

Overview

- **New in Lotus Expeditor 6.1.1 Server:**
 - ▶ Server installation on System p operating systems
 - ▶ DB2 on Solaris 10 in a remote database configuration
 - ▶ Silent installation, configuration, and uninstallation support added for some operating systems
- **Upgraded in Lotus Expeditor 6.1.1 Server:**
 - ▶ DB2 Everyplace Synchronization Server v9.1.1

Lotus Expeditor 6.1.1 server supports a handful of new features.

The server now supports AIX or SuSE Linux Enterprise Server on the System p architecture.

When utilizing a remote database, the server now supports connecting to a DB2 server installed on Solaris 10 operating system

For those users who do not wish to use the graphical wizards to install and configure their server, support has been added in 6.1.1 to execute such tasks from the command line

In addition, the DB2 Everyplace Synchronization server has been updated to version 9.1.1

Installation process

- Two phases of the installation process: installation and configuration
- Installation phase consists of:
 - ▶ Checking prerequisites
 - ▶ Collecting and validating user input
 - ▶ Copying files
 - ▶ Updating registry entries, start menu entries, and so on
- Configuration phase consists of:
 - ▶ Creating databases
 - ▶ Configuring WebSphere Application Server with WMM for security
 - ▶ Deploying enterprise applications (EARs)

the installation process consists of two phases (installation and configuration).

The installation process checks prerequisites and gathers input from the user. Then it copies files to the system and configures the Windows registry and start menu entries.

The configuration process creates databases, configures WebSphere security and deploys the Enterprise Applications that make up the Expeditor Server services.

Installation process (continued)

- The installation phase and configuration phase are handled by two separate executable files
- Default behavior is after install phase completes, configuration phase is automatically launched
- Option to stop before the configuration phase starts
- Why?
 - ▶ To allow the application of maintenance before the configuration starts
- How do you restart the configuration?
 - ▶ Open a command window
 - ▶ Go to <Expeditor install root>\config
 - ▶ Run config.bat or config.sh

Each of these phases are performed by separate executables. The installation process starts the configuration process as it exits, and the configuration process continues the overall install process. There is an option to have the installation pause before starting the configuration phase. This allows updates and maintenance to be applied before starting the configuration.

If you decide to pause, you can restart the configuration by opening a command window and finding the Expeditor/config directory in the Expeditor install root. Then run the configuration script to start the configuration process. On its first run, the configuration is designed to run without any user interaction.

Installation overview: Restrictions

- Lotus Expeditor cannot be installed on:
 - ▶ Same machine as Active Directory (a domain controller)
 - ▶ Managed node

There are environment restrictions on installing Expeditor server. It cannot be installed on the same server as Active Directory (a domain controller) It also cannot be installed into a managed node. Adding the node to a managed environment can be done later with the configuration wizard.

Remote database

- Expeditor can be configured with a remote database
- Scripts are provided to create the database on the database server
- During install database server information will be prompted for and will be validated
- There is no migration path from local database to remote database

The Expeditor server can be configured to use a local or a remote database. Scripts are provided to run on the database server to create and configure the remote databases. During the install, the remote database path will prompt for the remote server hosting the database.

There is no migration path from a local database server to a remote database server. Thus, if you want to cluster the server sometime later, you must start with a remote database.

Clustering

- Start with a remote database installation
- Use configurator tool to:
 - ▶ Convert to active directory
 - ▶ Configure node and cell for clustering
 - ▶ Create initial clusters
 - ▶ Create response file for additional clusters
- Additional clusters can be installed from Launchpad option

The server supports a clustered configuration. The clustering design starts with a single box install with a remote database. Once the installation is complete and verified, there is a set of necessary configuration steps to cluster the server.

First, you upgrade the user registry to Active Directory or a custom LDAP

Then you configure the node and cell for clustering. This includes configuring cell security and adding the node to the cell. This process supports the cell already having security enabled as long as that security configuration matches the Expeditor Server security configuration.

Finally, you create the initial clusters. This step also generates a response file that can be copied to other systems and used to install additional cluster members.

The launch pad contains an option to launch the installer in a special mode designed specifically for installing additional cluster members.

System P support added

- Support has been added for AIX and SuSE Linux Enterprise Server on System p servers

The Lotus Expeditor Server now supports installation on AIX and SuSE Linux Enterprise Server running on the System p architecture. Consult the information center for details about the software and hardware requirements for such an installation.

Heterogeneous DB2 server environment

- DB2 support is no longer limited to the same environment in which the Lotus Expeditor server is installed
 - ▶ Example: An Expeditor server running on Windows 2003 Server can be configured with DB2 running on AIX.
- In addition, DB2 installed on Solaris 10 is now supported in a remote database configuration

When configuring against a remote database, the server now supports a mixed environment. For example, an Expeditor Server running on Windows 2003 can be configured to use a remote DB2 server running on AIX.

In addition, while the Expeditor server itself does not support running on Solaris, it does support being configured to use a remote DB2 database running on the Solaris 10 operating system.

Silent installation, configuration, uninstallation

- Installation, configuration and uninstallation tasks can be run from the command line without a graphical user interface by running these commands:
- On AIX and Linux on System p
 - ▶ <server install media dir>/install.sh –silent –options <pregenerated response file>
 - ▶ <installed server dir>/config/config.sh –silent –options <pregenerated response file>
 - ▶ <installed server dir>/_uninst/uninstall.sh –silent –options <pregenerated response file>
- On Linux on x86
 - ▶ <installed server dir>/config/config.sh –silent –options <pregenerated response file>
- On Windows
 - ▶ <installed server dir>\config\config.bat –silent –options <pregenerated response file>
- “installed server dir” is the location where the Lotus Expeditor Server has been installed
- “server install media dir” is the CD from which the Lotus Expeditor Server is being installed
- “pregenerated response file” is a plain text file preconfigured with required configuration parameters

Installation and configuration of the Expeditor server can now be done from the command line. One simply needs to add the above flags to the executables that they already use when installing or configuring their server.

The first flag, “-silent”, tells the executable to run without displaying the wizard’s interface.

The second flag, “-options”, and the following response file provide the executable with the information it needs to execute the desired task.

The response file

- Configuration response file template locations:
 - ▶ <server install media dir>/install.rsp -- Installation response file template
 - ▶ <installed server dir>/config/change-admin-pass.rsp -- change the Expeditor Administrator's password
 - ▶ <installed server dir>/config/change-db-pass.rsp -- change the DB2 Administrator's password
 - ▶ <installed server dir>/config/convert-AD.rsp -- configure the Expeditor Server to use Active Directory as it's LDAP
 - ▶ <installed server dir>/config/configure-cell.rsp -- configure the cell in preparation of create a cluster
 - ▶ <installed server dir>/config/create-cluster.rsp -- create a cluster
 - ▶ <installed server dir>/config/create-cluster.rsp -- generate a response file to add more Expeditor servers to the created cluster
 - ▶ <installed server dir>/package/uninstall.rsp -- Uninstall response file
- The server administrator must configure these response files before launching task

Provided with your installation are response file templates for the actions that you would normally execute through the installation and configuration wizards.

Each common task has an associated response file template with all of the parameters needed to execute that task. Before a task can be executed from the command line silently, a response file based off of the template must be generated by the administrator and passed to the executable with the command line flags described on the last slide.

Each template is commented and consistent with the graphical wizard to ensure that an administrator that can step through the graphical wizard successfully can also generate a valid response file.

Trademarks, copyrights, and disclaimers

The following terms are trademarks or registered trademarks of International Business Machines Corporation in the United States, other countries, or both:

DB2 Everyplace IBM Lotus SupportPac WebSphere

Windows and the Windows logo are registered trademarks of Microsoft Corporation in the United States, other countries, or both.

Linux is a registered trademark of Linus Torvalds in the United States, other countries, or both.

Product data has been reviewed for accuracy as of the date of initial publication. Product data is subject to change without notice. This document could include technical inaccuracies or typographical errors. IBM may make improvements or changes in the products or programs described herein at any time without notice. Any statements regarding IBM's future direction and intent are subject to change or withdrawal without notice, and represent goals and objectives only. References in this document to IBM products, programs, or services does not imply that IBM intends to make such products, programs or services available in all countries in which IBM operates or does business. Any reference to an IBM Program Product in this document is not intended to state or imply that only that program product may be used. Any functionally equivalent program, that does not infringe IBM's intellectual property rights, may be used instead.

Information is provided "AS IS" without warranty of any kind. THE INFORMATION PROVIDED IN THIS DOCUMENT IS DISTRIBUTED "AS IS" WITHOUT ANY WARRANTY, EITHER EXPRESS OR IMPLIED. IBM EXPRESSLY DISCLAIMS ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR NONINFRINGEMENT. IBM shall have no responsibility to update this information. IBM products are warranted, if at all, according to the terms and conditions of the agreements (for example, IBM Customer Agreement, Statement of Limited Warranty, International Program License Agreement, etc.) under which they are provided. Information concerning non-IBM products was obtained from the suppliers of those products, their published announcements or other publicly available sources. IBM has not tested those products in connection with this publication and cannot confirm the accuracy of performance, compatibility or any other claims related to non-IBM products.

IBM makes no representations or warranties, express or implied, regarding non-IBM products and services.

The provision of the information contained herein is not intended to, and does not, grant any right or license under any IBM patents or copyrights. Inquiries regarding patent or copyright licenses should be made, in writing, to:

IBM Director of Licensing
IBM Corporation
North Castle Drive
Armonk, NY 10504-1785
U.S.A.

Performance is based on measurements and projections using standard IBM benchmarks in a controlled environment. All customer examples described are presented as illustrations of how those customers have used IBM products and the results they may have achieved. The actual throughput or performance that any user will experience will vary depending upon considerations such as the amount of multiprogramming in the user's job stream, the I/O configuration, the storage configuration, and the workload processed. Therefore, no assurance can be given that an individual user will achieve throughput or performance improvements equivalent to the ratios stated here.

© Copyright International Business Machines Corporation 2007. All rights reserved.

Note to U.S. Government Users - Documentation related to restricted rights-Use, duplication or disclosure is subject to restrictions set forth in GSA ADP Schedule Contract and IBM Corp.



That concludes this presentation.