Deploy Windows 10 in an enterprise: Windows AutoPilot

What IT professionals need to know to successfully deploy Windows 10 in their enterprise environments.

This topic is 2 of 6 in a series











Windows AutoPilot is a collection of solutions that enables you to set up and pre-configure new and existing Windows 10 devices. Users in your environment will go through a new operating system out-of-the-box experience(OOBE), without needing a Windows image.

Windows AutoPilot scenarios

Cloud-Driven:

Use the Windows AutoPilot Deployment program to fully configure devices

IT-Driven:

Use the Windows Configuration Designer to automate provisioning with a high degree of control

Teacher-Driven:

Use the Set Up School PCs app as a simpler solution for simpler scenarios

Windows AutoPilot Deployment program

Pre-register devices to be fully configured based on a device profile that includes skipping OOBE steps, MDM autoenrollment, and app installation.

Requirements:

- Devices registered to your organization
- Devices with internet access
- Windows 10, version 1703, or later
- Azure AD Premium P1 or P2
- Microsoft Intune or 3rd party MDM

Register devices to your organization through Microsoft Store for Business or Partner Center

- Create device profiles
- Configure settings for device
- Configure MDM auto-enrollment through Azure AD

Device will be fully configured after going through customized OOBE

Windows Configuration Designer

Create provisioning packages that contain configuration and customization settings. Apply these packages to setup your Windows 10 devices.

Requirements:

- Target devices have Windows 10 installed
- Management station is Windows 7 \ Windows Server 2008 R2 or later

Install WCD through the Store or Windows ADK

- Create provisioning package
- Select and configure desired
- Build the provisioning package

Apply provisioning packages through USB drive or a network location

Set up School PCs

IT administrators and technical teachers can use the Set up School PCs app to quickly and simply set up PCs for students.

Requirements:

- Set up School PCs app
- Connectivity to internet and school network on the administrator's machine
- an Administrator account on Office 365 and Azure Active Directory
- Microsoft Store for Education configured
- USB drive of 1 GB or larger

Install the Set up School PCs through the Store

- Sign-in with your administrator
- Configure initial device settings
- Pick apps to provision
- Save package to USB drive

Apply package through USB drive

Cloud-Driven points of consideration

- Easily scalable
- No on-premises infrastructure required
- Simple configuration and customization
- Most controls available through Microsoft Intune or other MDM solutions

IT-Driven points of consideration

- Highest degree of control on initial provisioning
- Does not require any cloud resources
- Hard to scale without additional infrastructure
- Lowest requirements to get started

Teacher-Driven points of consideration

- Suited for smaller or simpler environments
- Limited scalability due to USB drive reliance
- Simplest configuration experience
- Some education cloud resources are required

For more information on this topic, visit aka.ms/WindowsAutoPilot

