



Windows 10 Autopilot

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Onevinn



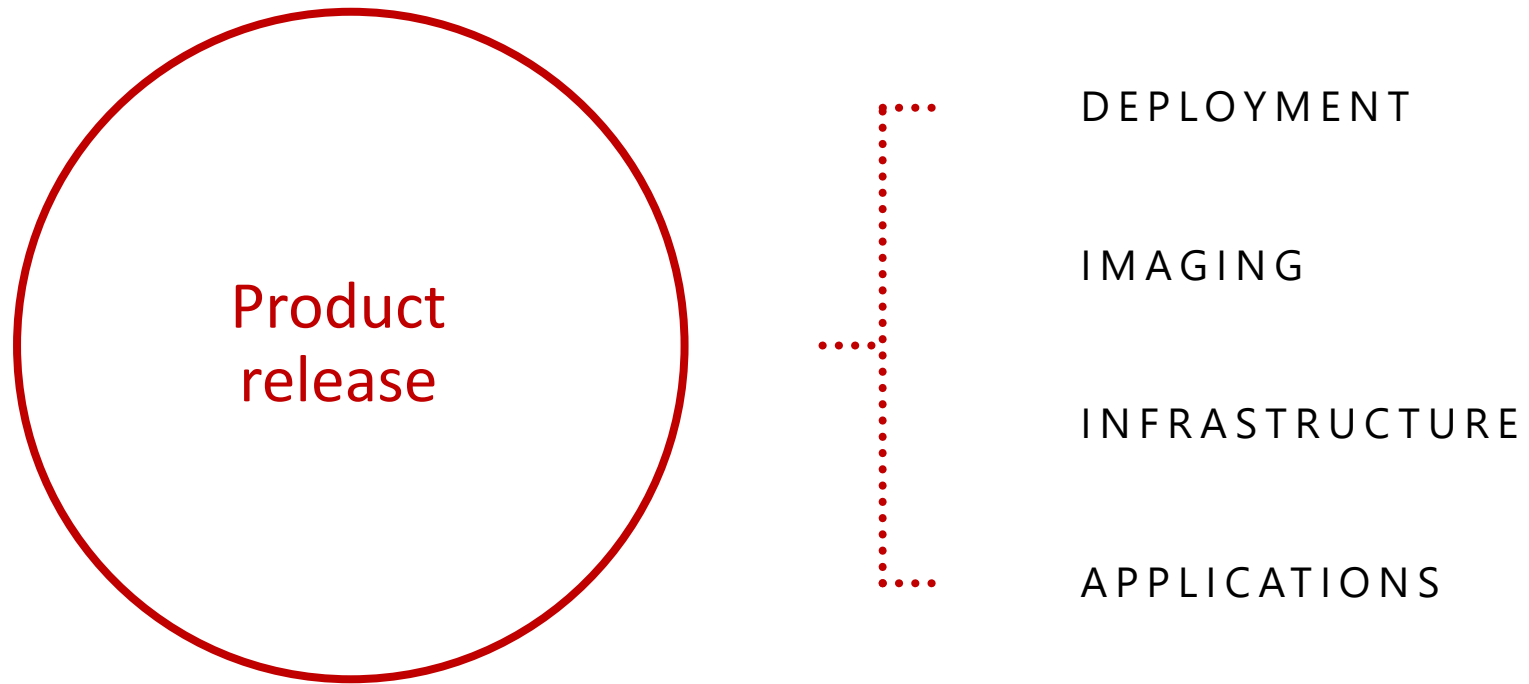
Årets Partner
2018

Modern
Workplace

Simplified



Traditional deployment



Windows as a service



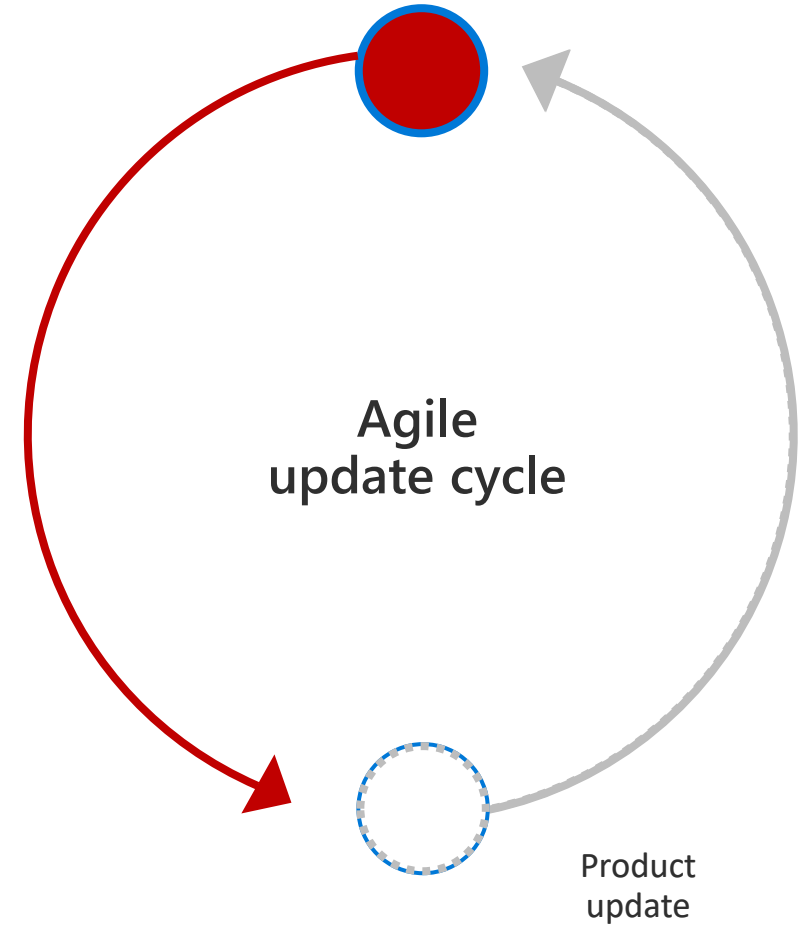
Increased security



Improved productivity

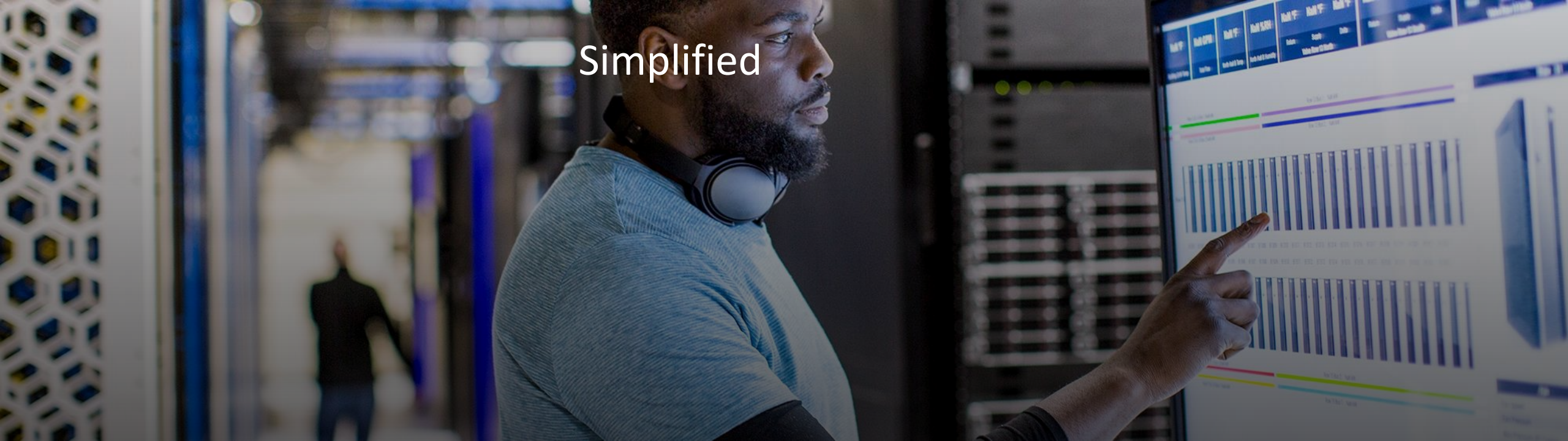


Simplified deployment



2 updates per year

Simplified



Streamline deployment and updates with modern tools



**Application compatibility
IT can trust**

onevinn

Streamline deployment and updates

With modern tools powered by the cloud

Windows as a service

Help ensure users and devices are safe and productive with the latest feature and quality updates

In-place upgrades

Automatically preserve apps, settings, and data

Windows Update for Business

Update devices directly from the cloud to minimize your IT effort

Express updates

Streamline downloads and reduce the load on your network

Delivery optimization

Enable peer-to-peer transfer of updates



Application compatibility you can trust

Upgrade with confidence and ensure devices and apps stay healthy

Windows Analytics

Get project guidance and recommendations for device upgrades and feature updates

Ensure your Windows 10 devices are properly updated and secure

Identify and address issues affecting end users

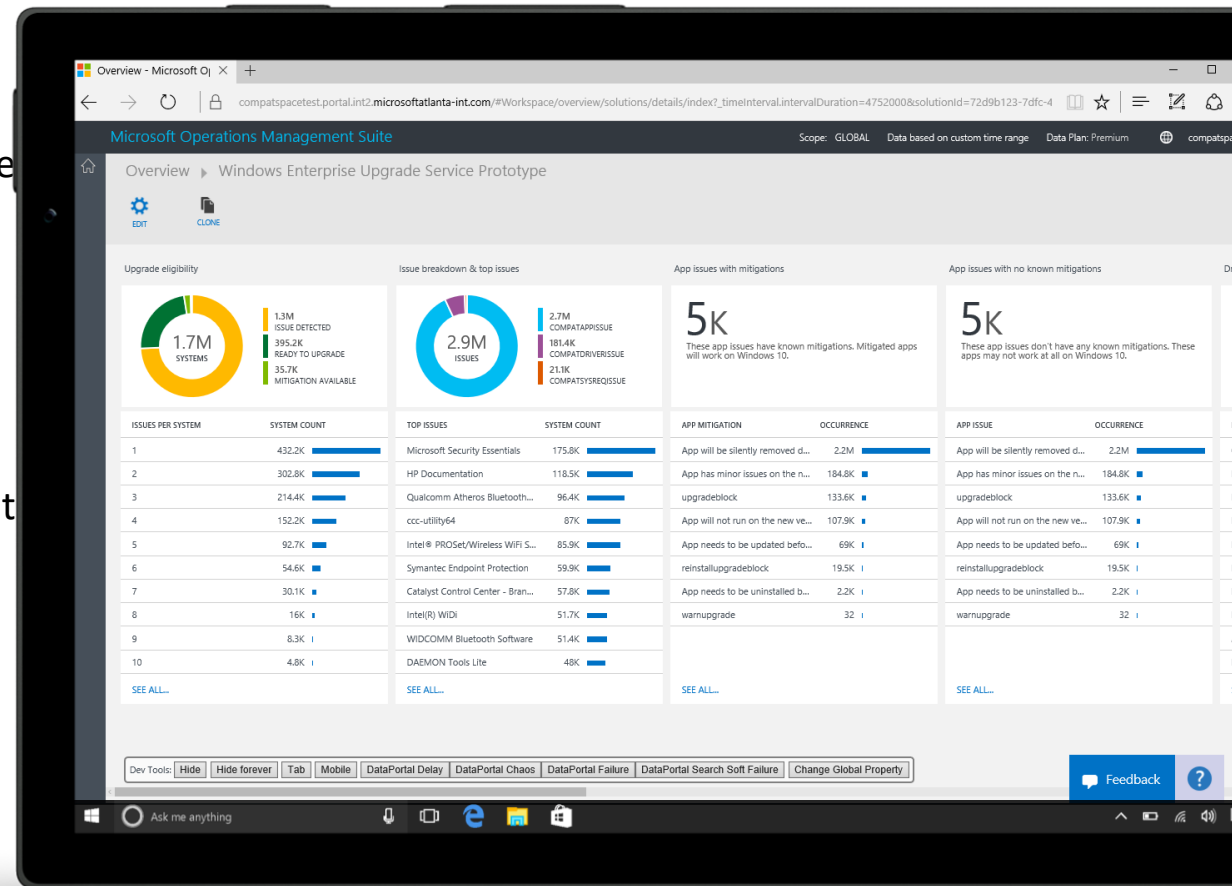
Windows Insider Program for Business

Explore new features, validate apps and prepare your organization for the next version of Windows 10

Ready4Windows.com

View Windows 10 ISV support statements

Get usage information for every app version



Simplified updates



Streamline deployment and updates with modern tools

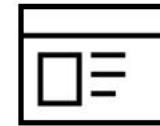
Windows as a service

In-place upgrades

Windows Update for Business

Express updates

Delivery optimization



Application compatibility IT can trust

Windows Analytics

Windows Insider Program for Business

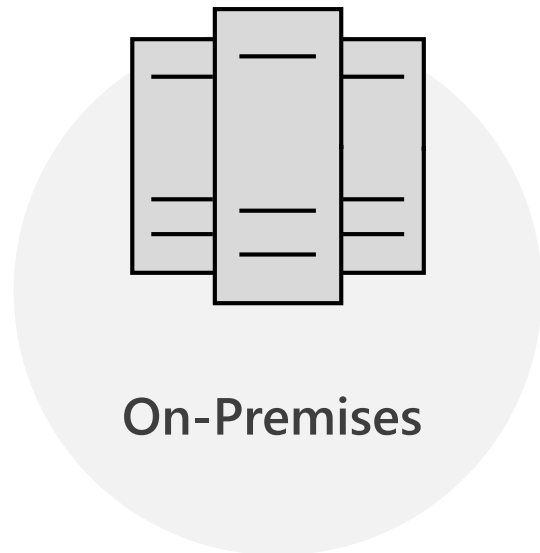
Ready4Windows.com

Flexible management

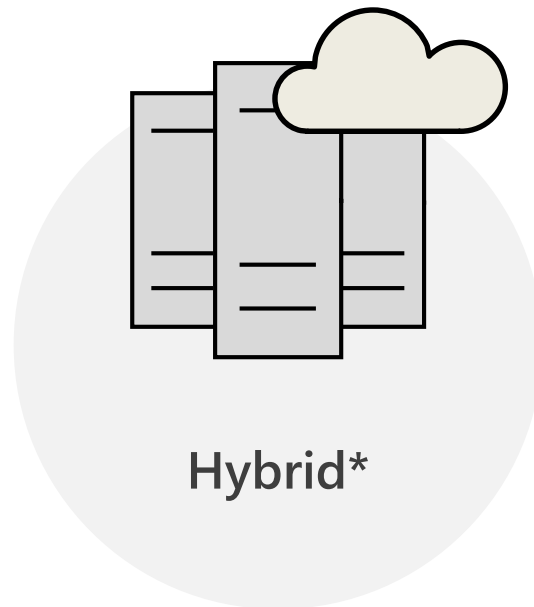


Flexible device management

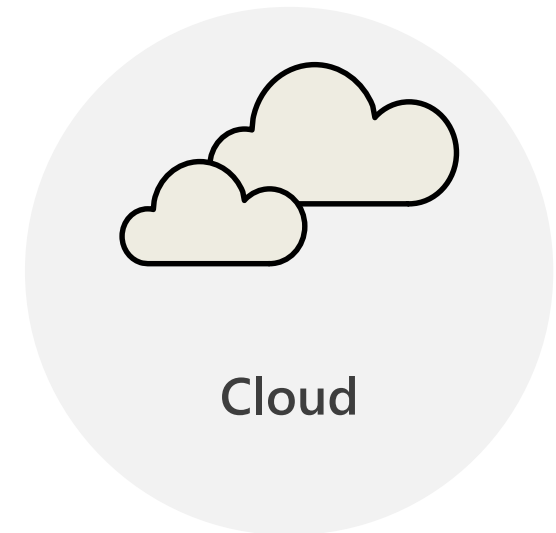
Windows 10 provides the flexibility to leverage the cloud at your own pace



Existing organizations can use traditional methods and tools to manage devices.



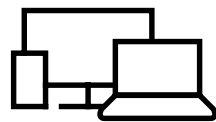
Bridge to move from traditional to modern workloads.



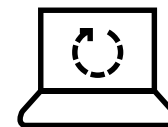
New organizations can use tools that are built with cloud-first in mind.

*Requires Hybrid Azure Active Directory Join

Flexible management



**Deliver enterprise-ready
devices easily**



**Simplify device
management**

Deliver enterprise-ready devices

Windows Autopilot¹

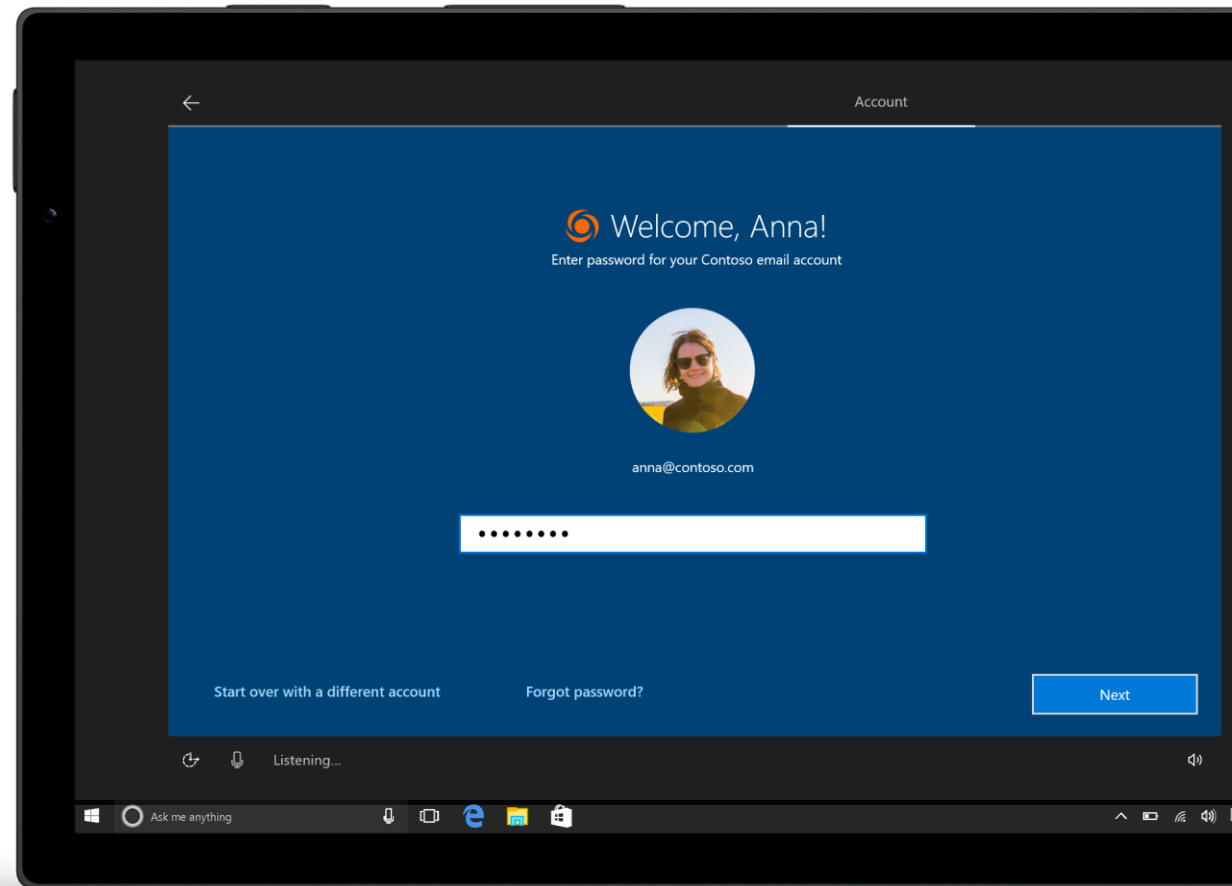
Get new devices up and running fast, without reimaging, all powered by the cloud

Automatically configure settings, security policies and install apps like the Office 365² apps

Windows Subscription Activation

Easily step up from Windows 10 Pro to Windows 10 Enterprise or Windows 10 Education, without rebooting

With a self-service experience, lowering help desk costs

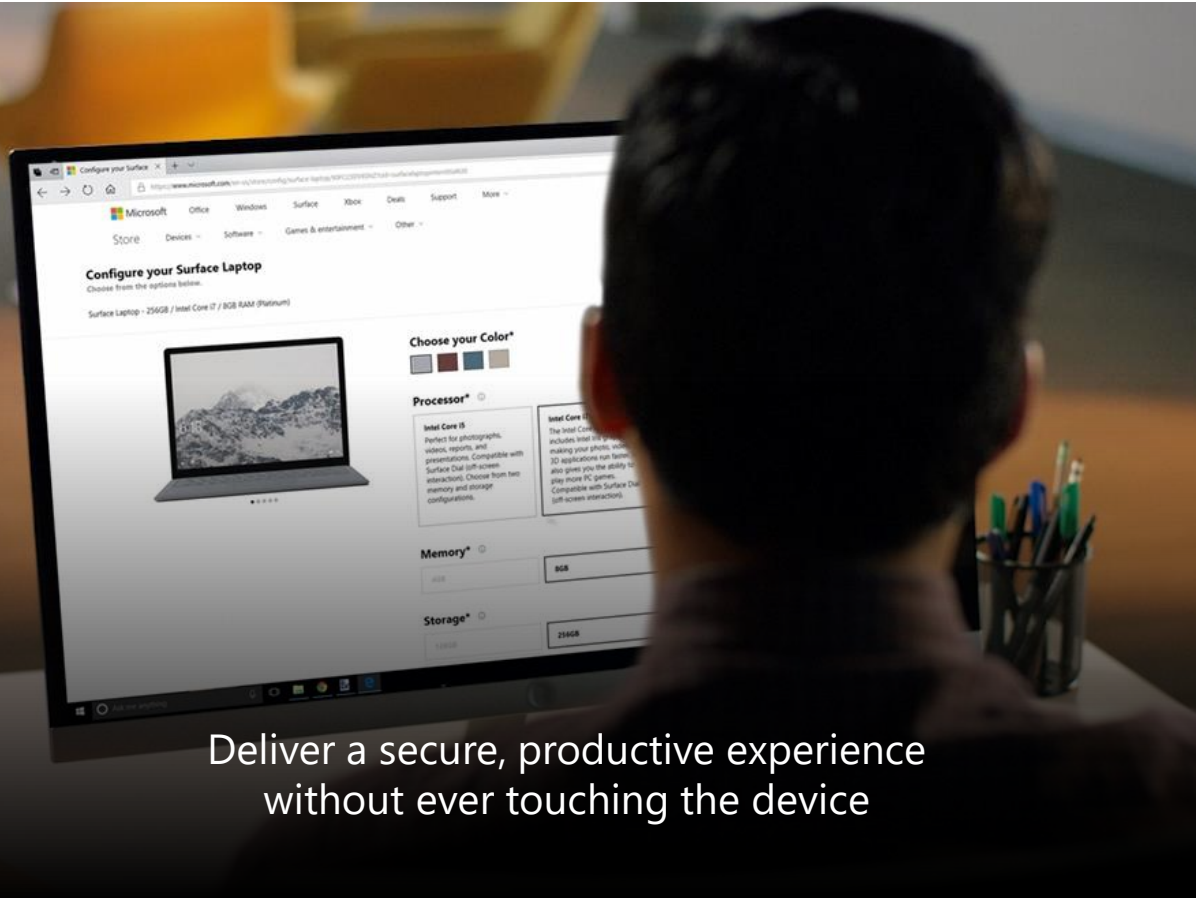


¹ Requires Azure Active Directory and Intune to complete Hybrid Azure Active Directory Join. Sold separately.

² Subscription sold separately.

Transform device deployment with Windows Autopilot

Great for IT and end users



Deliver a secure, productive experience without ever touching the device



Be productive from the start with a personalized out of box experience

Simplify device management

- **Device and app management with the cloud**
- **Mobile Device Management¹**
- Utilize Group Policy and MDM side by side, in order to transition from on-premise to cloud management

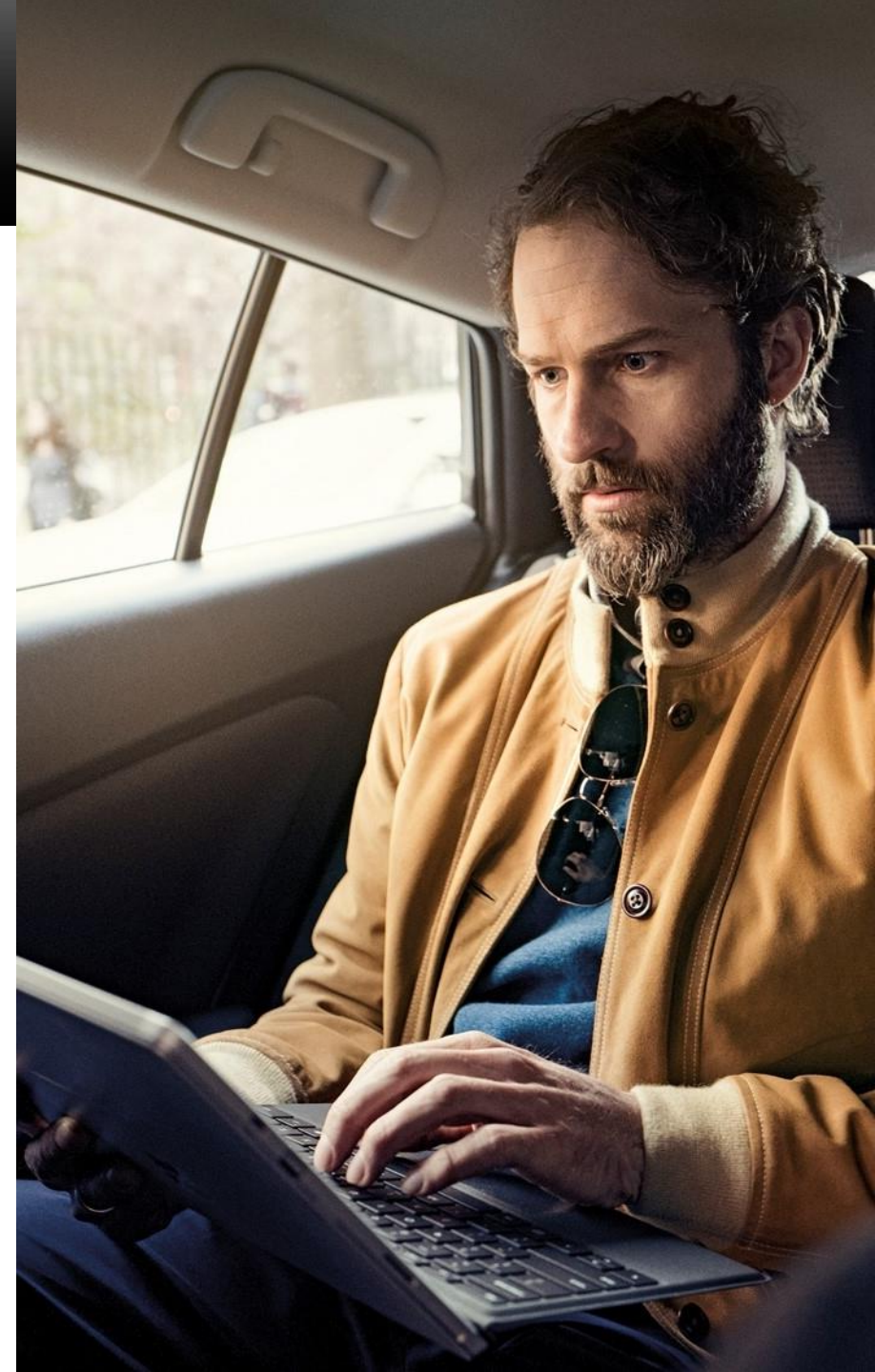
- **Mobile Application Management**
- Manage corporate assets without impacting personal data
- Enforce pin and data protection policies on BYOD devices

- **Windows Shared Devices**
- Quickly setup and maintain custom device scenarios

- **Microsoft Store for Business²**
- Find, acquire, manage, and distribute apps, including custom LOB apps to Windows 10 devices²

¹ MDM requires an MDM product such as Microsoft Intune or other 3rd-party solutions (sold separately).

² Available in select markets. Functionality and apps may vary by market and device.



Flexible management



Deliver enterprise-ready devices easily

Windows Autopilot

Windows Subscription Activation



Simplify device management

Mobile Device Management

Mobile Application Management

Windows Shared Devices

Microsoft Store for Business

Oobe Challenges

- Non-trivial decision making (Personal vs Org Owned disambig, Privacy Settings, OEM Registration) generates Helpdesk calls
- Time for configs and apps to install. Block access, show progress
- OOB account is always Admin – majority of enterprises want standard accounts on corp-owned devices



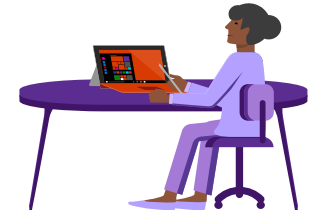
OEM/Reseller

Ship

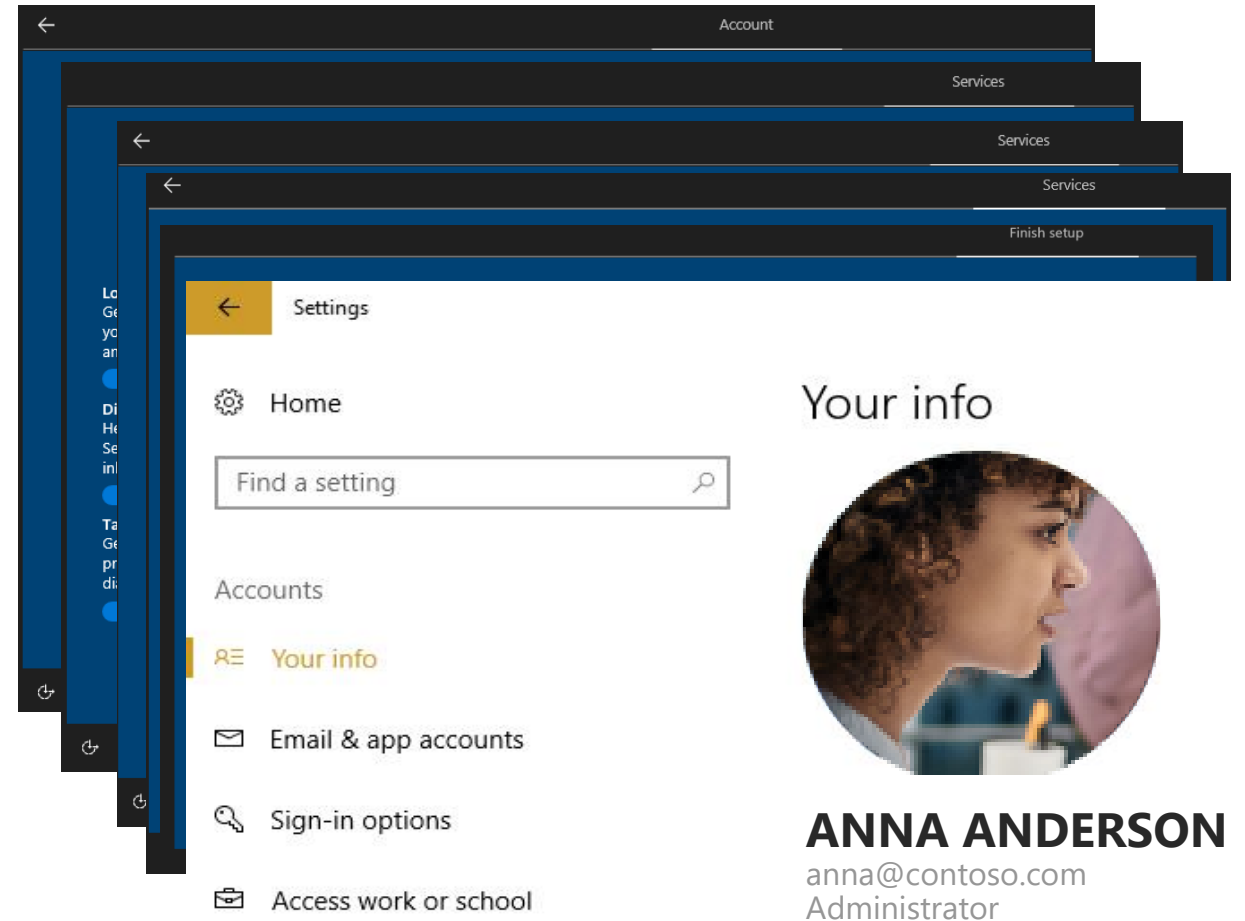


Off-the-shelf and Shrink-wrapped Devices

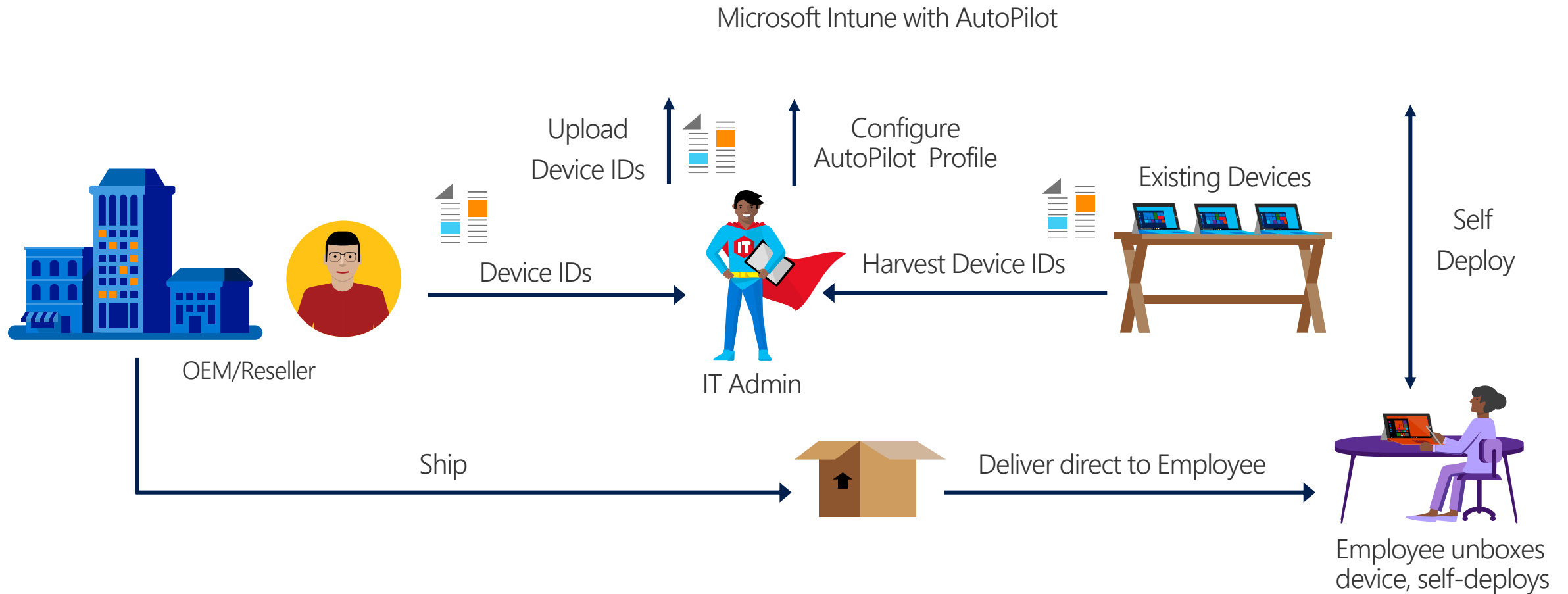
Deliver direct to Employee



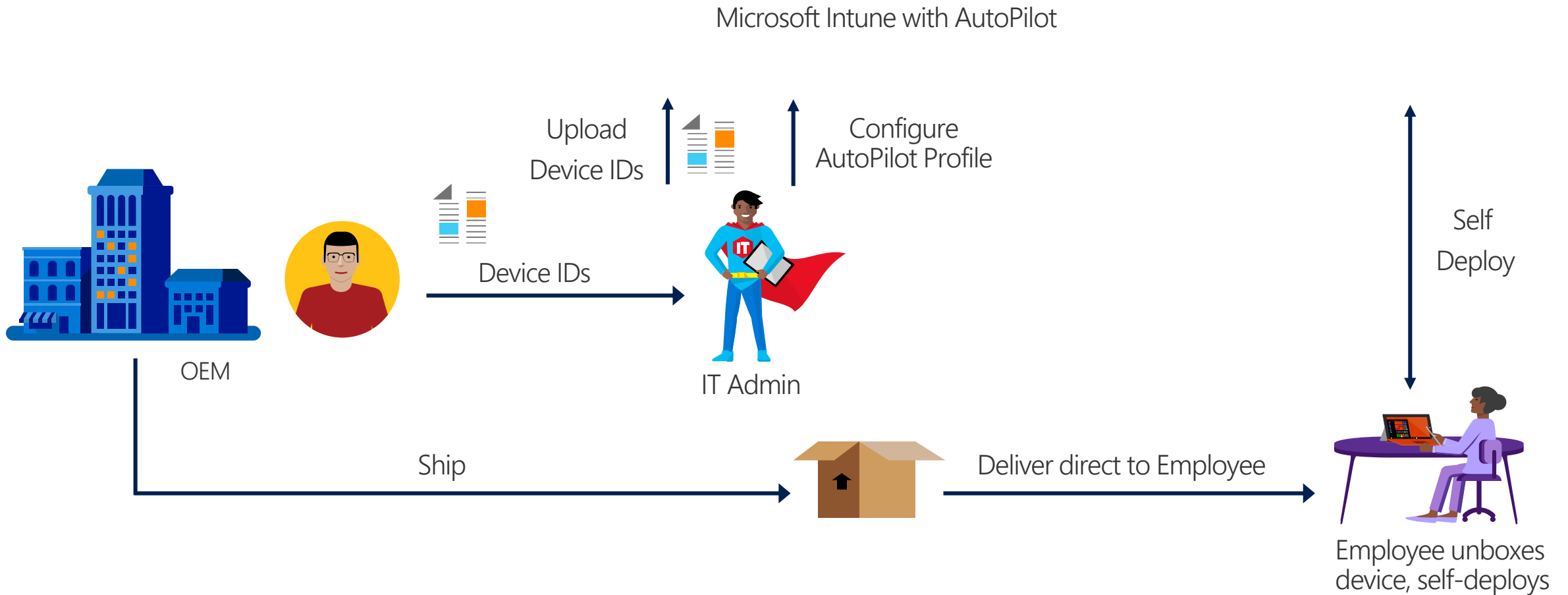
Employee unboxes device, self-deploys



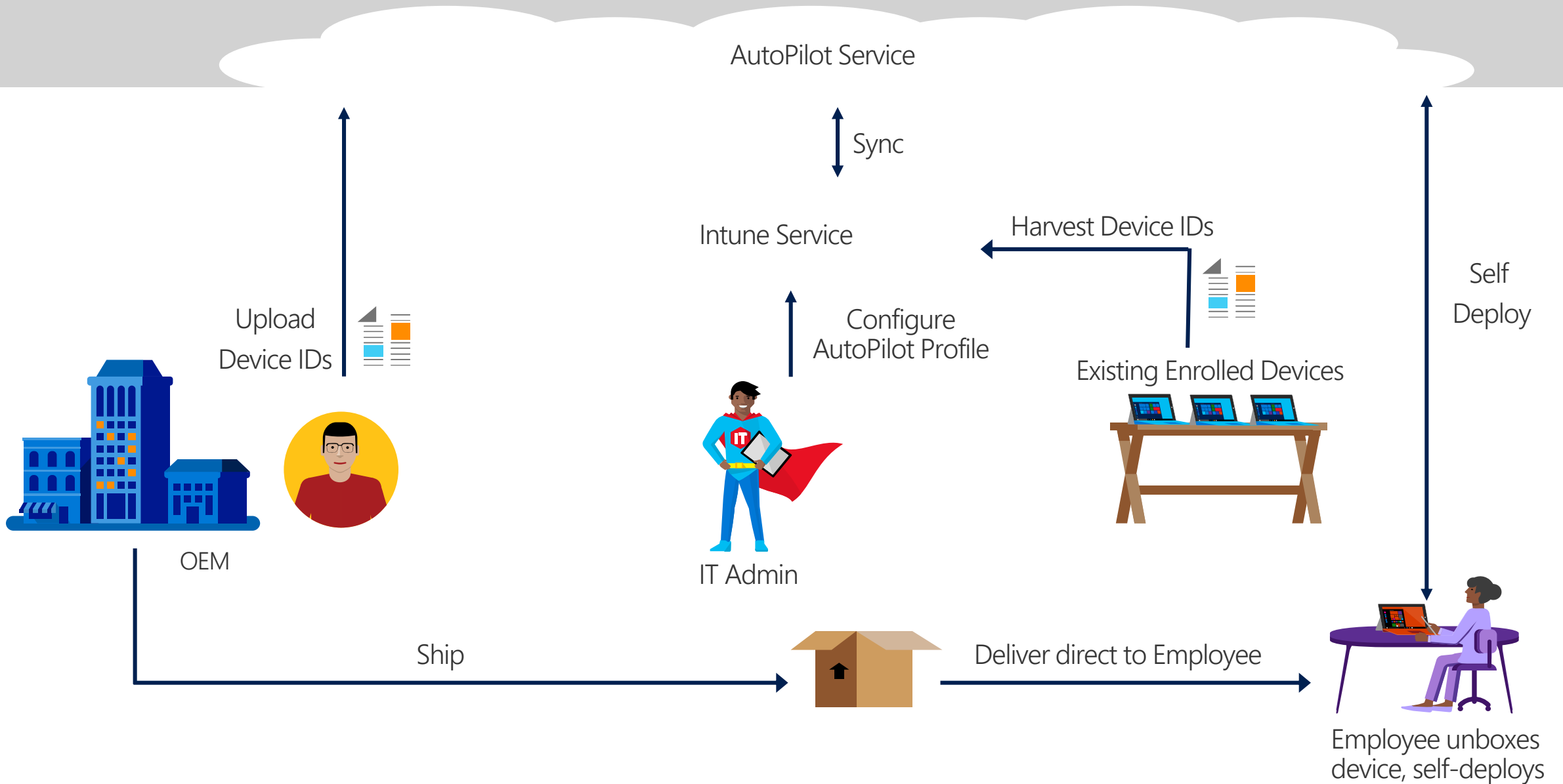
WINDOWS AUTOPILOT



WINDOWS AUTOPILOT



WINDOWS AUTOPILOT



OEM support for Windows Autopilot



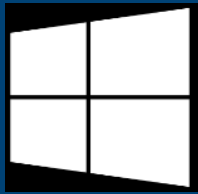
Timelines to support Windows AutoPilot

First half of CY2018:

- Surface (Live now!)
- Lenovo (Live now!)
- Dell (Live now!)

Second half of CY2018:

- HP
- Panasonic
- Fujitsu
- Toshiba



Let's start with region. Is this right?

United Arab Emirates

United Kingdom

United States

Uruguay

Uzbekistan

Vanuatu

Vatican City

Venezuela

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

Belgian (comma) AZERTY

Yes

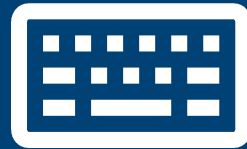


Listening...





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](#).





Welcome to ContosoMN!

Enter your ContosoMN email



Need help?

Please sign in with your ContosoMN email address

[Change account](#)

[Privacy & Cookies](#)

[Terms of Use](#)

Next



Listening...





Welcome to ContosoMN!

Enter your ContosoMN email



anna@contosomn.com

Need help?

Welcome to ContosoMN

[Change account](#)

[Privacy & Cookies](#)

[Terms of Use](#)

Next



Listening...





Welcome to ContosoMN!

Enter your ContosoMN password



Need help?

Welcome to ContosoMN

[Change account](#)

[Privacy & Cookies](#)

[Terms of Use](#)

Next



Listening...



Setting up your device for work

This could take a while and your device may need to reboot.



Device preparation [Show details](#)
Complete



Device setup [Show details](#)
Getting things ready...



Account setup [Show details](#)
Waiting for previous step to finish

Setting up your device for work

This could take a while and your device may need to reboot.



Device preparation [Show details](#)
Complete



Device setup [Show details](#)
Working on it...



Account setup [Show details](#)
Waiting for previous step to finish

Setting up your device for work

This could take a while and your device may need to reboot.



Device preparation [Show details](#)
Complete



Device setup [Show details](#)
Complete



Account setup [Show details](#)
Waiting for previous step to finish

We're getting everything ready for you

Don't turn off your PC

Almost there

Setting up your device for work

This could take a while and your device may need to reboot.



Device preparation [Show details](#)

Complete



Device setup [Show details](#)

Complete



Account setup [Show details](#)

Getting things ready...

Setting up your device for work

This could take a while and your device may need to reboot.



Device preparation [Show details](#)

Complete



Device setup [Show details](#)

Complete



Account setup [Show details](#)

Working on it...

Setting up your device for work

This could take a while and your device may need to reboot.



Device preparation [Show details](#)
Complete



Device setup [Show details](#)
Complete



Account setup [Show details](#)
Complete

We're getting everything ready for you.

Don't turn off your PC

This might take several minutes.

Don't turn off your PC

Förutsättningar

- Azure AD Join, AD Domain join (Preview)
- Importera DeviceID i Store for Business alternativt Intune portalen-Använder man Intune, alltid Intune portalen.
- (PowerShell Script) måste köras i full Windows 10, inte WinPe eller Windows 7 för att extrahera DeviceID (SCCM inventerar DeviceID i Windows 10 från SCCM 1802)
- Azure AD P1 or P2 – krävs för autoenrollment i Intune
- Enheten behöver ha BIOS konfigurerat rätt
- Bitlocker kan antingen hanteras av self-encrypting disks eller med policy
- Datornamn går att styra, exempelvis prefix+serienummer
- Om Wi-Fi används måste språk för väljas samt Wi-Fi

Nyheter

- AAD Group Targeting for Autopilot profiles (Default target)
- Set Auto-redeployment in Intune
- Re-install from Intune console
- Self-driven deployment (Kräver TPM 2.0 (fysisk hårdvara))



Spara Ignorera

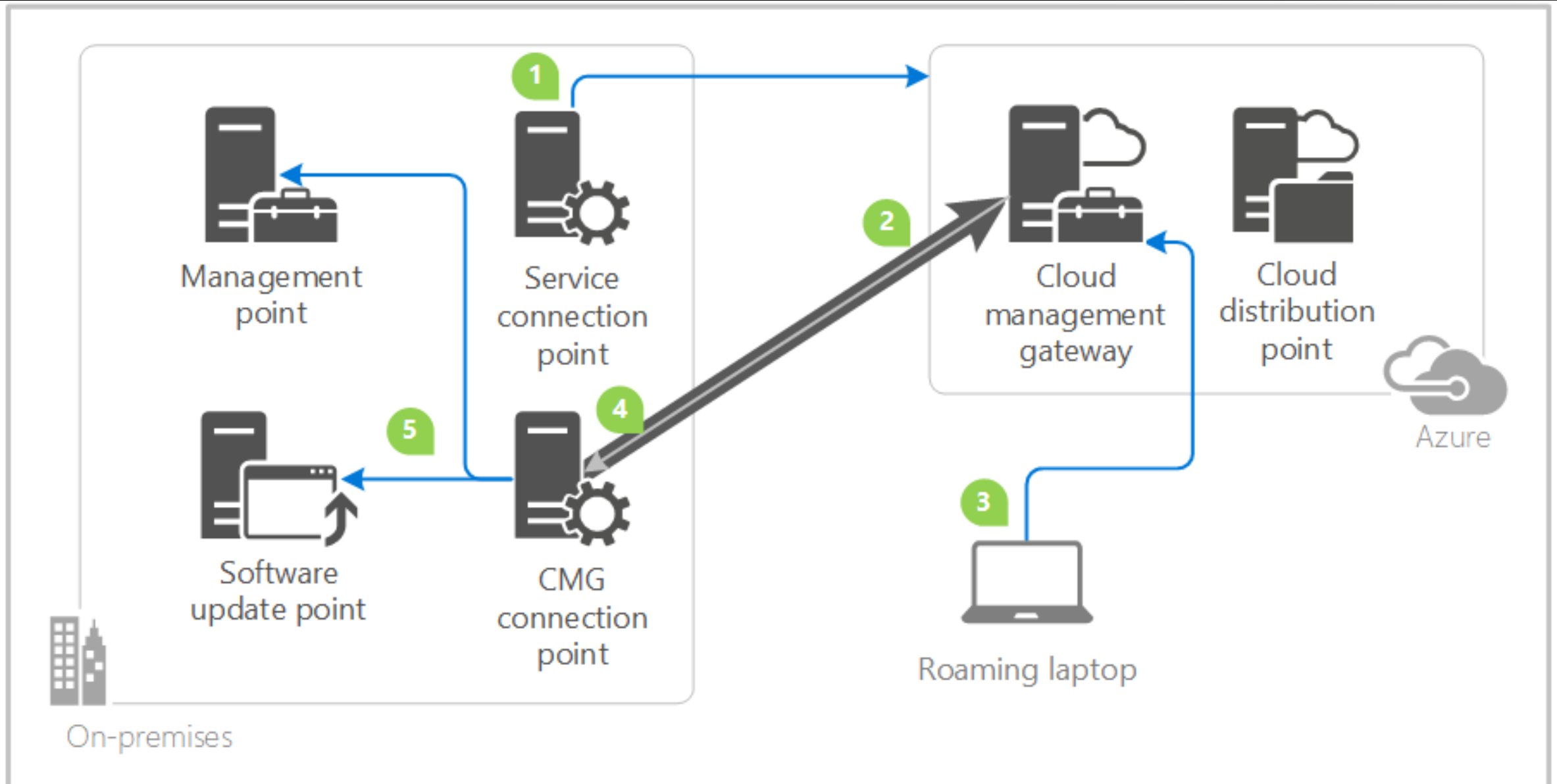
Sidan för registreringsstatus visas första gången när enheten installeras. När den är aktiverad kan användarna följa installationsförloppet för tilldelade appar och profiler.

Visa installationsförlopp för appar och profiler	<input checked="" type="checkbox"/> Ja <input type="checkbox"/> Nej
Blockera användning av enheten tills alla appar och profiler har installerats	<input checked="" type="checkbox"/> Ja <input type="checkbox"/> Nej
Tillåt användare att återställa enheten om det uppstår fel vid installationen	<input checked="" type="checkbox"/> Ja <input type="checkbox"/> Nej
Tillåt användare att använda enheten om det uppstår fel under installationen	<input type="checkbox"/> Ja <input checked="" type="checkbox"/> Nej
Visa fel när installationen tar längre tid än angivet antal minuter	<input type="text" value="60"/> <input checked="" type="checkbox"/>
Visa ett anpassat meddelande när ett fel uppstår	<input type="checkbox"/> Ja <input checked="" type="checkbox"/> Nej
Låt användarna samla in loggar om installationsfel	<input type="checkbox"/> Ja <input checked="" type="checkbox"/> Nej

Cloud Management Gateway

- Cloud Management Gateway är en roll i Configuration Manager som använder Azure för att möjliggöra hantering av enheter utanför det egna nätet.
- Med CMG kan vi hantera AzureAD Joined devices i Configuration Manager
- Configuration Manager klienten kommer ned från CMG (CM 1806)
- Just nu saknar vi exempelvis i Intune
 - Win32 Inventering
 - Firmware/driver update support
- Befintliga integrationer med SCCM fortsätter fungera delvis

CMG arkitektur



Mer nytt/på gång - Autopilot

- Autopilot for Hybrid AADJ
- Windows 7 – Windows 10 rip and reuse (CM 1810, nedladdning till 1806)
- Forced enrollment
- Remove OEM bloatware
- Auto-register enrolled devices in AutoPilot
- Block Personal devices
- Device renaming without reboot
- User Personalization

Kiosk - Windows 10 1803

- Kiosk Mode support
- Kiosk App finns i Windows Store, konfigureras via Intune
- Kiosk-läge med flera appar
 - Distribuera start meny, nedlåsning.
- Licensiering
- Autoinloggning
 - Lokalt
 - AzureAd
 - Domain Account
 - Autologon

Redigera rad
Kioskkonfiguration

Ställ upp en kioskkonfiguration med en lista över appar som kan användas i kioskläge och behöriga användare.

* Namn på kioskkonfiguration ⓘ

* Kioskläge ⓘ

ID för UWP-app (Universal Windows Platform) ⓘ

* App som körs i helskärmsläge >
Microsoft.KioskBrowser_8wekyb3d8bbwe!App

* Användarkontotyp ⓘ



Welcome! Let's get you set up for work.

This may take a while, but leave everything to us.
Please don't turn off this device.

Set up manually

Next





Sync your Activities?



Resume activities between devices with Timeline and let Windows recommend recent activities. Sync your activities to the cloud to get started.

Review the [Learn more](#) and [privacy statement](#) for info about the activity history, what happens when you send your activity history to Microsoft, and how we respect your privacy.

[Learn more](#)

[Privacy statement](#)

No

Yes



Lessons learned

- Datorerna bör levereras med "Signature edition" av Windows 10 har en kostnad för vissa leverantörer
- Att Dell, Lenovo, Atea? levererar en dator förregistrerad i Windows Autopilot kan ha en kostnad
- Datorer går inte att köpa med Windows 10 Enterprise
- Processer, verktyg måste till för hantering av dessa enheter
- Co-Management med Configuration manager kan användas för att komplettera Intune där det behövs.
- Utbildning av Helpdesk, On-site tekniker

Intune Win32 Software Distribution

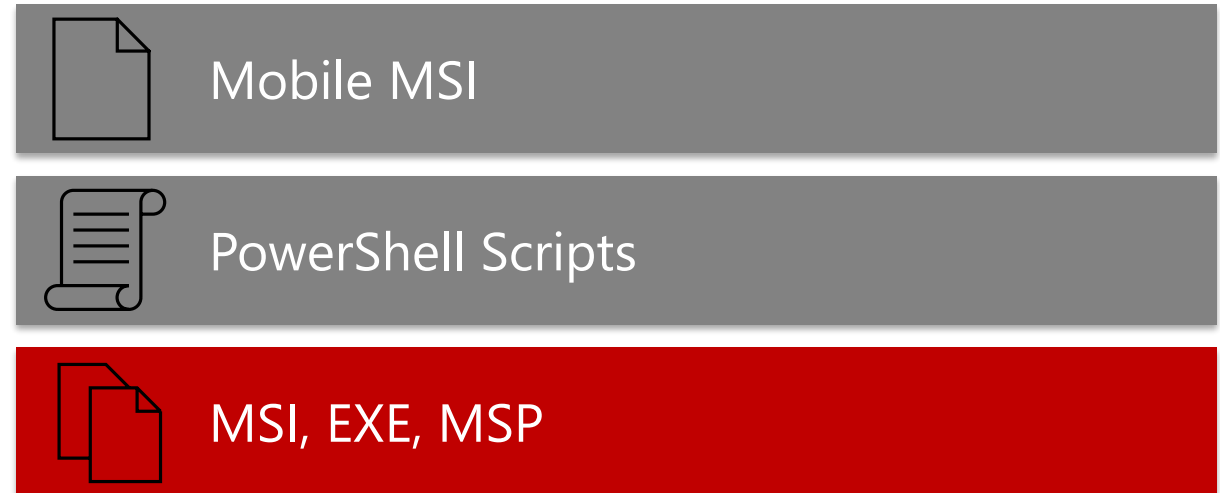
In the Past



Limited to single file MSI for Win32 apps

Challenge for customers to deploy complex Windows apps

What's New



- ✓ Leverage MSIX packaging tool to convert your existing Win32 apps to MSIX
- ✓ Use new Intune capability to directly deploy Win32 apps (MSI, EXE and MSP/MST)

App-Install Choose the right tool!



Use ConfigMgr

If you are currently using Configuration Manager for app deployment and have other on-prem IT management needs (like OS deployment, task sequences, software update via WSUS/SUP)



Use Intune

If you are a cloud-only customer, or looking to move your environment to pure cloud



Application Model Diagram

Windows Installer
(MSI, EXE, MSP)

Win32 Application Type

Content (.intunewin)

App metadata

End user Metadata

Requirement Rules

Install / Uninstall Command

Detection Method

Return Codes

Prep/Upload content

Keep your apps organized

The "friendly" information for your users

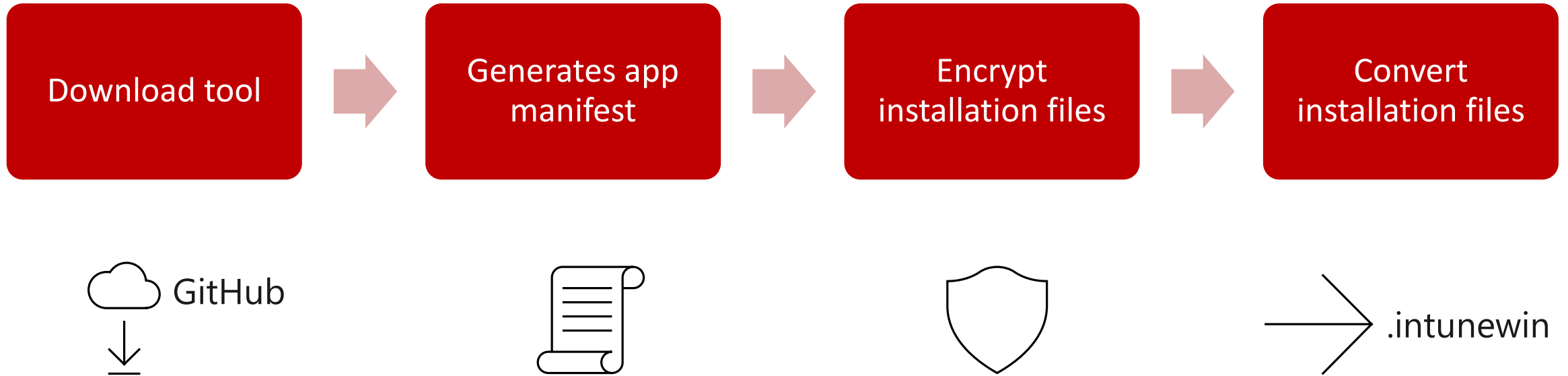
Can/cannot install app

Command line and options

Is app installed?

Triggers install retry and reporting

Prepping the content



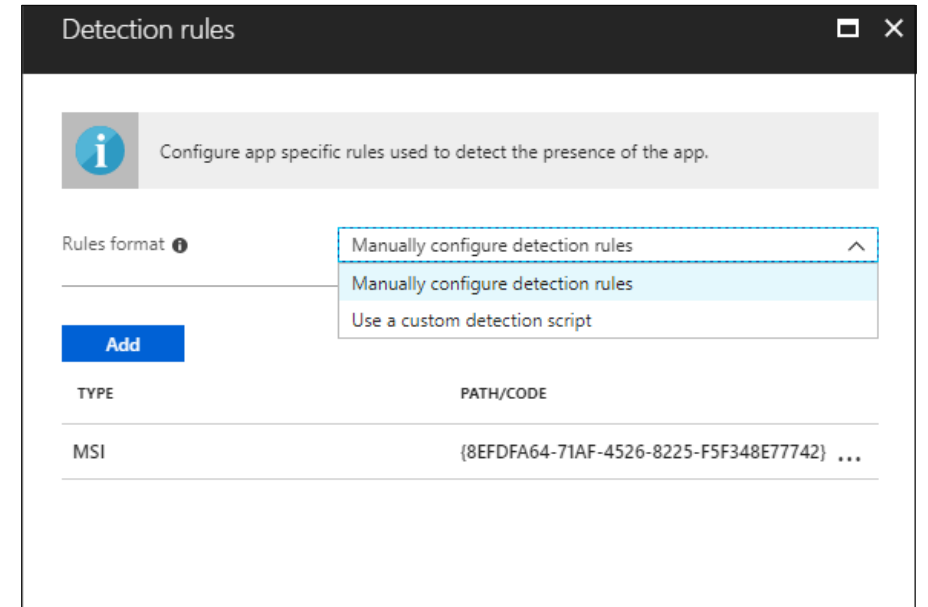
Build rich detection rules for determining application presence

Includes File, Windows Installer and Registry

- Windows Installer – Product code and version
- File – File and Folder properties including exists, version, date/time and size
- Registry – Key exists, value exists, comparisons of registry values

Expressions containing multiple rules can be built

Custom PowerShell script detection

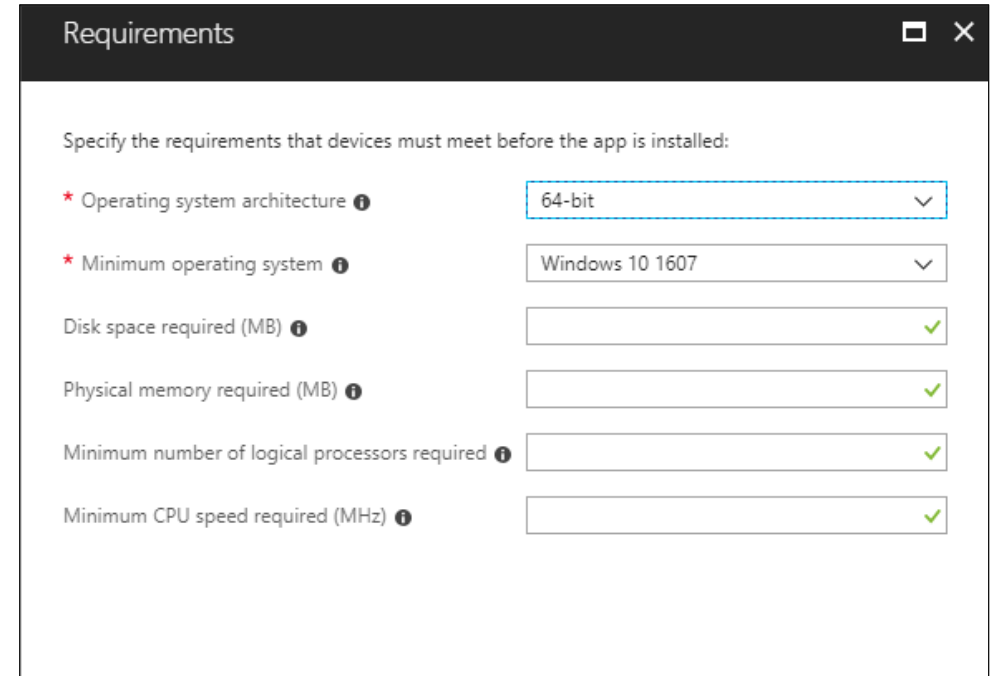


Provide specific conditions that must be met for successful app deployment

Properties of OS and device

- Minimum operating system version
- Free disk space
- System architecture

Rules are per app

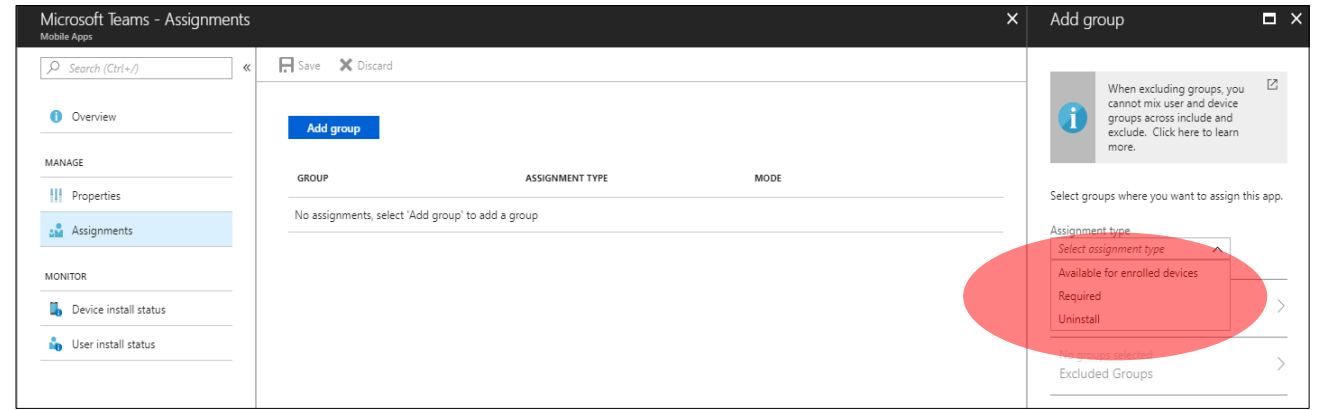


The screenshot shows a 'Requirements' dialog box with a dark title bar. Below the title bar, the text reads 'Specify the requirements that devices must meet before the app is installed:'. There are six rows of configuration options, each with a label, an information icon, and a control element:

- * Operating system architecture: 64-bit (dropdown menu)
- * Minimum operating system: Windows 10 1607 (dropdown menu)
- Disk space required (MB): [empty text box] (green checkmark)
- Physical memory required (MB): [empty text box] (green checkmark)
- Minimum number of logical processors required: [empty text box] (green checkmark)
- Minimum CPU speed required (MHz): [empty text box] (green checkmark)

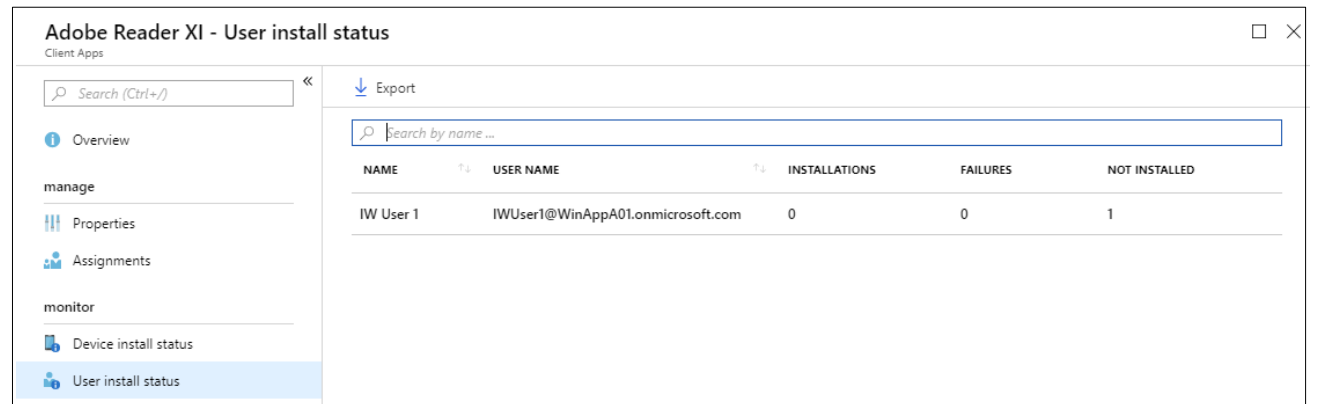
App Assignment

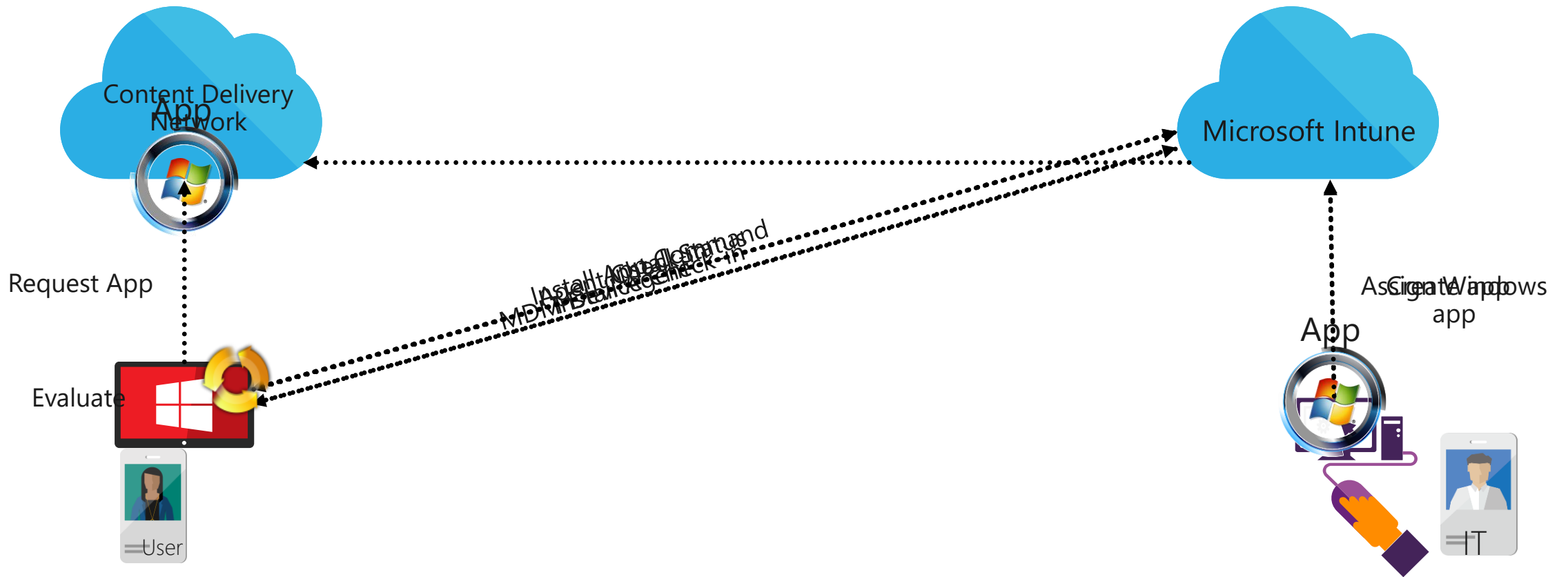
- Required
- Available
- Uninstall
- Rich targeting (include/exclude)



Monitoring

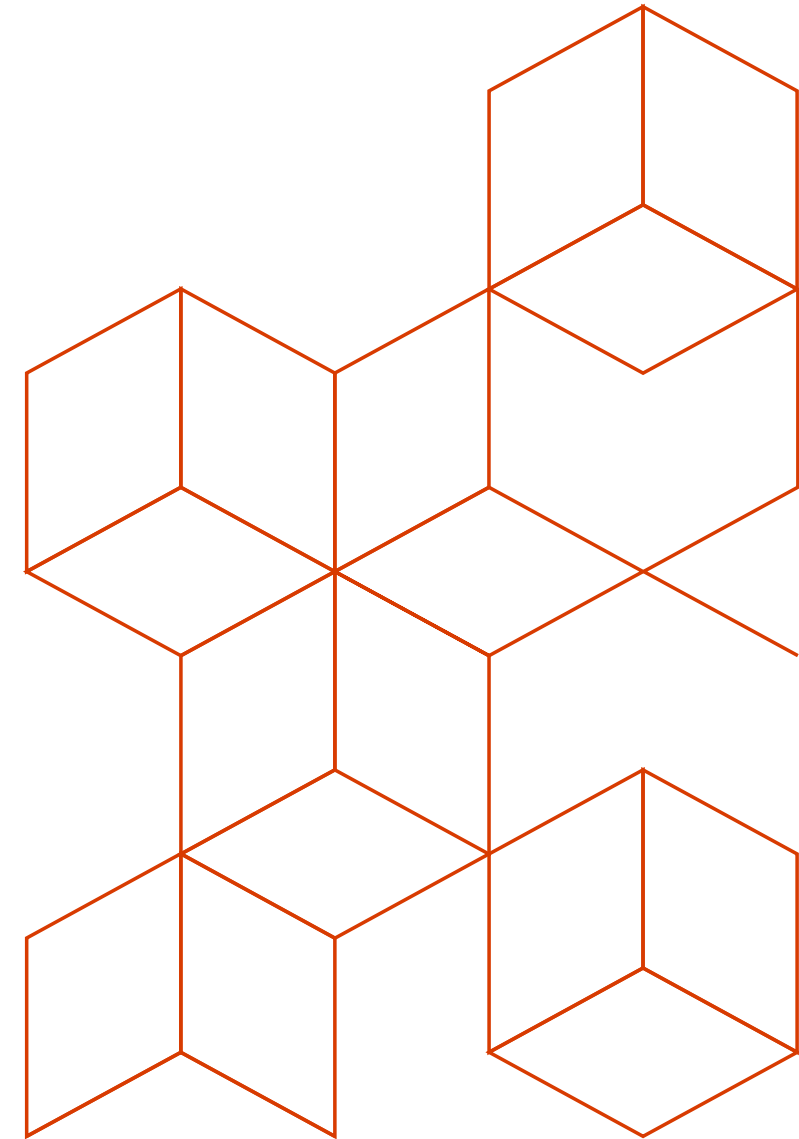
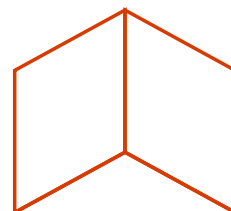
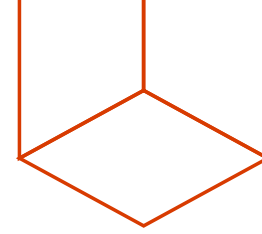
- Aligns with Intune app reporting



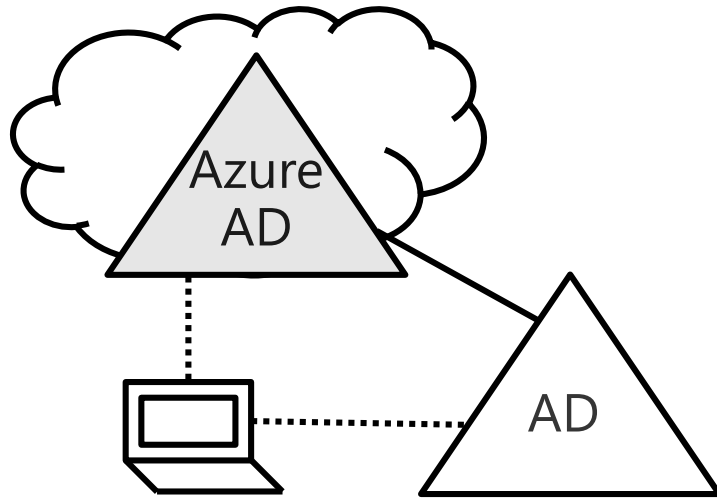


App Install Demo

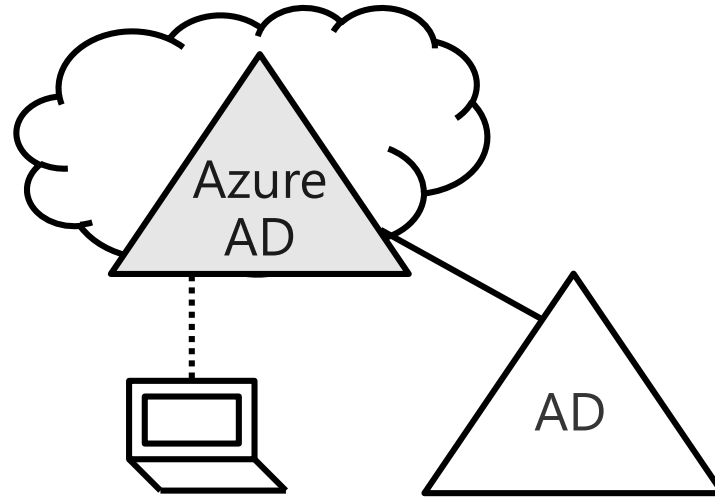
Mahyar Ghadiali



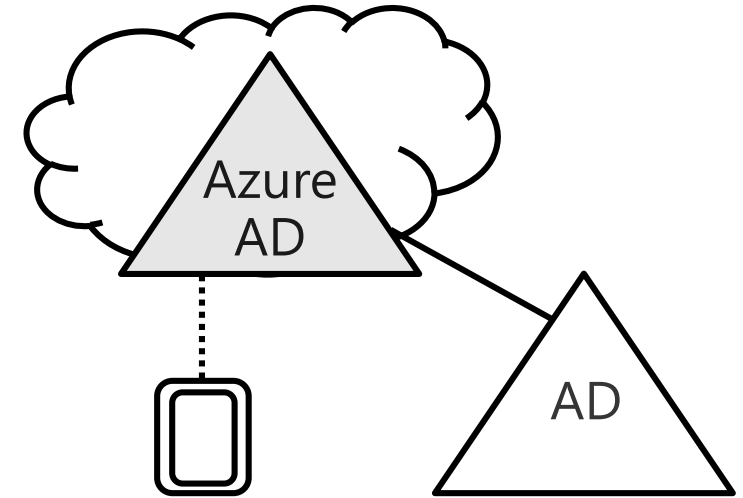
Device states in Azure AD



Hybrid Azure AD joined



Azure AD joined



Azure AD registered

Why Hybrid AD Join?

Caveats of Azure AD joined device Deployment Method



AAD Join creates a new profile; Profile needs to be manually migrated



Some GPOs may not map to Intune



Win 32 apps relying on machine authentication won't work



Printer path works; AD Printer discovery does not work



Deploy with Option 2: Hybrid Azure AD joined device config

Microsoft's guidance is to use Azure AD Join whenever practical

Azure AD joined device config is the preferred path for **non domain joined devices**

Hybrid Azure AD joined device config is the preferred path for **existing domain joined devices**

Always consider Azure AD Join first

Consider Using both: Hybrid Azure AD joined device config for existing domain devices and Azure AD joined devices for new devices or device refresh

