

Dell Provisioning for VMware Workspace ONE

VMware Workspace ONE UEM 1811



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Dell Provisioning for VMware Workspace ONE

1

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 Factory Provisioning service onto an application server.

This Dell Provisioning for VMware Workspace ONE service exports applications from the Workspace ONE UEM console and converts them into .PPKG files. You create this provisioning package in the Workspace ONE UEM console using a wizard. The wizard covers configuring the package, adding apps, and exporting the package.

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>.

This chapter includes the following topics:

- [Dell Provisioning for VMware Workspace ONE Requirements](#)

Dell Provisioning for VMware Workspace ONE Requirements

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

Dell Provisioning for VMware Workspace ONE Requirements by Deployment Type

The following table shows the requirements for Dell Provisioning for VMware Workspace ONE for each type of deployment. Consider these requirements before using Dell Provisioning for VMware Workspace ONE.

Workspace ONE UEM Deployment	Software Distribution	File Storage	CDN
SaaS Shared	Enabled, if licensed	N/A	Enabled and Required
SaaS Dedicated version 9.7 and above	Enabled, if licensed	N/A	Enabled and Required

Workspace ONE UEM Deployment	Software Distribution	File Storage	CDN
On-premises version 9.7	Disabled by default, but required	Required	Disabled by default, but required
On-premises version 1810 and above	Enabled by default	Optional but recommended	Disabled by default and optional

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

Install the Factory Provisioning Service

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Before you can use Dell Provisioning for VMware Workspace ONE , you must install the Factory Provisioning Service in your environment.

Prerequisites

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

Ensure that the servers the Factory Provisioning Service are installed on can reach and connect to your REST API server. The URL for REST API is set under **Groups & Settings > All Settings > System > Advanced > Site URLs > REST API URL**.

Use TLS to ensure that the traffic between the Factory Provisioning Service server and the Workspace ONE UEM console is secured. To use TLS, you must install a certificate for the Factory Provisioning Service server and enable HTTPS.

Procedure

- 1 On the server you want to install the Factory Provisioning Service onto, download the Factory Provisioning Service.

If you are using a version of the Workspace ONE UEM console before 1811, download the installer from <https://resources.workspaceone.com/view/cqp8nwklmwnddgpghjv>. If you are using version 1811 or later, download the installer from <https://resources.workspaceone.com/view/gn7wrl7bbbtwzttgsm3r/en>.

- 2 Run the Factory Provisioning Service installer.
- 3 In the Workspace ONE UEM console, navigate to **Groups & Settings > All Settings > System > Advanced > Site URLs**.
- 4 Ensure that the correct URL is entered: `https://[FPS URL]/FactoryProvision/Package`.

The Factory Provisioning Service is now installed. You can validate the installation by checking the communication between the various components used.

Factory Provisioning Service and the following:

- REST API over HTTPS
- Device Services over HTTPS
- CDN (if configured)

- Network file share access

The Workspace ONE UEM console and the REST API server communicate with the Factory Provisioning Service server over HTTPS.

What to do next

Configure a provisioning package. For more information, see [Chapter 3 Create a Dell Provisioning for VMware Workspace ONE Provisioning Package](#)

Create a Dell Provisioning for VMware Workspace ONE Provisioning Package

3

Create a Dell Provisioning for VMware Workspace ONE provisioning package. This package contains the configuration file and the applications to install on to your Windows 10 devices.

Prerequisites

Meet the Dell Provisioning for VMware Workspace ONE Requirements. See [Dell Provisioning for VMware Workspace ONE Requirements](#).

Procedure

- 1 Navigate to **Devices > Lifecycle > Staging > Windows** and select **New**
- 2 Enter the general settings including the **Provisioning Package Name**, **Description**, and the smart group the package is **Managed By**.
- 3 Select **Next**.
- 4 Configure the **Configurations** settings. The settings that display depend on the **Active Directory Type** selected. Consider the following information when configuring the settings:

Settings	Description
Domain Username	<p>Enter the username that has Domain Join privileges. This setting displays when you set the AD type to On-Prem AD Join.</p> <p>Note This information is saved in plain text in the XML file. Ensure this file is always secured and not sent over insecure connections.</p>
Domain Password	<p>Enter the password for the Domain Join user. This setting displays when you set the AD type to On-Prem AD Join.</p> <p>Note This information is saved in plain text in the XML file. Ensure this file is always secured and not sent over insecure connections.</p>
AD Organization Unit (OU)	<p>Enter the organization unit for the AD.</p> <p>The OU must follow the correct formatting:</p> <div>OU= , OU= , DC=Company , DC=com</div> <p>This setting displays when you set the AD type to On-Prem AD Join.</p>

Settings	Description
Product Key	<p>Enter the Windows 10 product key.</p> <p>You must follow the correct format:</p> <pre>12345-54CDE-XYZ78-ONM98-456TY</pre>
Make Administrator?	<p>You must make the local user account an administrator to start Workspace ONE enrollment automatically.</p> <p>During OOB, the device prompts the user to enter their enrollment credentials.</p> <p>This setting displays when you set the AD type to Workgroup or Azure AD.</p>
Computer Name	<p>The computer name is randomly generated by default so that every system coming from the factory is unique.</p> <p>To create a naming convention, use the Registered Owner and Registered Organization settings. The computer name takes the first 7 characters from Registered Organization or Registered Owner as the prefix and then randomizes the rest of the characters up to the 15 character maximum.</p>
Remove Windows 10 Consumer Apps	<p>Select Yes to prevent consumer apps from appearing in Windows 10.</p> <p>This setting is only supported for Windows 10 Enterprise or Education. You must enter a Windows 10 Enterprise or Education key.</p>
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	<p>Add commands that automatically run the first time a user logs in.</p> <p>This setting requires the user have local admin privileges.</p>
Enrollment Server	<p>Enter your Workspace ONE UEM enrollment server URL.</p> <p>Find the enrollment URL by navigating in the Workspace ONE UEM console to Groups & Settings > All Settings > System > Advanced > Site URLs.</p> <p>This setting displays when you set the AD type to On-Prem AD Join or Workgroup.</p>
Staging Account	<p>Enter the username for the staging account.</p> <p>Find this username by navigating in the Workspace ONE UEM console to Groups & Settings > All Settings > Devices & Users > Windows > Windows Desktop > Staging & Provisioning.</p> <p>This setting displays when you set the AD type to On-Prem AD Join or Workgroup.</p>
Device Services URL	<p>Enter your device services URL.</p> <p>Find the device services URL by navigating in the Workspace ONE UEM console to Groups & Settings > All Settings > System > Advanced > Site URLs.</p> <p>This setting only displays when you set the AD type to Azure AD - No Premium.</p>

- 5 Select **Next**.
- 6 Select the apps to include in the provisioning package. The apps that display are those apps available to the smart group set during the General settings step.

Only Win32 apps recognized through Software Distribution display.
- 7 Select **Next**.
- 8 Review the summary and select **Save and Export**.

The provisioning package is exported. Send the package to Dell Configuration Services to provision your Windows 10 devices.

If you want to change any settings in a provisioning package after creating one, you must repeat the process and send the package to Dell Configuration Service again.