Dell Provisioning for VMware Workspace ONE

VMware Workspace ONE UEM 1810

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Contents

Dell Provisioning for VMware Workspace ONE

<div style="text-align:right">**1**</div>

In partnership with Dell Configuration Services, Workspace ONE UEM supports creating provisioning packages to install applications and configurations on your Dell Windows 10 devices before they leave the factory.

Dell Provisioning for VMware Workspace ONE requires On-premises customers to install the Dell Provisioning for VMware Workspace ONE service onto an application server. For more information, see the **VMware Workspace ONE UEM Installation Guide** available on docs.vmware.com.

This Dell Provisioning for VMware Workspace ONE service exports applications from the Workspace ONE UEM console and converts them into .PPKG files. Before you can send the provisioning package to Dell, you must create an unattend.xml file from the VMware Workspace ONE Configuration Tool for Provisioning. The unattend.xml file configures the Windows devices based on your configuration settings. After creating these files, you send both to Dell to provision your devices at the factory.

To use Dell Provisioning for VMware Workspace ONE, you must participate in Dell Configuration Services. For more information, see https://www.dell.com/en-us/work/learn/system-configuration.

Dell Provisioning for VMware Workspace ONE Requirements

Before creating provisioning packages, you must meet the Dell Provisioning for VMware Workspace ONErequirements.

Software Distribution Requirements

Dell Provisioning for VMware Workspace ONE requires enabling Software Distribution, File Storage, and a CDN.

- Enable a content distribution network.
- Enable Software Distribution.
  - SaaS customers must contact VMware for assistance enabling Software Distribution.
- Enable File Storage with sufficient storage space for apps.

Note Any application uploaded before you enable Software Distribution must be uploaded again.

Install the Factory Provisioning Service

2

Before you can use Dell Provisioning for VMware Workspace ONE , you must install the Factory Provisioning Service on your Workspace ONE UEM console server.

This process installs the Factory Provisioning Service onto your Workspace ONE UEM console server. Only On-Premisis customers must install this service. Consider reviewing the VMware Workspace ONE UEM Recommended Architecture Guide before installing the service.

Procedure

1 On your Workspace ONE UEM console server, navigate to https://resources.workspaceone.com/view/cqp8nwklnmwnddgpphjv and download the Factory Provisioning Service.

2 Run the Factory Provisioning Service installer.

3 In the Workspace ONE UEM console, navigate to **Groups & Settings > All Settings > Advanced > Factory Provisioning Service**.

4 Ensure that the correct URL is entered: `http://localhost/FactoryProvision`.

The Factory Provisioning Service is now installed on the Workspace ONE UEM console server.

What to do next

Configure a provisioning package. For more information, see Chapter 4 Create a Dell Provisioning for VMware Workspace ONE Configuration File

Export a Provisioning Package 3

Export a provisioning package containing the applications to use in Dell Provisioning for VMware Workspace ONE.

Prerequisites

Meet the Dell Provisioning for VMware Workspace ONE Requirements. See Dell Provisioning for VMware Workspace ONE Requirements.

Dell Provisioning for VMware Workspace ONE only supports the Win32 apps recognized by Software Distribution.

Procedure

1   Navigate to **Apps & Books > Applications > Native** .

2   Select **Export** and then select **Export PPKG**.

3   Select the applications you want to export as part of the provisioning package.

4   Select **Export**

A windows displays explaining that the Windows Provisioning Package successfully exported. When the export is complete, a notification is sent with a link to download the provisinoning package.

What to do next

You must create a configuration file to pair with the provisioning package. For more information, see Chapter 4 Create a Dell Provisioning for VMware Workspace ONE Configuration File.

Create a Dell Provisioning for VMware Workspace ONE Configuration File

4

After creating a provisioning package for Dell Provisioning for VMware Workspace ONE, you must create the configuration file before sending the files to Dell. This file is the unattend.xml file use in Dell Provisioning for VMware Workspace ONE.

Prerequisites

Before creating the unattend.xml file, you must:

- Meet the Dell Provisioning for VMware Workspace ONE Requirements. See Dell Provisioning for VMware Workspace ONE Requirements.

- Export a provisioning package. For more information, see Chapter 3 Export a Provisioning Package.

- Download the provisioning package from the download link provided after the export.

Procedure

To create a configuration file:

1 Download the VMware Workspace ONE Configuration Tool for Provisioning from https://labs.vmware.com/flings/workspace-one-configuration-tool-for-provisioning.

2 Extract and run the application.

3 Configure the settings:

Settings	Description
Select AD Type	Select the type of Active Directory to use. The settings below change based on your AD type.
Language	Ensure the languiage of the operating system matches what you selected with your OEM.
Show EULA Page	Select **Yes** to show the EULA page during the OOBE.
Show Privacy Page	Select **Yes** to show the privacy page during the OOBE.
Show Region Keyboard Settings	Select **Yes** to show the language and region settings during the OOBE.
Region and Keyboard	Select the region and language for the keyboard.

Settings	Description
Domain Name	Enter the name of the domain you want the device to join.
	This setting displays when you set the AD type to **On-Prem AD Join**.
Domain Username	Enter the username that has Domain Join privileges.
	This setting displays when you set the AD type to **On-Prem AD Join**.
	Note This information is saved in plain text in the XML file. Ensure this file is always secured and not sent over insecure connections.
Domain Password	Enter the password for the Domain Join user.
	This setting displays when you set the AD type to **On-Prem AD Join**.
	Note This information is saved in plain text in the XML file. Ensure this file is always secured and not sent over insecure connections.
AD Organization Unit (OU)	Enter the organization unit for the AD.
	Th OU must follow the correct formatting:
	`OU=,OU=,DC=Company,DC=com`
	This setting displays when you set the AD type to **On-Prem AD Join**.
Workgroup	Enter the workgroup you want the device to join.
	This setting displays when you set the AD type to **Workgroup**.
Registered Owner	Enter the registered owner for the device.
Registered Organization	Enter the registered organization for the device.
Remove Windows 10 Consumer Apps	Select **Yes** to prevent consumer apps from appearing in Windows 10.
	This setting is only supported for Windows 10 Enterprise or Education.You must enter a Windows 10 Enterprise or Education key.
Product Key	Enter the Windows 10 product key.
	You must follow the correct format:
	`12345-54CDE-XYZ78-ONM98-456TY`
Create Local User	Select **Yes** to create a local user account.
	If you select No, the user is prompted during OOBE.
	This setting displays when you set the AD type to **Workgroup** or **Azure AD**.
Local Username	Enter the username for the local user account.
	This setting displays when you set the AD type to **Workgroup** or **Azure AD**.
Local User Password	Enter the password for the local user account.
	This setting displays when you set the AD type to **Workgroup** or **Azure AD**.
Make Administrator?	You must make the local user account an administrator to start Workspace ONE enrollment automatically.
	During OOBE, the device prompts the user to enter their enrollment credentials.
	This setting displays when you set the AD type to **Workgroup** or **Azure AD**.

Settings	Description
Computer Name	The computer name is randomly generated by default so that every system coming from the factory is unique.
	To create a naming convention, use the Registered Owner and Registered Organization settings. The computer name takes the first 7 characters from Registerd Organization or Registered Owner as the prefix and then randomizes the rest of the characters up to the 15 character maximum.
Enable Administrator Account	You must enable an admin account to facilitate Workspace ONE enrollment.
	You can later disable the admin account after enrollment is complete.
Administrator Password	Enter a password for the admin account.
Auto Admin Login	A one-time auto login of the admin account is required for Workspace ONE enrollment.
User Account Control	Select the level of User Account Control.
Additional Synchronous Commands	Add commands that automatically run at the end of the Windows setup process but before any user logs in.
First Logon Commands	Add commands that automatically run the first time a user logs in.
	This setting requires the user have local admin privileges.
Enrollment Server	Enter your Workspace ONE UEM enrollment server URL.
	Find the enrollment URL by navigating in the Workspace ONE UEM console to **Groups & Settings > All Settings > System > Advanced > Site URLS**.
	This setting displays when you set the AD type to **On-Prem AD Join** or **Workgroup**.
Enrollment OG	Enter the devices organization group.
	This setting displays when you set the AD type to **On-Prem AD Join** or **Workgroup**.
Staging Account	Enter the username for the staging account.
	Find this username by navigating in the Workspace ONE UEM console to **Groups & Settings > All Settings > Devices & Users > Windows > Windows Desktop > Staging & Provisioning**.
	This setting displays when you set the AD type to **On-Prem AD Join** or **Workgroup**.
Staging Account Password	Enter the password for the staging account.
	This setting displays when you set the AD type to **On-Prem AD Join** or **Workgroup**.
Device Services URL	Enter your device services URL.
	Find the device services URL by navigating in the Workspace ONE UEM console to **Groups & Settings > All Settings > System > Advanced > Site URLS**.
	This setting only displays when you set the AD type to **Azure AD - No Premium**.

4   Select **Build Config File**.

The unattend.xml file is now created. Send the unattend.xml and the provisioning packages to Dell Configuration Services to provision your Windows 10 devices.