IBM Software Group

IBM WebSphere® Data Interchange V3.3

Installing AIX Server

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This presentation will review the AIX Server Installation.

Goals

- Define prerequisite steps prior to installation

- Outline Installation Procedures on AIX

- Describe post installation verification test

The presentation will provide you with the procedures for installing and configuring the WebSphere Data Interchange Version 3.3 server on the AIX platform. It will also explain a verification test which can be executed to verify the installation has been successful.

Prerequisite Installation Steps

- DB2 Installation

- Determine your display settings

  - ▶ Are you installing on a remote AIX system, or do you have access to the console of the system.

  - ▶ For a remote system you will need to export your DISPLAY environment variable.

    - Export DISPLAY=nnn.nnn.nnn.nnn:0.0

    - Ensure your local system is capable of displaying X11 windows from remote systems.   There are many different Windows X11 servers available, including many open source options.

There are several steps to be completed prior to the installation of WebSphere Data Interchange server on AIX.   Install DB2 and configure a DB2 instance following the standard DB2 installation procedures. If you are accessing the AIX system remotely your next step will be to export your DISPLAY environment variable to indicate the IP address of a remote system which is running an X11 server. You will want to ensure your local X11 server is running and has been configured to accept connections from the AIX system to which WDI is being deployed. If you are at the system console you will not need to do this step the graphical display will display on the console window.

Beginning the Installation

- Insert and mount the WebSphere Data Interchange install media.

- From the AIX command line execute the install program
  - wdi.aix

- Select the installation path for the server
  - By default the server will be installed in /opt/IBM/WDIServer/V3.3

- Once you have selected the directory the install wizard will complete the installation.

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Insert the installation media into the CDROM drive of the local system. Mount the CDROM and from the command line locate the mount point for the CDROM. The on the CD there will be an executable named **wdi.aix**. Execute this command which will cause the Install Wizard to display. You will be prompted to read and agree to the license. You will also be prompted to provide an install directory for the product. By default WDI will be installed in /opt/IBM/WDIServer/V3.3.

Create and configure the Database

- Using your DB2 admin user id create the database for the WDI server
  - ▶ After the installation you will have the following directories in your base install directory
    - bin, bind, ddl, eif, include, license, mig32, runtime and samples.
  - ▶ From the ddl directory issue the following command:
    - `db2 -tf createdb.ddl > createdb.out`
  - ▶ From the /u/<db2 instance>/sqllib/bnd directory issue the following commands
    - `db2 connect to ediec33e`
    - `db2 bind @db2ubind.lst messages bind.msg grant public`
    - `db2 bind @db2cli.lst messages clibind.msg grant public`
    - `db2 connect reset`

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The commands for creating and configuring the database need to be executed using db2 administrator user id.   This will have been identified during the DB2 installation when the database instance was created.   The ddl directory contains the data definition language scripts used to create and configure the database.

Create and configure the Database (continued)

- Return to the ddl directory in the WDI base installation directory and execute the following commands:
  - ‣ `db2 –tf ediec33.ddl –l ec33.log`
  - ‣ `db2 –tf grntec33.ddl –l grntec33.log`

- Change directories to the bind directory and issue the following command:
  - ‣ `db2 –tf bindgrnt.fil –l bind.log`

- Change to the eif directory and load the base data for WDI server by executing the command:
  - ‣ `loadeif`

 From the ddl directory you will execute two data definition language files through DB2 which will configure the database and define grant access to the tables of the WDI server database.   By default the grntec33.ddl will grant access to public.   If you intend to restrict the execution of WebSphere Data Interchange to a specific user id you may modify the ddl to identify a specific user rather than PUBLIC.

Remote Procedure Setup

- To use the remote execution function of the client connecting to a Windows database, the database will need to be stopped and restarted once all the previous setup is complete. This will allow the stored procedures to be loaded.

- For use of the remote execution function of the Client connecting to an AIX database, you will need to add the setdienv.sh to the DB2 profile of the user starting DB2 and then restart DB2.

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To use the remote execution function of the client connecting to a Windows database, the database will need to be stopped and restarted once all the previous setup is complete. This will enable the stored procedures to work correctly.

For use of the remote execution function of the Client connecting to an AIX database, you will need to add the setdienv.sh to the DB2 profile of the user starting DB2 and then restart DB2.

Post Installation Verification Test

- In the base installation directory locate the samples directory.

- Ensure your user id has write permission to the directory.

- Execute the command: wditest

- You should see the following output

```
DI Translator Started, build date: Jan 30 2007
DI Translator processed your request.
DI Translator shutdown
```

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In the samples directory you will find a small test script which will invoke the translator and perform a simple XML to EDI translation.   You will want to ensure the user id you are using to run the test has permissions to write to the directory and to the two output files: outfile and printfile

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