter the WebSphe	ettings are settings for the new server.	9
Server connection RMI (Designer ORB bootstr SOAP (Designer SOAP conner Run server with WebSobere security	on type and admin port ed to improve communication with the server) rap port: 10031 ined to be more firewall compatible) ector port: 10033 th resources within the workspace	
User <u>I</u> D:	wasadmin	
Pa <u>s</u> sword:	****	
		cont
(?)	< <u>Back</u> <u>N</u> ext > <u>Finish</u>	Cancel

- _____ 12. Click Next.
- _____ 13. In the WebSphere Portal Settings panel, provide following values in the fields:
 - ____a. Context Root : /wps
 - ____b. Default Home : /portal
 - ____ c. Personalized Home : /myportal
 - ____d. Install Location : <RAD7_PORTAL_HOME>
 - ____e. WebSphere Portal Administrator
 - User ID : <RAD7_PORTAL_ADMIN>
 - **Password :** <RAD7_PORTAL_ADMIN_PASS>
 - Enable Automatic Login : Selected

💿 New Server	×
WebSphere Por Enter WebSphere Port	rtal Settings tal settings for the new server.
Context root:	/wps
Default home:	/portal
Personalized home:	/myportal
Install location:	C:/PortalServer6.0
	For example, C:\Program Files\WebSphere\PortalServer or /opt/websphere/portalserver.
WebSphere Portal Ad	ministrator
User ID: wpsa	admin
Password ****	****
🔽 Enable automatic	login
User ID: wps	admin
Pass <u>w</u> ord: ***	****
0	< Back Next > Einish Cancel

- _____ 14. Click Finish
- 15. Ensure that WebSphere Portal Server is added to the Servers list

Problems Tasks Properties 👫 Servers 🗙 Database Explorer Sr	hippets	🌣 🜔 🖉 😓 🔳 🔁 🗖
Server	Status	State
WebSphere Application Server v6.1	🖥 Stopped	Republish
🐻 WebSphere Portal v6.0 Server @ wsbeta158.austin.ibm.com	🚡 Stopped	Republish
↓		Þ

- _____ 16. Double click the portal testing server that you just created in the **Servers** view.
 - ____a. Verify that **Optimize Server for testing and developing** is selected under the Server session tab.
 - ____b. Verify **SOAP** in the **Server connection type and admin port** field is selected.
 - ____ c. Expand Automatic Publishing and select Use default publishing settings.
 - _____d. Save the configuration and close it.

 General 				 Automatic Publishing
Specify the host name	and other common setting:	5.		Override when the server is automat
Server name:	WebSphere Portal v6.0 S	5erver @ localhost		 Use default publishing settings
Host name:	localhost			O Never publish automatically
Runtime:	WebSphere Portal v6.0		▼ Edit	O Override default settings
Configuration path:	/Servers/WebSphere Po	tal v6.0 Server @ localhost-config	Browse	Publishing interval (in seconds):
▼ Server				▼ Publishing
Enter settings for the s	server.			Modify the publishing settings.
WebSphere profile na	ame:	wp_profile	V	🖸 Run server with resources withi
Update server status	interval (in milliseconds):	5000		O Run server with resources on S
Server connection I	ype and admin port			Minimize application files copied
O RMI (Designed (o improve communication v	vith the server)		
ORB bootstrap	port: 10031			Security
SOAP (Designed	to be more firewall compa	tible)		
SOAP connecto	r port: 10033			Network Deployment
 Enable hot metho Enable universal I Optimize server for Terminate server 	d replace in debug mode test client or testing and developing on workbench shutdown			

____ 17. Right click the portal testing server and select **Start** to start it. Ensure the server starts without errors.

Part 3: Configure TCP/IP Monitor

- _____1. From the main menu, select **Windows > Preferences**.
- _____ 18. In the **Preferences** dialog, expand **Run/Debug** and select **TCP/IP Monitor**.

O Preferences					
type filter text		lonitor			⇔ • ⇒ •
÷ • Plug-in Development ▲ • • Portal	Configure TC	P/IP monitors on loca	al and remote por	ts.	
Process	Show the	TCP/IP Monitor view	when there is a	tivity	
⊡ · Profiling and Logging ⊡ · Run/Debug	TCP/IP <u>M</u> onit	ors:			
Console	Status	Host name	Туре	Local Port	<u>A</u> dd
DB2 Stored Proce					Edit
External Tools E. Java and Mixed L					<u>R</u> emove
					Start
TCP/IP Monitor					Stop
···· View Management ····· XSLT Debug					
÷ Server SIP					
0			[ОК	Cancel

- _____ 19. Click the **Add** button in the right frame.
- _____ 20. Enter the following information in the **New Monitor** dialog:

Local Monitoring port:	81
Hostname :	<wcde_host></wcde_host>
Port:	8007
Туре :	HTTP

٢	Edit Monitor	×
ļ	Local monitoring port: 81	
	Monitor	
	<u>H</u> ost name:	localhost
	Port:	8007
	<u>T</u> ype:	HTTP
	Timeout (in milliseconds):	0
		OK Cancel

- _____ 21. Click OK.
- 22. Select the TCP/IP Monitor you just added and click **Start**.

Preferences					
type filter text	TCP/IP Ma	onitor			$\Leftrightarrow \bullet \Rightarrow \bullet$
■ Profiling and Loggin ■ Run/Debug Console	Configure TCP/	'IP monitors on local and CP/IP Monitor view whe	remote ports. n there is activity		
DB2 Stored Prov Debug Daemon	TCP/IP Monitor	s:			
- External Tools	Status	Host name	Туре	Local Port	<u>A</u> dd
⊕ Java and Mixed	🖵 Stopped	localhost:8007	HTTP	81	Edit
Perspectives					
String Substitut					Remove
TCP/IP Monitor					Start
XSLT Debug					
					Stop
0				ОК	Cancel

_____23. Click **OK** to close the **Preferences** window.

Part 4: Import and deploy the MVCPortlet.war file

_____1. From the menu bar, click File > Import, select Web > WAR file, and click Next.

💿 Import	×
Select Import an external WAR file into a Web Project	è
Select an import source: type filter text	
Team Test ✓ Test ✓ ✓ ✓ ✓ ✓ ✓ ✓	•
⑦ < Back Next > Einish	Cancel

____2. From the **WAR Import** dialog, ensure the following information is provided:

_____a. War File : use the Browse button to select file MVCPortlet.war.

Note: After you install WebSphere Commerce V6 Feature Pack 2, the MVCPortlet.war file is in the directory <WCDE_INSTALL_DIR>\components\wcportal\MVCPortlet. You need to copy this file to the Rational Application Developer V7 machine if WebSphere Commerce Developer and Rational Application Developer V7 are on two different machines.

- ____b. Web Project: Ensure the Web Project name is populated as MVCPortlet.
- ____ c. Target Run Time: Select "WebSphere Portal v6.0" from the drop-down list.
- ____ d. In EAR Membership:
 - Ensure the check box next to "Add Project to an EAR" is selected.
 - Ensure the EAR Project Name is populated as MVCPortletEAR.

🗿 Import		×
WAR Import Import a WAR file	e from the file system	
WAR file:	C:\WCToolkitEE60\components\wcportal\MVCPortlet\MVCPortlel	Browse
Web project:	MVCPortlet	
Target runtime:	WebSphere Portal v6.0	N <u>e</u> w
EAR Membersh	ip t to an EAR	
EAR Project Na	me: MVCPortletEAR	New
?	< <u>B</u> ack <u>N</u> ext > <u>F</u> inish	Cancel

- ____ 24. Click Finish.
- ___ 25. Change the value of parameter **.ContextDefault-storeId** for each portlet to 10101. This is the ID for the ConsumerDirect store in WebSphere Commerce Developer Toolkit.
 - ____a. In the Project Explorer view, expand project **MVCPortlet** > **WebContent** > **WEB-INF**, Doubleclick the portlet deployment descriptor **portlet.xml** to open it.



____b. In the **Portlet Deployment Descriptor** window, click on the tab **Portlets.**

____ c. Under the **Portlets** area, select the portlet **WebSphere Commerce Search Portlet**.

_____d. Scroll down until you see the **Persistent Preference Store** area.

💀 Portlet Deployment Descriptor 🗙	
Portlets	<u>۵</u>
Portlets The following portlets are used in this portlet application: WebSphere Commerce Search Portlet WebSphere Commerce Catalog Portlet WebSphere Commerce Product Portlet WebSphere Commerce MyCart Portlet WebSphere Commerce MyOrder Portlet WebSphere Commerce MyOrder Portlet WebSphere Commerce MyAccount Portlet	 Remote Cache Indicates how the portlet is cached on a remote proxy server. Remote cache dynamic Remote cache scope: non-shared Persistent Preference Store Persistent preference values that may be used for customization and personalization by the portlet: ContextDefault-storeId Add Edit Remove
New Add Remove Edit	Validator class: com.ibm.comme Browse
Overview Portlets Security Modes States Attributes	Extensions Source

____e. In the **Persistent Preference Store** area, select **.ContextDefault-storeId**, and then click on the **Edit** button.

🗿 Edit Prefere	ence	×
<u>N</u> ame: <u>V</u> alues: 10101	.ContextDefault-storeId	
Read only	Add Remove Up Down	
	OK Cancel	

____f. Click on 10001, and change it to 10101. Click **OK**.

- ____ g. Repeat steps **c** to **f** for the other 6 portlets.
- ___h. Save the changes (Ctrl+s) and close the Portal Deployment Descriptor editor.

- 26. Change the ConsumerDirect storeld in file store-directory.properties.
 - _____i. In the Project Explorer view, expand the project MVCPortlet > WebContent > WEB-INF > config. Double click the file store-directory.properties.



____j. Change the line:

10001 = /ConsumerDirect

To be:

10101 = /ConsumerDirect

- ____k. Save the file (Ctrl+s) and close it.
- ____ 27. Deploy the sample portlets into the portal server:
 - I. From the Project Explorer view, right click on MVCPortlet project and select Run As > Run On Server

Project Explorer	Export			
	🗞 Refresh	F5		
MVCPortlet	Clo <u>s</u> e Project Close <u>U</u> nrelated Projects			
🗄 🗁 Servers	<u>R</u> un As		•	📙 <u>1</u> Run on Server
	<u>D</u> ebug As		- F	🐖 2 Java Applet

____m. From the **Run on Server** dialog, select **WebSphere Portal v6.0 Server** and accept the rest as defaults.

💿 Run On Server	×
Define a New Server Choose the type of server to create	
How do you want to select the server? Choose an existing server Manually define a new server Select the server that you want to use: Choose an existing server MebSphere Application Server v6.0 WebSphere Portal v6.0 Server @ localhost	
Description: WebSphere Portal v6.0	⊻iew By: Host name 💌
⑦ < <u>Back</u> Next >	<u>F</u> inish Cancel

___ n. Click Next.

____ o. Ensure **MVCPortletEAR** project is listed under **Configured Projects.**

💿 Run On Server		×
Add and Remove Proje Modify the projects that are conf	igured on the server	
Move projects to the right to cor	figure them on the server	
<u>Available projects:</u>		Configured projects:
	A <u>d</u> d > < <u>R</u> emove Add Alj >>	
0	< <u>B</u> ack <u>N</u> ext >	Einish Cancel

- ____ p. Click Finish.
- ____q. The **MVCPortletEAR** application is deployed to the Portal Server. Ensure the application is started without errors.

Note: When you deploy the portlet with **Run on Server**, the WebSphere Portal test server is started. Wait until the server has finished starting before proceeding.

Part 5: Configuring simulated single sign on for Commerce portlets

Simulated single sign-on is provided for ease of setup in Rational Application Developer where the portlet developer can be up and running without enabling security and without using LDAP. Speed of setup takes precedence over security in a development environment. To enable simulated single sign-on you must configure your WebSphere Portal Server machine.

1. The WebSphere Portal administration page should be already opened. If it is not, you can open it by right clicking over the WebSphere Portal test server in the **Servers** view, and select **Open Portal**.

Properties Quick Edit 👫 Servers 🗙 TCP/IF	Restart universal test client	🏷 🔍 🖉 🤣	🔳 🕛 🗖
Server	Reconnect debug process	State	
WebSphere Application Server v6.1	Restore original artifacts		
😐 🐻 WebSphere Portal v6.0 Server @ localhos	Open Portal	Synchronized	

- 28. Click **Administration** located at the bottom of the portal page.
- 29. Click **Portlet Management > Portlets** on the left navigation frame of the Portal Administration console
- _____ 30. On the right frame under **Manage Portlets**, use the following search criteria to locate the appropriate portlet:
 - Set the Search by field as Title contains and type Commerce in the Search field and click the Search button

Search by: Title contains 📃 💌	Search: Commerce		Search
-------------------------------	------------------	--	--------

__ 31. Seven WebSphere Commerce sample portlets are shown as below:

					Page 1 of 1
Title	Unique name	Provided	Remote portlet	Status	
WebSphere Commerce - S	earch				* 6 / 6 /
WebSphere Commerce - P	roduct				× D / D /
WebSphere Commerce - M	ly Order				* • 2 • 2
WebSphere Commerce - M	ly Cart				* • 2 • 2
WebSphere Commerce - M	ly Account				× D / D /
WebSphere Commerce - C	atalog				* • 2 • 2
WebSphere Commerce - C	ashier				× D Z Ó Z
					Page 1 of 1

__ 32. For each and every WebSphere Commerce Portlet listed, click **Configure Portlet** (⁄) icon.

- 33. In the Manage Portlets page:
 - ____a. Use the **New parameter** and **New value** fields to add following new parameters and values:

.AuthenticationType : simulated

.SimulatedSSOUserName : <WCDE_ADMIN>

.SimulatedSSOPassword : <WCDE_ADMIN_PASS>

Note: Each parameter name has a prefix ".". Ensure that no additional spaces are included when entering the authentication type. Including additional spaces causes errors.

Efficiency Tip: Copy the 3 pairs of variable/value pairs into notepad, filling in the appropriate user and password. Verify the spelling. Then copy and paste the values , one at a time, into the proper edit fields.

_ 34. An example of parameters for WebSphere Commerce - Search portlet is shown in the picture below:

Manage Portlets		-						
Configure portlet WebSphere Commerce - Search								
Parameters and Values Enter a new parameters and Values Enter a new parameter and value. Click OK t	neter and value pair in the blank fields to create a new parameter for this portlet, or cliv o keep your changes or Cancel to quit.	ck Delete to						
New parameter:	New value:							
		Page 1 of 1						
Parameter	Value							
.SimulatedSSOUserName	wcsadmin	2 🗎						
.AuthenticationType	simulated	/ 1						
.SimulatedSSOPassword	wcsadm1n	1 🖻						
.ContextDefault-storeId	10101	1 🖻						
com.ibm.portal.pagecontext.enable	true	1 🖻						
com.ibm.portal.propertybroker.wsdllocati	on /wsdl/Search.wsdl	/ Ô						
		Page 1 of 1						

- ____ 35. Click **OK** on the bottom of **Manage Portlets** page.
- ____36. Repeat these steps for each portlet.

Part 6: Set up the wires for the Commerce portlets

- 1. Click Portal User Interface > Manage Pages.
- _____ 37. Navigate to the **MVCPortlet** portal page by following the path **Content Root** > **Home** > **Rational portlets.**
- _____ 38. Click the Edit Page Layout icon (2) corresponding to the MVCPortlet page.

New Page Kev	w Label 🔺 New URL		
			Page 1 of 1
Title	Unique name	Status	
MVCPortlet	ibm.portal.rational.portlets.WebSphe	re Commerce Portlet,webmod <u>Active</u>	6 / 4 🖌 / 1
			Page 1 of 1

_____ 39. Select the **Wires** tab on the top.

____ 40. Add the following wires:

Note: Click the "+" button after you have selected the wire type to create the wire.

____a. Select the appropriate values listed in the table below:

Source portlet	Sending	Target page	Target portlet Receiving		Wire type
WebSphere Commerce - Catalog	catalogId	MVCPortlet	WebSphere Commerce - Product	Catalog_Product,catalogId	Public
WebSphere Commerce - Catalog	catGroupId	MVCPortlet	WebSphere Commerce - Product	Catalog_Product,catGroupId	Public
WebSphere Commerce - Cashier	catEntryId	MVCPortlet	WebSphere Commerce - Product	Cashier_Product,catEntryId	Public
WebSphere Commerce - My Cart	orderld	MVCPortlet	WebSphere Commerce - My Account	MyCart_MyAccount,orderId	Public
WebSphere Commerce - My Cart	orderId Ensure you chose the second orderId in the list for this wire	MVCPortlet	WebSphere Commerce - Cashier	MyCart_Cashier,orderId	Public

	orderId Select One , orderId orderId catEntryId				
WebSphere Commerce - My Cart	catEntryId	MVCPortlet	WebSphere Commerce - Product	MyCart_Product,catEntryId	Public
WebSphere Commerce - My Order	catEntryId	MVCPortlet	WebSphere Commerce - Product	MyOrder_Product,catEntryId	Public
WebSphere Commerce - Search	criteria	MVCPortlet	WebSphere Commerce - Product	Search_Product,criteria	Public

____b. The final image of the wires must look like the picture below:

Wires for page: MVCPortlet

Source portlet	Sending	Target page	Target portlet	Receiving	Wire Type
WebSphere Commerce - Catalog	catalogId	MVCPortlet	WebSphere Commerce - Product	Catalog_Product,catalogId	Public 💼
WebSphere Commerce - Catalog	catGroupId	MVCPortlet	WebSphere Commerce - Product	Catalog_Product,catGroupId	Public 💼
WebSphere Commerce - Cashier	catEntryId	MVCPortlet	WebSphere Commerce - Product	Cashier_Product,catEntryId	Public 💼
WebSphere Commerce - My Cart	orderId	MVCPortlet	WebSphere Commerce - My Account	MyCart_MyAccount,orderId	Public 🗎
WebSphere Commerce - My Cart	orderId	MVCPortlet	WebSphere Commerce - Cashier	MyCart_Cashier,orderId	Public 💼
WebSphere Commerce - My Cart	catEntryId	MVCPortlet	WebSphere Commerce - Product	MyCart_Product,catEntryId	Public 💼
WebSphere Commerce - My Order	catEntryId	MVCPortlet	WebSphere Commerce - Product	MyOrder_Product,catEntryId	Public 🗎
WebSphere Commerce - Search	criteria	MVCPortlet	WebSphere Commerce - Product	Search_Product,criteria	Public 💼

____41. Click the **Done** button to save the changes.

Part 7: Register the static content URL reference on WebSphere Portal's WebSphere Application Server

- 1. In the Rational Application Developer V7 workbench, click the **Servers** tab.
- 2. Right-click WebSphere Portal v6.0 Server > Run administrative console.

							9	Import berver Log
								Run administrative console
L							0	Create tables and data source
Problems	Tasks	Properties	👫 Servers 🗙	Database Explorer	Snippets	Cor		Export server configuration t
Server				Status			Import server configuration f	
60 V	B WebSphere Application Server v6.0							Run administrative script
💀 💼 WebSphere Portal v6.0 Server @ localhost		፟ Starte	d		Run universal test client			
								Restart universal test client

3. Logon to the administrative console using the following ID and password:

User ID:	<rad7_wa< th=""><th>\S_ADMIN></th></rad7_wa<>	\S_ADMIN>
----------	--	-----------

Password: <RAD7_WAS_ADMIN_PASS>

Note: If you leave the Portal administrative console open, you get an error page shown below. Click **OK**, and you are redirected to the login page.

③ IBM WebSphere Portal 🛛 🚱 Admin Console 🗙
Onable to login. Refer to the log files for more details.
OK

- 4. From the WebSphere Application Server administration console, select **Resources > URL Providers > Default URL Provider**.
- 42. Under Additional Properties select URLs.
- _____ 43. Add a new URL reference:

Name : External Content

JNDI name : url/com/ibm/commerce/foundation/client/portal/ExternalContent

Specification : http:// <WCDE_HOST>:<WCDE_CONSUMER_DIRECT_PORT>/wcsstore

Config	juration
Ge	neral Properties
*	Scope ells:AIMCP026Cell:nodes:AIMCP026Node
*	Name External Content
. *]	INDI name client/portal/ExternalContent
	vescription
c [ategory
*	Specification http://localhost/wcsstore
1	Apply OK Reset Cancel

- _____ 44. Click OK.
- _____ 45. Save the configuration.
- _____ 46. Restart the portal server.

Part 8: Verify operation of portlets

- 1. Start the WebSphere Commerce Test Server if it has not been started. Open a new Command Prompt window: cd <WCDE_INSTALL_DIR>\bin startWCServer
- 2. Ensure the TCP/IP Monitor is started.
 - ____a. From your Rational Application Developer V7.0 workbench menu, select Windows → Show View... → Others → Debug → TCP/IP Monitor

💽 Show Yiew		×
type filter text		
Data		-
Breakpoints		
Display		
Memory		
TCP/IP Monitor		
XSLT Context		
XSL Transformation Output		•
	OK Cance	el

- ____ b. Click **OK**. The TCP/IP Monitor view shows up in the bottom right frame of the Rational Application Developer workbench.
- ____ c. Click over the () icon located at the right side of the **TCP/IP Monitor** view to select **Properties** from the drop-down menu as shown in the picture below:

Properties	Quick Edit	Servers	Console	Problems	📱 TCP/IP Mo	nitor 🗙		IO 🖉 🖄	0-8
🛨 🗎 log	alhost:81				-		Time of	Show Header	
							Respon:	Properties	
 							Type: -	·	
Request: Size:				Ву	'te 💌	Size:		Byte	•
Header:						Header:			
					4				<u> </u>
									-
					▶	•			►

_____d. In the **TCP/IP Monitor** dialog, if the monitor status is **Stopped**, select it and click the **Start** button and ensure the status is shown as **Started**.

Preferences					_ 🗆 🗙
····· TCP/IP Monitor	TCP/IP Mo	onitor			
	Configure TCP/	'IP monitors on local and remot	e ports.		
	☑ Show the T	CP/IP Monitor view when there	e is activity		
	TCP/IP Monitor	s:			
	Status	Host name	Туре	Local Port	<u>A</u> dd
	🖳 Started	localhost:8007	HTTP	81	<u>E</u> dit
					Remove
					Start
	•				Stop
0				ок	Cancel

- ___e. Click OK.
- 3. In the Servers view, right click over the WebSphere Portal 6.0 Server and select Open Portal to open the Portal site.

Properties Quick Edit 👫 Servers 🗙 TCP/IF	Restart universal test client	🤝 🖓 🖉 🍫 🗐 🖓		
Server	Reconnect debug process	State		
🚮 WebSphere Application Server v6.1	Restore original artifacts			
😐 💼 WebSphere Portal v6.0 Server @ localhos	Open Portal	Synchronized		

_____ 47. The MVCPortlet page with the seven rendered portlets is shown below:

Launch > Home > Rational portlets > MVCPortlet >				
Rational portlets	Welcome Getting Started			
MVCPortlet				
	WebSphere Commerce - Search			
	Search:			
	63			
	WebSphere Commerce - Catalog			
	Want to know what is new to our catalog?			
	Chef's Delight			
	WebSphere Commerce - Product			
	You can select or drag a category to be displayed here.			
	WebSphere Commerce - Cashier			
	You can initiate the checkout from your shopping cart.			
	WebSphere Commerce - My Cart			
	Your shopping cart is empty.			
	WebSphere Commerce - My Order			
	No orders found.			

48. Exercise the portlets by typing a search item into the search portlet. Pick some of the items that are listed in Consumer Direct, such as **pan**. You should get a result in the Product portlet.

ortlet	
	WebSphere Commerce - Search
	Search: pan 60
	WebSphere Commerce - Catalog
	Want to know what is new to our catalog? <u>Store master catalog</u> <u>Chef's Delight</u>
	WebSphere Commerce - Product
	Your search for "pan" has produced 2 results.
	Page 1 of 1 🕨 Page: 1 🗸 🏕
	S
	Classic Frying Pan Ultra-Deluxe Frying Pan

____49. Now select one of the pans, and then select **Add to Cart**. You should wait at least 5 minutes for the first time you add an item to the shopping cart. Upon completion, you should see the item in the

shopping cart.



WebSphere Commerce - Cashier You can initiate the checkout from your shopping cart.



What you did in this exercise

You learned how to install and configure the WebSphere Commerce sample portlets and how to do basic shopping operations with portlets.