

Windows 10 provisioning - zrychlené zpřístupnění zařízení pro uživatele

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Agenda

- Modern IT Transformation
- Out of Box Provisioning
- Windows AutoPilot
- Setup School PCs

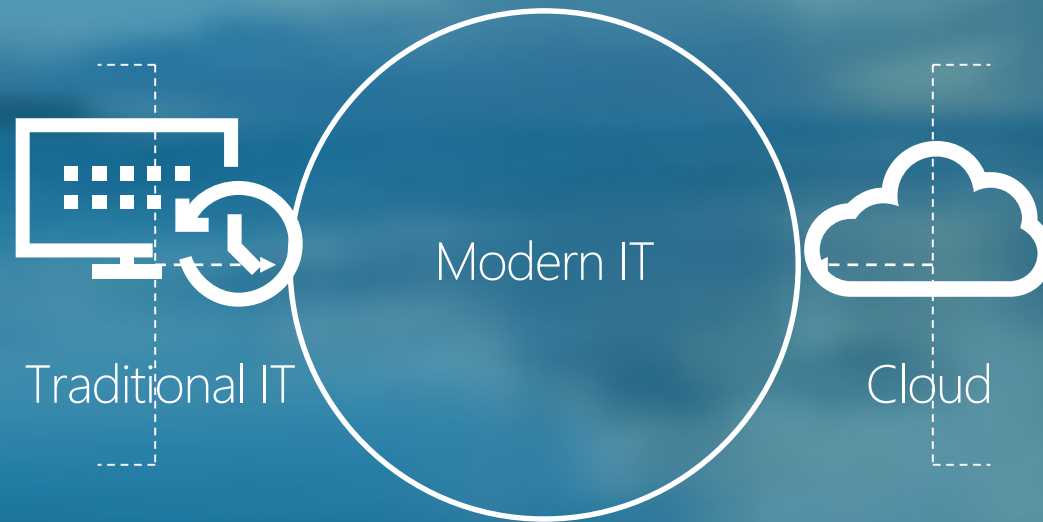
Understanding deployment choices through scenarios

I want to pilot Windows 10 & Office 365 ProPlus in production

Scenarios

I want to scale Windows 10 deployment

I want to retain my apps and settings when I move to Windows 10



Windows 10 designed for modern IT

Deployment Choices

Wipe & Load

Familiar enterprise process for all scenarios

1. Capture Data / Settings
2. Deploy (custom) OS image
3. Inject Drivers
4. Install Apps
5. Restore Data / Settings

Still an option for all scenarios

In-Place Upgrade

Let Windows do the work

1. Preserve data, settings, apps, drivers
2. Install (standard) OS image
3. Restore everything

Recommended for existing Windows 7 / 8 / 8.1 devices

Recommended to upgrade Windows 10 devices to Creators update

Provisioning/AutoPilot

New capability for new devices

Transform into an enterprise device

- Remove bloatware and 3rd party branding
- Add organizational apps
- Add organizational configuration

For Windows 10 CYOD scenarios

Management feature

WICD ???

Out of Box Provisioning

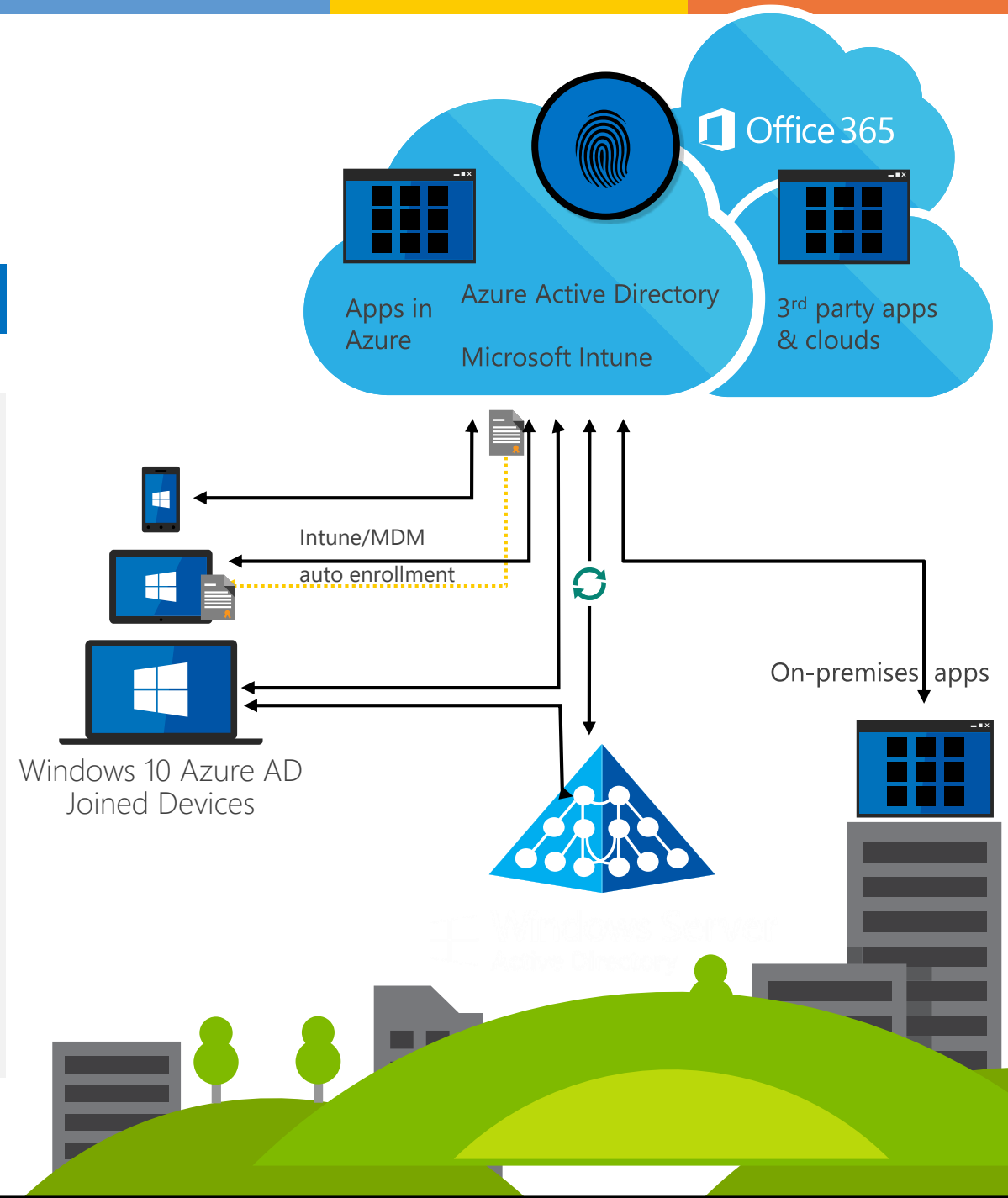
The Goal: Seamless Deployment

- Azure Active Directory Premium
- Office 365 Pro Plus
- Windows AutoPilot
- Intune

Azure AD Join for Windows 10

Benefits

- Azure AD Join makes it possible to connect work-owned Windows 10 devices to your company's Azure Active Directory without need for MSA.
- Self-service setup & sign in with Azure AD account
- Ideal for users who primarily access Office365 & Cloud apps
- Automatic enrollment to Intune MDM
- Single sign-on from the desktop to cloud and on-premises applications with no VPN
- Support for hybrid environments



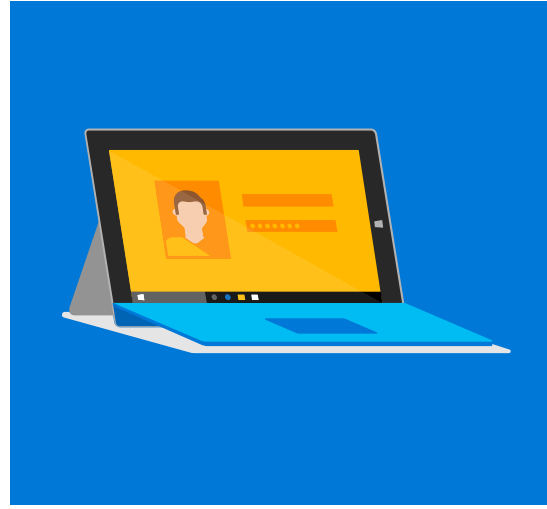
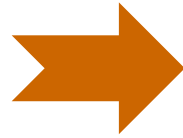
Windows for Work

	Domain Join	Azure AD Join	Add a Work Account
Ownership	Organization	Organization	Personal
Provisioning	Prepared by IT	Self configure in OOBE	Self configure in Settings > >Accounts
Management	Existing management solutions (e.g. SCCM, GP, etc.)	MDM	MDM
Resources	SSO to enterprise resources hosted primarily on-premises and in the cloud	SSO to enterprise resources in the cloud, and to on-premises resources exposed via Proxy	SSO to enterprise resources in the cloud.
Deployment	Traditional work place	Seasonal workers, CYOD	BYOD
Devices	Windows PCs and Tablets	Windows PCs, Tablets, and Windows Phone	Windows PCs, Tablets, and Windows Phone

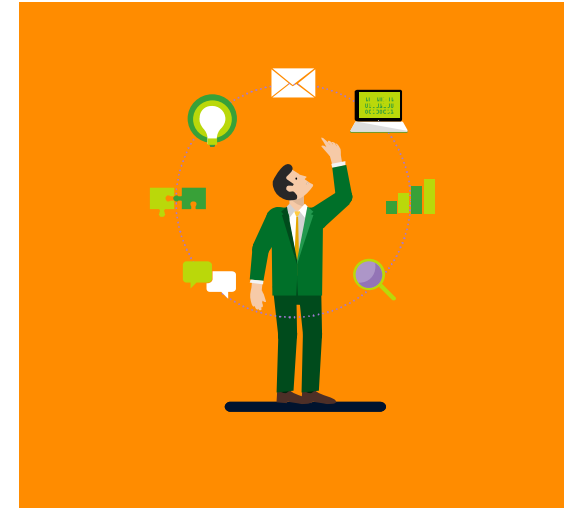
Azure AD Bulk Enrollment



- IT uses WCD tool to create a provisioning package supporting AADJ and MDM enrollment
- IT applies provisioning package during first boot of Windows thru USB



- Windows 10 device is delivered to the employee



- Employee signs into the Windows 10 device with his corporate credentials and the device is ready to use

Windows Modern Deployment: IT-Driven Deployment

Create Provisioning Package



Deploy Provisioning Package

The screenshot shows the Windows Imaging and Configuration Designer (WICD) interface. The title bar reads "Windows Imaging and Configuration Designer". The main window has a "Start page" tab and a "Project 1" tab. On the left, a "Steps" pane shows a progress bar with four steps: "Set up device" (checked), "Set up network" (checked), "Account Management" (active), and "Finish". The main area is titled "Manage Organization/School Accounts" with the subtitle "Improve security and remote management by enrolling devices into Active Directory". There are three radio button options: "Enroll into Active Directory", "Enroll in Azure AD" (selected), and "Local Admin". Below these are input fields for "Friendly name for Bulk Token *", "Bulk Token Expiry *", and "Bulk AAD Token *". A "Get Bulk Token" button is next to the "Bulk AAD Token" field. Under the heading "Optional: Create a local administrator account", there are input fields for "User name" and "Password". At the bottom left, there is a link "Switch to advanced editor". At the bottom right, there are links "Learn more", "Back", and "Next". The footer shows "Version: 10.0.14963.1002", "Project: Simple provisioning", and "Edition: All Windows desktop editions".

New features for RS2:

- Automated Azure AD join
- Enhanced app installation support
- PowerShell cmdlets for installing and removing provisioning packages
- WCD as a Store application
- OEM pre-install removal
- Windows Configuration Designer installation via the Windows Store

Bulk Enrollment Video

Azure Active Directory domain-join in RS2

Windows 10 Edition Upgrade

Edition Upgrade

- Seamless upgrade from PRO -> ENT, PRO -> EDU
- Support for Desktop, Mobile and Holographic SKUs
- Architecture built to secure the keys in our service

Edition Upgrade Policy (Windows 10 Desktop and later)

Edition Upgrade Policy (Windows 10 Holographic and later)

Edition Upgrade Policy (Windows 10 Mobile and later)

Edition Upgrade

Edition to upgrade to:

- Windows 10 Education
- Windows 10 EducationN
- Windows 10 Enterprise
- Windows 10 EnterpriseN

License File:

Browse...

Edition Upgrade

Edition to upgrade to:

License Type:

Product Key:

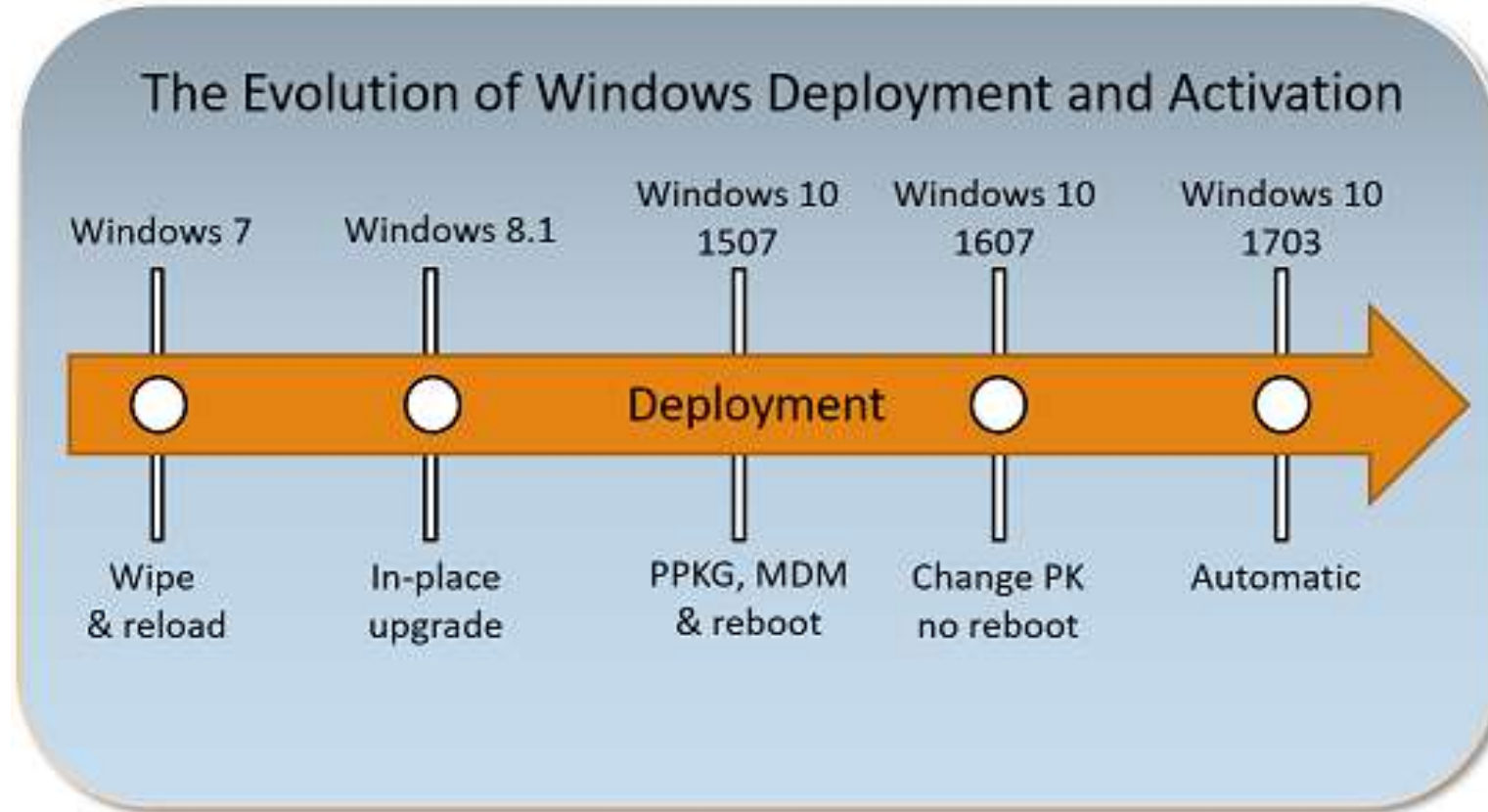
License File:

Browse...

1709 Update - Windows 10 Subscription Activation lets you deploy Windows 10 Enterprise in your organization with no keys and no reboots using a list of subscribed users. When a subscribed user signs in on their Windows 10 Pro device, features that are Enterprise-only are automatically enabled.

Windows 10 Subscription Activation – 1709 Update

Windows 10 1709 Subscription Activation - deploy Windows 10 Enterprise with no keys and no reboots



Windows AutoPilot

**PRIORITY
MAIL**

MEDIUM FLAT RATE BOX
ONE RATE • ANY WEIGHT

- DELIVERY GUARANTEE INCLUDED
- TRACKING™ INCLUDED
- INSURANCE INCLUDED
- POSTAGE AVAILABLE

PRIORITY MAIL
POSTAGE REQUIRED

FROM

Click-N-Ship®

P

PRIORITY MAIL 2-DAY™

9823

C231

NEW YORK, NY 10022-3211

USPS TRACKING #

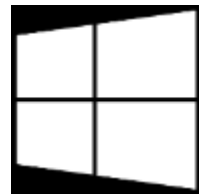


9495 9638 2928 6121 2132 08

Electronic Mail Receipts Recommended

 **UNITED STATES
POSTAL SERVICE**

VISIT US AT USPS.COM
ORDER FREE SUPPLIES ONLINE



Continue in English?

English

Français

Español

中文繁体

中文简体

Next



Let's start with region. Is this right?

United Arab Emirates

United Kingdom

United States

Uruguay

Uzbekistan

Vanuatu

Vatican City

Yes



Listening...



Is this the right keyboard layout?

US

United States-Dvorak for left hand DVORAK L

United States-Dvorak for right hand DVORAK R

United States-International QWERTY

Albanian QWERTZ

Azerbaijani PUSUDB

Azeri Latin QUERTY

Yes



Listening...





Want to add a second keyboard layout?



Add layout

Skip







Listening...





Let's connect you to a network

-  ContosoMNGuestWiFi
Open
 Connect automatically
Connect
-  Contoso Corp
Secured
-  Contoso Corp 2
Secured
-  Network4
Open

Skip for now




Now let's get you connected to a network. That way you get updates, apps and cat videos as soon as possible. How about the first one on the list? Want to use that one?







Let's connect you to a network


 ContosoMNGuestWiFi
Open

Connect automatically

Connect

 Contoso Corp
Secured

 Contoso Corp 2
Secured

 Network4
Open

Skip for now



Now let's get you connected to a network. That way you get updates, apps and cat videos as soon as possible. How about the first one on the list? Want to use that one?





http://captiveportalwi-fi/eula/1234.htm



Welcome to our Guest Wi-Fi

Agree & Connect

By clicking on the connect button you agree to our [Terms of Service](#) and have reviewed the [Contoso Privacy Policy](#).





http://captiveportalwi-fi/eula/1234.htm



Welcome to our Guest Wi-Fi

Agree & Connect

By clicking on the connect button you agree to our [Terms of Service](#) and have reviewed the [Contoso Privacy Policy](#).





Alright, you're connected. Just a moment...





Now we'll check for any updates...





Welcome, Anna!

Enter password for your ContosoMN email account



anna@contosomn.onmicrosoft.com

[Start over with a different account](#)

[Forgot password?](#)

Next



Listening...





Welcome, Anna!

Enter password for your ContosoMN email account



anna@contosomn.onmicrosoft.com

[Start over with a different account](#)

[Forgot password?](#)

Next



Listening...





Setting up your work account...



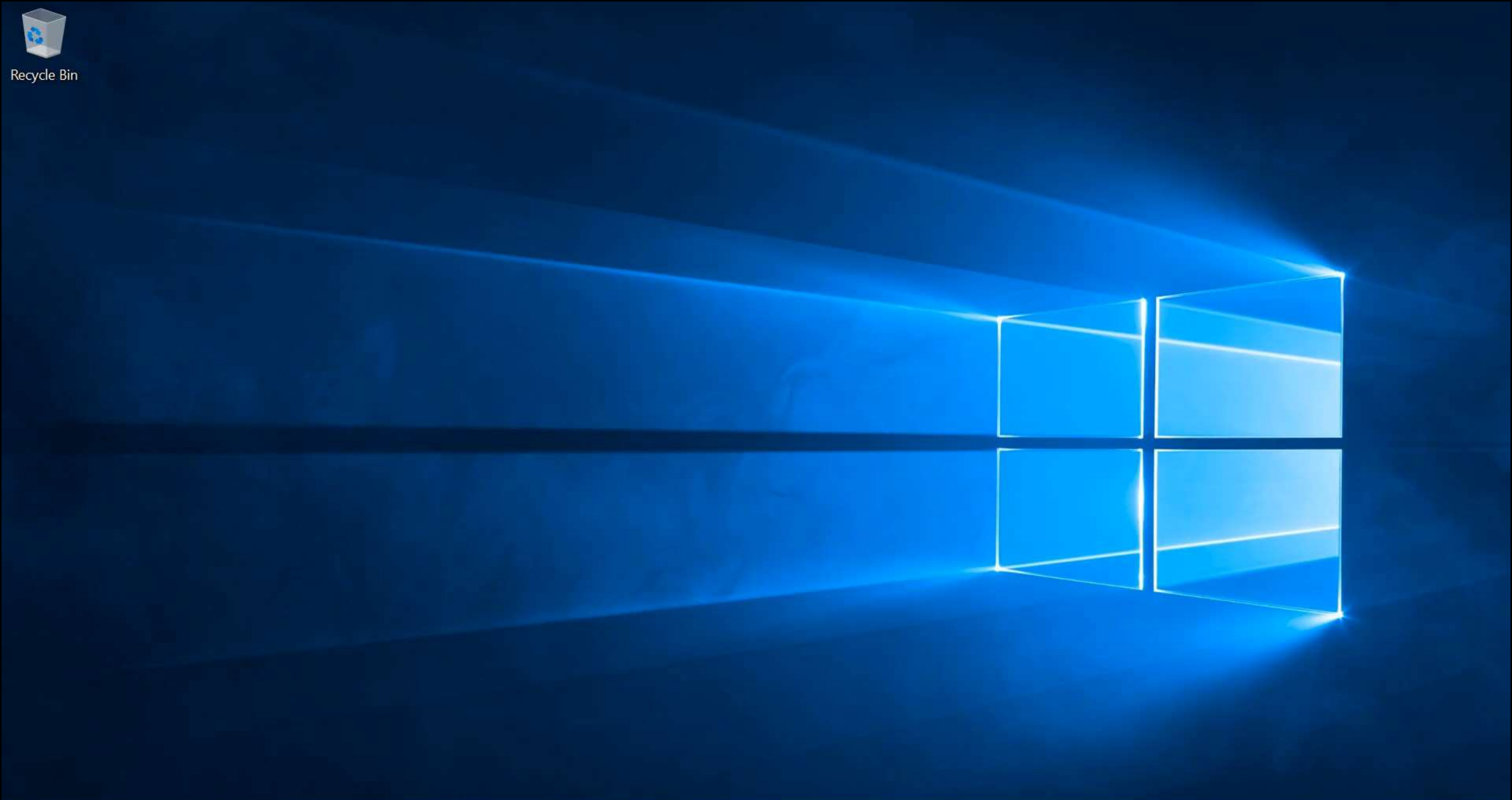
We're getting everything ready for you.

Don't turn off your PC





Recycle Bin



Type here to search





Settings



Windows Settings

Find a setting 



System
Display, notifications,
power



Devices
Bluetooth, printers, mouse



Network & Internet
Wi-Fi, airplane mode, VPN



Personalization
Background, lock screen,
colors



Apps
Uninstall, defaults, optional
features



Accounts
Your accounts, email, sync,
work, other people



Time & language
Speech, region, date



Gaming
Game bar, DVR,
broadcasting, Game Mode



Ease of Access
Narrator, magnifier, high
contrast



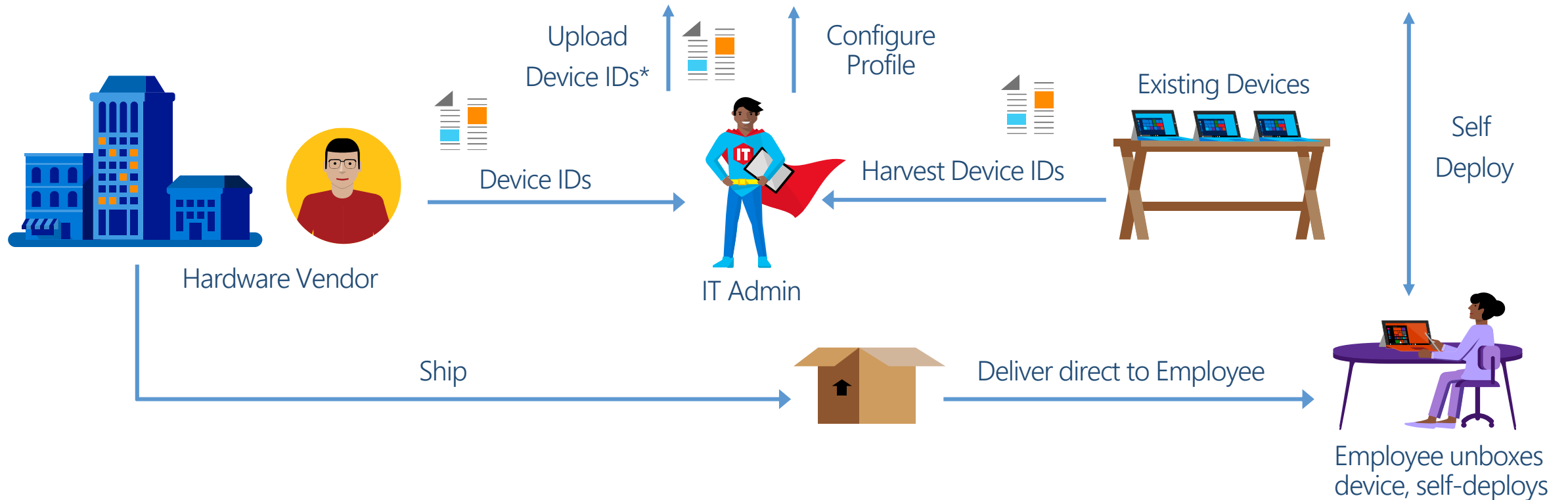
Privacy
Location, camera



Update & security
Windows Update, recovery,
backup

INTRODUCING WINDOWS AUTOPILOT DEPLOYMENT

Windows AutoPilot Deployment Service



*1709 Update - Hardware vendor can deploy configuration profiles. Deployment Profiles can also be applied via the Microsoft Store for Business.

<https://docs.microsoft.com/en-us/microsoft-store/add-profile-to-devices>

Seamless Deployment

vs.

Classic Setup

Basics

Let's start with region. Is this right?

U.S. Minor Outlying Islands

U.S. Virgin Islands

Uganda

Ukraine

United Arab Emirates

United Kingdom

United States

Yes

Basics

Let's start with region. Is this right?

U.S. Minor Outlying Islands

U.S. Virgin Islands

Uganda

Ukraine

United Arab Emirates

United Kingdom

United States

Yes

Windows 10 Autopilot, EMS and Office 365 ProPlus from box to productive user (& NOT a local admin)

Microsoft 365 powered device Windows Automatic Redeployment



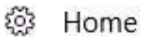
New in 1709
Windows
Automatic
Redeployment

How to AutoPilot Reset existing provisioned device

1. Ctrl+Windows+R
2. Enters AAD username and password

Get existing deployed Windows 10 device reset & business ready

1. AADJ and MDM enroll device
2. Policies, Settings applied - from pre-installed PPKG
3. Apps installed (Win32 included) – from pre-installed PPKG



Home

Find a setting

Accounts

- Your info
- Email & app accounts
- Sign-in options
- Access work or school**
- Other people
- Sync your settings

Access work or school

Get access to resources like email, apps, and the network. Connecting means your work or school might control some things on this device, such as which settings you can change. For specific info about this, ask them.

Connect

Connected to Microsoft's Azure AD
 Connected by waiwo@osmanselfhost.onmicrosoft.com
[Manage your account](#)

[Info](#) [Disconnect](#)

Related settings

- [Add or remove a provisioning package](#)
- [Export your management log files](#)
- [Set up an account for taking tests](#)

Have a question?

[Get help](#)

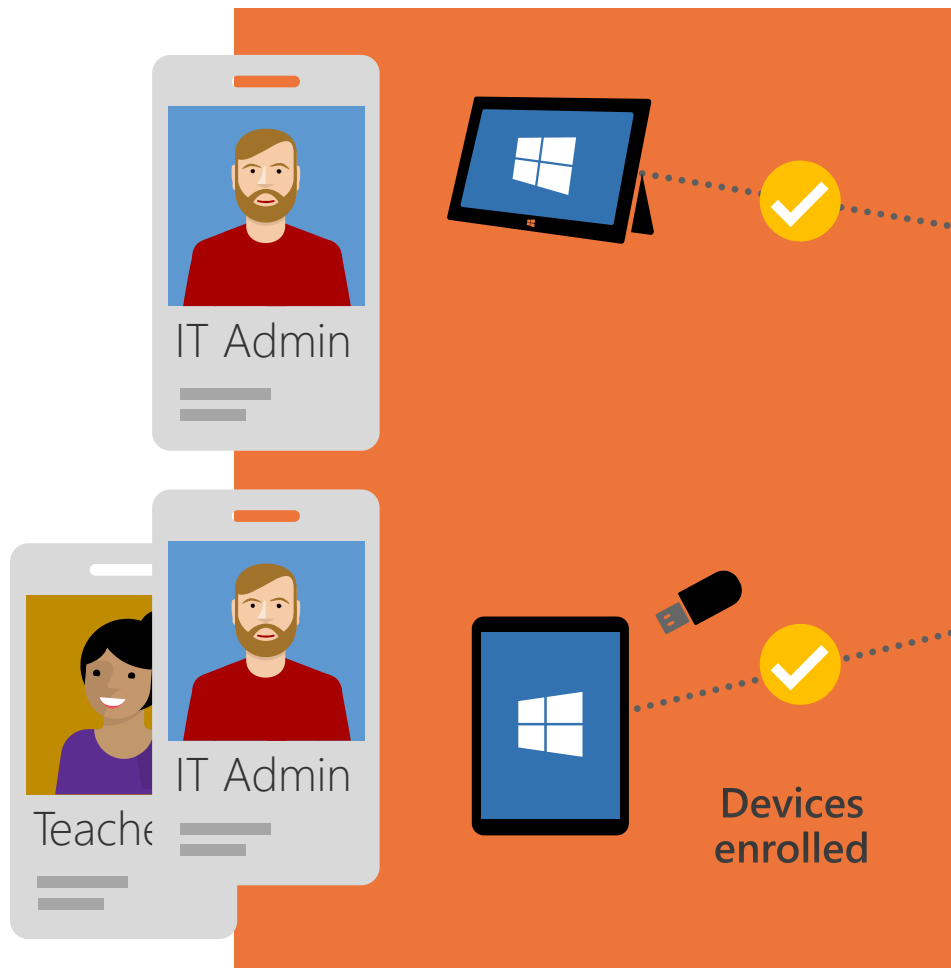
Make Windows better

[Give us feedback](#)

Setup School PCs

Easy Deployment Begins with Windows 10

Windows 10 simplifies deploying devices



MANUAL - IT-based Deployment of Windows 10 devices (Run setup)

- IT department runs Windows setup and joins AAD, auto-enrolling the new device
- Automatically applies device settings
- Automatically installs and configures apps when teacher or student signs in

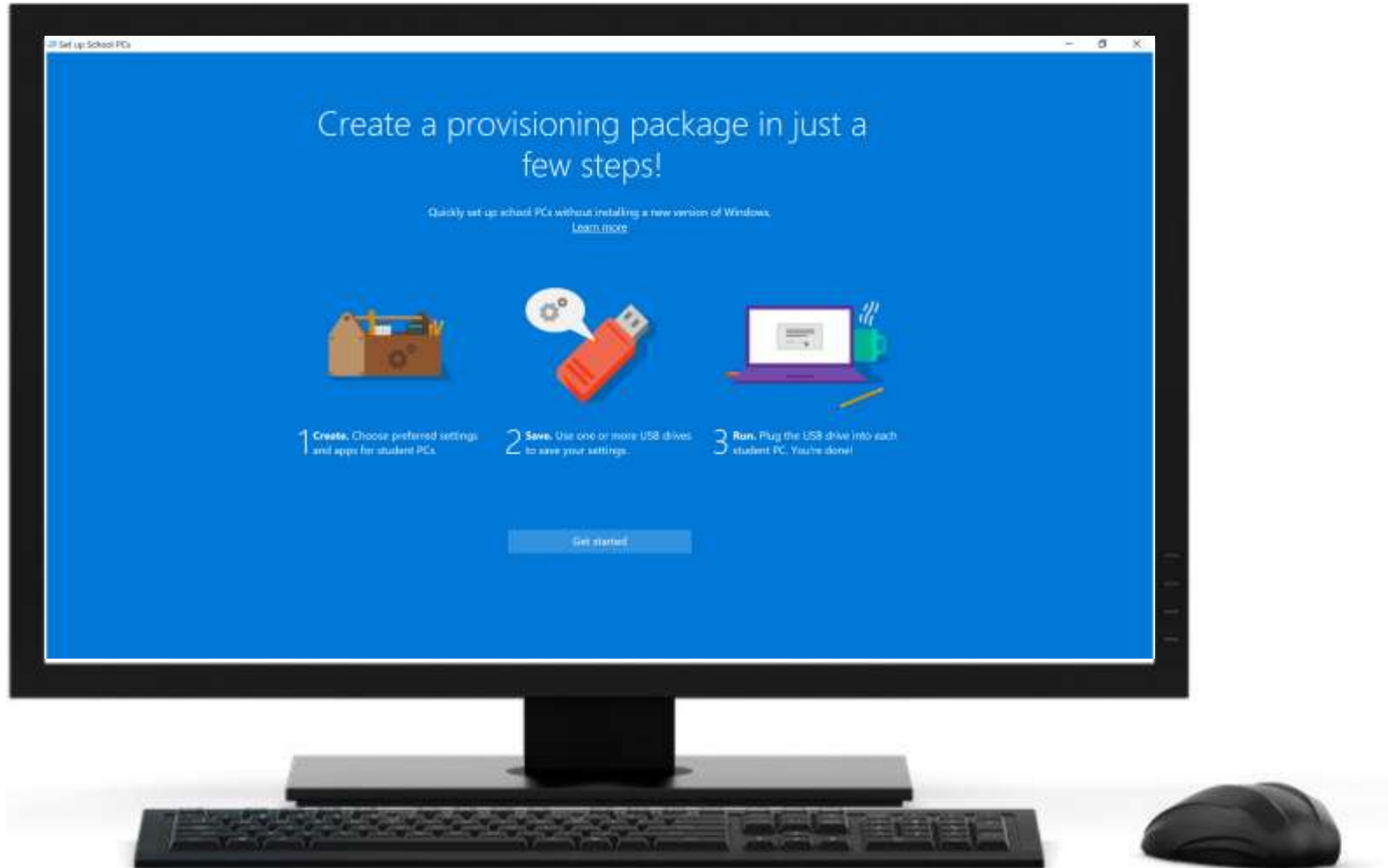
Microsoft Intune

AUTOMATED- Delegated or Light touch Deployment of Windows 10 Devices (USB key)

- IT Admin runs the "Set up School PC's" app
- Create a USB key with setup information
- Use USB key to automatically set up and enroll devices without requiring credentials
- Automatically installs apps and applies settings when teacher or student signs in

Set up School PCs in three fast steps

Windows works just as great for 100 users as it does for 1



As easy as using a USB stick

Sets common settings for shared devices and improves log-in performance

Free app in the Windows Store

Bulk AAD join and Take a Test integration in future update

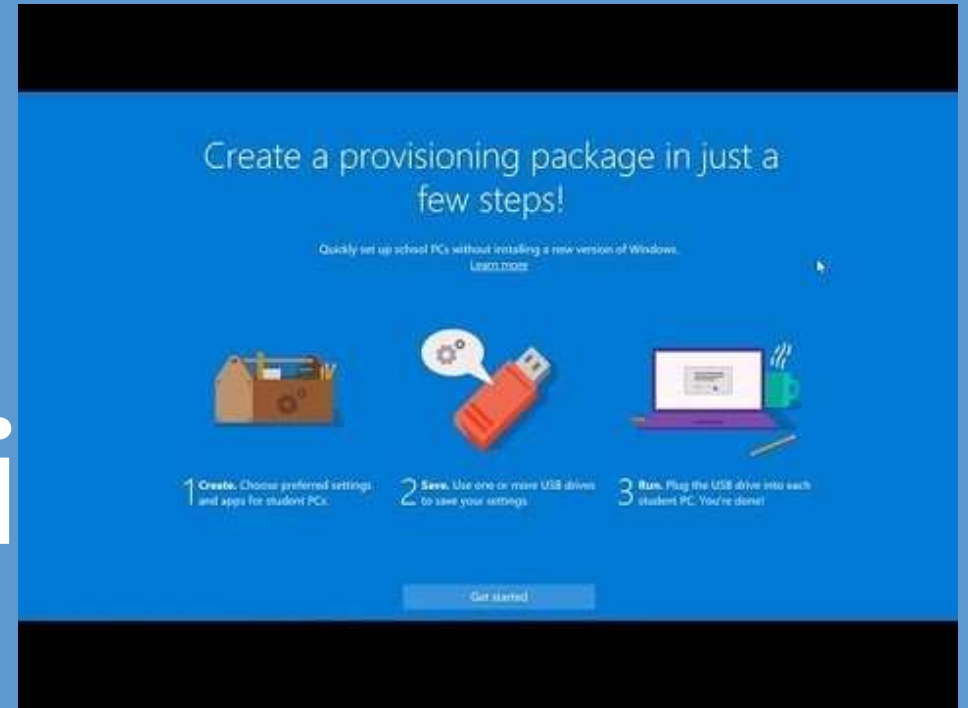
What can I configure?

Feature	No Internet	Azure AD	Office 365	Azure AD Premium
Fast sign-in Each student can sign in and start using the computer in less than a minute, even on their first sign-in.	X	X	X	X
Custom Start experience The apps students need are pinned to Start, and unnecessary apps are removed.	X	X	X	X
Guest account, no sign-in required This option sets up computers for common use. Anyone can use the computer without an account.	X	X	X	X
School policies Settings specific to education create a useful learning environment and the best computer performance.	X	X	X	X
Azure AD Join The computers are joined to your Azure AD or Office 365 subscription for centralized management.		X	X	X
Single sign-on to Office 365 By signing on with student IDs, students have fast access to Office 365 web apps or installed Office apps.			X	X
Take a Test Configure the Take a Test app and use it for taking quizzes and high-stakes assessments by some providers like Smarter Balanced.				X
Settings roaming via Azure AD Student user and application settings data can be synchronized across devices for a personalized experience.				X

Prerequisites

1. Download the latest Set up School PCs app from the Microsoft Store
2. Install the app on your work PC
3. Administrator on Office 365 and Azure Active Directory
4. Have Microsoft Store for Education configured
5. Configure Intune for Education before using the Set up School PCs app
6. USB drive, 1 GB or larger, to save the provisioning package
Recommend an 8 GB or larger USB drive if you're installing Office

Demo: Device provisioning with Set up School PCs app



Set up School PCs resources

- Set up Windows devices for Edu: <https://docs.microsoft.com/en-us/education/windows/set-up-windows-10>
- SuSPCs Tech reference: <https://docs.microsoft.com/en-us/education/windows/set-up-school-pcs-technical>
- Using SuSPCs app: <https://docs.microsoft.com/en-us/education/windows/use-set-up-school-pcs-app>

Dotazy

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