

Parallel Crystal

**WEBSPHERE 4.0
SAMPLE DOCUMENTATION**





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WebSphere 4.0 J2EE Sample
Modified 04/09/02

Disclaimer

Dynalivery Corporation provides sample source code, screencam movies, and other documentation only as aids for learning specifically about our Parallel Crystal Report Server while providing a general overview of Web Reporting.

These materials are subject to change without notice. We provide them on an "as is" basis without warranty.

Please do not treat them as production quality components to use within your own application without your own comprehensive testing.

Dynalivery recommends that its customers establish separate development, test, and production environments and promote applications and report templates step by step as they prove themselves in each environment, under conditions of realistic test data, network load, database load, and report concurrency.

In addition, Dynalivery recommends that Parallel Crystal is evaluated and operated on server computers that match or exceed the hardware specifications in our Installations Guide and with staff that have experience with the Seagate Crystal Reports Designer, Microsoft Windows NT network administration, and SDK level programming in the Web Application Server with which they are using Parallel Crystal.





Release Notes

The Multi-Threaded EJB

According to the EJB specification, Enterprise Java Beans should not be multi-threaded. However, we use a multi-threaded EJB to simulate multiple clients accessing the Parallel Crystal server. The EJB's use of Java Threads is not a valid example of how to write multi-threaded clients that work with Parallel Crystal, and should not be used in an EJB for your applications. Its placement in the EJB is for demonstration purposes in an effort to make the deployment of a sample as simple as possible.

Sample Features

To see what Crystal Reports features are in the Dynalivery downloadable samples please go to this link:
http://www.dynalivery.com/customersupport/faq/Sample_Features.html

Related Topics

Load Balancing

<http://www.products/parallelcrystal/parallelcrystal.doc.html>

<<PATH TO>> J2EESamples\docs\ **Load Balancing Guide to Installation and Configuration**

Data Source SetUp Guide

<http://www.products/parallelcrystal/parallelcrystal.doc.html>

<<PATH TO>> J2EESamples\docs\ **Data Source SetUp Guide**

File Return

<http://www.dynalivery.com/customersupport/faq/filereturn.html>

Java API

http://www.dynalivery.com/products/parallelcrystal/v2_6/doc/JavaAPIQuickReference/index.html

Output Types

PDF Output

Adobe Acrobat Reader is needed to view .pdf output. Acrobat Reader is available free at <http://www.adobe.com/> or can be loaded from the Parallel Crystal CD.

Excel and Word Output

Microsoft Word and Excel are needed to view .doc and .xls output types.





Installation Instructions

WebSphere 4.0

This sample has been written and tested based on WebSphere 4.0 with Apache http server. Earlier versions of WebSphere may not work with this sample.

Installation prerequisites

Before installing and running the sample please review the Data Source Setup Guide and make sure the DSNs have been configured prior to running the sample.

Step One – Edit and run the “installWebSphere40” batch file

The WebSphere 4.0 sample can be installed using the batch file. This batch file must be used while the server is shut down. This will permanently install the sample EJB on your server. If you want to remove the EJB you will have to run the uninstall batch file.

1. Go to <<PATH TO>> J2EESamples\bin\installWebSphere40.bat right click on the file, choose edit and verify the that the WEBSPHERE_HOME and SAMPLE_HOME are correct
2. Run the batch file.

After running the batch file, the server is started to run the sample.

Run the Sample

Please review the Data Source Setup Guide and make sure the DSNs have been configured prior to any attempt at running the sample.

The following changes should be made to the sample.config file:

Go to <<PATH TO>> J2EESamples\config\websphere40\sample.config right click on the file, choose SEND TO>>NOTEPAD and make the following changes:

1. Replace the server name value with the full DNS name of the PCRE server machine.
2. Make sure that the value for outputDir correctly matches the path to where you have installed the WebSphere server.
3. Make sure that the value for imageDir correctly matches the path to where you have installed the J2EESamples directory
4. Replace *localhost* in the value for outputURL with your machine's full DNS name
5. Make sure that the value for DORfile.location states the correct path of the <<PATH TO>> J2EESamples \dor\DORDataFile.dat file.

If you are accessing a password-protected database, modify the user name and password.

If your server is running locally, you can click on the following link to run the sample <http://localhost:9080/Pcre/index.html>. Otherwise, modify the URL to reference the server machine.

When running this sample, you will be prompted for a config directory. Modify the sample.config to match your system and type in the path to this directory when prompted: <<PATH TO>> J2EESamples\config\websphere40





Load Balancing

For detailed information on Load Balancing please review the "Load Balancing Guide to Installation and Configuration." It can be found at the link below on our website as well as in the <<PATH TO>> J2EESamples\docs directory.

<http://www.dynalivery.com/products/parallelcrystal/parallelcrystal.doc.html>

To test load balancing, you must modify the <<PATH TO>> J2EESamples\Prop\pcre.properties file to contain all of the machine names in the load balancing channel. Copy the pcre.properties file to the \WebSphere\AppServer\properties directory.

Uninstall the Sample

To uninstall the sample, you can use the Admin console or the batch file. The batch file takes the node name as a parameter. This batch file should also be used while the server is shutdown.

1. Go to <<PATH TO>> J2EESamples\bin\uninstallWebSphere40.bat right click on the file, choose edit and ensure that the setting for WEBSHERE_HOME is correct.
2. Run the batch file.