

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

	IBM
Assumptions	
This training module assumes that you performed these tasks before you start the module:	
<ul> <li>You successfully made a backup of your Tivoli Provisioning Manager for OS Deployment e before the fix pack installation</li> </ul>	nvironment
<ul> <li>You successfully quiesced your Tivoli Provisioning Manager for OS Deployment server</li> </ul>	
<ul> <li>You successfully backed up both your Tivoli Provisioning Manager for OS Deployment service Tivoli Provisioning Manager for OS Deployment database</li> </ul>	ver and your
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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.

	IBM
Objectives	
After you complete this module, you accomplish these tasks:	
<ul> <li>Download a new IBM Tivoli Provisioning Manager for OS Deployment fix pack from IBM Fix</li> </ul>	Central
<ul> <li>Perform a fix pack installation to successfully upgrade your IBM Tivoli Provisioning Manage Deployment server to a new code level</li> </ul>	r for OS
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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.

	IBM
Fix pack overview	
Know these things about IBM Tivoli Provisioning Manager for OS Deployment fix packs:	
<ul> <li>All IBM Tivoli Provisioning Manager for OS Deployment fix packs are complete product builds</li> </ul>	
<ul> <li>A fix pack is an upgrade to a revision of Tivoli Provisioning Manager for OS Deployment:         <ul> <li>The fix pack is for Tivoli Provisioning Manager for OS Deployment 7.1.1.12, running on Wind</li> <li>You must use a valid IBM user ID and password to download fix packs</li> <li>You download the fix pack code from IBM Fix Central</li> <li>Fix Pack Central URL: <a href="http://www-933.ibm.com/support/fixcentral/">http://www-933.ibm.com/support/fixcentral/</a></li> </ul> </li> </ul>	lows®
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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.

		IBM
Fix Central (1 of 6)		
<ul> <li>Go to the IBM Fix Central portal at http://www-933.ibm.com/support/fixcentral and perform these actions:         <ul> <li>Click the Select product tab and set Product Group to Tivoli</li> <li>Set Select from Tivoli to Tivoli Provisioning Manager for OS Deployment</li> <li>Set Installed Version to 7.1.1.12 and Platform to Windows</li> <li>Click Continue</li> </ul> </li> </ul>	EBM Industries     etti Saperi Finlat     Exa Central     Ineretary uplaad     Supported products     Help     Feedack     + Go to Fix Central mobile	
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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.



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



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.



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.

			IBM
Fix Central	(5 of 6)		
Select one of t	he downloa	ad options (Download Director or HTTP)	
Select the Inc.	udo proroz	uisites check box and press Continue	
	ude preret		
IBM Industries & solutions Se		comicads My EM Starch	
	- IBM Support Portal	Download options	
	Fix Central Inventory upload	Tivoli, tivoli Provisioning Manager for OS bepla them (7.1.1.12, Windows)	
	Supported products	Select download options	
	Enhancements	Select the download method to be used to download fues.	
	Help	Dominaal using Dominaal Uniector     (reguines Java enabled brooser)     (reguines Java enabled brooser)	
	Feedback	Download using your browser (HTTP)	
	→ Go to Fix Central mobile	A 1175Ab Parset service that Fig. Anatosi will show our all the ensemblishes	
		Con Versión, The account du la restructure and motion grant under performance and the	
		Include prerequisites and co-requisite fixes (you can select the ones you need later)	
		Continue Back	
	Connect with us Ke	y topics Information for \$hop & buy About IBM Popular Inks	
		smalfer panel * 0.5406 executivés * Special Colors * Latest news * Clarens Natives * Personal compares * Personal compares * Karls Colors * Fix central	
		ng data * Mindeuze businesis * Ready to busy? * #BM Research. * Passport Advantage.	
		ML Could #Control * Final Fing * Corporate * Product security ML Could #Control * Final Subsets * Find a sales rep responsibility fulletins	
	cotaboration *:	Schloris * Find a Business * Employee detectory * Software	
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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.

			IBM
Fix Central (6 of 6)			
<ul> <li>Verify that you are preparing to</li> </ul>	download the c	orrect fix pack	
Click Download now	Industries & solutions Serv	ices Products Support & downloads My IBM	Search
	← IBM Support Portal	Download files using Download Directo	or
	Inventory upload	Involi, Involi Provisioning manager for 03 Deproyment (1.1.1.12, windows)	
	Supported products	Select files to download using Download Director	Quick order
	Enhancements	Select the fixes you want to download and click the Download now button.	Share this download list
	Help	Order number: 96046679	Download ontions
	Feedback	Total size: 150.29 MB	→ Change download options
	→ Go to Fix Central mobile	1. fix pack: 7.1.1-TIV-TPMOSD-windows-FP0012 (150.29 MB) Apr 15, 3     7.1.1-TIV-TPMOSD-windows-FP0012     # More Information	2013
		Download now Back	
10	How to porform	fiv pock incluision on Windows conver	© 2014 IPM Corporation
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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.

				IBM
Perform parti	al uninstallation (	1 of 3)		
	(	/		
		_		
Start > Control Pa	anel > Programs and I	Features		
Programs and Features				
G 🕞 🕫 🔹 Control Panel 🕶 P	Programs + Programs and Features			<ul> <li>Search Programs and F</li> </ul>
Control Panel Home	Uninstall or change a program			
View installed updates	To uninstall a program, select it from the list and	l then click Uninstall, Change	e, or Repair.	
😵 Turn Windows features on or off	Organize 🔻			8== 👻 😧
	Name A	- Publisher	Version	•
	IBM Tivoli Provisioning Manager for OS deploymer Macilla Sizefau 22:0.1 (v26 ap. US)	it IBM	8/7/2013 167 MB 7.1.20039	
	Mozilla Maintenance Service	Mozilla	8/19/2013 47.0 MB 23.0.1	
	Tight VNC	GlavSoft LLC.	8/7/2013 3.46 MB 2.7.10.0	
				I
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From the Windows 8 operating system desktop, click the **Start** icon. Next, click **Control Panel** and go to **Programs and Features**.

				IBM
Perform partial ur	ninstallation (2 of 3)			
Partial uninstallations le	ave the configuration, profi	le, and database to b	be reused with the ne	ew fix pack
Programs and Features				
G 🗢 🖾 🔹 Control Panel 🔹 F	rograms 🝷 Programs and Features			
Control Panel Home	Uninstall or change a program			
View installed updates	To uninstall a program, select it from the	list and then click Uninstall, Change,	or Repair.	
😵 Turn Windows features on or off	Organize 🔻 Uninstall Change Repa	sir		
	Name *	▼ Publisher	▼ Install   ▼ Size   ▼	Version V
	IBM Tivoli Pro Uninstall for OS dep	ployment IBM	8/7/2013 167 MB	7.1.20039
	Mozilla Hirero Change 5)	Mozilla	8/19/2013 47.0 MB 8/19/2013 334 KB	23.0.1
	Repair Repair	GlavSoft LLC.	8/7/2013 3.46 MB	2.7.10.0
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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.

			IBM
Perform partial u	ininstallatio	n (3 of 3)	
	Programs and Features	Programs + Programs and Features	Search Programs and F
Click Yes to confirm	Control Panel Home View installed updates	Uninstall or change a program To uninstall a program, select it from the list and then click Uninstall, Change, or Repair.	
		Programs and Features         In the future, do not show me this dalog box	
		IBM Product version: 7.1.20039 Support Inic http://www.&m.com Help Inic http://www.bm.com Size: 167 M8	
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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.

	IBM
Windows pre-installation environment (WinPE) deployment engines (1 e	of 2)
To upgrade the WinPE 3.1 deployment engines during the fix pack installation:	
<ul> <li>Perform a download and installation of the Windows Automated Installation Kit (WAIK) for Wind (version 3.0)</li> </ul>	lows 7
The URL is <u>http://www.microsoft.com/en-us/download/details.aspx?id=5753</u>	
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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.

		IBM
Download	I Windows Automated Installation Kit (WAIK)	
<b>* * * *</b>	w.microsoft.com/en-us/download/details.aspx?id=5753	
	Microsoft Download Center	
	The Windows® Automated Installation Kit (AIK) for Stare Stare	
	Select Language:     University     Download     Free PC updates       The Windows® Automated Installation Kit (AIK) for Windows® 7 helps you to install, customize, and deploy the Microsoft Windows® 7 and Windows     Selection particles     Selection particles       Server® 2008 R2 family of operating systems.     @ Run Microsoft Update	
	Details     System Requirements     Distall Instructions     Click in and do more with Surface     Install Instructions	
	⊕ Related Resources     ↓       Belated Resources           Area more and do more in              ⊕ Learn more	
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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.

	IBM
Windows pre-installation environment (WinPE) deployment engines (2	2 of 2)
<ul> <li>To create the WinPE 4.0 deployment engines after the Fix Pack installation, download and in Windows Assessment and Deployment Kit (WADK)</li> </ul>	stall the
<ul> <li>Windows Assessment and Deployment Kit for Windows 8         <ul> <li><u>http://www.microsoft.com/en-us/download/details.aspx?id=30652</u></li> <li>Only needed for Windows 8 and Windows 2012</li> </ul> </li> </ul>	
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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.

		IBM
Download windows assessment an	nd deployment kit	
C B www.microsoft.com/e	n-sç/download/details.aspx?id=30652	☆ ♥ ੴ <mark></mark> 3 - Goo
Download and run adk\adksetup.exe	Microsoft  Download Center  Software Categories Security Support Shop	٩
	Windows Assessment and Deployment Kit (ADK) for Windows® 8	Share 🔊 🕊
	Select Language: English	ates patches e updates
	The Windows® Assessment and Deployment Rit (Windows ADK) is a service p collection of tools that you can use to customize, assess, and deploy Windows operating systems to new computers.	iacks re drivers crosoft Update
	System Requirements	
		re with Surface ets you see more, ore, and do more in rn more
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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.

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IBM Tivoli	Provisioning Man	ager for	OS De	ploym	nent installation (1 of 7)
Locate and do	uble-click the self-extrac	cting execu	utable file		
👔 Downloads					
🌀 🗇 🕨 🔹 Administra	ator 🕶 Downloads				
Organize 🔻 Include in libr	ary ▼ Share with ▼ New folder	[ w.)	1-	(- 1	
⊡ 🖈 Favorites ■ Desktop	Name ^	8/7/2013 1:58 PM	Application	Size 276 KB	
Downloads	TPMFOSd-Full-7.1.1.12-build-200.39-windows	8/7/2013 2:08 PM	Application	153,876 KB	
🖃 🥽 Libraries					
E Pictures     Videos					
🕀 🚢 Local Disk (C:)					
🕀 📬 Network					

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.



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



Click to accept the license agreement terms and click Next.

	IE	M
IBM Tivoli Prov	isioning Manager for OS Deployment installation (4 of 7)	
<ul> <li>Enter valid user ac</li> </ul>	count access information at the web interface extension screen	
• Click <b>Next</b>	Weinstein       Weinstein       Weinstein       Weinstein       Weinstein         Opprise       Weinstein       Weinstein       Weinstein       Weinstein       Weinstein         Provinse       Weinstein       Weinstein       Weinstein       Weinstein       Weinstein       Weinstein         Weinstein       Weinstein       Weinstein       Weinstein       Weinstein       Weinstein       Weinstein       Weinstein         Weinstein       Weinstein       Weinstein       Weinstein       Weinstein       Weinstein       Weinstein       Weinstein         Weinstein <t< th=""><th></th></t<>	
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At the web interface extension screen, you enter a valid username and password. Confirm the password and click **Next**.

		IBM
IBM Tivoli Provisioning Manager	for OS Deployment installation (5 of 7)	
	I I PPM for OS deployment Ready to Install   T T T T T T T T T T T T T T T T T T	
Click Install to begin the installation	The Setup wizard is ready to begin the installation	
	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.	
	_TPM	
	< 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.



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



After a few minutes, the installation wizard completes. Select **Finish** to start the webbased console.



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.



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.

	IBM		
Summary			
Now that you completed this module, you accomplish these tasks:			
<ul> <li>Download a new Tivoli Provisioning Manager for OS Deployment Fix Pack from IBM Fix Central</li> </ul>			
<ul> <li>Perform a fix pack installation to successfully upgrade your Tivoli Provisioning Manager for OS Deployment server to the new code level</li> </ul>			
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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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