IBM Tivoli Provisioning Manager for OS Deployment Version 7.1.1

How to perform a new fix pack installation on Windows servers

In this IBM Tivoli® Provisioning Manager for OS Deployment version 7.1.1 training module, you learn to perform new fix pack installations.

Assumptions

This training module assumes that you performed these tasks before you start the module:

- You successfully made a backup of your Tivoli Provisioning Manager for OS Deployment environment before the fix pack installation

- You successfully quiesced your Tivoli Provisioning Manager for OS Deployment server

- You successfully backed up both your Tivoli Provisioning Manager for OS Deployment server and your Tivoli Provisioning Manager for OS Deployment database

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A backup of your existing IBM Tivoli Provisioning Manager for OS Deployment environment, database, and server gives you a precautionary fall back recovery option. It is assumed that you successfully made these backups before performing a new fix pack installation. It is also assumed that you quiesced the IBM Tivoli Provisioning Manager for OS Deployment server.

Objectives

After you complete this module, you accomplish these tasks:

- Download a new IBM Tivoli Provisioning Manager for OS Deployment fix pack from IBM Fix Central

- Perform a fix pack installation to successfully upgrade your IBM Tivoli Provisioning Manager for OS Deployment server to a new code level

How to perform a new fix pack installation on Windows servers

After you complete this module, you can download the correct IBM Tivoli Provisioning Manager for OS Deployment fix pack from IBM Fix Central. After a successful download, you can perform an installation of the new fix pack on an IBM Tivoli Provisioning Manager for OS Deployment server.

Fix pack overview

Know these things about IBM Tivoli Provisioning Manager for OS Deployment fix packs:

- All IBM Tivoli Provisioning Manager for OS Deployment fix packs are complete product builds

- A fix pack is an upgrade to a revision of Tivoli Provisioning Manager for OS Deployment:
    - The fix pack is for Tivoli Provisioning Manager for OS Deployment 7.1.1.12, running on Windows®
    - You must use a valid IBM user ID and password to download fix packs
    - You download the fix pack code from IBM Fix Central
    - Fix Pack Central URL: http://www-933.ibm.com/support/fixcentral/

As stated on this slide, IBM Tivoli Provisioning Manager for OS Deployment fix packs are complete product builds. They are upgrades. Do not misinterpret these as software patches. Downloading these fix packs from IBM Fix Central requires a valid IBM user ID and password. The URL for IBM Fix Central is displayed on this slide.

Fix Central (1 of 6)

- Go to the IBM Fix Central portal at
  http://www-933.ibm.com/support/fixcentral and
  perform these actions:
  - Click the **Select product** tab and set **Product Group** to **Tivoli**
  - Set **Select from Tivoli** to **Tivoli Provisioning Manager for OS Deployment**
  - Set **Installed Version** to **7.1.1.12** and **Platform** to **Windows**
  - Click **Continue**

Go to the URL of the IBM Fix Central portal that is shown on this slide. After the portal finishes loading, click the **Select product** tab. From the **Product Group** menu, select **Tivoli**. Next, select **Tivoli Provisioning Manager for OS Deployment** from the **Select from Tivoli** menu. In this example, the user is downloading version 7.1.1.12 for Windows operating systems. From the **Installed Version** menu, select **7.1.1.12,** and from the **Platform** menu, select **Windows**. Next, click the **Continue** button.
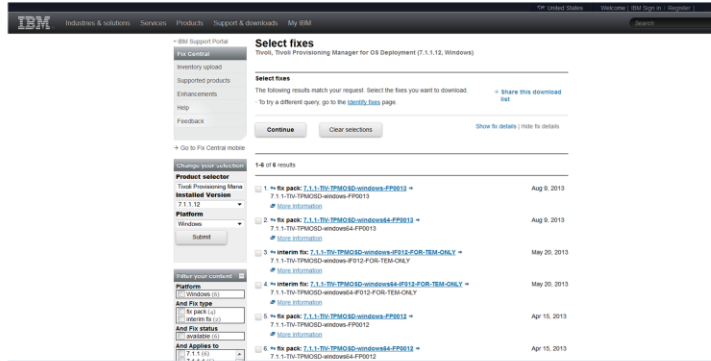
Fix Central (2 of 6)

- Select **Browse for fixes**
- Click **Continue**

Select the **Browse for fixes** option and click the **Continue** button.

Fix Central (3 of 6)

These actions are taken to accomplish selection of the fix pack necessary to upgrade to IBM Tivoli Provisioning Manager for OS Deployment V7.1.1.12 for a Windows OS server:

- Select the **fix pack: 7.1.1-TIV-TPMOSD-windows-FP0012** check box

- Click **Continue**

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In this example, you are upgrading to IBM Tivoli Provisioning Manager for OS Deployment 7.1.1.12 on a Windows OS server. Check the fifth fix check box for **7.1.1-TIV-TPMOSD-windows-FP0012** and click the **Continue** button.

Fix Central (4 of 6)

Sign in with your IBM ID and password

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You are now prompted by the sign-in screen to sign in with your IBM ID. Enter a valid IBM ID and a valid password into the appropriate text boxes and click the **Sign-in** button.

Fix Central (5 of 6)

- Select one of the download options (Download Director or HTTP)
- Select the **Include prerequisites** check box and press **Continue**

Select either Download Director or HTTP as a download option. Download Director creates multiple simultaneous parallel download connections and is faster than HTTP. After selecting a download option, press the **Continue** button. Notice the check box that states **Include prerequisites and co-requisite fixes**. It is just above the **Continue** button. Select the check box to ensure obtaining a listing of all required fixes.

- Verify that you are preparing to download the correct fix pack
- Click **Download now**

Look at the information on the page. Make sure that you are downloading the correct fix. After you verify that the fix version is correct, click the **Download now** button.

Perform partial uninstallation (1 of 3)

Start > **Control Panel** > **Programs and Features**
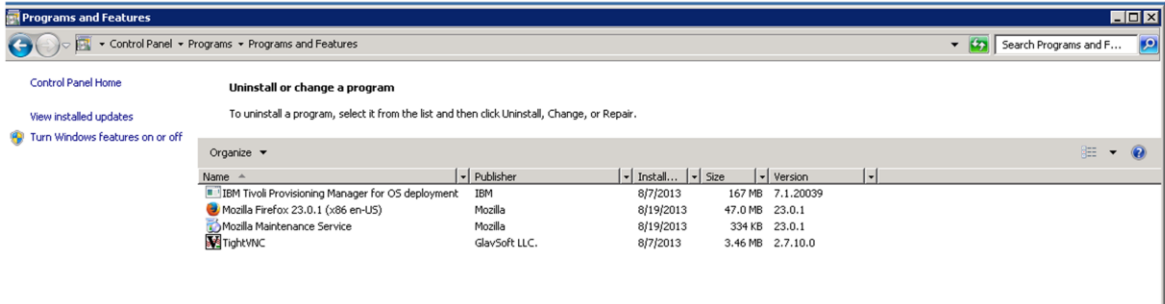
From the Windows 8 operating system desktop, click the **Start** icon. Next, click **Control Panel** and go to **Programs and Features**.
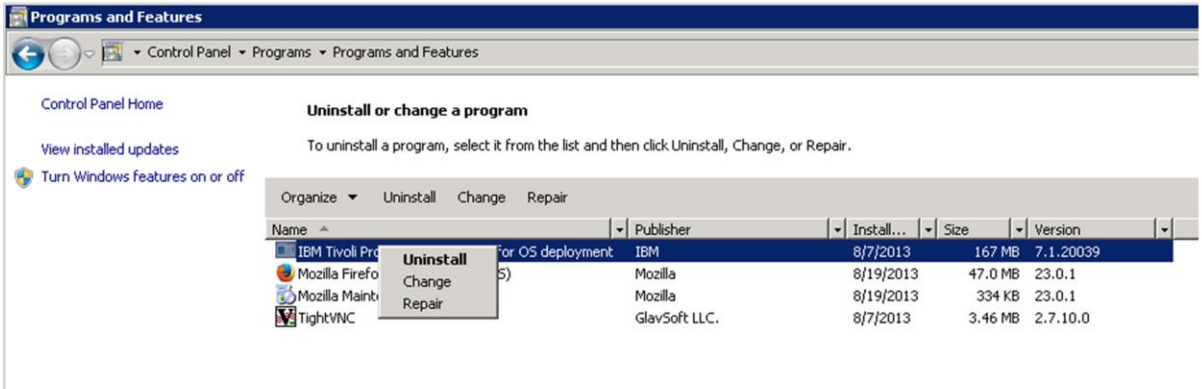
Click **IBM Tivoli Provisioning Manager for OS Deployment**. Right-click and select **uninstall** from the menu options. Uninstall performs a partial uninstallation of the product. It leaves your existing configurations, profiles, and database in place. The configurations, profiles, and database are reused during installation of a new fix pack.

Perform partial uninstallation (3 of 3)

Click **Yes** to confirm

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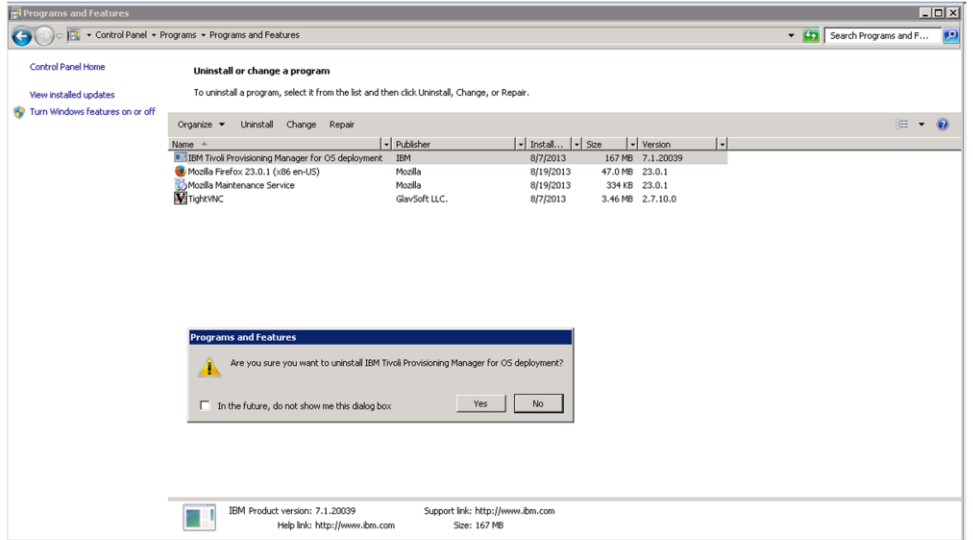
Click the **Yes** button to confirm that you want to perform the partial uninstallation of IBM Tivoli Provisioning Manager for OS Deployment.

how_fix_pack_install.ppt

Windows pre-installation environment (WinPE) deployment engines (1 of 2)

To upgrade the WinPE 3.1 deployment engines during the fix pack installation:

- Perform a download and installation of the Windows Automated Installation Kit (WAIK) for Windows 7 (version 3.0)
- The URL is http://www.microsoft.com/en-us/download/details.aspx?id=5753

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Windows Pre-installation Environment (WinPE) deployment engines are a requirement. 32-bit and 64-bit WinPE deployment engines are created when provisioning Windows operating systems. IBM Tivoli Provisioning Manager for OS Deployment automatically determines which bit size of WinPE deployment engine is needed for a deployment task.

Download Windows Automated Installation Kit (WAIK)

www.microsoft.com/en-us/download/details.aspx?id=5753

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The Windows® Automated Installation Kit (AIK) for Windows® 7

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The Windows® Automated Installation Kit (AIK) for Windows® 7 helps you to install, customize, and deploy the Microsoft Windows® 7 and Windows Server® 2008 R2 family of operating systems.

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⊕ System Requirements

⊕ Install Instructions

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On this slide, you see the Windows Automated Installation Kit (WAIK) for Windows 7 download website. Go to the URL displayed and download the file that is named KB3AIK_EN.iso. Burn the iso image to a DVD. Perform WAIK installation on the IBM Tivoli Provisioning Manager for OS Deployment server.

Windows pre-installation environment (WinPE) deployment engines (2 of 2)

- To create the WinPE 4.0 deployment engines after the Fix Pack installation, download and install the Windows Assessment and Deployment Kit (WADK)
- Windows Assessment and Deployment Kit for Windows 8
    - http://www.microsoft.com/en-us/download/details.aspx?id=30652
    - Only needed for Windows 8 and Windows 2012

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Windows Assessment and Deployment Kit (WADK) for Windows 8 is needed to deploy Windows 8 and Windows 2012.

If you are not deploying these operating systems, you do not need to install WADK and generate the WinPE 4.0 deployment engines.

Download windows assessment and deployment kit

Download and run adk\adksetup.exe

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On this slide, you see the website to download WADK for Windows 8. Download and run the file adk\adksetup.exe to install WADK 1.0.

IBM Tivoli Provisioning Manager for OS Deployment installation (1 of 7)

Locate and double-click the self-extracting executable file

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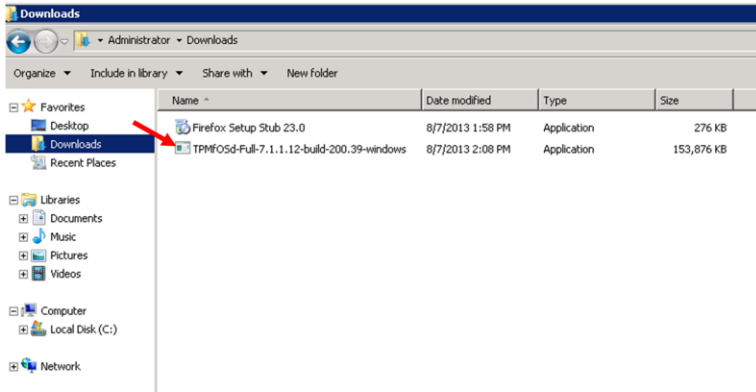
To start the installation of Tivoli Provisioning Manager for OS Deployment, double-click the self-extracting executable downloaded earlier. This action begins the installation wizard.

how_fix_pack_install.ppt

IBM Tivoli Provisioning Manager for OS Deployment installation (2 of 7)

Select your choice of language and click the arrow to continue

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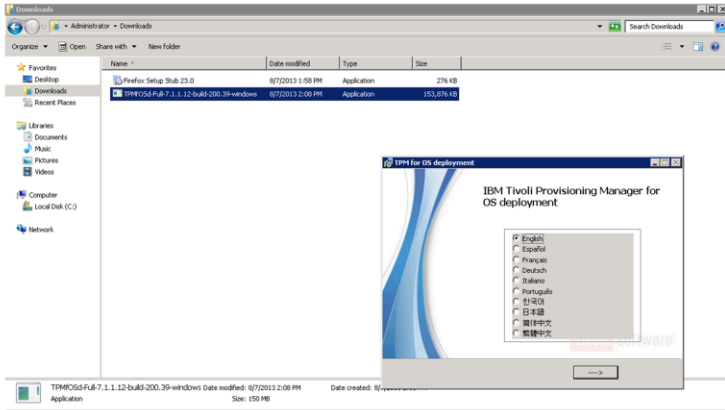
Select the language that you want. The default is English. Click the arrow to continue after you select a language.

IBM Tivoli Provisioning Manager for OS Deployment installation (3 of 7)

- Click **I accept the terms of the License Agreement**
- Click **Next**
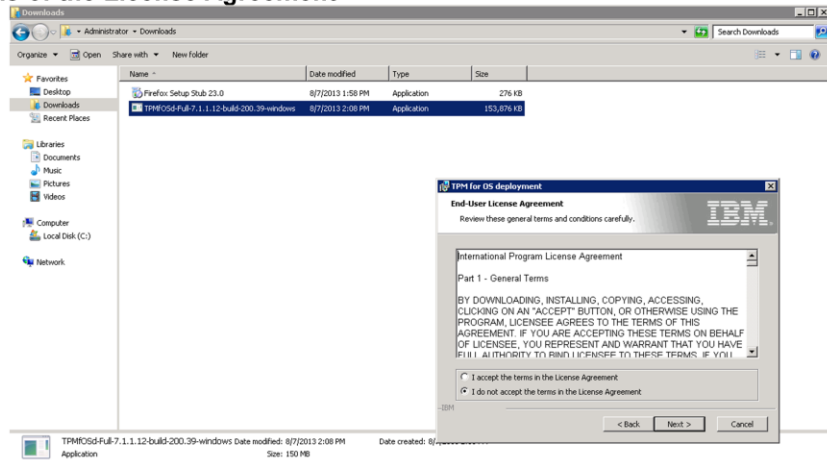
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Click to accept the license agreement terms and click **Next**.

IBM Tivoli Provisioning Manager for OS Deployment installation (4 of 7)

- Enter valid user account access information at the web interface extension screen
- Click **Next**

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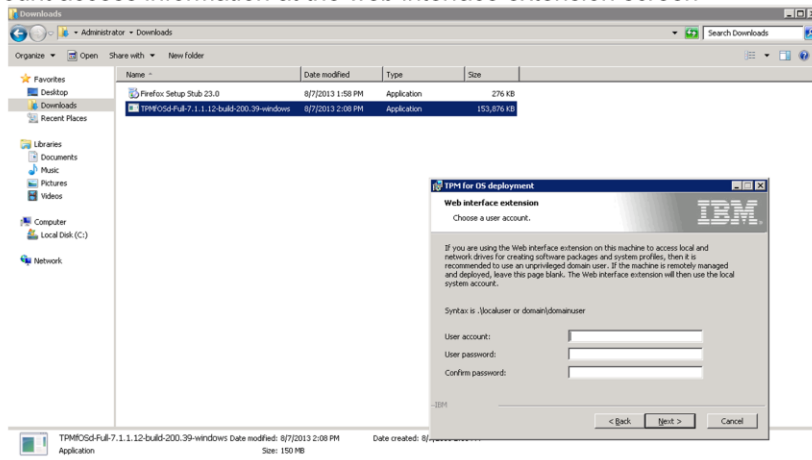
At the web interface extension screen, you enter a valid username and password. Confirm the password and click **Next**.

IBM Tivoli Provisioning Manager for OS Deployment installation (5 of 7)

Click **Install** to begin the installation

TPM for OS deployment

Ready to Install
The Setup wizard is ready to begin the installation

IBM.

Click Install to begin the installation. If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.

IBM

[< Back] [Install] [Cancel]

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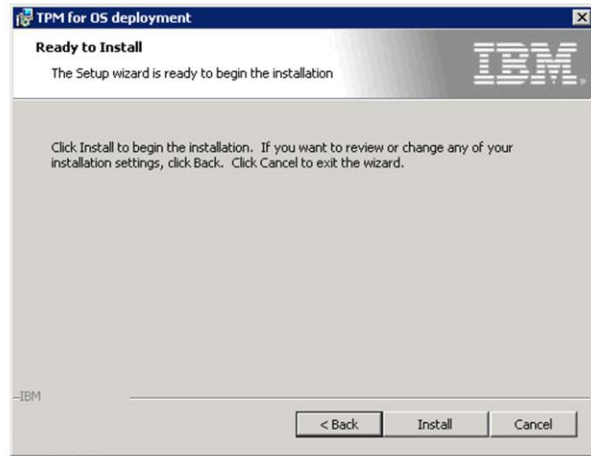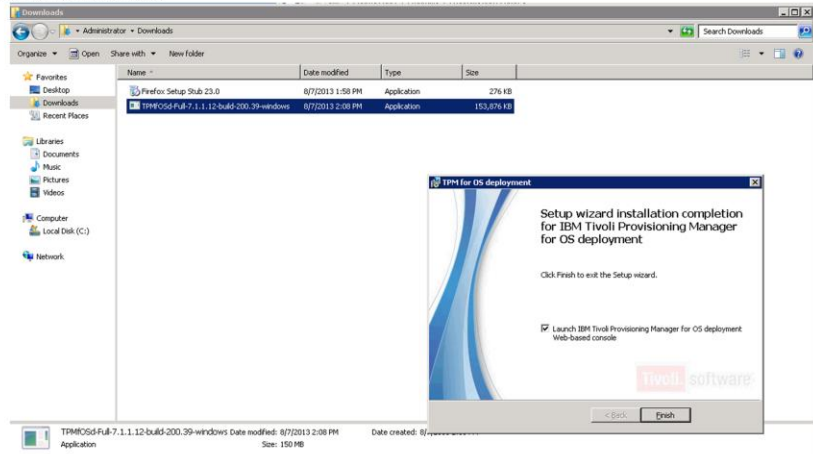
Click **Install** to begin IBM Tivoli Provisioning Manager for OS Deployment installation. The configuration from the previous version is used with the new fix pack installation.

IBM Tivoli Provisioning Manager for OS Deployment installation (6 of 7)

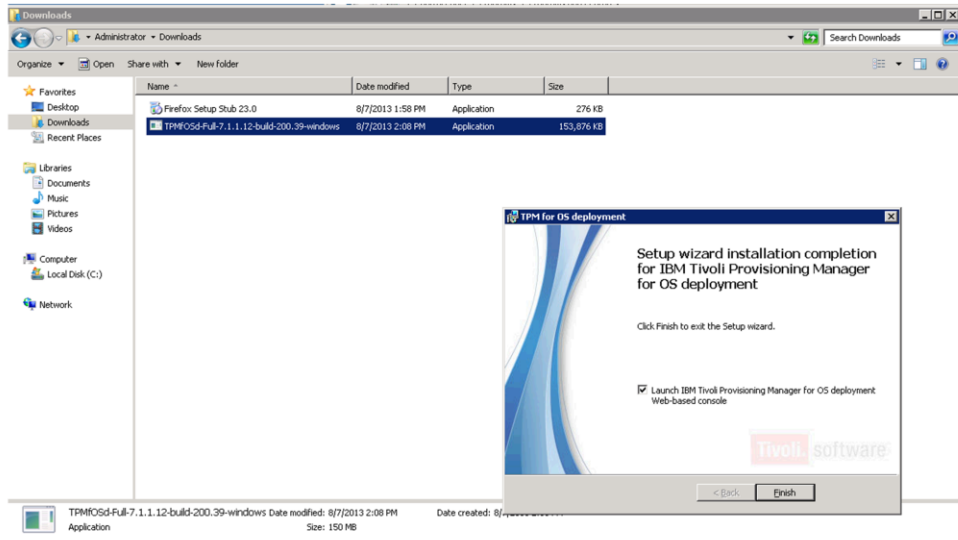Click **Finish** to exit the installation wizard

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After a few minutes, the installation wizard completes. Press **Finish** to start the web-based console.

how_fix_pack_install.ppt

Tivoli Provisioning Manager for OS Deployment Installation (7 of 7)

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After a few minutes, the installation wizard completes. Select **Finish** to start the web-based console.
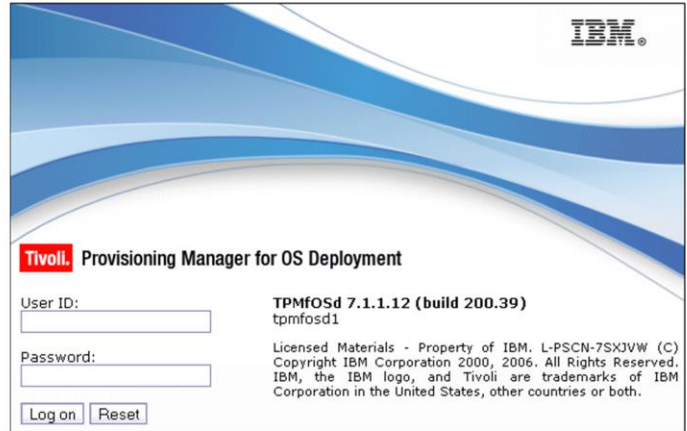
Installation verification (1 of 2)

Log in to verify the fix pack installation

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The Tivoli Provisioning Manager for OS Deployment web base GUI is displayed. The GUI displays the fix pack version that was installed. Log in to verify the installation.

Installation verification (2 of 2)

Green checks in the Error check section inform that the upgrade was successful

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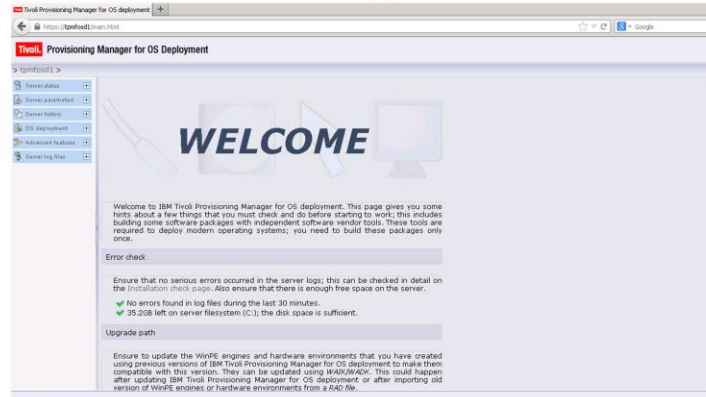
The first screen indicates whether any error occurred during the upgrade process. A green check mark confirms that the installation was successful. Your Tivoli Provisioning Manager for OS Deployment system is now ready for use. If you are going to deploy either Windows 8 or Windows 2012, then you need to create the WinPE 4.0 deployment engine.

Summary

Now that you completed this module, you accomplish these tasks:

- Download a new Tivoli Provisioning Manager for OS Deployment Fix Pack from IBM Fix Central

- Perform a fix pack installation to successfully upgrade your Tivoli Provisioning Manager for OS Deployment server to the new code level

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Now that you completed this module, you can download a new Tivoli Provisioning Manager for OS Deployment Fix Pack from IBM Fix Central and upgrade your Tivoli Provisioning Manager for OS Deployment server to the new code level.

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