WebSphere® eXtreme Scale

IBM®

Version 7.0

Quick Start Guide

This guide is intended to get you started with installing WebSphere eXtreme Scale and running a simple application.

National Language Version: To obtain the Quick Start Guide in other languages, print the PDF from the Quick Start CD.

Product Overview

IBM® WebSphere® eXtreme Scale is an elastic, scalable in-memory data grid that provides a key-addressable store of values or graphs. eXtreme Scale supports a processing unit state store for applications written in Java™. You can replicate the data stored in the grid depending on availability requirements, and you can achieve out-of-the-box database integration.

You can integrate WebSphere eXtreme Scale with existing WebSphere Application Server and WebSphere Network Deployment installations or you can install the product separately, supporting both Java Platform, Standard Edition and Java Platform, Enterprise Edition application environments.

1 Step 1: Access your software

If you download your product from Passport Advantage®, follow the directions in the download document:
http://www.ibm.com/support/docview.wss?rs=3023&uid=swg27015533

The media pack for this product offering includes:
  • **Quick Start**
  • IBM WebSphere eXtreme Scale Version 7.0 for 32-bit or 64-bit

2 Step 2: Evaluate your hardware and system configuration

See the detailed system requirements document:

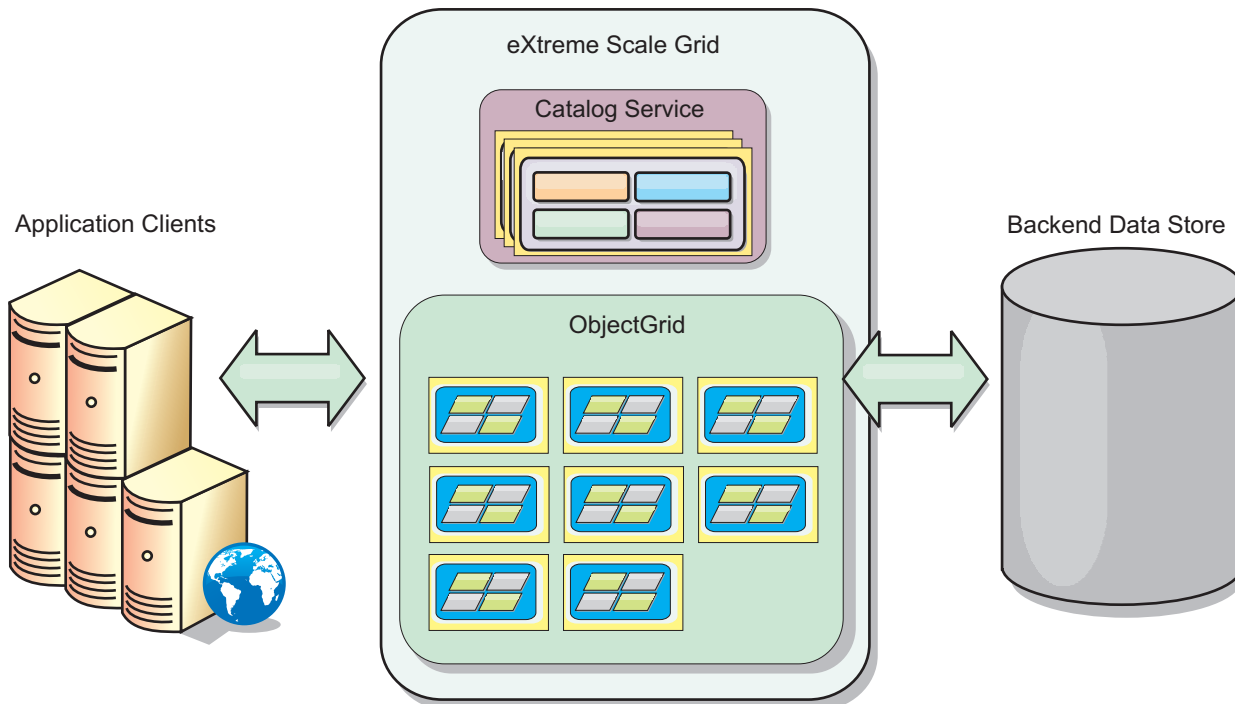http://www.ibm.com/support/docview.wss?rs=3023&uid=swg27007281

3 Step 3: Access your documentation

For complete documentation, including installation instructions, see the WebSphere eXtreme Scale product documentation:

http://www.ibm.com/software/webservers/appserv/extend/library/index.html

4   Step 4: Review the eXtreme Scale architecture

The following diagram illustrates a distributed, coherent cache environment of WebSphere eXtreme Scale. Additional topology diagrams are available in the Information Center.

5   Step 5: Install the product

You can install and deploy the product in Java Platform, Enterprise Edition or Java Platform, Standard Edition environments.

- Install stand-alone WebSphere eXtreme Scale Version 7.0 in an environment that does not contain WebSphere Application Server or WebSphere Application Server Network Deployment. With the stand-alone option, you define a new installation location in which to install the eXtreme Scale server.
- Integrate eXtreme Scale with an existing installation of WebSphere Application Server or WebSphere Application Server Network Deployment. You can install both the eXtreme Scale client and server, or you can install the client only.

For more information, see the Installing and deploying WebSphere eXtreme Scale topic in the Information Center.

6   Step 6: Run a sample client application

1. Edit the *JAVA_HOME* variable in the `install_root`/gettingstarted/env.sh|bat file to reference a valid installation directory of Java Development Kit (JDK) or Java Runtime Environment (JRE) Version 1.5 or later.
2. Run `runcat.sh|bat` to start a catalog service process.
3. Run `runcontainer.sh|bat server0` to start a container process.
4. Run the following client commands:
    - To add data to the grid, run `runclient.sh|bat i key1 helloworld`.
    - To search for the `key1` value, run `runclient.sh|bat g key1`.
    - To update the `key1` value, run `runclient.sh|bat u key1 goodbyeWorld`.
    - To delete the `key1` value, run `runclient.sh d key1`.

More Information

For additional technical resources, see the WebSphere eXtreme Scale installation documentation and the readme file on the CD.