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Installing IBM® WebSphere® Portal Express V6 on i5/OS®

Lotus software

@business on demand software

Introduction

- This presentation provides step-by-step instructions on installing IBM WebSphere Portal Express from electronic images. It outlines the recommended path to get your first WebSphere Portal Express product installed correctly.

Installing from electronic images

- After you assemble the electronic images (e-images), choose an i5/OS user profile with these special authorities:

    *IOSYSCFG
    *ALLOBJ
    *JOBCTL

- **Note:** Do not choose the QSECOFR user profile, but rather a copy of it.

- You can select one of two install options:
    - Install and Configure
    - Install only

- The most efficient method of getting WebSphere Portal Express up and running on i5/OS is to select the "Install only" option and then configure the Portal profile using IBM Web Administration for i5/OS.

Preparation steps (1 through 3)

Perform these steps to prepare to install WebSphere Portal Express.

1. Start the following subsystems by issuing the following Start Subsystem (STRSBS) CL commands:

   ➤ STRSBS SBSD(QSYSWRK)
   ➤ STRSBS SBSD(QUSRWRK)
   ➤ STRSBS SBSD(QSERVER)
   ➤ STRSBS SBSD(QWAS6/QWAS6)

2. Start the host servers by issuing the STRHOSTSVR SERVER(*ALL) command.

3. Make sure that you can successfully ping the host name of your System i® machine from the PC you are using to install WebSphere Portal Express.

Preparation steps (4 through 7)

4. Stop any personal firewalls running on your PC client.

5. Telnet from the PC client to System i and from System i to the PC client. Note: The last telnet attempt will fail, but this test is useful in some networks that require authentication by way of internal firewalls.

6. Do not use remote desktop to install Portal.

7. Proceed with the WebSphere Portal Express install.

"Install only" option

- Perform these steps to launch the "Install only" option, which is the recommended install method.

1. From Windows Explorer, change to the directory where you assembled the WebSphere Portal Express product image.

2. Double-click the launchpad file setup.exe.

Launchpad

- The WebSphere Portal Express launchpad includes links to useful information to get you started such as the Quick Start Guide, prerequisite hardware and software, and product documentation.

- Notice that you can select the language in the upper right corner of the window.

- Use the navigation links on the left to view the information in each panel.

- Click **Install**.
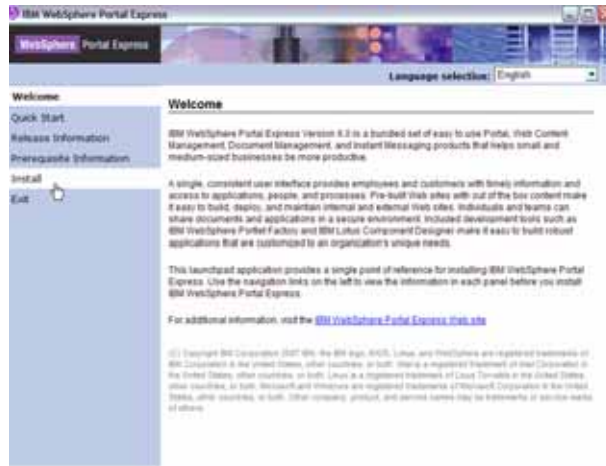
Launch the installation wizard

- On the "Install IBM WebSphere Portal Express window", click "Launch the installation wizard for i5/OS".

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Signon to the Server

- On the "Signon to the Server" window enter this information and then click OK. **Important:** Do not use the QSECOFR user profile.

    - ▸ **System**: Your System i fully qualified host name or IP address.
    - ▸ **User ID**: An i5/OS user profile with *IOSYSCFG, *JOBCTL, and *ALLOBJ authorities.
    - ▸ **Password**: The user ID's password.

Tip: You will not receive an error if you enter the wrong user ID or password in the "Signon to the Server" window.

| Signon to the Server	
System:	10.10.10.2
User ID:	ADAN
Password:	********
OK	Cancel

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Select a language

- On the Installer window, select the language for the InstallShield MultiPlatforms (ISMP) program. Then click **OK**.

Installer

Select a language to be used for this wizard.
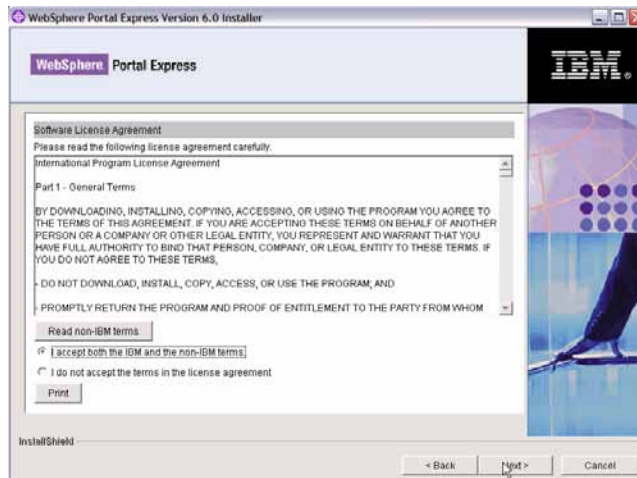
English

OK   Cancel

Installer prerequisite checks

- On the "WebSphere Portal Express Version 6.0 Installer" window, click **Next**. The install wizard then performs prerequisite checking before starting the install.
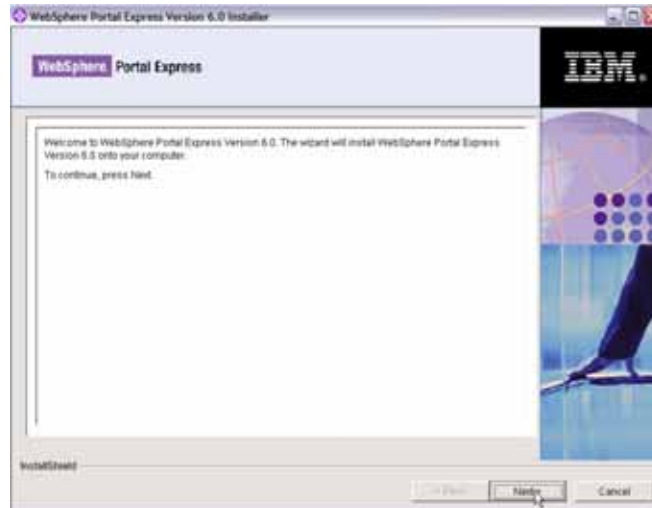
Accept software license agreement

- On the "Software License Agreement" window,
  accept the license terms and click **Next**.

Select install option

- On the "Basic Configuration Option" window, select the "Install only" option to install the WebSphere Portal Express Version 6 code in the i5/OS integrated file system directory of QIBM/ProdData/PortalExpress/V6.

- This example will show the WebSphere Portal Express server configuration using the IBM Web Administration for i5/OS.

- Click **Next.**

Remote installs

- The remote install of the product files can take approximately 15 minutes. During this time, the wizard creates the file /tmp/Installshield/portalinstall.lockfile in the i5/OS integrated file system directory. The wizard will remove the file after the install completes.

- If a previous attempt to install the product did not complete successfully, you might see an error message at this point. If so, you must delete the portalinstall.lockfile before you can continue.
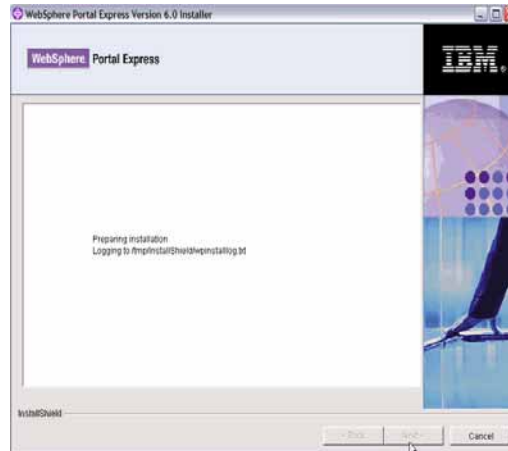
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Ready to install

- WebSphere Portal Express is ready to install. Click **Next**.
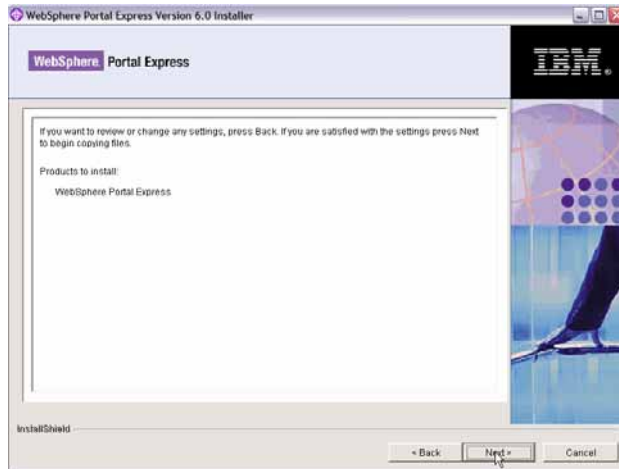
Location of installation logs

- Note the location of the installation logs as shown here.

Copying install image files

- The install image files are copied to /QIBM/ProdData/PortalExpress/V6 as shown here.

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Install progress indicator

- The progress indicator shown here might not move during the copy of the install image files to the ProdData directory. However, the install is still progressing. Do **not** cancel it.
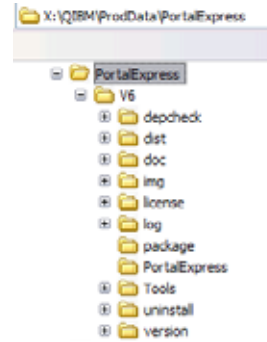
Successful installation message

- The WebSphere Portal Express product library and databases are restored.

- At the successful installation message shown here, take note of the log directory and click **Finish**.

Step 1: Verifying the WebSphere Portal Express install

Perform these three steps to verify the successful install of WebSphere Portal Express on i5/OS.

- Check the product directory of \QIBM\ProdData\PortalExpress. This screen shows the directory structure after the install as shown here.

X:\QIBM\ProdData\PortalExpress

```
PortalExpress
  V6
    depcheck
    dist
    doc
    img
    license
    log
    package
    PortalExpress
    Tools
    uninstall
    version
```

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Step 2: Verifying the WebSphere Portal Express install

- Verify that WebSphere Portal Express shows up in the i5/OS software inventory.
    a. Start iSeries® Navigator
    b. Right-click the name of your System i machine
    c. Select **Inventory > Collect**
    d. Select **Software** and click **OK**
    e. Expand **Management Central** and double-click **Endpoint Systems**
    f. Double-click the name of your System i machine
    g. Double-click **Configuration and Services**
    h. Double-click **Software Inventory**
    i. Double-click **Installed Products**

There should be an entry of WebSphere Portal Express V6.0 as shown here.

Product	Option	Component	Release	Status
5724j23	Base		v7r5m0	Installed
5724j23	1		v7r5m0	Installed
5724j24	Base		v7r0m0	Installed
5733ld7	Base		v7r0m2	Installed
5733ld7	1		v7r0m2	Installed
5733ld7	12		v7r0m2	Installed
5733so1	Base		v1r1m0	Installed
5733so1	1		v5r4m0	Installed
5733w60	Base		v6r0m0	Installed
5733w60	2		v6r0m0	Installed
5733w60	3		v6r0m0	Installed
5733w61	Base		v6r1m0	Installed
5733w61	1		v6r1m0	Installed
5733w61	2		v6r1m0	Installed
WebSphere Portal Express Version 6.0		IBM WebSphere Portal Express 6.0.0.1 iSeries ...	6.0.0.1	Installed
WebSphere Portal Express Version 6.0		IBM WebSphere Portal Express 6.0.0.1 Files	6.0.0.1	Installed
WebSphere Portal Version 6.0		IBM WebSphere Portal for Multiplatforms 6.0.0....	6.0.0.0	Installed

Step 3: Verifying the WebSphere Portal Express install

- Check the installation logs.

Log file name	Description	Problem symptoms
wpinstalllog.txt	Contains trace information that is generated by the installation program.	Check this log if the WebSphere Portal Express installation stops before successful completion.
wpinstalllog_base.txt	This file contains a copy of wpinstalllog.txt before configuring.	Check this log if the WebSphere Portal Express configuration onto a WebSphere Application Server base profile stops before successful completion.
installmessages.txt	Contains messages that are generated during installation.	Check this log for errors generated during installation.

Log file name	Description	Problem symptoms
installtraces1.txt installtraces2.txt installtraces3.txt	Contain trace information generated by the dependency checking function. Output is added to installtraces1.txt until it reaches a predefined size, at which point output goes into installtraces2.txt and then into installtraces3.txt. When installtraces3.txt is full, output reverts to installtraces1.txt and overwrites previous trace information.	Check these files if there are problems with component discovery and dependency checking.
iSeriesDB2Database.txt	Contains the names of the portal databases that were configured.	

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Common install problems

- **Prerequisites not verified properly**
  These issues are related to prerequisite products, missing PTFs, or PTFs in Failed status or "Not Installed" status. Verify the prerequisite products and PTFs immediately before performing the WebSphere Portal Express install and configuration.

- **Problems extracting electronic product images**
  These issues are related to problems downloading or extracting the electronic product images. For example, if you are installing from electronic images and you are prompted to install the next CD, this is a symptom that there is a problem with the files extracted in your download directory.
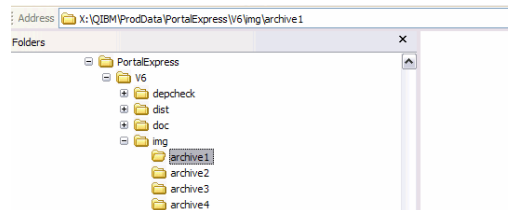
Common install problems

- **Electronic product images are not extracted properly**
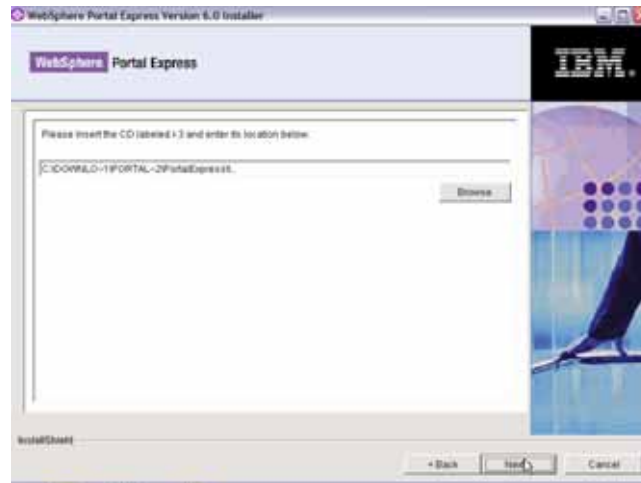
Common install problems

- **Corrupt archive directories**

  One or more archive subdirectories in the \QIBM\ProdData\PortalExpress\V6\img directory is empty or has a file size of zero bytes. The example below shows archive1 being corrupted (empty) as an example of this problem.

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Common install problems

- **Corrupt archive directories (continued)**

  If you run into this problem and are configuring Portal with IBM Web Administration for i5/OS, you will see the error shown below.

  > Error: The installation of WebSphere Portal Express 6.0 on the system has been corrupted. Please re-install and try the request again.

  To resolve this issue, uninstall and then reinstall WebSphere Portal Express.

Common install problems

- **WebSphere Portal Express install does not start after failed install attempt**

  When the WebSphere Portal Express install begins, the file /tmp/Installshield/portalinstall.lockfile is created in the i5/OS integrated file system and is removed after the install completes. If a previous attempt to install the product has not finished successfully, you might see an error message or notice that the installation does not proceed. If the file /tmp/Installshield/portalinstall.lockfile exists on your system, delete it before starting a new install.

Summary

- Once you successfully install WebSphere Portal Express as shown in this presentation, you will now be able to complete the installation by deploying a WebSphere Portal Server.

- The best way to accomplish this is with the "Create WebSphere Portal" wizard. To see a multimedia demonstration of how to use the wizard, refer to **technote #1295594**.

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