IBM DB2 OLAP Server Enterprise Services 8.1

Installation Guide Supplement

August 2002

This document updates and supplements the *Installation Guide* for DB2 OLAP Server Enterprise Services (Hyperion Essbase Enterprise Services 6.5). It contains examples of how to install Enterprise Services and verify the installation on Windows and AIX. The AIX examples are different from the ones included in the Installation Guide, which shows how to install on Solaris Operating System.

IBM DB2 OLAP Server Enterprise Services 8.1 is based on Hyperion Essbase Enterprise Services 6.5. The IBM product is available on its own CD and it is installed with a Hyperion installation program. The installation of the IBM product is slightly different from the Hyperion product.

Contents:

Installing on Windows

This section updates and supplements the information on page 28 of the *Installation Guide* to show the differences in installing the IBM product.

Before you install: You must have Java on your Windows computer before starting the Enterprise Services installation program. You can download Java here:

http://java.sun.com/getjava/download.html

The Enterprise Services installation program also installs the exact level of Java required to run Enterprise Services.

Running the installation program: To install Enterprise Services on a Windows NT or Windows 2000 computer:

1. Insert the DB2 OLAP Server Enterprise Services 8.1 CD into the CD-ROM drive of your Windows computer.

2. Run the **EES65NT.exe** file.

3. Follow the prompts and provide any information that is requested. To cancel installation at any time, click the **Exit** button and then the **Exit Install** button.

4. When the "license agreement" dialog box is displayed, select: **I accept the terms of the License Agreement**.

5. In the Choose Install Set dialog box, perform one of the following steps:

   To install the server, client, and the Essbase JAPI components, select **Essbase Enterprise Server and Client**.

   To install only the client and Essbase JAPI components, select **Essbase Enterprise Client**.

6. Installing the Essbase Enterprise Services client software separately is useful for computers that run an Essbase Enterprise Services client program.

7. Ignore the Choose Java Virtual Machine dialog box. The IBM product installs the correct JRE regardless of which option you choose.

8. In the Choose Install Folder dialog box, specify the directory where you want to install the IBM product. If you have installed any other component of DB2 OLAP Server v8.1 on this computer, the install folder will default to `%arborpath%\ees`. Keep this default value.

9. In the Choose Shortcut Folder dialog box, the **other** radio button is enabled. The default value for the folder is:

   `C:\Documents and Setting\All Users\Start Menu\Programs\`
   Hyperion Solutions\Essbase Enterprise Services

   Change the directory to:

   `C:\Documents and Setting\All Users\Start Menu\Programs\`
   IBM DB2 OLAP Server 8.1\Enterprise Services

Installing on AIX

This section updates and supplements the information on page 37 of the *Installation Guide* to show the differences in installing the IBM product.

Before you install:

1. You must have graphical windowing software such as X-Windows or Motif installed on your AIX computer.
2. You must have Java on your AIX computer before starting the Enterprise Services installation program. You can download Java from: http://www.ibm.com/developerworks/java/. The installation program also installs the exact level of Java required to run Enterprise Services.

Running the installation program: To install Enterprise Services on an AIX computer:

1. Insert the DB2 OLAP Server Enterprise Services 8.1 CD into the CD-ROM drive of your AIX computer.

2. Log in using the Enterprise Services system administrator account. For example, log in as **admin** if you created a user account called admin who owns the target installation directory /home/essbase/ees/.

3. Run the installer file from the CD. On AIX systems, this file is a `.bin` file. Follow the prompts and provide any information requested.

4. In the License Agreement dialog box, click **I accept the terms of the License Agreemen**t.

5. In the Choose Product Features dialog box, take one of the following steps:

   To install the Enterprise Services server, client, and the Essbase JAPI, select **Essbase Enterprise Server and Client**.
   To install only the Enterprise Services client and Essbase JAPI files, select **Essbase Enterprise Client.** Installing the Enterprise Services client software separately is useful for computers that only need the OLAP clients.

6. Ignore the Choose Java Virtual Machine dialog box. The IBM product installs the correct JRE regardless of which option you choose.

7. In the Choose Install Folder dialog box, specify the directory where you want to install Enterprise Services. If you installed other components of DB2 OLAP Server 8.1 on this computer, the install to directory will be set to: `%arborpath%\ees`. Accept this default.

8. If you type the name of a directory that does not exist, the installation program creates the directory for you.

9. In the Choose Link Folder dialog box is displayed, the **other** radio button will be enabled. Change the directory listed in the box from "`/home/arbor/Hyperion Solutions`" to "`/.../install_directory/IBM DB2 OLAP Server 8.1/Essbase Enterprise Services`".

10. In the Pre-Installation Summary dialog box, click **Install** to start copying files to your computer.

11. In the Install Complete dialog box, click **Done** to complete the installation.

Verifying your installation

The following instructions work for both Windows and AIX.

Update the ESS variables

Edit the `%arborpath%\ees\bin\essbase.properties` file and leave the licenseKey as 'xxxxx'. For example:

```
# License key.
# Substitute xxxxx with your actual license key before starting the
server.
licenseKey=xxxxx
```

Change the system.log.file.enable from false to true:

```
system.log.info=true
system.log.error=true
system.log.request=true

system.log.file.enable=true
system.log.file.name=../data/essbase.log.txt
```

Change `service.location.start` from `false` to `true`. The Location Service variable allows this Enterprise Services server to be located and listed by the Enterprise Services Console:

```
# Location service.
service.location.start=true
```

Leave the domain storage type as flat file database. For production use, you will have to change this to a relational database storage.

```
domain.store.type=file
```

Start the Enterprise Services server

1. To start the server, go to **Start > Programs > IBM DB2 OLAP Server 8.1 > Essbase Enterprise Services > Essbase Enterprise Server**
2. **Run this comand: %arborpath%\ees\bin\startees.cmd**
3. A command window opens the words "Setting up property service..." appear. When "Services are ready... Waiting for requests..." appears, the server is ready.

Do not close this window until you are ready to stop the server.

Start the Enterprise Services console

To start the console:

1. **Go to: Start > Programs > IBM DB2 OLAP Server 8.1 > Essbase Enterprise Services > Essbase Enterprise Services Console**
2. Run this command: **%arborpath%\ees\bin\startgui.cmd**
3. The Console GUI will open
4. The first time you log in, you can use the defaults:

```
username = system
password = password
domain = essbase
```

The console is now started.

Define and connect to your DB2 OLAP Server

1. Start your DB2 OLAP Server
2. Using Application Manager, add the userid `system` with supervisor authority to your DB2 OLAP Server.
3. From the console, in the left-side tree view, right-click on **Servers**.
4. Choose **Create > OLAP Server**. Enter the hostname of your DB2 OLAP Server. Your DB2 OLAP Server names should now appear under **Essbase > Servers > OLAP Servers** tree view.
5. Open the tree view of your DB2 OLAP server and you should see a list of catalogued applications.

Run the sample workload

There is undocumented sample command shell to retrieve data from the DB2 OLAP Server sample application Demo and database Basic. You can use this sample shell called runtest as your Enterprise Services test workload simulation.

From Enterprise Services Command Shell console:

1. Sign on to the server: `signon system,password`
2. Run the `runtest` sample shell:

```
runtest numIteration, numThreads, orbType, port, prefHost, olapSrv,
user, password, useConnPool, connPerOp, useCluster, readOnly
```

Where:

```
                                                      Recommended
Runtest operand    description                        Value
---------------    -------------------------------    ----------
numIteration       Number of client request to be issued   10
numThreads         Number of threads for each iteration    5
orbType            Network Protocol                        tcpip
port               TCP/IP port configured for server       5001
prefHost           your Enterprise Services server hostname
olapSrv            your DB2 OLAP Server
user               user ID                                 system
password           user password                           password
useConnPool        specify true/false to use Connection Pool    true
connPerOp          specify true/false to use Connection Pool    true
                     per operation
useCluster         specify true/false to use Cluster       true
readOnly           specify true/false for read only operation   true
```

For example:

```
runtest 10,5,tcpip,5001,ees_server.ibm.com,olap_server.ibm.com,
system,password,true,true,true,true
```

You are now ready to start customizing Enterprise Services for your installation. See the new Redbook *DB2 OLAP Server v8.1 Using Advanced Functions* at www.ibm.com/redbooks for additional tips on customizing your DB2 OLAP Enterprise Services installation.