IBM

IBM Maximo Asset Management V7.1.1

Clone a Maximo V7.1.1 administrative workstation

In this training module for Maximo® Asset Management V7.1.1, you learn how to clone a Maximo V7.1.1 administrative workstation to another workstation.

Objectives

When you complete this module, you can perform these tasks:

- Back up deployment engine

- Back up the IBM Maximo V7.1.1 folder

- Configure the new Maximo V7.1.1 administrative workstation

- Set Maximo properties

When you complete this module, you can perform these tasks: Back up deployment engine. Back up the Maximo V7.1.1 folder. Configure the new Maximo V7.1.1 administrative workstation. And set Maximo properties.

Requirements

- Both workstations must have identical versions of Windows
- The Maximo location must be the same on both workstations
- The middleware must be installed for each environment

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You can clone or port a Maximo environment to another workstation from a workstation where Maximo is installed. The operating system on both workstations must be identical. If one is Windows® 2003 Service Pack 2 64-bit, the second workstation must be the same. It cannot be, for example, Windows 2003 Service Pack 2 32-bit or Windows 2003 64-bit. On both workstations, Maximo must be in the same location. If Maximo is installed on the E drive on the first workstation, then it must be set up on the E drive on the second workstation. The cloning process happens after the Maximo application software is installed and configured for the second environment.

Backing up deployment engine and the Maximo V7.1.1 folder (1 of 2)

Perform these steps on the source workstation:

- Compress the **ibm\smp** folder

- Back up the global deployment engine
    - Run setenv from c:\program files\ibm\common\acsi
    - Run backupdb from c:\program files\ibm\common\acsi\bin
        Backupdb <path\filename>
        For example: backupdb c:\maximo7de

- Back up the Maximo database

You need to perform three tasks on the first, or source, workstation. First, you compress the ibm\smp folder. Second, backup the global deployment engine. To back up the deployment engine, open a command prompt and change directory to c:\program files\ibm\common\acsi. Run setenv. Change to the bin folder and run the backupdb command, passing the path and file name as a parameter. Verify that backup file has a file size and is not 0 bytes. Third, decide whether to use the database of the source environment. If you decide to use that database, then create a backup of it.

Configuring the new Maximo V7.1.1 administrative workstation (2 of 2)

Perform these steps on the destination workstation:

- Copy the compressed **smp** folder and deployment engine backup

- Extract the smp folder from the first workstation

- Install the deployment engine
    - Extract the deployment engine folder from the payload.zip of current fix pack installer
    - Run si_inst

- Restore the deployment engine
    - Run setenv from c:\program files\ibm\common\acsi
    - Run restoredb from c:\program files\ibm\common\acsi\bin

        restoredb <path\filename>

        For example: restoredb c:\maximo7de

- Change deployment engine host name by running **de_chghostname** from **C:\program files\ibm\common\acsi\bin**

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Next, you copy the compressed smp folder and deployment engine backup to the second, or destination, workstation. Then, extract the smp folder to the same drive as the first workstation. From the installation media of the latest fix pack you installed, extract the deployment engine folder from the payload.zip file included with the fix pack files. Open a command prompt and change to the location of the extracted deployment engine file. Install the deployment engine by running si_inst. From a command prompt, change directories to c:\program files\ibm\common\acsi folder. Run setenv. Change to the bin folder. Run restoredb, passing as a parameter a path name. For example, restoredb c:\maximo7de. You must change the host name for the deployment engine to indicate that it is running on a different workstation. From a command prompt, change directories to c:\program files\ibm\common\acsi folder. Run setenv. Change to the bin folder. Run the de_chghostname command.

Completing the cloning process

- Restore the database
- Modify these files and change the properties to reflect this new environment
  - ibm\smp\etc\install.properties
  - ibm\smp\maximo\applications\maximo\properties\maximo.properties
- Build and deploy the EAR files
- Modify properties using the System Properties application

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Next, restore the backed-up database from the first environment to the database in this second environment. Then, you must update the properties to reflect this new environment. For example, you need to update the database server and connectivity information, and the application server information. The files that contain these properties are shown on the slide. When you modify the maximo.properties file, edit the non-encrypted file and then run encryptproperties to re-encrypt it, after you change the properties. Also, you need to build and deploy the EAR files to the application server JVM for this second environment. Finally, log in to Maximo as an administrative user and go to the System Properties application. Modify the same properties that you changed in the files and set them to the same files. If you encounter errors with this process or any other component installations into this environment, you might have to use the original installations on this new administrative workstation.

Summary

Now that you have completed this module, you can perform these tasks:

- Back up deployment engine
- Back up the Maximo V7.1.1 folder
- Configure the new Maximo V7.1.1 administrative workstation
- Set Maximo properties

Now that you have completed this module, you can perform these tasks. Back up deployment engine. Back up the Maximo V7.1.1 folder. Configure the new Maximo V7.1.1 administrative workstation. And set Maximo properties.

Useful links

- Maximo landing page

http://www-1.ibm.com/support/docview.wss?uid=swg21418666

- Cloning a Maximo administrative environment

http://www-01.ibm.com/support/docview.wss?uid=swg21438206

For more information, see these links.

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