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## **IBM Maximo 6.2.1 Installation: A Case Study**

### **White Paper**

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Create the JMS Bus Destination for the Sequential Outbound (sqoutbd) Queue	24
Create the MEA Connection Factory	25
Create the Continuous Inbound (cqin) JMS Queue	26
Create the Sequential Inbound (sqin) JMS Queue	26
Create the Sequential Outbound (sqout) JMS Queue	27
Create JMS Activation for the Continuous Inbound Queue (cqin)	27
Deploy the EAR Files	28
Install MAXIMO EAR File	28
Install ACWEB EAR File	29
Install MAXIMOHELP EAR File	30
Start the MAXIMOSERVER	31
Install The Actuate Encyclopedia for Maximo	31
Import the Encyclopedia	32
Enable Reports to Run	32

## Conclusion

Summary	35
---------	----

# Introduction

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## About this Paper

This white paper provides information on implementing IBM Maximo 6.2.1 on one server topology. It intends to help implementers and technical consultants to quickly deploy IBM Maximo 6.2.1 product in a proof of concept or training environments.

## Audience

Intended audience includes technical consultants and implementers. Working knowledge of Linux, Windows 2003, WebSphere, DB2 and LDAP is required for reading and understanding this white paper.

## About the author

Orcun Atakan is responsible for designing and creating training curriculum for IBM IT Service Management Products. He has extensive experience in data center and IT security technologies.



# White Paper

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Software you need to have:

- Microsoft Windows Server 2003 with Service Pack 2
- Maximo Asset Management v6.2.1. Multiplatform eAssembly Image Package contains CDs for the following products needed in the classroom:
  - Actuate v8 Fix 5 Encyclopedia Windows Multilingual
  - Language Utilities v6.2.1 Multiplatform English
  - WebSphere Application Server Network Deployment v6.0 Windows Multilingual
  - WebSphere Application Server V6.0 Refresh Pack 2 for Windows Multilingual
  - WebSphere Application Server V6.0 Fix Pack 17 for Windows Multilingual
  - Asset Management Product Enabler V6.2.0 Multiplatform Multilingual
  - Asset Management Main Application V6.2.1 Multiplatform Multilingual

**Note:** The generic versions of DB2 and Crystal Enterprise may not be substituted for these specific packages.

- DB2 UDB 8.1 Fixpack 14

## 1 Requirements

### 1.1 Hardware Requirements

The PCs should meet the following hardware requirements:

- 1.6 GHz processor
- 2 GB RAM
- 40 GB free disk space

## 2 Middleware Installation

### 2.1 DB2 UDB 8.1 FixPack 14 Installation

#### 2.1.1 Create MAXIMO user

1. Log into Windows as the user Administrator.
2. Create a new user in Windows and name it in uppercase "MAXIMO" with uppercase password "OBJECT00". This is required for Actuate reports to work properly.
3. Extract the DB2 Setup files and double click **setup.exe** to start the setup program.

#### 2.1.2 Install DB2

1. Click **Install Product** to begin.
2. Click **Next** to install DB2 UDB Enterprise Server Edition.
3. Click **Next** to continue.
4. Click the radio button to accept the license. Click **Next** to continue.
5. Accept defaults and click **Next** to continue.
6. At the installation action window. Accept defaults and click **Next** to continue.
7. Select installation folder. Choose the appropriate drive and change the install directory to **C:\IBMSQLLIB**. Click **Next** to continue.
8. Accept the defaults and set the password for the db2admin user to **object00**. Confirm the password as **object00**. Leave the value for Domain blank. Click **Next** to continue.
9. Accept the defaults and click **Next** to continue.
10. Acknowledge the warning message about the "Notification SMTP server" and click **OK** to continue.
11. At the Configure DB2 Instances window, accept the default values. Click **Next** to continue.



12. At the Prepare the DB2 tools catalog window, accept the default values and click **Next** to continue.
13. At the Specify a contact for health monitor notification window, click **Defer this task until after installation is complete**. Click **Next** to continue.
14. Click **Install** to begin the installation process. This task will take anywhere from 2 to 15 minutes to complete depending on the performance capabilities of your hardware.
15. When the setup is complete. Click **Finish** to end the installation.
16. At the DB2 Product Updates window, click **No** to close the dialog.
17. At the IBM DB2 First Steps Launchpad window, click **Exit First Steps** to close the First Steps window.

### 2.1.3 Apply the DB2 Development License File

1. Launch the DB2 Control Center by right-clicking the DB2 system tray icon and choosing **DB2 Control Center**. When the Control Center View dialog appears select **Advanced** and then uncheck the **Show this window at startup time** box. Click **OK** to continue.
2. From the Tools menu of Control Center choose **License Center**.
3. Select your system from the drop down box on the left labeled System Name.
4. On the drop down box on the right make sure that DB2 Enterprise Server Edition is displayed.
5. From the License menu choose **Add**. Browse to the location where you copied the **db2ese.lic** file and click **OK**. This will apply the permanent license for DB2 Enterprise Edition.
6. At this point you can now start your DB2 server by right-clicking the DB2 system tray icon and choosing **Start (DB2)**.

### 2.1.4 Creating the DB2 Database

1. Create a local directory to hold the DB2 tablespace files and index files. For the purposes of this document create the directory **c:\db2max**.
2. Start the DB2 engine by right clicking on the DB2 system tray icon (it looks like a green database cylinder icon) and choosing **Start DB2**. You will notice that the red square on the icon will disappear when the database engine is started.

3. Launch the DB2 Control Center by right-clicking the DB2 system tray icon and choosing **DB2 Control Center**.
4. When the Control Center View dialog appears select **Advanced** and then uncheck the **Show this window at startup time** box. Click **OK** to continue.
5. Expand the + signs to enumerate down the chain until you see the **Databases** folder which should be empty at this point. Select the **Databases** folder and from the Tools menu of Control Center select **Command Editor**.
6. Paste in the following SQL into the top pane of the Command Editor tool to create a database named **MAXDB**:

```
CREATE DATABASE MAXDB ON C: ALIAS MAXDB WITH "MAXDB
Database";
```

```
CONNECT TO MAXDB;
UPDATE DB CFG FOR MAXDB USING AUTO_MAINT ON;
UPDATE DB CFG FOR MAXDB USING AUTO_TBL_MAINT ON;
UPDATE DB CFG FOR MAXDB USING AUTO_RUNSTATS ON;
UPDATE DB CFG FOR MAXDB USING AUTO_REORG ON;
UPDATE DB CFG FOR MAXDB USING AUTO_DB_BACKUP ON;
UPDATE ALERT CFG FOR DATABASE ON MAXDB USING db.db_backup_req SET
THRESHOLDSCHECKED YES;
UPDATE ALERT CFG FOR DATABASE ON MAXDB USING db.tb_reorg_req SET
THRESHOLDSCHECKED YES;
UPDATE ALERT CFG FOR DATABASE ON MAXDB USING db.tb_runstats_req SET
THRESHOLDSCHECKED YES;
CONNECT TO MAXDB;
GRANT
DBADM,CREATETAB,BINDADD,CONNECT,CREATE_NOT_FENCED_ROUTINE,
IMPLICIT_SCHEMA,LOAD,CREATE_EXTERNAL_ROUTINE,QUIESCE_CONNEC
T ON DATABASE TO USER DB2ADMIN;
CREATE BUFFERPOOL MAXDBBUFFERPOOL IMMEDIATE SIZE 4096
PAGESIZE 32 K ;
CREATE REGULAR TABLESPACE MAXDB PAGESIZE 32 K MANAGED BY
SYSTEM USING ('c:\db2max\MAXDB\tablespace') EXTENTSIZE 16 OVERHEAD
10.67 PREFETCHSIZE 16 TRANSFERRATE 0.04 BUFFERPOOL
MAXDBBUFFERPOOL DROPPED TABLE RECOVERY OFF;
GRANT USE OF TABLESPACE MAXDB TO USER DB2ADMIN WITH GRANT
OPTION;
CREATE SCHEMA MAXIMO AUTHORIZATION MAXIMO;
CREATE SYSTEM TEMPORARY TABLESPACE MAXDBSYSTEMP PAGESIZE 32
K MANAGED BY SYSTEM USING ('c:\db2max\MAXDB\systemp') EXTENTSIZE 8
OVERHEAD 10.67 PREFETCHSIZE 8 TRANSFERRATE 0.04 BUFFERPOOL
MAXDBBUFFERPOOL ;
UPDATE DATABASE CONFIGURATION USING APPLHEAPSZ 1024 DEFERRED ;
UPDATE DATABASE CONFIGURATION USING LOGSECOND 3 IMMEDIATE ;
UPDATE DATABASE CONFIGURATION USING LOGFILSIZ 4096 DEFERRED ;
```

```
UPDATE DATABASE CONFIGURATION USING APP_CTL_HEAP_SZ 1024
DEFERRED ;
UPDATE DATABASE CONFIGURATION USING LOCKLIST 30000 IMMEDIATE ;
UPDATE DATABASE CONFIGURATION USING MAXLOCKS 75 IMMEDIATE;
CONNECT RESET;
```

7. Click the green triangle in the Commands tool bar to execute the query. This process will take from 2 to 5 minutes to complete depending on the performance capabilities of your hardware.
8. When the database creation process completes you will be returned to the Command Editor window. Exit the Command Editor. Refresh the Control Center view and expand the + signs and drill down to the Databases folder. You should now see a database called **MAXDB** in the list. Right click the **MAXDB** database and choose **Stop** to stop the database (acknowledge the warning dialog).
9. Click **Start** to restart the database.
10. Right click the **MAXDB** database and choose Authorities. Click **Add User**.
11. Select the **MAXIMO** user and click **OK**.
12. Select the **MAXIMO** user from the list and click **Grant All**.
13. Click **OK**.

### 2.1.5 Binding the DB2 Schema

1. Launch a Command Prompt window and enter the following commands:

```
cd \IBM\SQLLIB\BND
set DB2DBDFT=MAXDB
db2cmd db2 connect to MAXDB
```

2. This will launch the DB2 command line processor tool. Enter these commands:

```
db2 bind db2schema.bnd
db2 bind @db2cli.lst clipkg 4
```

## 2.2 Installing the IBM WebSphere Application Server Network Deployment

1. Log in to Windows as Administrator.
2. Insert the CD for the WebSphere 6.0 Application Server Windows in the CD drive. If the installation does not start, double-click **launchpad.bat**.

3. Click **Launch the installation wizard for WebSphere Application Server** link from the Launchpad window.
4. Click **Next** in the Welcome dialog box.
5. Select the **I accept the terms in the license agreement** option. Click **Next**.
6. Click **Next** after the system check completes.
7. Change the installation location to **C:\IBM\WebSphere\AppServer**. Click **Next**.
8. Clear the **Application Server Samples** and **Javadocs** check boxes. Click **Next**.
9. Click **Next** in the Installation summary dialog box.
10. After the installation is completed, select the **Launch the Profile creation wizard** check box. Click **Next**.

### 2.2.1 Creating the Deployment Manager Profile

1. Click **Next** in the Welcome dialog box.
2. Select the **create a deployment manager** option. Click **Next**.
3. Accept the default value. Click **Next**.
4. Accept the default installation location. Click **Next**.
5. Accept the default values. Click **Next**.
6. Accept the default port numbers. Click **Next**.
7. Select the **Run the Application Server as a Windows service and log on as a local system account**. Click **Next**.
8. Click **Next** in the Profile summary dialog box.
9. Select the **Launch the First steps console** option. Click **Finish**.
10. Click the **Installation verification** link.
11. After Installation Verification completes, close the output window.

### 2.2.2 Creating a Custom Profile

1. Use the launchpad command and click the **Profile creation wizard** to open the First Steps window (if not open already).

2. Click **Next** in the Welcome dialog box.
3. Select **Create a custom profile**. Click **Next**.
4. Accept the default values. Click **Next**.
5. Accept the default profile name and select the **Make this profile the default** check box. Click **Next**.
6. Accept the default directory path. Click **Next**.
7. Accept the default values. Click **Next**.
8. Review the port number listings. Click **Next**.
9. Click **Next** in the Profile summary dialog box.
10. Select the **Launch the First steps console** check box. Click **Finish**.
11. Click **Exit**.

### 2.2.3 Installing the IBM HTTP Server

1. From the Launchpad ND window open on your desktop, click **Launch the installation wizard for IBM HTTP Server**.
2. Click **Next** in the Welcome dialog box.
3. Accept the license terms. Click **Next**.
4. Change the installation location to C:\IBM\IBM HTTP Server. Click **Next**.
5. Select **Typical**. Click **Next**.
6. Select the following check boxes and options:
  - Run IBM HTTP Server as a Windows Service
  - Run IBM HTTP Administration as a Windows Service
  - Log on as Local System account
  - Startup Type: Automatic
7. Click **Next**.
8. Click **Next** in the summary dialog box.
9. Click **Next**.
10. Ensure that the **Launch the WebSphere Application Server —Plugin Install** check box is checked and click **Finish**.

## 2.2.4 Install the IBM HTTP Server Plug-in

Plugin Install windows must be open from the previous section.

1. Clear both check boxes in the Welcome dialog box. Click **Next**.
2. Accept the License terms. Click **Next**.
3. Click **Next** in the System prerequisites check dialog box.
4. Select the **IBM HTTP Server V6** option. Click **Next**.
5. Select the **WebSphere Application Server machine (local)** option. Click **Next**.
6. Change installation location to **C:\IBM\WebSphere\Plugins**. Click **Next**.
7. Accept the default installation location as it appears (C:\IBM\WebSphere\AppServer). Click **Next**.
8. The Wizard does not default to the location of the httpd.conf file. You must click the **Browse** button to select the following location:

```
C:\IBM\IBM HTTP Server\conf\httpd.conf
```

Accept the default Web server port number **80**. Click **Next**.

9. Accept the default name. Click **Next**.
10. Accept the default location of the plugin-cfg.xml file as it appears. Click **Next**.
11. Click **Next**.
12. Click **Next**.
13. Click **Next**.
14. Click **Finish**.

## 2.2.5 Creating a Web Server Definition

You must now complete the plug-in installation by creating a Web server definition.

1. Open a command prompt window.
2. Change directory to **C:\IBM\WebSphere\Plugins\bin** directory.
3. At the prompt, type:

```
configurewebserver1.bat
```

4. Allow for the process to complete and close the command prompt window.
5. Close the command prompt, the Launchpad window, the IE session, and all other IBM-related windows that are open at this time.
6. Ensure to stop all IBM WebSphere processes at this time.

## 2.3 Installing the IBM Refresh Pack

### 2.3.1 Install the Core IBM WebSphere Application Server Patch

To install the core IBM WebSphere Application Server Patch (6.0.2), complete the following steps:

1. Stop all IBM WebSphere Application Servers and HTTP Servers, if running.
2. Extract the **6.0-WS-WAS-WinX32-RP0000002.zip** file into the C:\IBM\WebSphere\AppServer directory.
3. Change directory to **C:\IBM\WebSphere\AppServer\updateinstaller**.
4. Double click the **update.exe** file.
5. Click **Next** in the IBM Update Installer for WebSphere Software Welcome dialog box.
6. Accept the default installation location as it appears and click **Next**.
7. Select Install maintenance package and click **Next**.
8. Accept the default path of the maintenance package and click **Next**.
9. Click **Next** to copy the JDK. Allow for the JDK-copying process to complete.
10. Click **Relaunch** once the JDK is completely loaded to relaunch the Wizard.
11. Select **Install maintenance package** and click **Next**.
12. Accept the default path of the maintenance package to install and click **Next**.
13. Click **Next** to begin the installation.
14. Allow the prereq.jdk component to finish copying.
15. Read the Wizard panel text to verify successful installation of 6.0.2.0 and then click **Finish**.

The Refresh Pack (6.0.2) Core Application Server Patch installation process is complete.

### 2.3.2 Install the IBM WebSphere Application HTTP Server Patch

1. Extract the **6.0-WS-WASIHS-WinX32-RP0000002.zip** file into the **C:\IBM\IBM HTTP Server** directory.
2. Change directory to **C:\IBM\IBM HTTP Server\updateinstaller**.
3. Double click the **update.exe** file.
4. Click **Next** in the IBM Update Installer for WebSphere Software Welcome dialog box.
5. Accept the default installation location as it appears and click **Next**.
6. Select **Install maintenance package** and click **Next**.
7. Accept the default path to the maintenance package file and click **Next**.
8. Read the Wizard panel text to verify you are installing the 6.0.2 Refresh Pack for the IBM HTTP Server and click **Next** to begin the installation.
9. Allow for the JDK-copying process to complete. (The panel displays the message: Backing up component prereq.ihs.)
10. Read the Wizard panel text to verify successful installation of 6.0.2.0 and then click **Finish**.

The Refresh Pack (6.0.2) HTTP Server Patch installation process is complete.

### 2.3.3 Install the IBM WebSphere Application HTTP Server Plugin Patch

1. Extract the **6.0-WS-WASPlugIn-WinX32-RP0000002.zip** file into the **C:\IBM\WebSphere\Plugins** directory.
2. Change directory to **C:\IBM\WebSphere\Plugins\updateinstaller**.
3. Double click the **update.exe** file.
4. Click **Next** in the IBM Update Installer for WebSphere Software Welcome dialog box.
5. Accept the default installation location as it appears and click **Next**.
6. Select **Install maintenance package** and click **Next**.
7. Accept the default path to the maintenance package file and click **Next**.



8. Click **Next** to copy the JDK. Allow for the JDK-copying process to complete.
9. Click **Relaunch** once the JDK is completely loaded.
10. Select **Install maintenance package** and click **Next**.
11. Accept the default path to the maintenance package file and click **Next**.
12. Read the Wizard panel text to verify you are installing the 6.0.2.0 Refresh Pack for the IBM HTTP Server Plugins patch and click **Next** to begin the installation. The file-copying process starts.
13. Allow for the JDK to finish copying. Read the Wizard panel text to verify successful installation of 6.0.2.0 and then click **Finish**.

The Refresh Pack (6.0.2) HTTP Server Plugin Patch installation process is complete.



**Note:** Before you proceed to the fix pack installation procedure in the next section, delete all the **updateinstaller** folders created in this process.

## 2.4 Installing the IBM WebSphere Fix Pack

### 2.4.1 Install the Core IBM WebSphere Application Server Patch

1. Extract the **6.0.2-WS-WAS-WinX32-FP00000017.zip** file into the **C:\IBM\WebSphere\AppServer** directory.
2. Change directory to **C:\IBM\WebSphere\AppServer\updateinstaller**.
3. Double click the **update.exe** file.
4. Click **Next** in the IBM Update Installer for WebSphere Software Welcome dialog box.
5. Accept the default installation location as it appears and click **Next**.
6. Select **Install maintenance package** and click **Next**.
7. Accept the default path to the maintenance package file and click **Next**.
8. Read the Wizard panel text to verify that Fix Pack 6.0.2.17 (FP60217) is being installed and then click **Next** to begin the installation.
9. Allow the JDK-copying process to complete. Read the Wizard panel text to verify successful installation of 6.0.2.17 and then click **Finish**.

10. The Fix Pack (6.0.2.17) core Application Server Patch installation process is complete.

## 2.4.2 Install the IBM WebSphere HTTP Server Patch

1. Delete the **updateinstaller** folder, if present, from the C:\IBM\IBM HTTP Server directory.
2. Extract the **6.0.2-WS-WASIHS-WinX32-FP00000015.zip** file into the **C:\IBM\IBM HTTP Server** directory.
3. Change directory to **C:\IBM\IBM HTTP Server\updateinstaller**.
4. Double click the **update.exe** file.
5. Click **Next** in the IBM Update Installer for WebSphere Software Welcome dialog box.
6. Accept the default installation location as it appears and click **Next**.
7. Select **Install maintenance package** and click **Next**.
8. Accept the default path to the maintenance package file and click **Next**.
9. Read the Wizard panel text to verify that Fix Pack 6.0.2.15 (FP60215) is being installed, and then click **Next** to begin the installation. The file copying process starts. (Wizard text reads: Backing up component: prereq.ihs.)
10. Allow the JDK-copying process to complete. Read the Wizard panel text to verify successful installation of 6.0.2.15 and then click **Finish**.

The Fix Pack (6.0.2.15) HTTP Server Patch installation process is complete.

## 2.4.3 Install the IBM WebSphere Application HTTP Server Plugin Patch

1. Delete the **updateinstaller** folder, if present, from the **C:\IBM\WebSphere\Plugins** directory.
2. Extract the **6.0.2-WS-WASPlugIn-WinX32-FP00000017.zip** file into the **C:\IBM\WebSphere\Plugins** directory.
3. Change directory to **C:\IBM\WebSphere\Plugins\updateinstaller**.
4. Double click the **update.exe** file.
5. Click **Next** in the IBM Update Installer for WebSphere Software Welcome dialog box.

6. Accept the default installation location as it appears and click **Next**.
7. Select **Install maintenance package** and click **Next**.
8. Accept the default path to the maintenance package file and click **Next**.
9. Read the Wizard panel text to verify that Fix Pack 6.0.2.17 (FP60217) for the Plugin is about to be installed and then click **Next** to begin the installation.
10. Allow the file-copying process to complete. Read the Wizard panel text to verify successful installation of Plugin 6.0.2.17 and then click **Finish**.

The Fix Pack (6.0.2.17) HTTP Server Patch installation process is complete.

#### 2.4.4 Install the IBM WebSphere JavaSDK Patch

1. Delete the **updateinstaller** folder, if present, from the **C:\IBM\WebSphere\AppServer** directory.
2. Extract the **6.0.2-WS-WASJavaSDK-WinX32-FP00000017.zip** file into the **C:\IBM\WebSphere\AppServer** directory.
3. Change directory to **C:\IBM\WebSphere\AppServer\updateinstaller**.
4. Double click the **update.exe** file.
5. Click **Next** in the IBM Update Installer for WebSphere Software Welcome dialog box.
6. Accept the default installation location as it appears and click **Next**.
7. Select **Install maintenance package** and click **Next**.
8. Accept the default path to the maintenance package file and click **Next**.
9. Read the Wizard panel text to verify that Fix Pack 6.0.2.17 (FP60217) for the JavaSDK is being installed and then click **Next** to begin the installation.
10. Allow the file-copying process to complete. Read the Wizard panel text to verify that the JDK successfully copied and click **ReLaunch**.
11. Select **Install maintenance package** and click **Next**.
12. Accept the default filename of the maintenance package as it appears and click **Next**.
13. Read the Wizard panel text to verify that maintenance package **WASJAVASDKFP60217** is being installed and then click **Next** to begin the installation.

14. Allow the file-copying process to complete. (The text reads: Backing up component:prereq;jdk.)
15. Read the Wizard panel text to verify that maintenance package **WASJAVASDKFP60217** is about to be installed and then click **Finish**.

The fix pack (6.0.2.17) javasdk patch installation process is now complete, which completes the IBM WebSphere 6.0.2.17 installation process.

## 3 Install IBM Maximo 6.2.1

### 3.1 Install Actuate

- \_\_\_ 1. Log in to Windows as Administrator.
- \_\_\_ 2. Navigate to **C:\temp\install\actuate\iserver** folder and double-click the **setup.exe**.
- \_\_\_ 3. Click **Next** in the Welcome dialog box.
- \_\_\_ 4. Accept the terms of the License Agreement and click **Next**.
- \_\_\_ 5. Select **Custom**.
- \_\_\_ 6. Click **Browse** and select **C:\Actuate8\iServer** as the Destination Folder.
- \_\_\_ 7. Click **Next**.
- \_\_\_ 8. Select all components except Sample Volume and click **Next**.
- \_\_\_ 9. Select **Stand-alone** and click **Next**.
- \_\_\_ 10. Click the **Browse** button and navigate to **C:\temp\install\actuate\Actuate\_key\_18802.xml**.
- \_\_\_ 11. Click **Next**.
- \_\_\_ 12. Accept the default values that appear in your Locale Information dialog box and click **Next**.
- \_\_\_ 13. Use the following values at the **Specify Profiles** window:
  - **User name:** Administrator
  - **Password:** object00
  - **Confirm password:** object00

- Check-boxes in the Services Profile frame are checked.
- \_\_\_ 14. Click **Next**.
  - \_\_\_ 15. Click **OK** at the **Logon as Service...** message box.
  - \_\_\_ 16. Accept the default values at the **iServer Configuration** window.
  - \_\_\_ 17. Use the following values at the **Configure Actuate System Administration Password** window:
    - **Password:** object00
    - **Confirm password:** object00
  - \_\_\_ 18. Accept the default values at the **Volume Information** window and click **Next**.
  - \_\_\_ 19. Select **Use the Actuate Encyclopeida volume** and click **Next**.
  - \_\_\_ 20. Accept the default values and click **Next**.
  - \_\_\_ 21. Accept the default HTTP port number (8900) values and click **Next**.
  - \_\_\_ 22. Accept the default context path and click **Next**.
  - \_\_\_ 23. Accept the default values for the program folder and click **Next**.
  - \_\_\_ 24. Click **Next** in the Summary dialog box.
  - \_\_\_ 25. After the installation is completed, close the notepad window.
  - \_\_\_ 26. Click **No** to skip the ReadMe file.
  - \_\_\_ 27. Select **Yes, I want to restart my computer** and click **Finish**.

## 3.2 Install Maximo

- \_\_\_ 1. Log in to Windows as the user Administrator.
- \_\_\_ 2. Navigate to **C:\temp\install\maximo** folder and double-click the **maximo621.exe**.
- \_\_\_ 3. Select **English** from the drop-down list and click **OK**.
- \_\_\_ 4. Click **Next** in the Welcome dialog box.
- \_\_\_ 5. Select **IBM WebSphere** as the application server and click **Next**.
- \_\_\_ 6. Enter **000000** (all zeros) and click **Next**.
- \_\_\_ 7. Enter **C:\IBM\Maximo**. Click **Next**.

- \_\_\_ 8. Select **DB2** as the database and click **Next**.
- \_\_\_ 9. Enter the following database-related information, and click **Next**.
  - **Database Server Name:** <hostname\_of\_the\_maximo\_system>
  - **Database Port Number:** 50000
  - **Database Name:** MAXDB (capital letters)
  - **Database Username:** MAXIMO (capital letters)
  - **Password for Database User:** OBJECT00 (capital letters)
- \_\_\_ 10. Leave the **SMTP Host Name** blank and click **Next**.
- \_\_\_ 11. Enter the following E-mail notification information and click **Next**.
  - **Workflow Administrator E-mail:** workflow@tivoli.edu
  - **Maximo Administrator E-mail:** maximo@tivoli.edu
- \_\_\_ 12. Accept the default values in the **Application Server Information** window and click **Next**.
- \_\_\_ 13. Select **Enable Maximo Enterprise Adapter** and click **Next**.
- \_\_\_ 14. Accept the default value Maximo server name and click **Next**.
- \_\_\_ 15. Enter the following information in the **Actuate iServer Information** window and click **Next**.
  - **iServer Name:** <hostname\_of\_the\_maximo\_system>
  - **iServer Port Number:** 8000
  - **Datasource Name:** MAXDB
- \_\_\_ 16. Accept the default Volume Name and click **Next**.
- \_\_\_ 17. Accept the default Actuate Encyclopedia root name and click **Next**.
- \_\_\_ 18. Review the information in the **Pre-Installation Summary** window and click **Install**.
- \_\_\_ 19. Once the installation is complete, click **Next** in the Install Complete dialog box.
- \_\_\_ 20. Click inside the install dialog box. De-select the **Check for Updates...** box and click **Next**.
- \_\_\_ 21. De-select the **Create a Support Online Account box** and click **Done**.

## 3.3 Install Maximo Update

- \_\_\_ 1. Log in to Windows as the user Administrator.
- \_\_\_ 2. Navigate to **C:\temp\install\maximo** folder and double-click the **max621upd.exe**.
- \_\_\_ 3. Accept the default installation directory and click **Next**.
- \_\_\_ 4. Click **Install**.
- \_\_\_ 5. Click **Done**.
- \_\_\_ 6. Edit the following properties file:

```
C:\IBM\Maximo\applications\activeportal\WEBINF\classes\com\actuate\ExternalText\actuatei18ntext.properties
```

- \_\_\_ 7. Search for the following text string:

```
actuate.externText.password=
```

Change it to the following:

```
actuate.externText.password=OBJECT00
```

- \_\_\_ 8. Search for the following text string:

```
l_reportlabel.columnwidth as width1 from .reportlabel
```

Change it to the following:

```
l_reportlabel.columnwidth as width1 from Maximo.reportlabel
```

- \_\_\_ 9. Search for the following text string:

```
actuate.externText.localeSQLString=select varvalue from .maxvars
```

Change it to the following

```
actuate.externText.localeSQLString=select varvalue from Maximo.maxvars
```

## 3.4 Install the Language Utilities

- \_\_\_ 1. Log in to Windows as the user Administrator.
- \_\_\_ 2. Navigate to **C:\temp\install\maximo** folder and double-click the **maxlang.exe**.

- \_\_\_ 3. Select **English** from the drop-down list and click **OK**.
- \_\_\_ 4. Click **Next** in the Introduction dialog box.
- \_\_\_ 5. Change that the default value (C:\Maximo) to **C:\IBM\Maximo** and click **Next**.
- \_\_\_ 6. Click **Install** in the Pre-Installation Summary dialog box.
- \_\_\_ 7. Accept default values and click **Next**.
- \_\_\_ 8. Check **Build maximohelp.ear** file and click **Next**.
- \_\_\_ 9. Click **Done**.

### 3.5 Install the Product Enablers

- \_\_\_ 1. Log in to Windows as the user Administrator.
- \_\_\_ 2. Navigate to **C:\temp\install\maximope\asset** folder and double-click the **setup.exe**.
- \_\_\_ 3. Select **English** from the drop-down list and click **OK**.
- \_\_\_ 4. Click **Next** in the Welcome dialog box.
- \_\_\_ 5. Verify that the default value (C:\IBM\Maximo) is the Maximo Home Directory and click **Next**.
- \_\_\_ 6. Click **Install** in the Pre-Configuration Message box and allow the installation progress bar to complete.
- \_\_\_ 7. Select **Yes** to install another Product Enabler.
- \_\_\_ 8. Perform **steps 1-7** installing **C:\temp\install\maximope\service\setup.exe** at step 2.
- \_\_\_ 9. Perform **steps 1-6** installing **C:\temp\install\maximope\change\setup.exe** at step 2.
- \_\_\_ 10. Select **No** to generate the EAR files and click **Done**.
- \_\_\_ 11. Click **Done**.

### 3.6 Import Maximo Database Schema

- \_\_\_ 1. Open a command prompt.



- \_\_\_ 2. Change directory path to: C:\IBM\maximo\tools\maximo
- \_\_\_ 3. At the prompt, type:

```
maxinst -sMAXDB -tMAXDB
```



**Note:** This may take up to 20 minutes. This will populate the database with the sample data. You can use **-imaximo** flag to create an empty database.

## 3.7 Create the Maximo Application Server

### 3.7.1 Create a Windows Service for the Node Agent

- \_\_\_ 1. Open a command prompt.
- \_\_\_ 2. Change directory to C:\IBM\WebSphere\AppServer\bin.
- \_\_\_ 3. Type the following command with no line breaks (case-sensitive).

```
WASService -add NodeAgent -serverName nodeagent -profilePath
"C:\IBM\WebSphere\AppServer\profiles\Custom01" -wasHome
"C:\IBM\WebSphere\AppServer" -logRoot
"C:\IBM\WebSphere\AppServer\profiles\Custom01\logs\nodeagent
" -LogFile
"C:\IBM\WebSphere\AppServer\profiles\Custom01\logs\nodeagent
\startServer.log" -restart true
```

- \_\_\_ 4. Close the command prompt.

### 3.7.2 Create the Maximo Application Server

- \_\_\_ 1. If the WebSphere related services and processes are not running then start them.
- \_\_\_ 2. Open a browser window and enter the following URL:
 

```
http://<hostname_of_the_maximo_system>:9060/admin
```
- \_\_\_ 3. Enter a username to login (i.e. wasadmin). You can enter any name. Security is not enabled.
- \_\_\_ 4. Expand the **Servers** link and click **Application servers**.
- \_\_\_ 5. Click **New**.
- \_\_\_ 6. Type **MAXIMOSERVER** and click **Next**.

- \_\_\_ 7. Accept all default settings and click **Next**.
- \_\_\_ 8. Accept all default settings and click **Next**.
- \_\_\_ 9. Click **Finish**.
- \_\_\_ 10. Check the **MAXIMOSERVER** check box and click **save**.
- \_\_\_ 11. Check the **Synchronize changes with Nodes** check-box and click the **Save** link in the Messages box.

### 3.7.3 Edit JVM Memory Settings

- \_\_\_ 1. From the **Servers** link in the tree view click **Application servers**.
- \_\_\_ 2. Click **MAXIMOSERVER** in the main window.
- \_\_\_ 3. From the **Server Infrastructure** group, expand the **Java and Process Management** link.
- \_\_\_ 4. Click **Process Definition**.
- \_\_\_ 5. Click **Java Virtual Machine**.
- \_\_\_ 6. Scroll down and type **512** for **Initial Heap Size** and **1024** for **Maximum Heap Size** and click **OK**.
- \_\_\_ 7. Click **Save** in the Messages box.
- \_\_\_ 8. Check the **Synchronize changes with Nodes** check-box and click **Save**.

### 3.7.4 Add a Redirect to IBM WebSphere 6.0.2.17 for Actuate

- \_\_\_ 1. From **Application servers >> MAXIMOSERVER >> Java and Process Management >> Process Definition >> Java Virtual Machine**, click the **Custom Properties** link.
- \_\_\_ 2. Click **New**.
- \_\_\_ 3. In the **General Properties** section, type the following values:
  - \_\_\_ a. **Name:** com.ibm.websphere.sendredirect.compliance
  - \_\_\_ a. **Value:** 1
  - \_\_\_ a. **Description:** Redirect for Actuate
- \_\_\_ 4. Click **Apply**.

- \_\_\_ 5. Click **Save** in the message box.
- \_\_\_ 6. Check **Synchronize changes with Nodes** and click **Save**.

### 3.7.5 Create Virtual Host

- \_\_\_ 1. Expand the **Environment** link from the tree view.
- \_\_\_ 2. Click **Virtual Hosts**.
- \_\_\_ 3. Click **New**.
- \_\_\_ 4. In the **General Properties** section, type **MAXIMOSERVER\_host** in the **Name** box.
- \_\_\_ 5. Click **Apply**.
- \_\_\_ 6. Click **Save**.
- \_\_\_ 7. Check **Synchronize changes with Nodes** and click **Save**.
- \_\_\_ 8. From the **Virtual Hosts** window, click **MAXIMOSERVER\_host**.
- \_\_\_ 9. Click the **Host Aliases** link.
- \_\_\_ 10. Click **New**.
- \_\_\_ 11. Type \* (star) for **Host Name** and type **80** for the **HTTP port number**.
- \_\_\_ 12. Click **OK**.
- \_\_\_ 13. Don't save yet. Click **New**.
- \_\_\_ 14. Type \* (asterisk) for **Host Name** and type **9080** for the **HTTP port number**.
- \_\_\_ 15. Click **Apply** and then click **OK**. You must apply this setting before saving the settings in the next step.
- \_\_\_ 16. Click **Save** in the message box.
- \_\_\_ 17. Check **Synchronize changes with Nodes** and click **Save**.

## 3.8 Configuring JMS Options for MEA

### 3.8.1 Create a JMS Bus

- \_\_\_ 1. In the WebSphere Administration Console, expand **Service Integration** and click **Buses**.
- \_\_\_ 2. Click **New** to open a dialog box where you can add a new service integration bus.
- \_\_\_ 3. To add a new service integration bus, enter the following information:
  - **Name:** meajmsbus
  - **Secure check box:** deselect
  - **High message threshold:** 500000
  - Accept all other default settings
- \_\_\_ 4. Click **Apply** to create the new service integration bus.

### 3.8.2 Add Servers to the JMS Bus

- \_\_\_ 1. From the WebSphere Administrative Console, click **Service Integration >> Buses** to open the Buses dialog box.
- \_\_\_ 2. Click **meajmsbus** to open the **Buses > meajmsbus** dialog box.
- \_\_\_ 3. Under **Topology**, click **Bus members**.
- \_\_\_ 4. In the **Buses > meajmsbus > Bus members** dialog box, click **Add**.
- \_\_\_ 5. Click the Server drop-down arrow, and select a server name, for example **Max100Node01.MAXIMOSERVER** to add to the bus.
- \_\_\_ 6. Click **Next**.
- \_\_\_ 7. Click **Finish**.
- \_\_\_ 8. Click **Save**.
- \_\_\_ 9. Check **Synchronize changes with Nodes** and click **Save**.

### 3.8.3 Create the JMS Bus Destination for the Continuous Inbound (cqinbd) Queue

- \_\_\_ 1. From the WebSphere Administrative Console, click **Service Integration >> Buses** to open the Buses dialog box.
- \_\_\_ 2. Click **meajmsbus** to open the **Buses > meajmsbus** dialog box.
- \_\_\_ 3. Click **Destinations** under **Destination resources** to open the **Buses > meajmsbus > Destinations** dialog box.
- \_\_\_ 4. Click **New** to open the **Create new destination** dialog box.
- \_\_\_ 5. Leave **Queue** checked as the **destination type**, and click **Next** to open the **Create new queue** dialog box.
- \_\_\_ 6. Type **cqinbd** in the **Identifier field** and **Continuous Queue Inbound** in the **Description** field, then click **Next** to open the **Create a new queue for point-to-point messaging** dialog box.
- \_\_\_ 7. Select the Bus Member pull-down and choose a server, such as **Max100Node01.MAXIMOSERVER** as the bus member that will store and process messages for the cqinbd bus destination queue.
- \_\_\_ 8. Click **Next**.
- \_\_\_ 9. Review your selections, then click **Finish** to complete the creation of the **cqinbd** bus destination queue.
- \_\_\_ 10. Navigate to **Buses >> meajmsbus >> Destinations**, then click **cqinbd** to open the configuration dialog box where you must make the following changes:
  - Change the **Maximum failed deliveries** value to **1**.
  - Click **None** as the **Exception destination** value.
- \_\_\_ 11. Click **Apply**.
- \_\_\_ 12. Click **Save**.
- \_\_\_ 13. Check **Synchronize changes with Nodes** and click **Save**.

### 3.8.4 Create the JMS Bus Destination Inbound (sqinbd) Queue

- \_\_\_ 1. From the WebSphere Administrative Console, click **Service Integration >> Buses** to open the **Buses** dialog box.
- \_\_\_ 2. Click **meajmsbus** to open the **Buses > meajms** dialog box.



- \_\_\_ 3. Click **Destinations** under **Destination resources** to open the **Buses > meajmsbus > Destinations** dialog box.

**Note:** A bus destination, for example sqinbd, is a virtual place within a service integration bus where applications can attach and exchange messages.

- \_\_\_ 4. Click **New** to open the **Create new destination** dialog box.
- \_\_\_ 5. Leave **Queue** checked as the **destination type**, and click **Next** to open the **Create new queue** dialog box.
- \_\_\_ 6. Enter **sqinbd** in the **Identifier field** and **Sequential Queue Inbound** in the **Description** field, then click **Next** to open the **Create a new queue for point-to-point messaging** dialog box.
- \_\_\_ 7. Select the **Bus Member** pull-down and choose a server, such as **Max100Node01.MAXIMOSERVER** as the bus member that will store and process messages for the sqinbd bus destination queue.
- \_\_\_ 8. Click **Next**.
- \_\_\_ 9. Review your selections, then click **Finish** to complete the creation of the sqinbd bus destination queue.
- \_\_\_ 10. Navigate the path **Buses >> meajmsbus >> Destinations**, then click **sqinbd** to open the configuration dialog box where you must make the following changes:
  - Change the **Maximum failed deliveries** value to **1**.
  - Click **None** as the **Exception destination** value.
- \_\_\_ 11. Click **Apply**.
- \_\_\_ 12. Click **Save**.
- \_\_\_ 13. Check **Synchronize changes with Nodes** and click **Save**.

### 3.8.5 Create the JMS Bus Destination for the Sequential Outbound (sqoutbd) Queue

- \_\_\_ 1. From the WebSphere Administrative Console, click **Service Integration >> Buses** to open the **Buses** dialog box.
- \_\_\_ 2. Click **meajmsbus** to open the **Buses > meajms** dialog box.
- \_\_\_ 3. Click **Destinations** under **Destination resources** to open the **Buses > meajmsbus > Destinations** dialog box.
- \_\_\_ 4. Click **New** to open the **Create new destination** dialog box.

- \_\_\_ 5. Leave **Queue** checked as the **destination type**, and click **Next** to open the **Create new queue** dialog box.
- \_\_\_ 6. Enter **sqoutbd** in the **Identifier field** and **Sequential Queue Outbound** in the **Description** field, then click **Next** to open the **Create a new queue for point-to-point messaging** dialog box.
- \_\_\_ 7. Select the **Bus Member** pull-down and choose a server, such as **Max100Node01.MAXIMOSERVER** as the bus member that will store and process messages for the sqinbd bus destination queue.
- \_\_\_ 8. Click **Next**.
- \_\_\_ 9. Review your selections, then click **Finish** to complete the creation of the sqinbd bus destination queue.
- \_\_\_ 10. Navigate the path **Buses >> meajmsbus >> Destinations**, then click **sqoutbd** to open the configuration dialog box where you must make the following changes:
  - Change the **Maximum failed deliveries** value to **1**.
  - Click **None** as the **Exception destination** value.
- \_\_\_ 11. Click **Apply**.
- \_\_\_ 12. Click **Save**.
- \_\_\_ 13. Check **Synchronize changes with Nodes** and click **Save**.

### 3.8.6 Create the MEA Connection Factory

- \_\_\_ 1. From the WebSphere Administrative Console, navigate to **Resources >> JMS Providers >> Default Messaging** to open the **Default messaging provider** dialog box.
- \_\_\_ 2. Click **Browse Nodes**.
- \_\_\_ 3. Select the Node, (not the cell Manager) and click **OK**.
- \_\_\_ 4. Under **Connection Factories**, click **JMS queue connection factory**.
- \_\_\_ 5. Click **New**.
- \_\_\_ 6. Enter the following values:
  - **Name:** meaconfact
  - **JNDI name:** jms/mro/int/qcf/intqcf
  - **Bus name:** meajmsbus
- \_\_\_ 7. Click **OK** to add **meaconfact** as a new JMS queue connection factory.

- \_\_\_ 8. Click **Save**.
- \_\_\_ 9. Check **Synchronize changes with Nodes** and click **Save**.

### 3.8.7 Create the Continuous Inbound (cqin) JMS Queue

- \_\_\_ 1. From the WebSphere Administrative Console, click **Resources >> JMS Providers >> Default Messaging** to open the **Default messaging provider** dialog box.
- \_\_\_ 2. Under **Destinations**, click **JMS queue** to open the JMS queue dialog box where you can create a new queue for continuous inbound messages.
- \_\_\_ 3. Click **New**.
- \_\_\_ 4. Enter the following information:
  - **Name:** cqin
  - **JNDI name:** jms/mro/int/queues/cqin
  - **Bus name:** meajmsbus
  - **Queue name:** cqinbd
- \_\_\_ 5. Click **OK**.
- \_\_\_ 6. Click **Save**.
- \_\_\_ 7. Check **Synchronize changes with Nodes** and click **Save**.

### 3.8.8 Create the Sequential Inbound (sqin) JMS Queue

- \_\_\_ 1. From the WebSphere Administrative Console, Navigate to **Resources >> JMS Providers >> Default Messaging** to open the Default messaging provider dialog box.
- \_\_\_ 2. Under **Destinations**, click **JMS queue** to open the JMS queue dialog box where you can create a new queue for sequential inbound messages.
- \_\_\_ 3. Click **New**.
- \_\_\_ 4. Enter the following information:
  - **Name:** sqin
  - **JNDI name:** jms/mro/int/queues/sqin
  - **Bus name:** meajmsbus
  - **Queue name:** sqinbd



- \_\_\_ 5. Click **OK**.
- \_\_\_ 6. Click **Save**.
- \_\_\_ 7. Check **Synchronize changes with Nodes** and click **Save**.

### 3.8.9 Create the Sequential Outbound (sqout) JMS Queue

- \_\_\_ 1. From the WebSphere Administrative Console, click **Resources >> JMS Providers >> Default Messaging** to open the Default messaging provider dialog box.
- \_\_\_ 2. Under **Destinations**, click **JMS queue** to open the JMS queue dialog box where you can create a new queue for sequential inbound messages.
- \_\_\_ 3. Click **New**.
- \_\_\_ 4. Enter the following information:
  - **Name:** sqout
  - **JNDI name:** jms/mro/int/queues/sqout
  - **Bus name:** meajmsbus
  - **Queue name:** sqoutbd
- \_\_\_ 5. Click **OK**.
- \_\_\_ 6. Click **Save**.
- \_\_\_ 7. Check **Synchronize changes with Nodes** and click **Save**.

### 3.8.10 Create JMS Activation for the Continuous Inbound Queue (cqin)

- \_\_\_ 1. From the WebSphere Administrative Console, click **Resources >> JMS Providers >> Default Messaging** to open the Default messaging provider dialog box.
- \_\_\_ 2. Under **Activation Specifications**, click **JMS activation specification** to open the JMS activation specification dialog box where you can create an activation configuration that will enable cqin to receive inbound messages.
- \_\_\_ 3. Click **New**.
- \_\_\_ 4. Enter the following information:
  - **Name:** meajmsact
  - **JNDI name:** meajmsact

- **Destination type:** Queue (default)
- **Destination JNDI name:** jms/mro/int/queues/cqin
- **Bus name:** meajmsbus
- **Maximum batch size:** 10
- **Maximum concurrent endpoints:** 5

- \_\_\_ 5. Click **OK**.
- \_\_\_ 6. Click **Save**.
- \_\_\_ 7. Check **Synchronize changes with Nodes** and click **Save**.
- \_\_\_ 8. Restart all WebSphere processes for the update to take effect.

## 3.9 Deploy the EAR Files

### 3.9.1 Install MAXIMO EAR File

- \_\_\_ 1. From the WebSphere Administrative Console, expand the **Applications** link and click **Install New Applications**.
- \_\_\_ 2. Select **Local file system** and navigate to where the EAR files reside (C:\IBM\Maximo\deployment\default\maximo.ear) and click **Next**.
- \_\_\_ 3. Check **Generate Default Bindings** and click **Next**.
- \_\_\_ 4. Click **Continue** in the Applications Security Warnings window.
- \_\_\_ 5. Accept default settings and click **Next**.
- \_\_\_ 6. Complete the following steps:
  - \_\_\_ a. Select all modules.
  - \_\_\_ b. Select both servers that appear in the Clusters and Servers box.
  - \_\_\_ c. Click **Apply**.
  - \_\_\_ d. Click **Next**.
- \_\_\_ 7. Accept default settings for step 3 and click **Next**.
- \_\_\_ 8. Accept default settings for step 4 and click **Next**.
- \_\_\_ 9. Accept default settings for step 5 and click **Next**.

- \_\_\_ 10. Accept default settings for step 6 and click **Next**.
- \_\_\_ 11. Complete the following for step 7:
  - \_\_\_ a. Select all Web modules.
  - \_\_\_ b. From the **Virtual host** drop-down list, select **MAXIMOSERVER\_host** for all modules.
  - \_\_\_ c. Click **Next**.
- \_\_\_ 12. Accept default settings for step 8 and click **Next**.
- \_\_\_ 13. Accept default settings for step 9 and click **Next**.
- \_\_\_ 14. Click **Finish** in the Summary page.
- \_\_\_ 15. Allow the process to complete and click **Save to Master Configuration**.
- \_\_\_ 16. Check **Synchronize changes with Nodes** and click **Save**.

### 3.9.2 Install ACWEB EAR File

- \_\_\_ 1. From the WebSphere Administrative Console, expand the **Applications** link and click **Install New Applications**.
- \_\_\_ 2. Select **Local file system** and navigate to where the EAR files reside (C:\IBM\Maximo\deployment\default\acweb.ear) and click **Next**.
- \_\_\_ 3. Check **Generate Default Bindings** and click **Next**.
- \_\_\_ 4. Click **Continue** in the Applications Security Warnings window.
- \_\_\_ 5. Accept default settings and click **Next**.
- \_\_\_ 6. Complete the following steps:
  - \_\_\_ a. Select the **acweb.war** module.
  - \_\_\_ b. Select both servers that appear in the Clusters and Servers box.
  - \_\_\_ c. Click **Apply**.
  - \_\_\_ d. Click **Next**.
- \_\_\_ 7. Complete the following steps:
  - \_\_\_ a. Select the **acweb.war** module.
  - \_\_\_ b. From the **Virtual host** drop-down list, select **MAXIMOSERVER\_host**.

- \_\_\_ c. Click **Next**.
- \_\_\_ 8. Accept default settings and click **Finish**.
- \_\_\_ 9. Allow the process to complete and click **Save to Master Configuration**.
- \_\_\_ 10. Check **Synchronize changes with Nodes** and click **Save**.

### 3.9.3 Install MAXIMOHELP EAR File

- \_\_\_ 1. From the WebSphere Administrative Console, expand the **Applications** link and click **Install New Applications**.
- \_\_\_ 2. Select **Local file system** and navigate to where the EAR files reside (C:\IBM\Maximo\deployment\default\maximohelp.ear) and click **Next**.
- \_\_\_ 3. Check **Generate Default Bindings** and click **Next**.
- \_\_\_ 4. Check **Pre-compile JSP** and **Deploy Web Services** and click **Next**.
- \_\_\_ 5. Complete the following steps:
  - \_\_\_ a. Select the **enmaximohelp.war** module.
  - \_\_\_ b. Select both servers that appear in the Clusters and Servers box.
  - \_\_\_ c. Click **Apply**.
  - \_\_\_ d. Click **Next**.
- \_\_\_ 6. Complete the following steps:
  - \_\_\_ a. Select the **enmaximohelp.war** module.
  - \_\_\_ b. From the **Virtual host** drop-down list, select **MAXIMOSERVER\_host**.
  - \_\_\_ c. Click **Next**.
- \_\_\_ 7. Accept default settings for step 4 and click **Next**.
- \_\_\_ 8. Click **Finish** in the Summary page.
- \_\_\_ 9. Allow the process to complete and click **Save to Master Configuration**.
- \_\_\_ 10. Check **Synchronize changes with Nodes** and click **Save**.

### 3.9.4 Start the MAXIMOSERVER

- \_\_\_ 1. From the WebSphere Administrative Console, expand the **Servers** link from the tree view and click **Application servers**.
- \_\_\_ 2. Select **MAXIMOSERVER** and click **Start**. Allow for the Status to change to a green arrow.
- \_\_\_ 3. Expand the **Applications** link and click **Enterprise Applications**.
- \_\_\_ 4. Ensure that all three Applications are running.
- \_\_\_ 5. You may log out of the console at this time and close the browser session.

## 3.10 Install The Actuate Encyclopedia for Maximo

The Encyclopedia is a collection of Maximo-specific reports, user roles, and user permissions that are copied during installation and placed in the Actuate8/iServer/encyc folder.

Perform the following steps to install Actuate Encyclopedia for Maximo:

- \_\_\_ 1. Log in to Windows as the user Administrator.
- \_\_\_ 2. Navigate to **C:\temp\install\ency** folder and double-click the **actuate621.exe**.
- \_\_\_ 3. Select **English** from the drop-down list and click **OK**.
- \_\_\_ 4. Click **Next** in the Introduction dialog box.
- \_\_\_ 5. Accept the default installation location (c:\Actuate8\iServer\ActuateIntegration). Click **Next**.
- \_\_\_ 6. Enter **object00** for Administrator password. Click **Next**.
- \_\_\_ 7. Select **DB2** and click **Next**.
- \_\_\_ 8. Enter the following database-related information, and click **Next**.
  - **Database Server Name:** <hostname\_of\_the\_maximo\_system>
  - **Database Port Number:** 50000
  - **Database Name:** MAXDB (capital letters)
  - **Database Username:** MAXIMO (capital letters)
  - **Password for Database User:** OBJECT00 (capital letters)
- \_\_\_ 9. Enter the hostname of the maximo system and click **Next**.

- \_\_\_ 10. Click **Install**.
- \_\_\_ 11. Deselect the update option and click **Next**.
- \_\_\_ 12. Click **Done**.

### 3.11 Import the Encyclopedia

- \_\_\_ 1. Login to the Actuate Admin Console ([http://<host\\_name>:8900/acadmin](http://<host_name>:8900/acadmin)).
- \_\_\_ 2. Change the system drop down to **System Administration**.
- \_\_\_ 3. Login with username **Administrator** and password **object00**.
- \_\_\_ 4. Select the **System tab** (if not selected by default already).
- \_\_\_ 5. Click the **Stop** button on the **System tab**.
- \_\_\_ 6. Click **OK** in the ensuing message box. Wait 1 to 2 minutes for the Stop to take effect.
- \_\_\_ 7. Using Windows Explorer, navigate to your Actuate installation location:  

```
C:\Actuate8\iServer
```
- \_\_\_ 8. Delete the **encyc** folder found under the **C:\Actuate8\iServer** folder.
- \_\_\_ 9. Open a command prompt and change path to Actuate's bin directory:  

```
C:\Actuate8\iServer\bin
```
- \_\_\_ 10. Execute the **acimport.bat** script.
- \_\_\_ 11. After importing the Encyclopedia, go back to the Actuate Admin Console and start the Volume.

### 3.12 Enable Reports to Run

- \_\_\_ 1. To enable reports to execute, sign into Maximo as maxadmin:
  - \_\_\_ a. Launch Internet Explorer and in the URL address bar type:  

```
http://<hostname_of_the_maximo_system>/maximo
```
  - \_\_\_ b. Login as **maxadmin** for both username and password. Newly installed Maximo databases contain maxadmin as a user ID with unlimited system access

- \_\_\_ 2. Navigate to **Go To >> Reporting >> Report Administration** application.
- \_\_\_ 3. Click **Recreate all XML on the List tab**.
- \_\_\_ 4. Wait until the message **The request page XML has been generated** displays.

You can now run Reports properly.





# Conclusion

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## Summary

In this white paper explained the steps to install IBM Maximo 6.2.1 and its prerequisites using the default values on one server topology.

