Windows 10 Autopilot and EMS a Modern Approach

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Lumagate part of Innofactor

SUNET

Today's focus
Microsoft 365 powered devices

What is Microsoft 365?

"A complete, intelligent, secure solution to empower employees"

- Office 365

Windows 10

Enterprise Mobility + Security

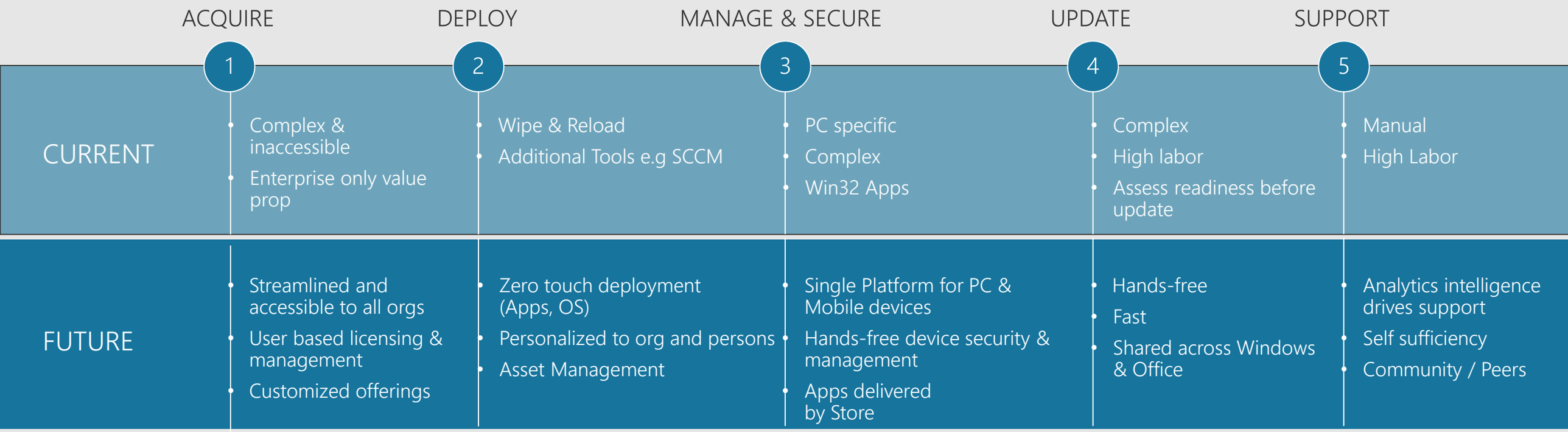
Unlocks creativity

Built for teamwork

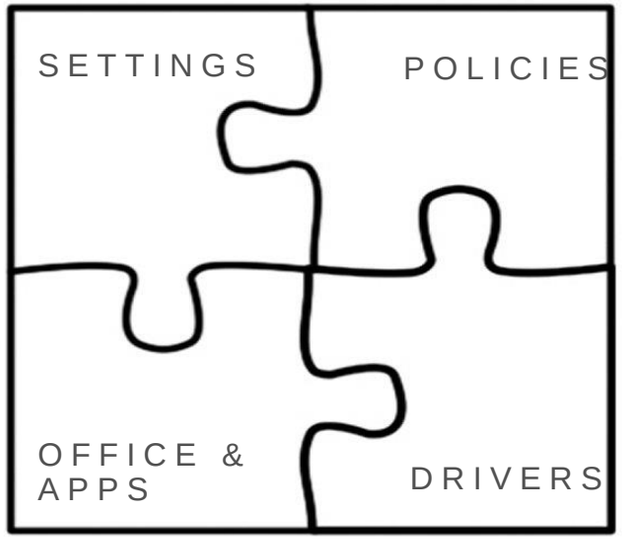
Integrated for simplicity

Intelligent security

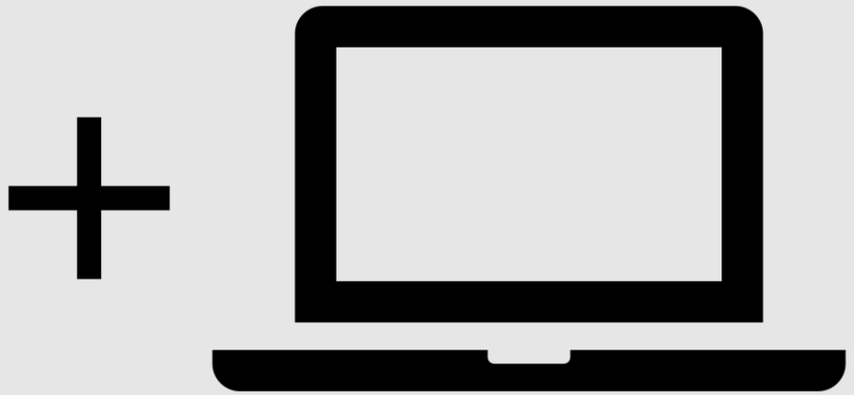
Device lifecycle



Traditional deployment

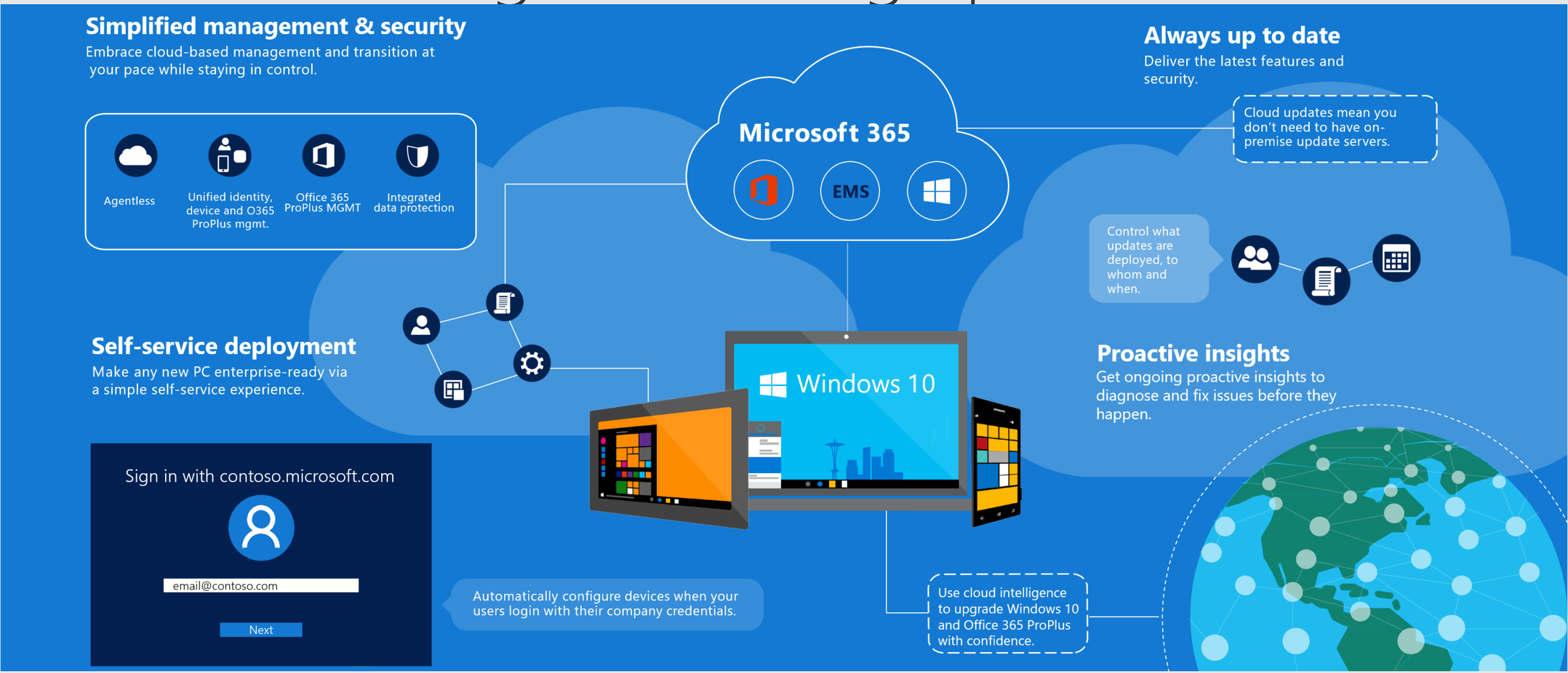


1. Build & maintain custom image, gathering everything else that's necessary to deploy



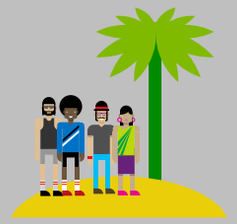
2. Wipe original OEM Windows image and replace with custom image

Modern management infographic

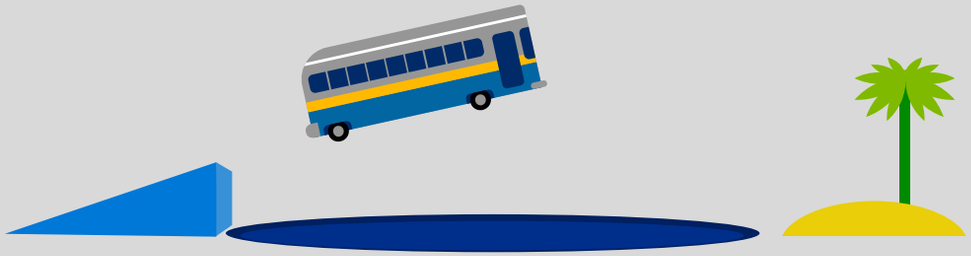


Paths to Modern Management

Cloud-first

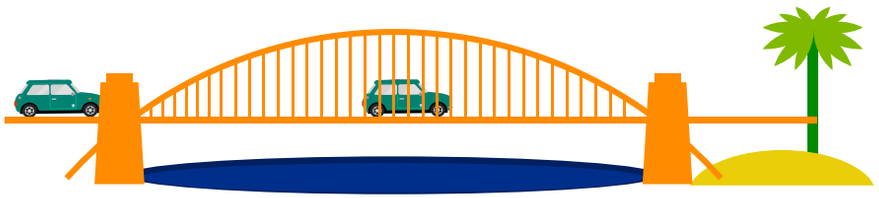


Big Switch Transition

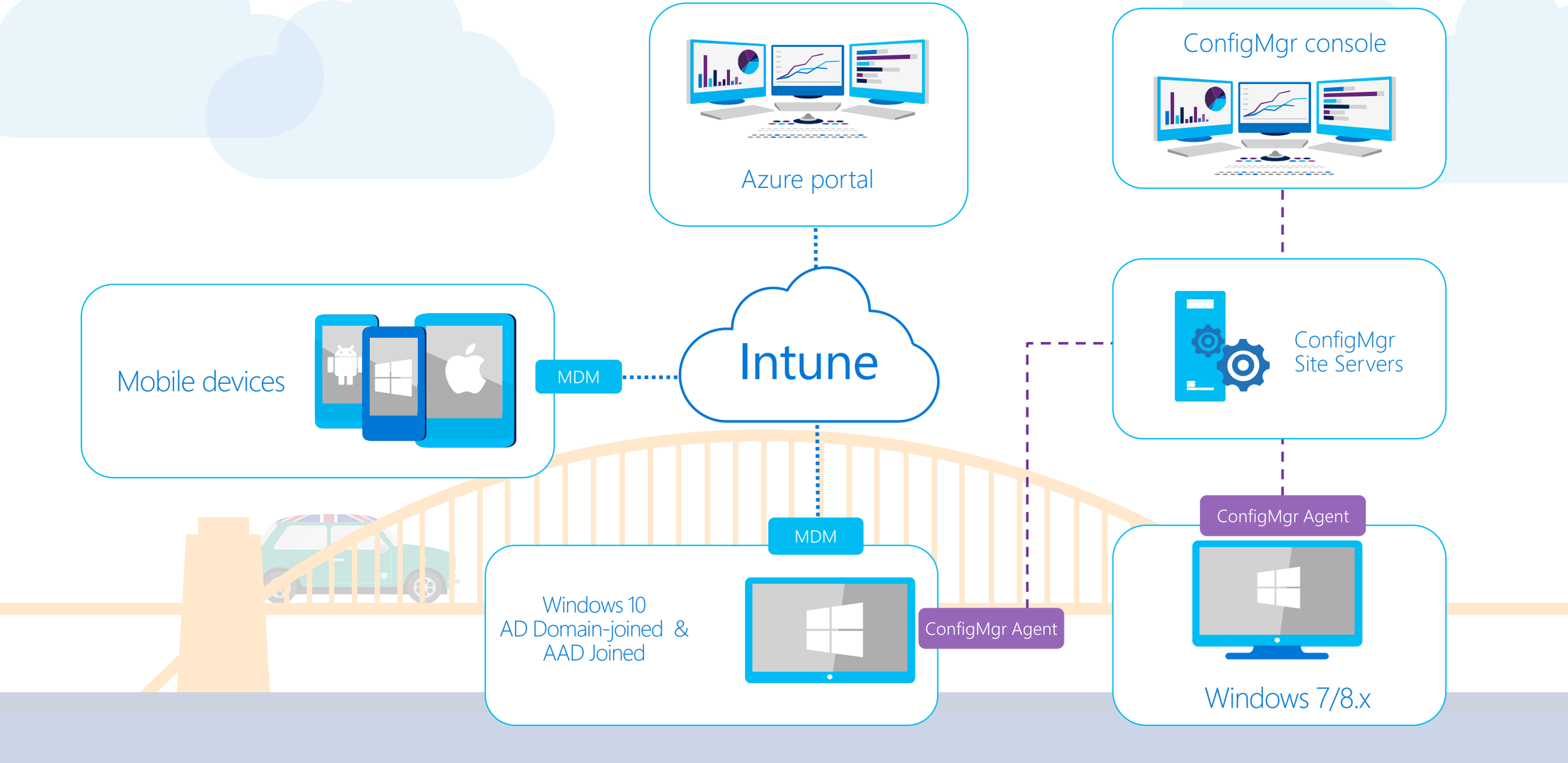


Group by Group Transition

Iterative (“Co-management”)

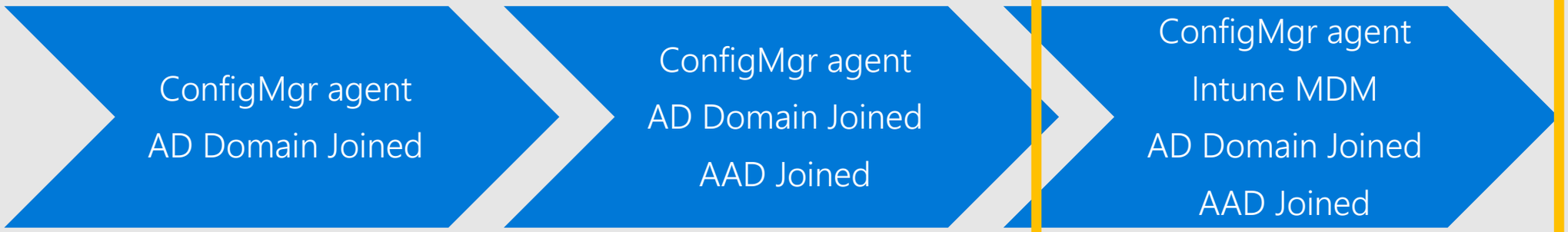


Co-Management Architecture With ConfigMgr and Intune

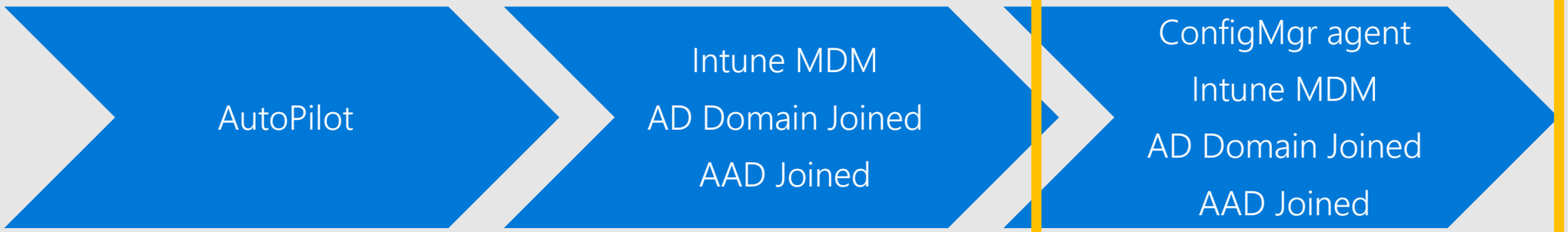


How to get to co-management

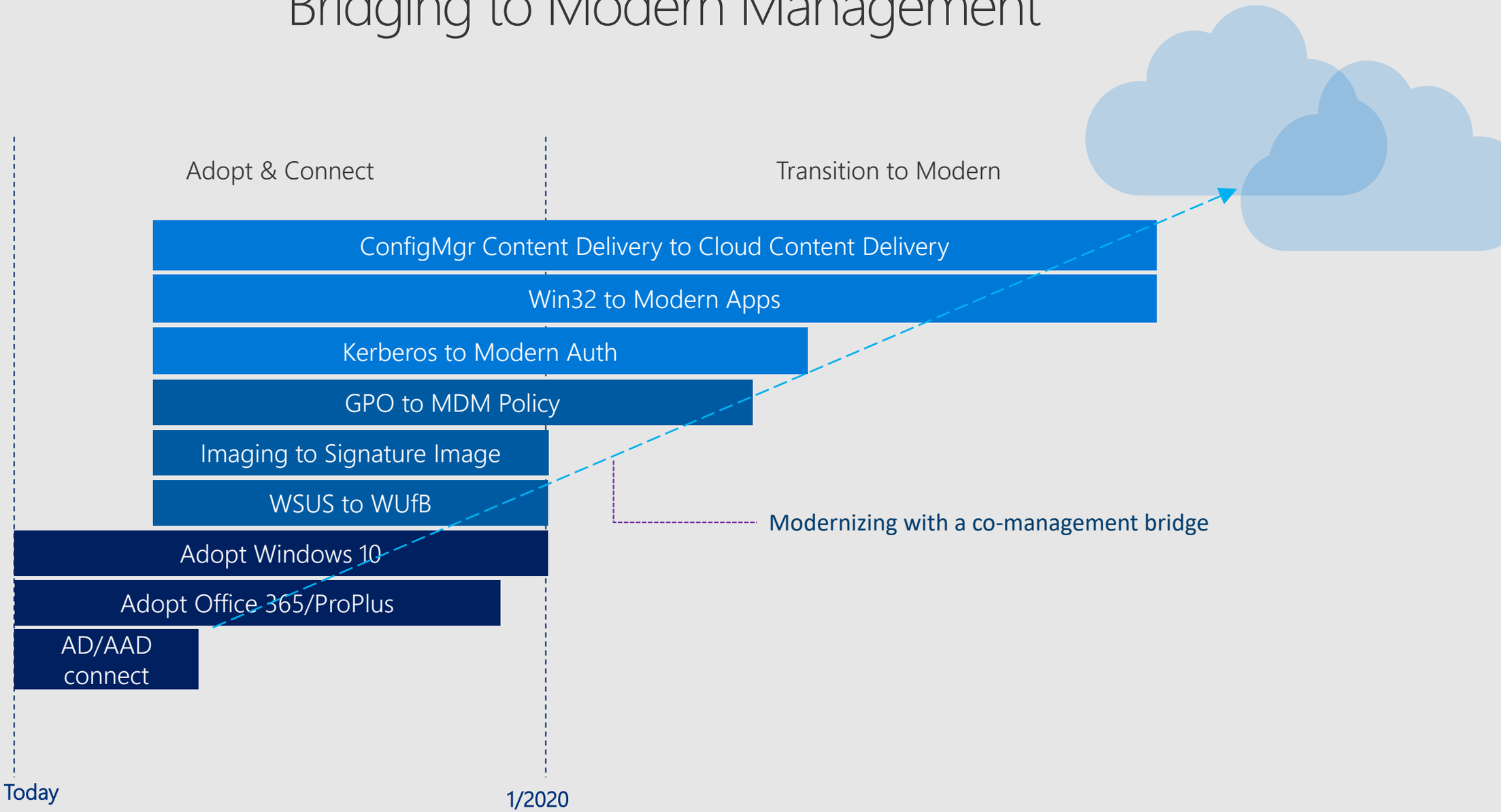
Existing ConfigMgr managed devices

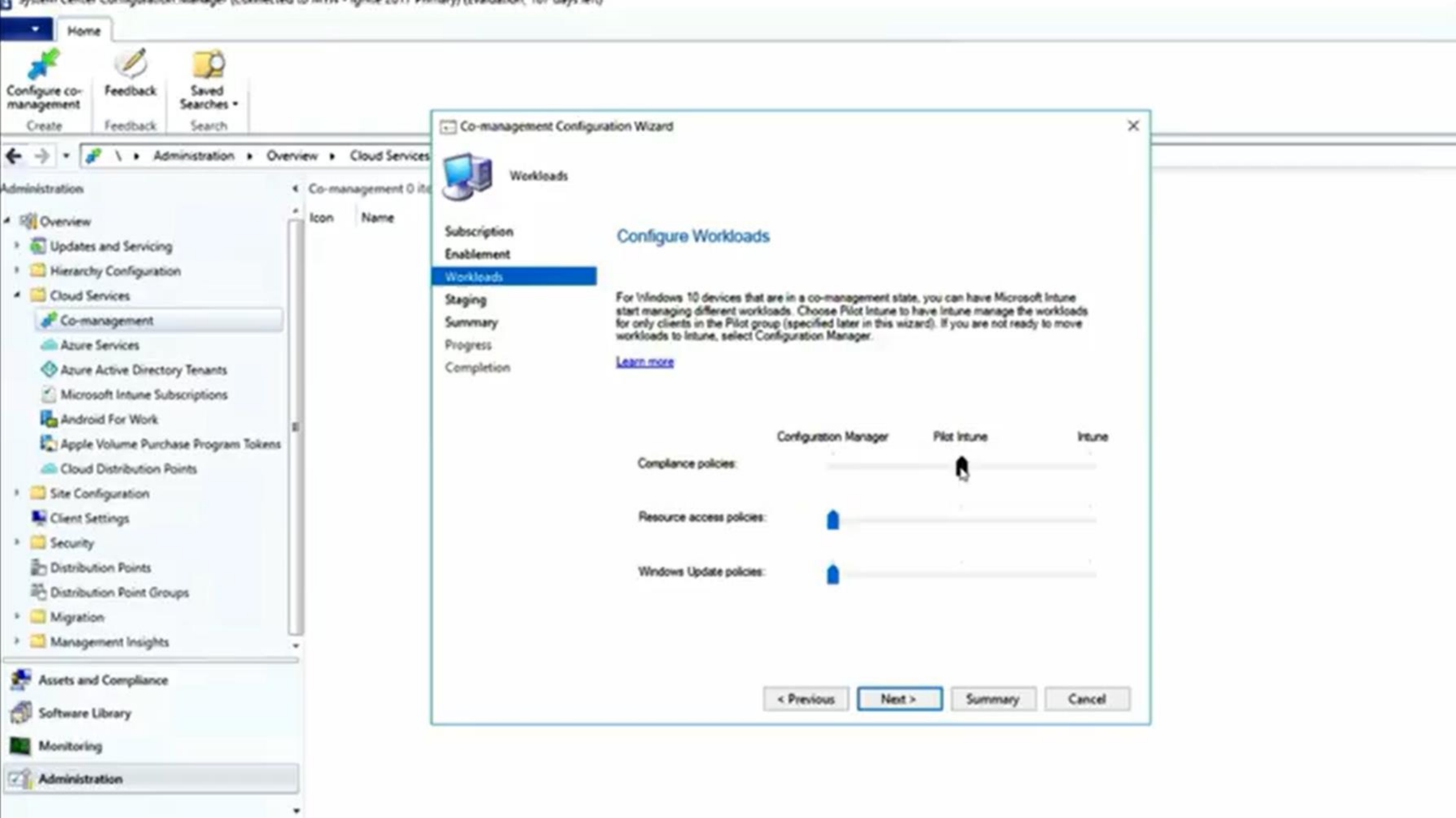


New devices

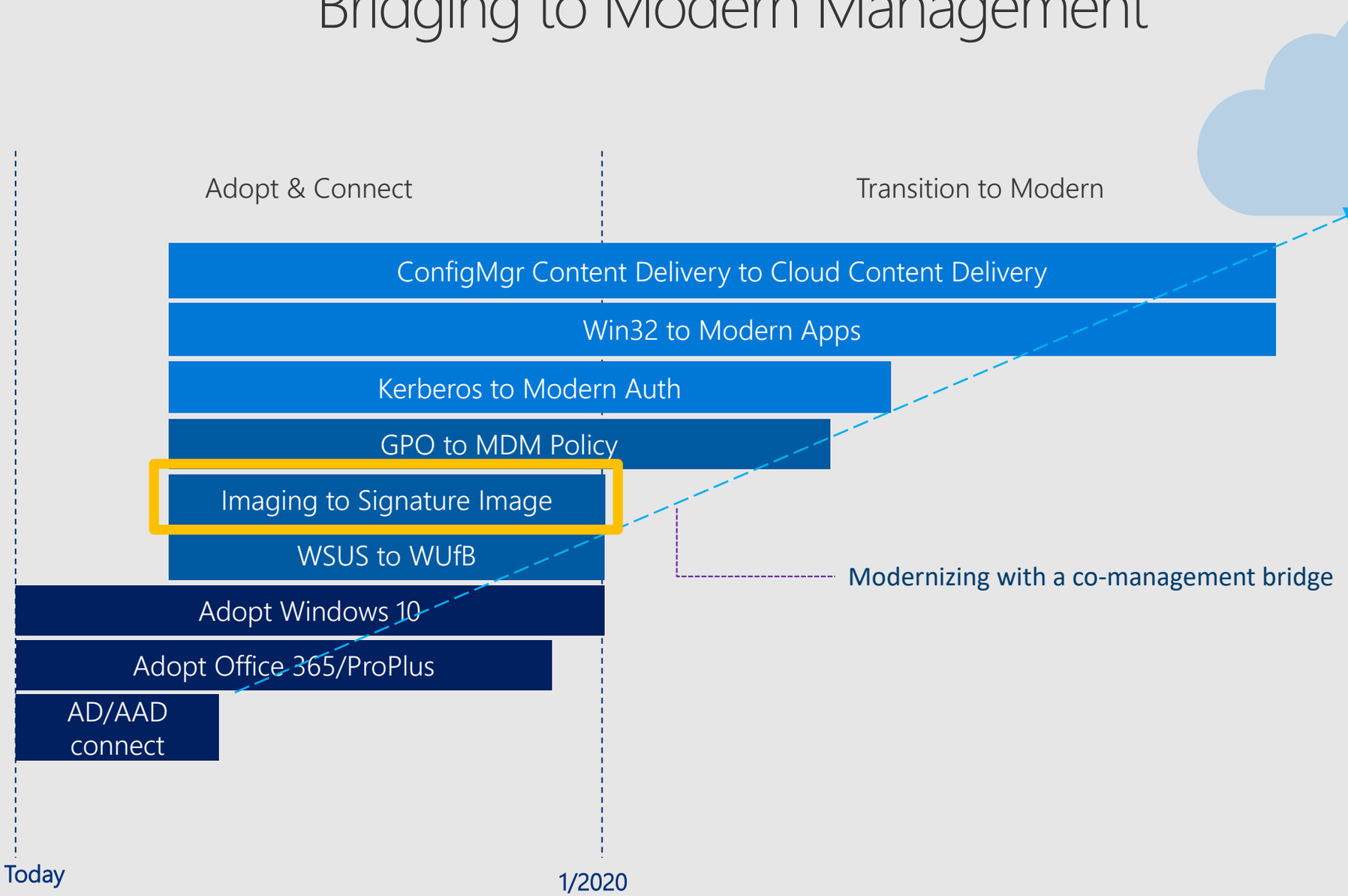


Bridging to Modern Management

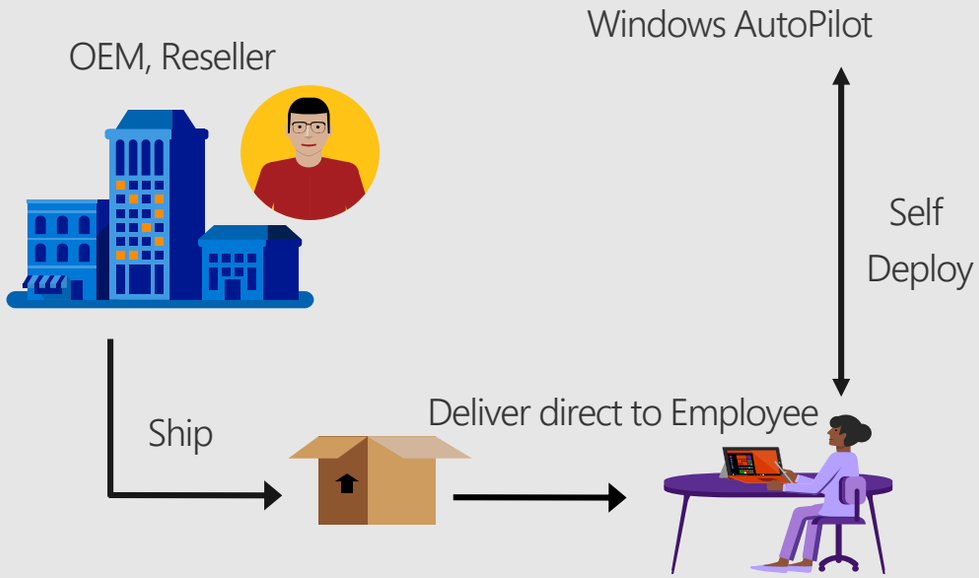



Home
Configure co-management
Create
Feedback
Feedback
Saved Searches
Search
Administration
Overview
Cloud Services
Administration
Overview
Updates and Servicing
Hierarchy Configuration
Cloud Services
Co-management
Azure Services
Azure Active Directory Tenants
Microsoft Intune Subscriptions
Android For Work
Apple Volume Purchase Program Tokens
Cloud Distribution Points
Site Configuration
Client Settings
Security
Distribution Points
Distribution Point Groups
Migration
Management Insights
Assets and Compliance
Software Library
Monitoring
Administration
Co-management 0 ite
Icon
Name
Co-management Configuration Wizard
Workloads
Subscription
Enablement
Workloads
Staging
Summary
Progress
Completion
Configure Workloads
For Windows 10 devices that are in a co-management state, you can have Microsoft Intune start managing different workloads. Choose Pilot Intune to have Intune manage the workloads for only clients in the Pilot group (specified later in this wizard). If you are not ready to move workloads to Intune, select Configuration Manager.
Learn more
Configuration Manager
Pilot Intune
Intune
Compliance policies:
Resource access policies:
Windows Update policies:
< Previous
Next >
Summary
Cancel

Bridging to Modern Management

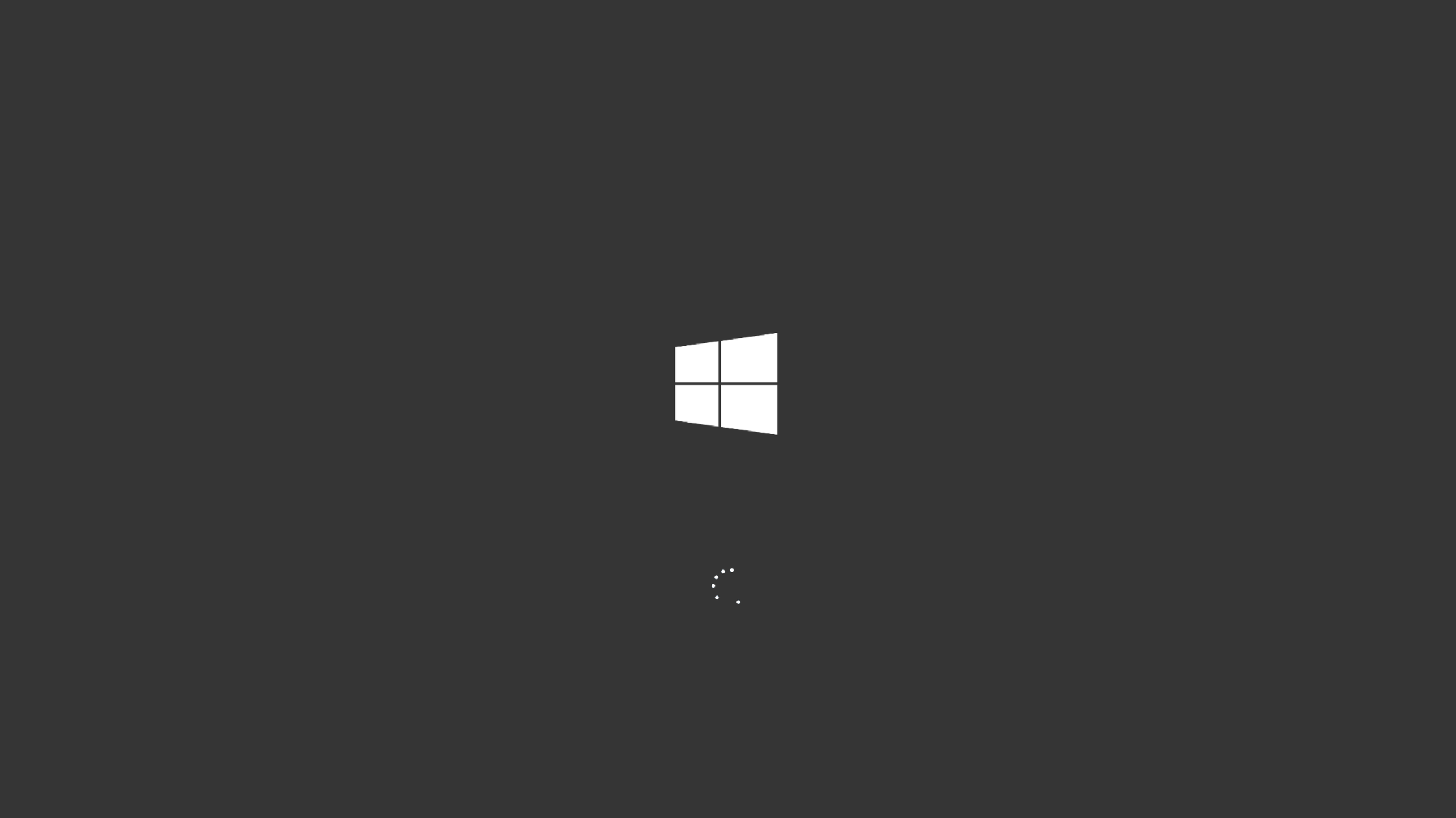


Deployment with windows autopilot



- See it as Microsoft's version of Apple DEP program
- Device ID needs to be pre-enrolled (unknown computer scenario doesn't work)
- Joins Azure AD, Intune registration, deploys packages etc. automatically

Microsoft Surface Book



Welcome

Continue in English?

English

Français

Español

中文繁体

中文简体

Next

Would you like to continue in English?

Let's start with region. Is this right?

United Arab Emirates

United Kingdom

United States

Uruguay

Uzbekistan

Vanuatu

Vatican City

Venezuela

Yes

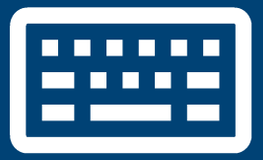
Is this the right keyboard layout?

- Swedish
- Norwegian
- Danish
- United States-International QWERTY
- Albanian QWERTZ
- Azerbaijani PUSUDB
- Azeri Latin QUERTY
- Belgian (comma) AZERTY

Yes

Basics

Want to add a second keyboard layout?

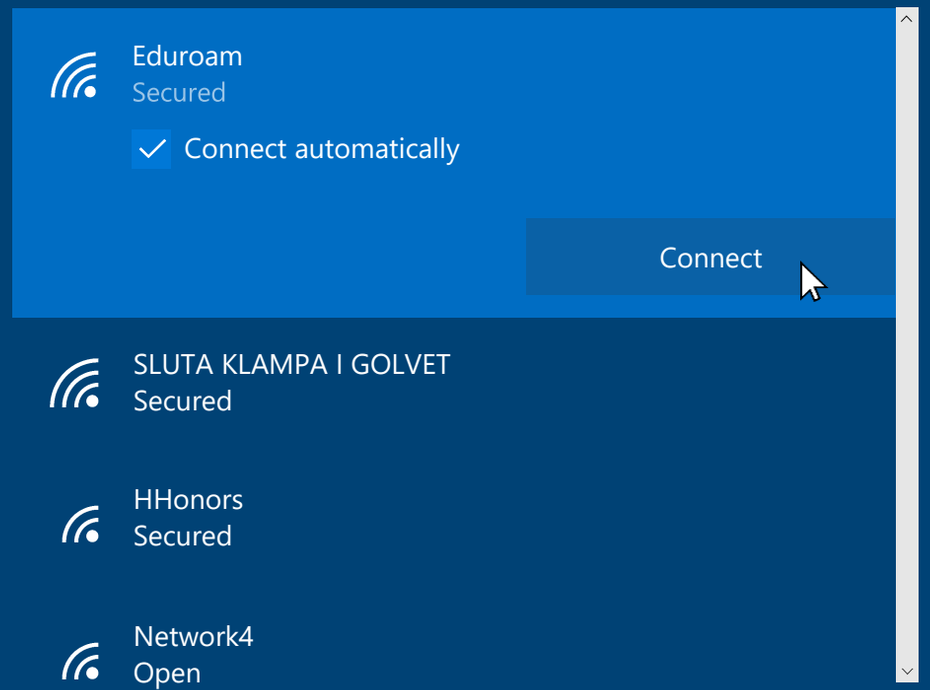


Add layout

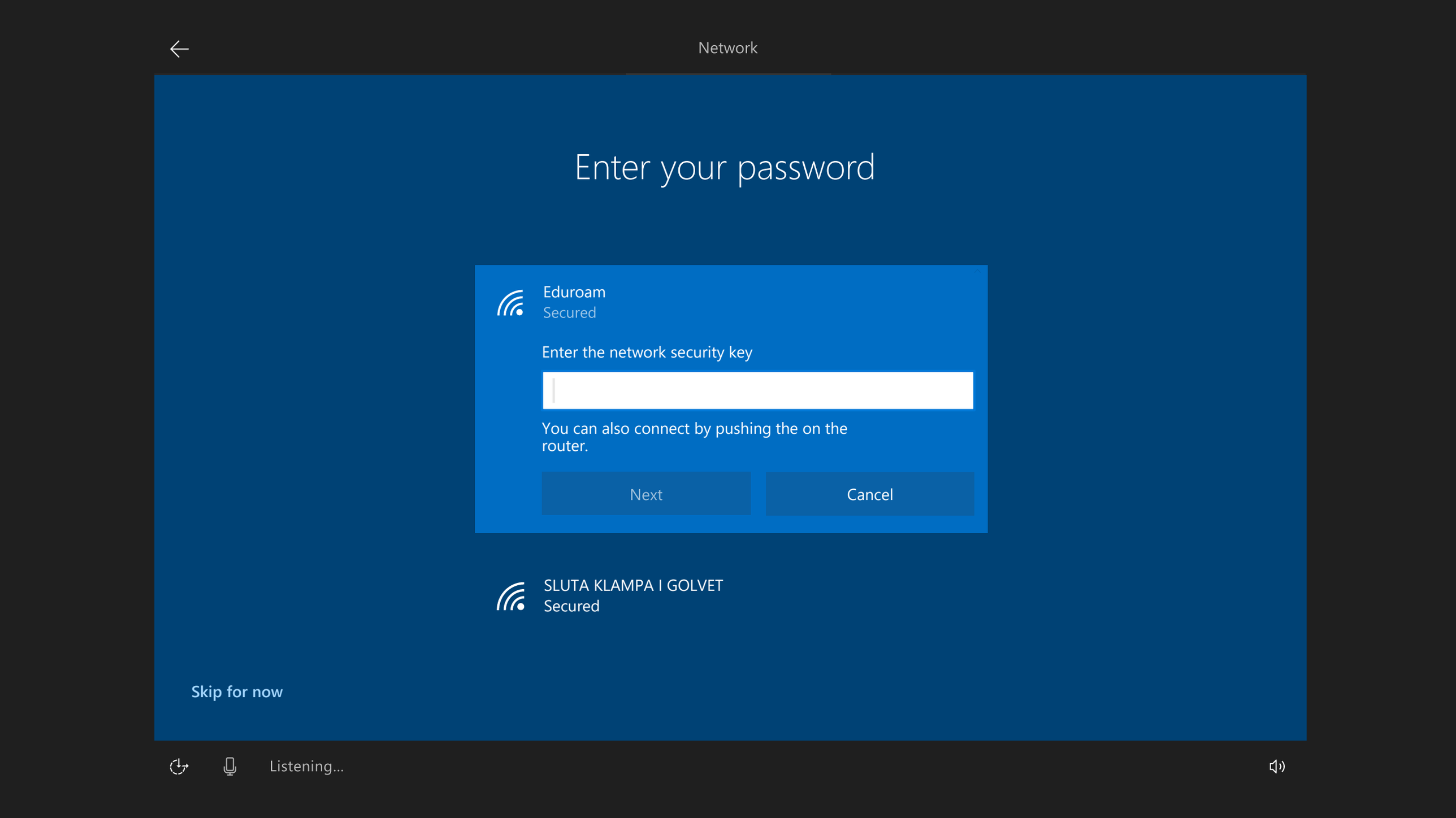
Skip

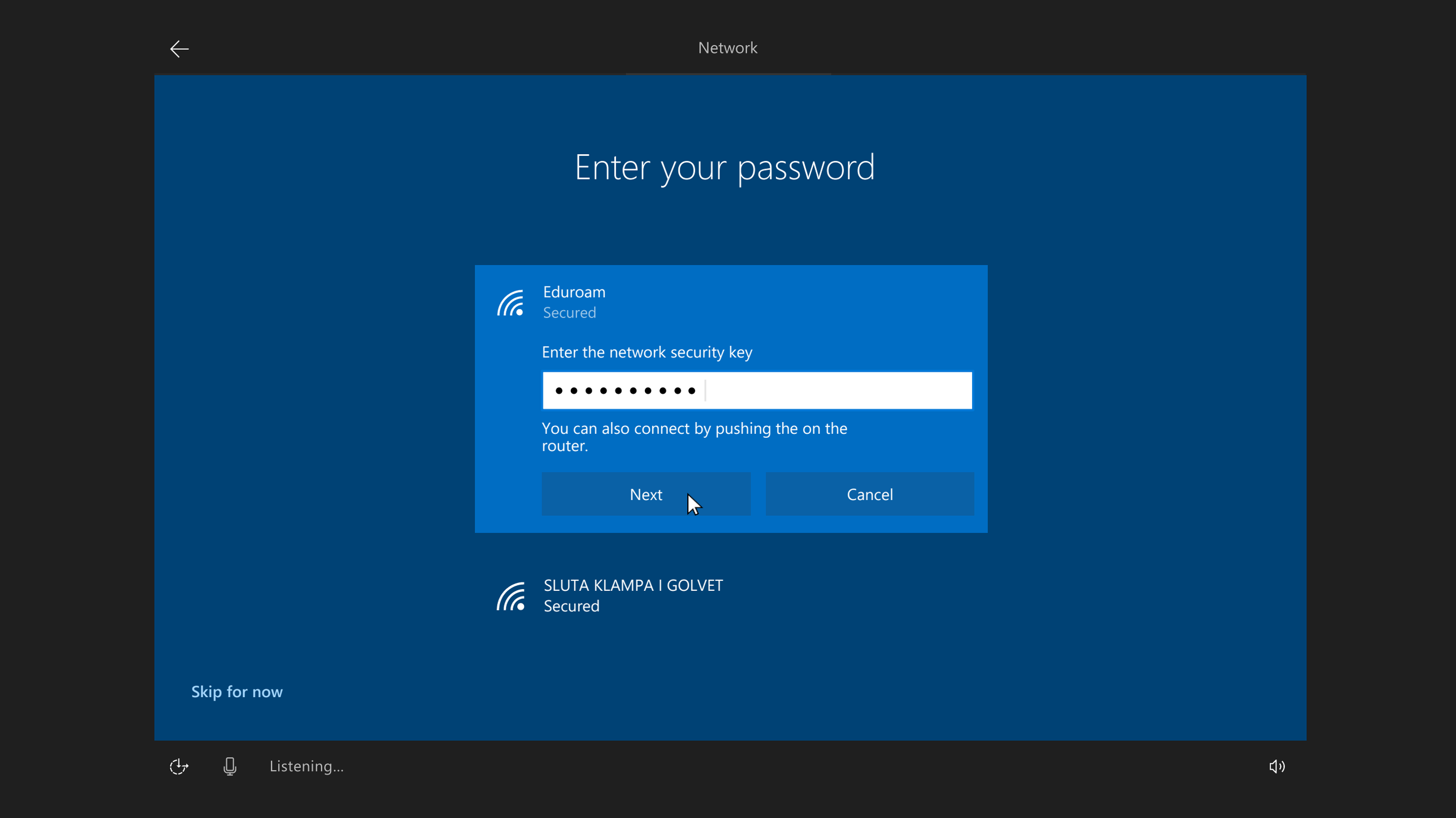
Listening...

Let’s connect you to a network



Skip for now


Network
Enter your password
Eduroam
Secured
Enter the network security key
You can also connect by pushing the on the router.
Next
Cancel
SLUTA KLAMPA I GOLVET
Secured
Skip for now
Listening...


Network
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Cancel
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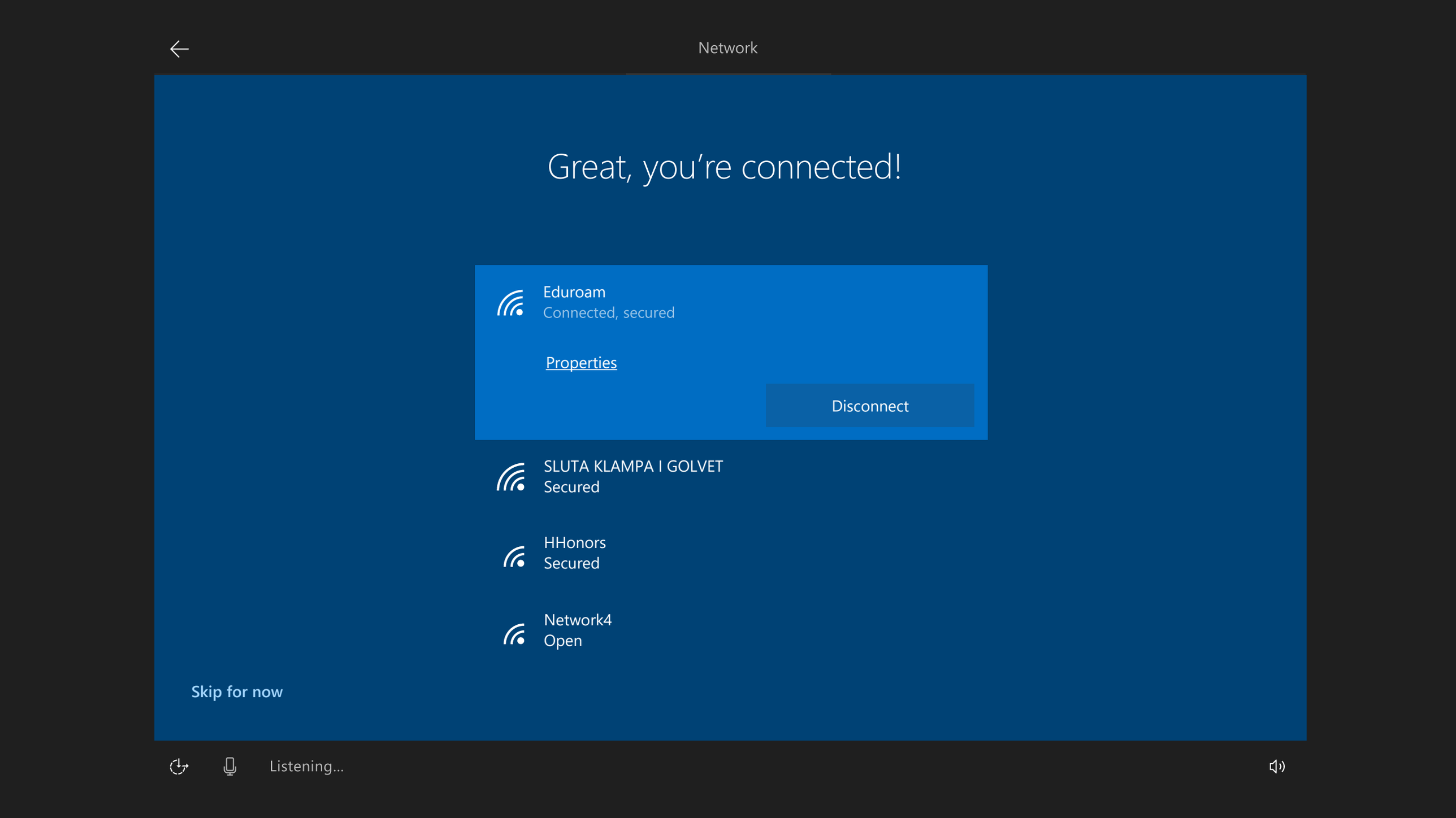
Secured
Skip for now
Listening...


Network
Great, you’re connected!
Eduroam
Connected, secured
Properties
Disconnect
SLUTA KLAMPA I GOLVET
Secured
HHonors
Secured
Network4
Open
Skip for now
Listening...

Network

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

Network

Now we'll check for any updates...

Sign in with sunet.se

This device is registered to sunet.se. Enter your sunet.se email address

Change account

Next

Just a moment...

We’re getting everything ready for you.

Don’t turn off your PC

This might take several minutes

Don’t turn off your PC

Don’t turn off your PC

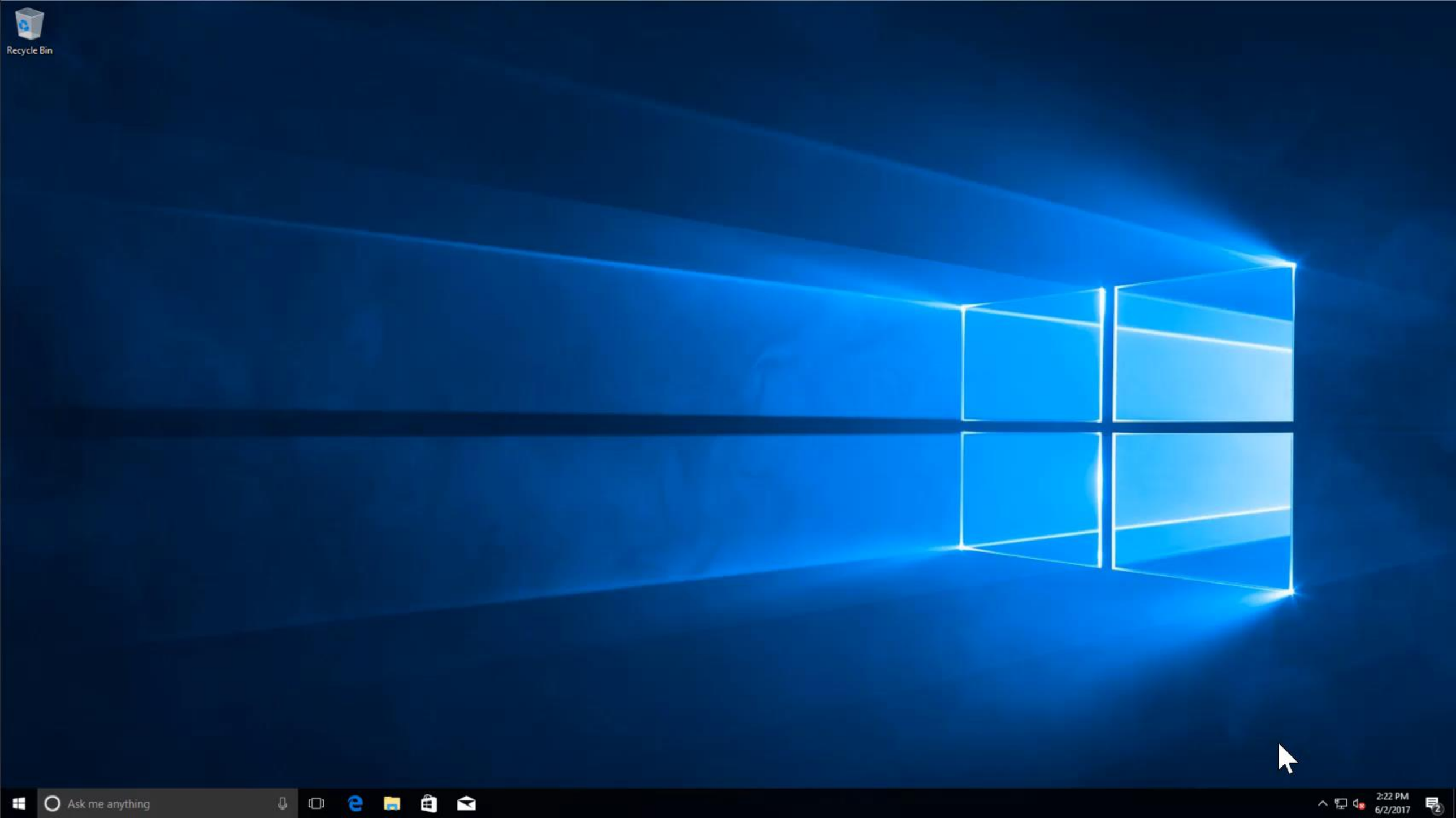
Setting up your device for work

Security setup complete

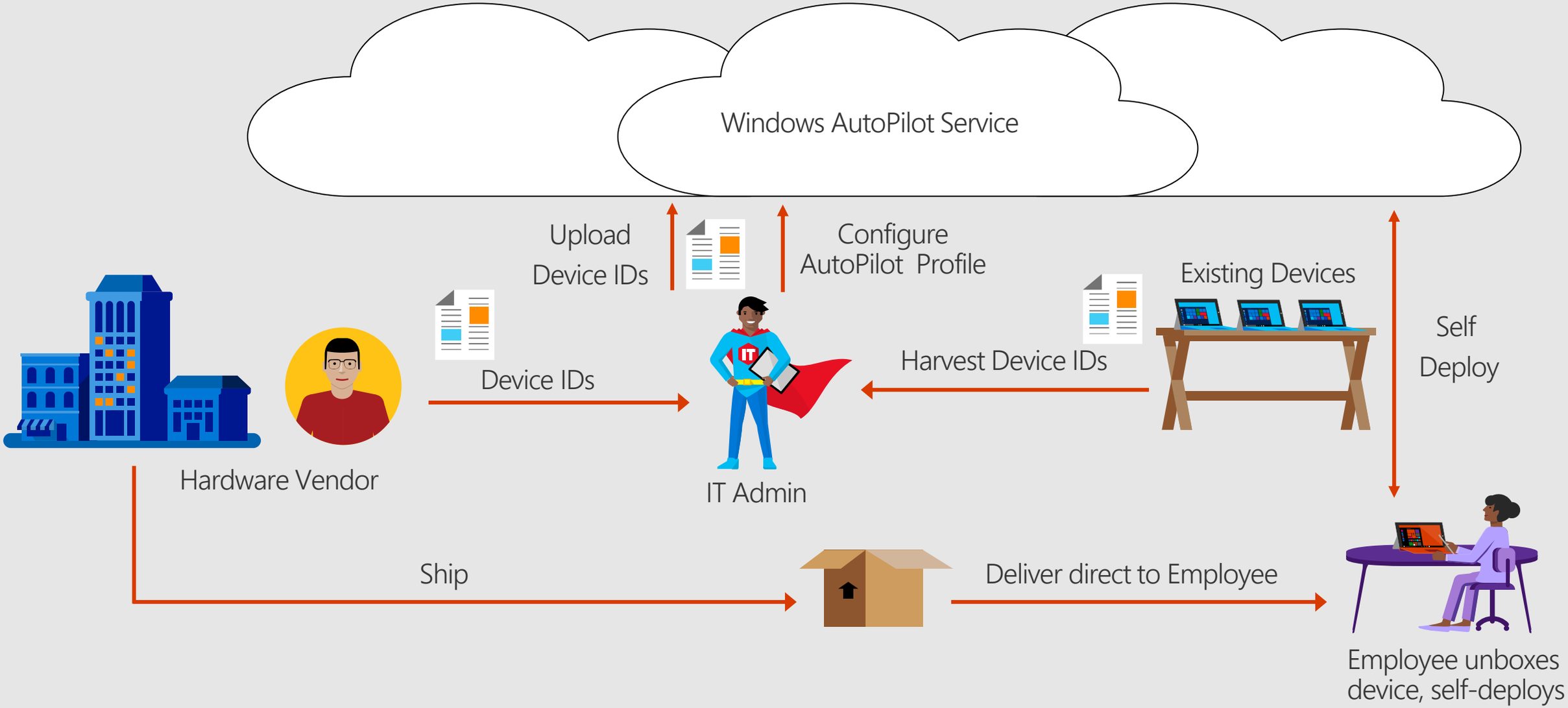
Network setup complete

Application installation complete

Leave everything to us. (Don’t turn off this device.)


Recycle Bin
Ask me anything
2:22 PM
6/2/2017

Windows autopilot in detail



Supported vendors to date

Store + Script

Microsoft Azure

Restore default configuration

Search resources

brad@m365demo.com
IGNITE 2017

Dashboard

New dashboard | Edit dashboard | Share | Fullscreen | Clone | Delete

- New
- Dashboard
- Intune
- Azure Active Directory
- All resources
- Resource groups
- App Services
- Function Apps
- SQL databases
- Azure Cosmos DB
- Virtual machines
- Load balancers
- Storage accounts
- Monitor
- Virtual networks
- Advisor
- Security Center
- Billing
- Help + support
- More services

Security Center

Microsoft Intune

Conditional access

Software updates

Mobile apps

Eastern Time (U... Edit

1:38 PM

FRIDAY, SEPTEMBER 22, 2017

Marketplace

Directory - Ignite 2017

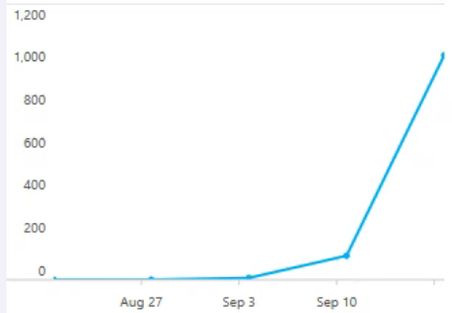
Azure AD Identity Protection

Users and groups

CG EM AD PA PA CA IG DT MU IR IG BT CM

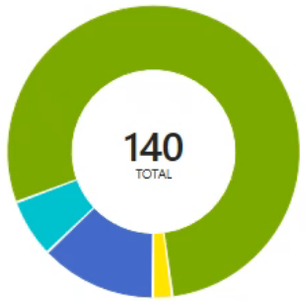
Users Sign-ins

SIGN-INS FOR 'ALL USERS' BETWEEN 8/23/2017 AND 9/22/2017.



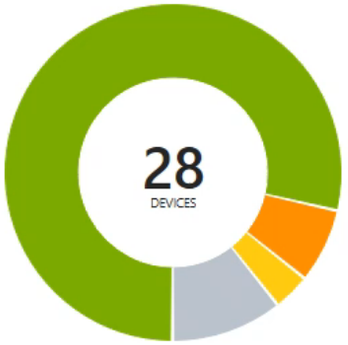
ALL USERS
1,052

Enrolled devices by platform



ANDROID 18 | IOS 9 | WINDOWS 110 | WINDOWS MOBILE 3

Device compliance



COMPLIANT 22

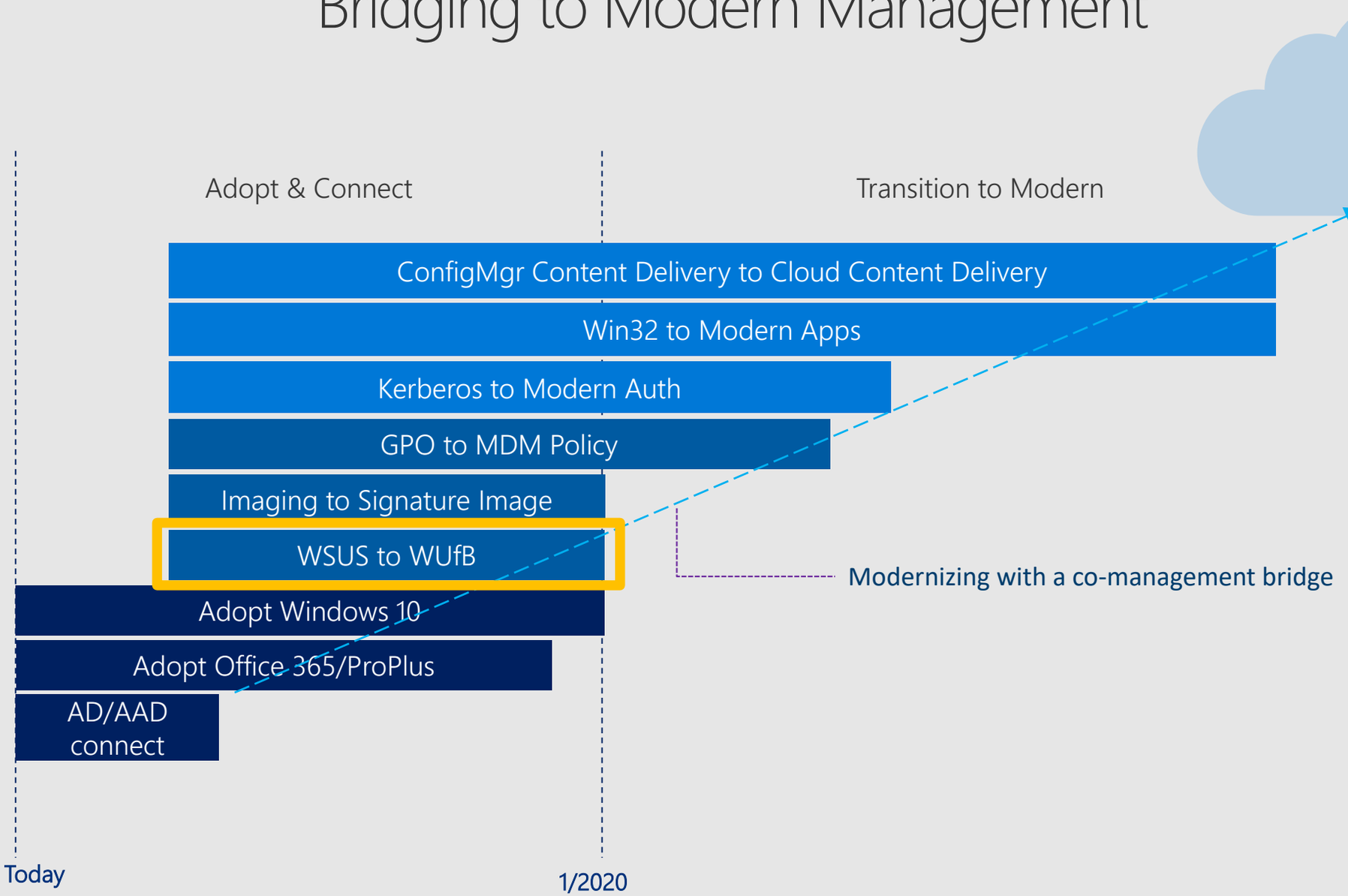
NOT COMPLIANT 2

IN GRACE PERIOD 1

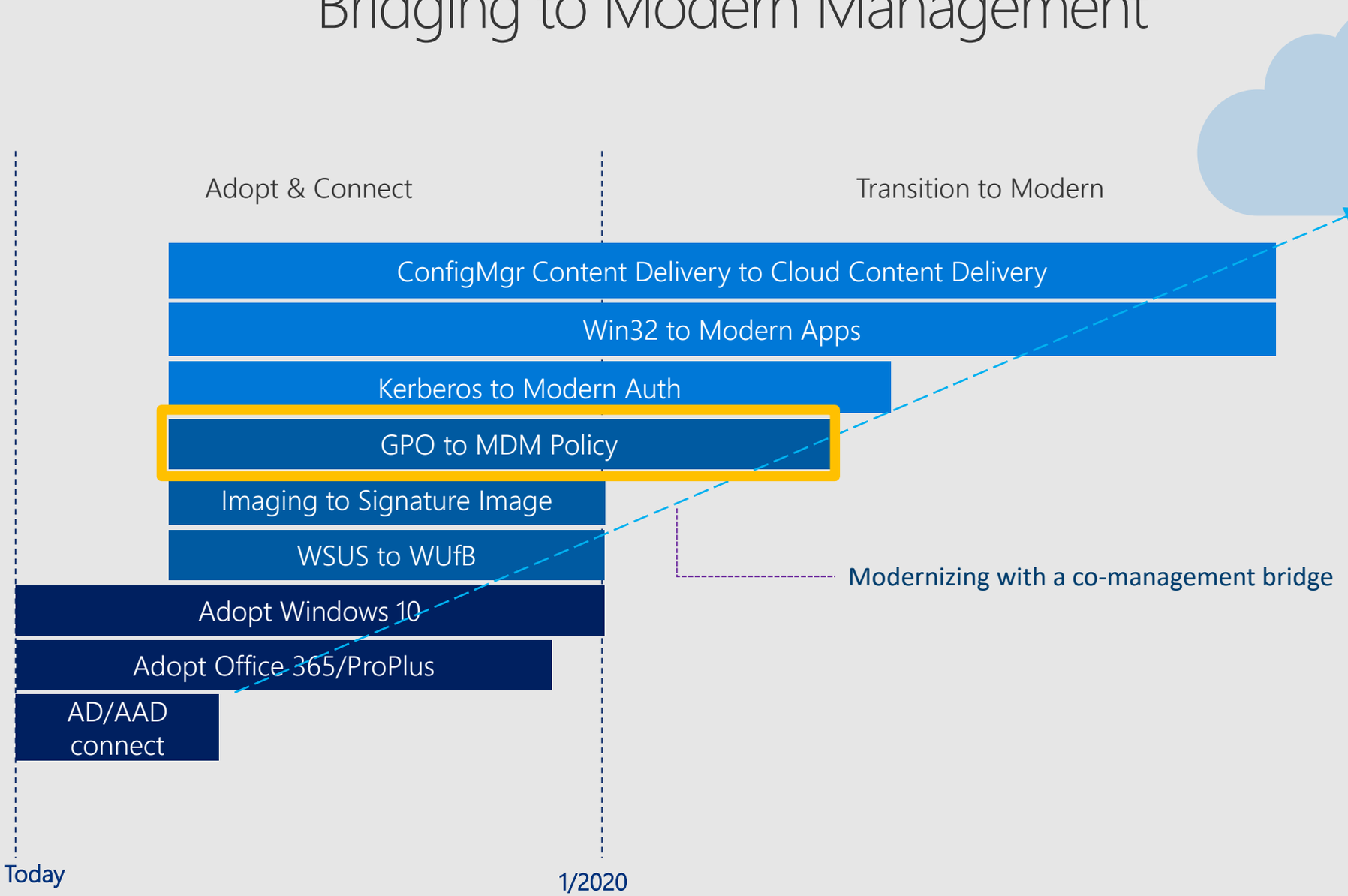
DEVICE NOT SYNCED 3

Co Management Requirements

Bridging to Modern Management

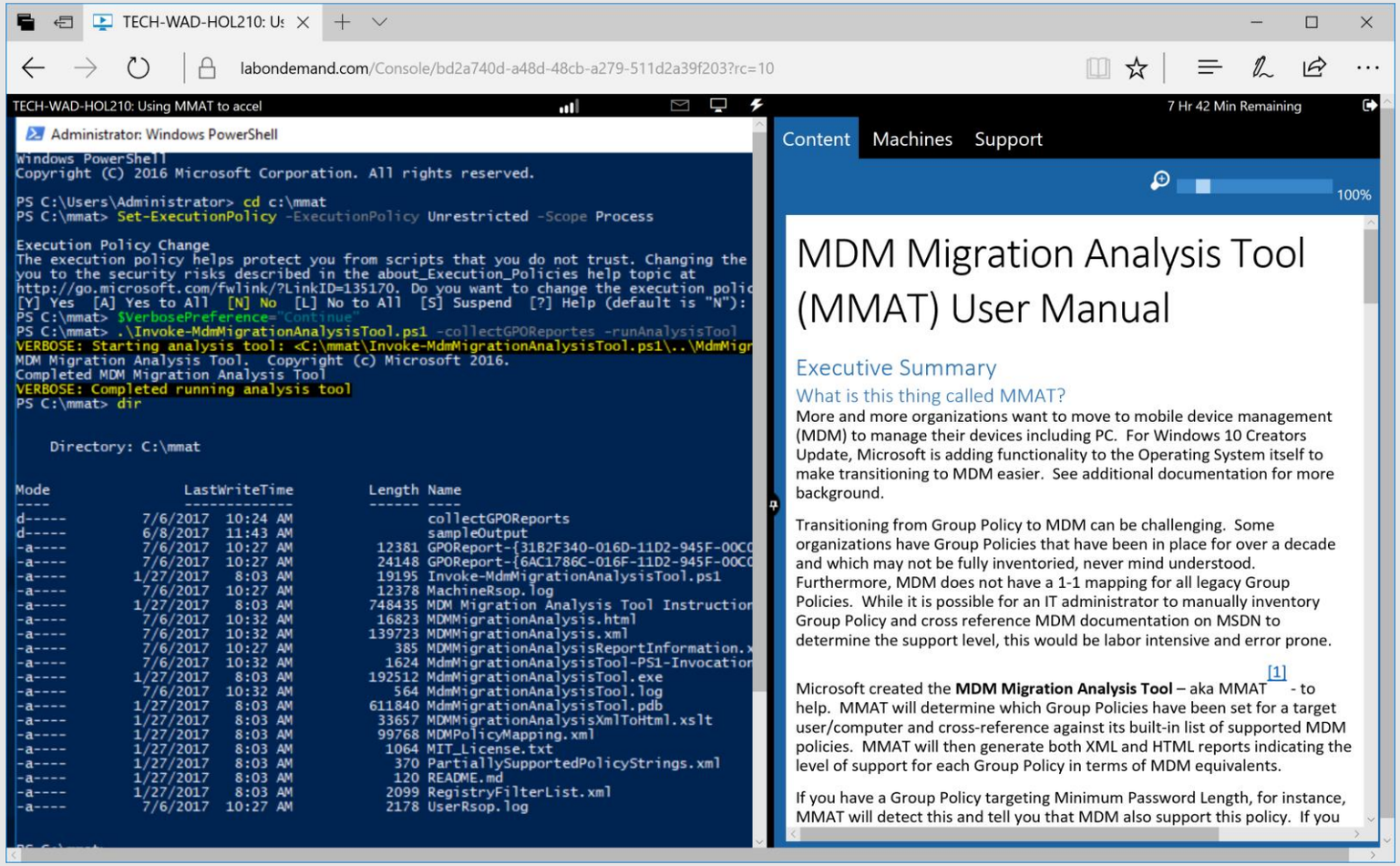


Bridging to Modern Management



MDM Migration Analysis Tool for IT Admins

- An easy-to-use tool which quickly shows you MDM support for the Group Policies your organization uses today.



Windows Security Baselines

Check out the 1703 MDM security baselines here:

https://aka.ms/mdm1703baselines

Microsoft | TechNet

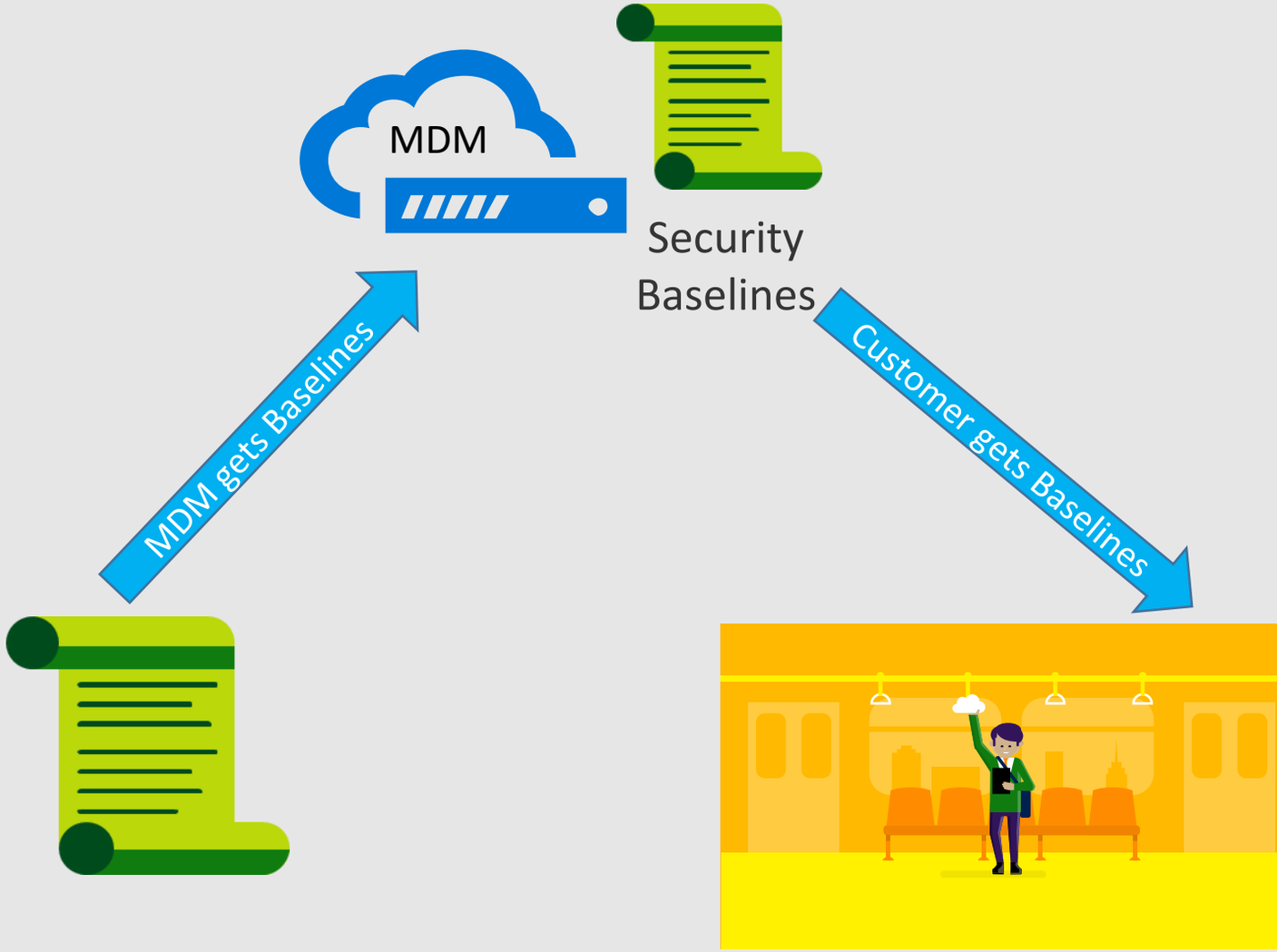
Microsoft Security Guidance blog

Security baseline for Windows 10 "Creators Update" (v1703) – DRAFT

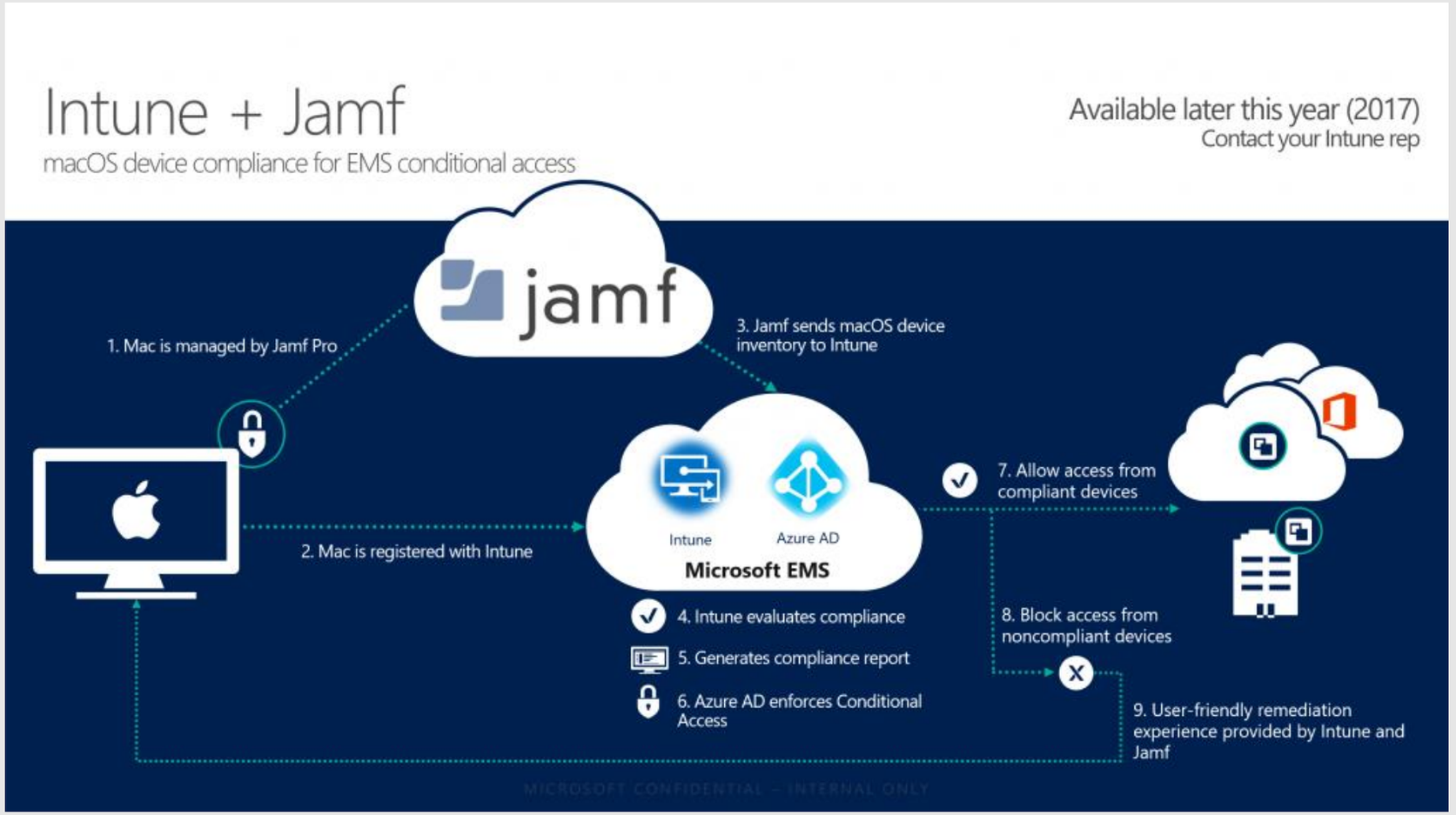
Mamta Kumar June 15, 2017 6

Microsoft is pleased to announce the *beta* release of the recommended security configuration baseline settings for Windows 10 "Creators Update," also known as version 1703, "Redstone 2," or RS2. Please evaluate this proposed baseline and send us your feedback via blog comments below.

Download the content here: Windows-10-RS2-Security-Baseline

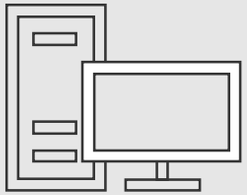


Whats new in Intune



https://docs.microsoft.com/en-us/intune/whats-new

Traditional vs. modern it



Traditional IT

Single Device

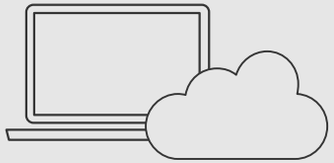
Business Owned

Corporate Network & Legacy Apps

Manual

Reactive

High-touch



Modern IT

Multiple Devices

User and Business Owned

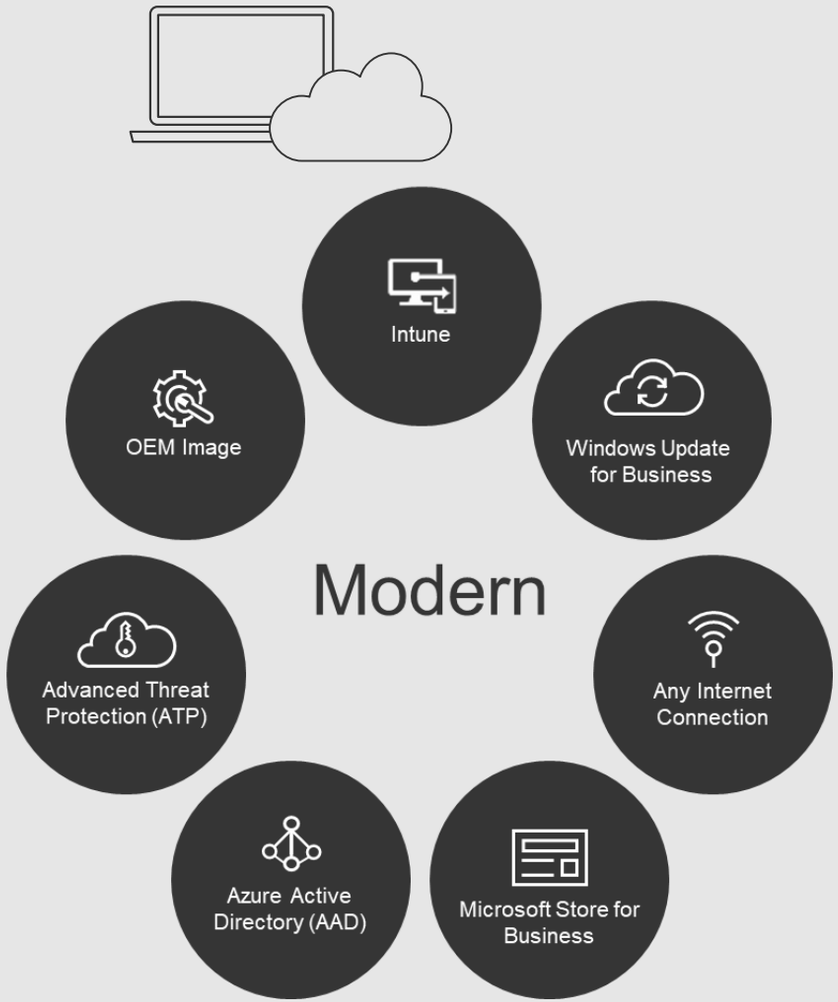
Cloud Managed & SaaS Apps

Automated

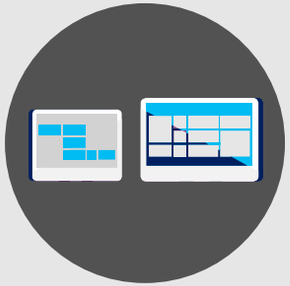
Proactive

Self-Service

Traditional vs. modern it – tools



challenges
moving to modern management



Feature gaps

The monolithic
"One Day" problem

Partner and home
grown solutions

Windows 7