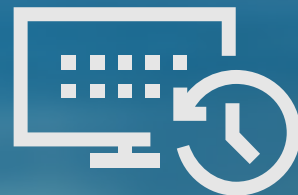Microsoft

Microsoft 365 Modern Desktop - Deployment

Sophie Chanialaki
Partner Technical Architect @ Microsoft CEE

Traditional on-prem

Active Directory

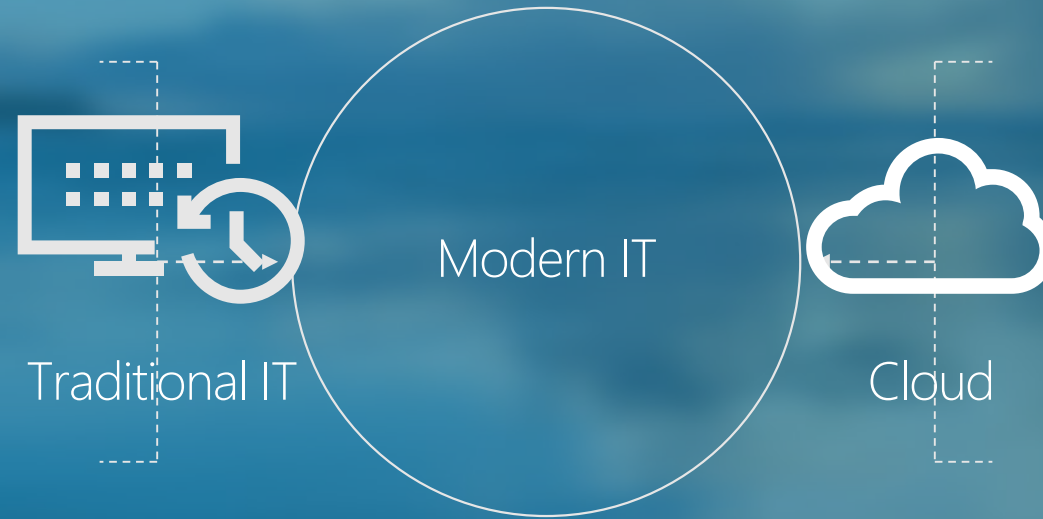Domain Join

Group Policy

System Center Configuration
Manager

Traditional on-prem   Cloud

Active Directory   Azure Active Directory

Domain Join   Azure AD Join

Group Policy   MDM Policies

System Center Configuration   Microsoft Intune
Manager   and other MDM

Traditional IT

Modern IT

Cloud

Windows 10 designed for modern IT
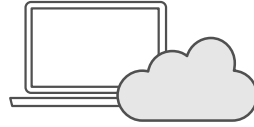
Microsoft 365 powered device

Intelligent security, built-in
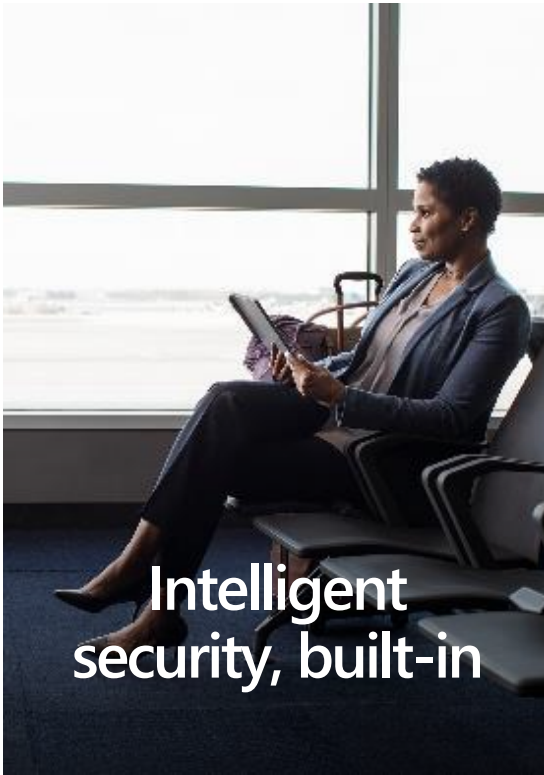
Easy to deploy and manage

Windows 10 & Office 365 ProPlus

Windows AutoPilot

Microsoft Store for Business

Microsoft Intune

Azure Active Directory

Always up to date

Proactive insights

* In Preview

Device & App Readiness

Directory & Network Readiness

User Comms & Training

People, Process & Technology Guidance

Office & LOB App Delivery

Windows- & Office-as-a-Service

Value Discovery & Business Case

OS Deployment & Feature Updates

User Files & Settings

Security & Compliance
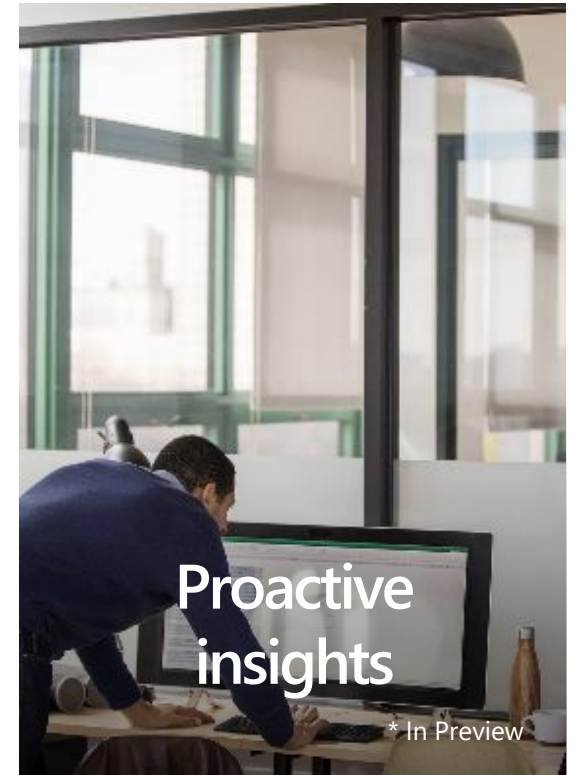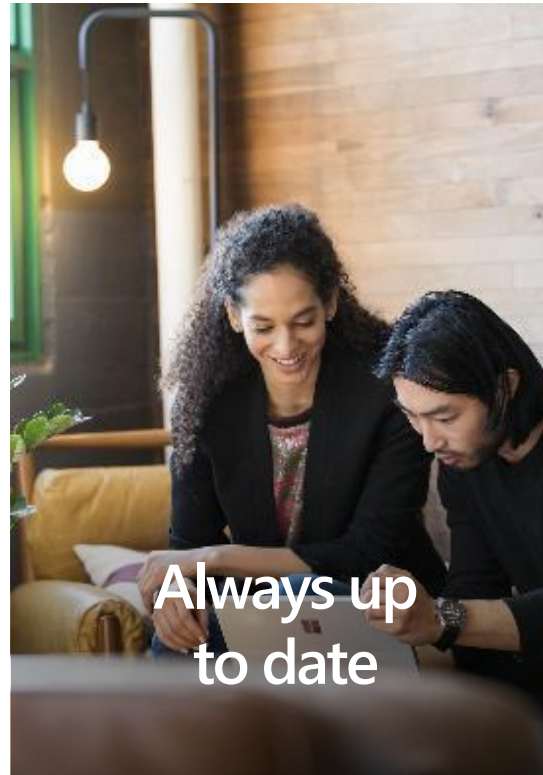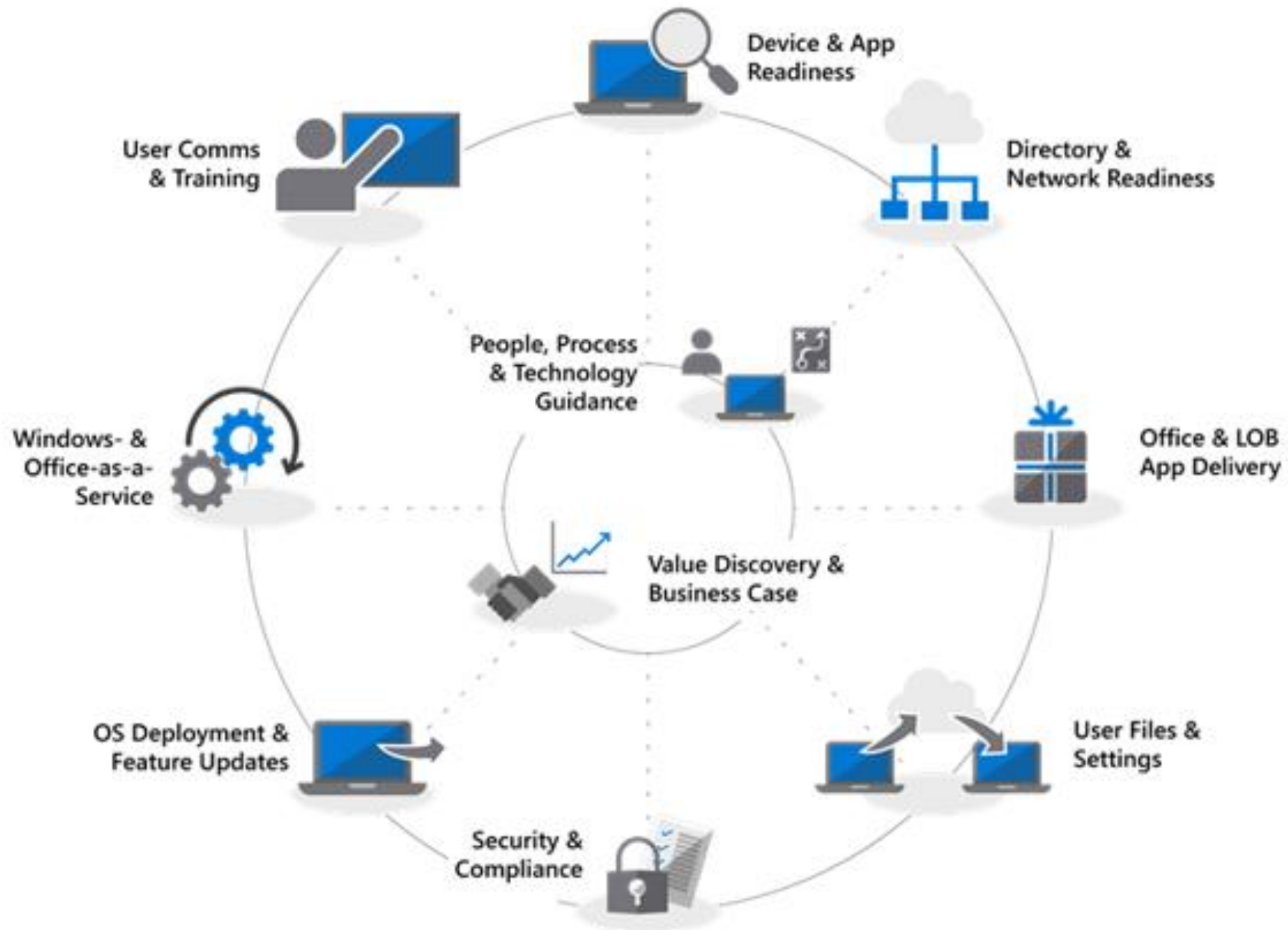
Phase 1: Networking

Phase 2: Identity

Phase 3: Windows 10 Enterprise

Phase 4: Office 365 ProPlus

Phase 5: Mobile device management

Phase 6: Information protection

Deployment steps

① Initial required set-up in admin portal

Acquire Subscription → Assign Microsoft 365 Business licenses to users

Set-up wizard or Device cards

Create policy to secure data

Create policy to secure PCs

Turn ON auto-deploy Office aps on PCs

② Prepare mobile devices

Download Office apps → Login with Microsoft 365 Business credentials

③ Prepare PCs

Case 1:
No Active Directory; Non domain joined device

Update PCs to Windows 10 Pro → Join device to Azure AD → Auto-deploy Office

Case 2:
With Active Directory; Non-domain joined device

Update PCs to Windows 10 Pro → Enable Azure AD Connect → Join device to Azure AD → Auto-deploy Office

Case 3:
With Active Directory; Domain joined device

Update PCs to Windows 10 Pro → Enable Azure AD Connect → Register domain-joined device to Azure AD → Run GPO to enroll device in Intune → Auto-deploy Office

WINDOWS 10: DEPLOYMENT CHOICES

EASY DEPLOYMENT

Transform new devices so they are ready for productive use

No imaging required: Lower effort and lower cost

UPGRADE

Existing Windows 7 and 8.1 devices migrated to Windows 10

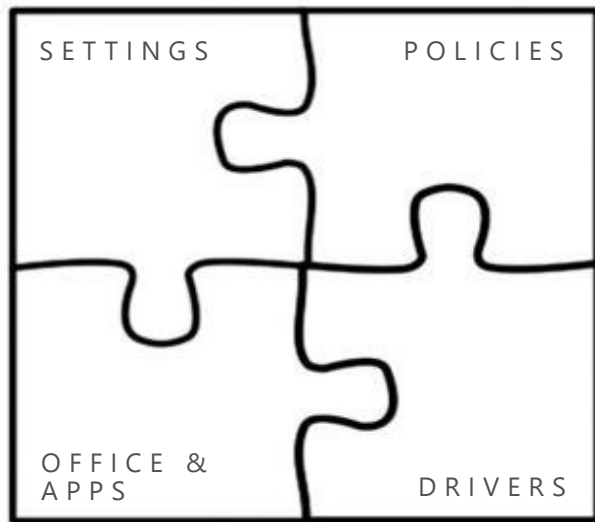Let Windows do all the work, automatically migrating apps, data, and settings

TRADITIONAL

Image-based wipe-and-reload approach for moving from Windows 7 and 8.1 to Windows 10

Higher effort and cost, but necessary in some scenarios

Easy Deployment

TRADITIONAL DEPLOYMENT:
THE OLD WAY

SETTINGS	POLICIES
OFFICE & APPS	DRIVERS

+

=

Time

Money

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

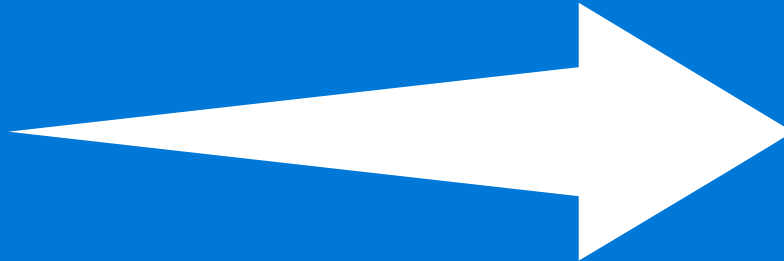2. Deploy image to a new computer, overwriting what was originally on it

MODERN DEPLOYMENT:
THE NEW WAY

1. Un-box and turn on off-the-shelf Windows PC

2. Transform with little or no user interaction

Device is ready for productive use

INTRODUCING THE
WINDOWS AUTOPILOT DEPLOYMENT PROGRAM
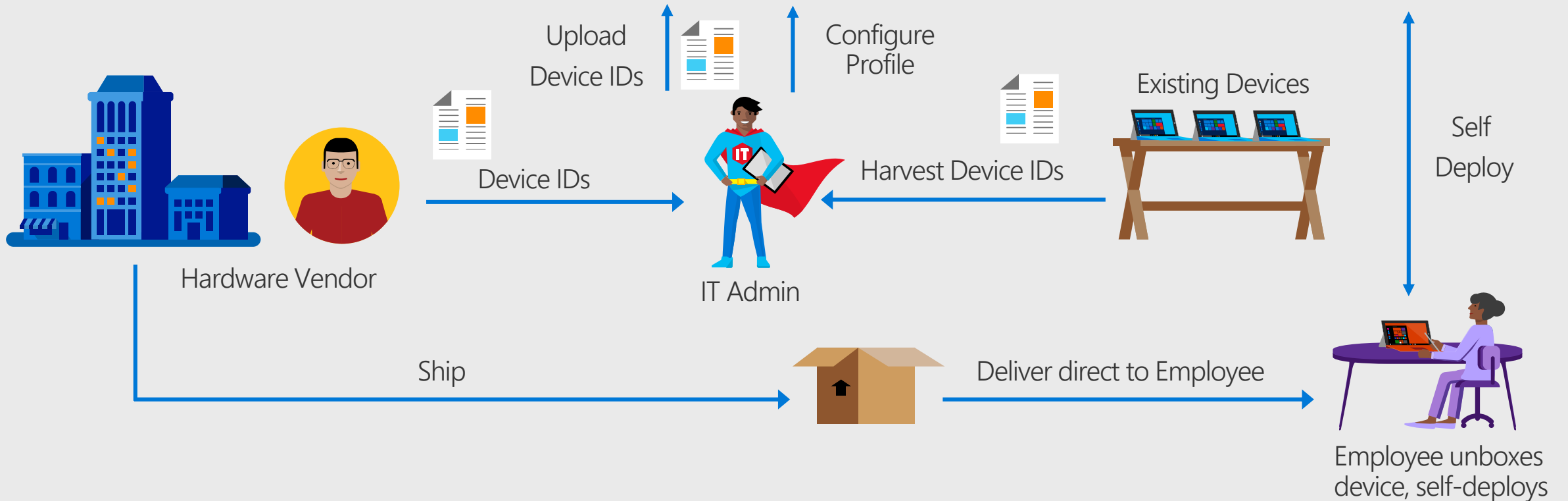
Cloud-Driven

The golden path:

- No need for IT to touch the devices
- Simple process for users
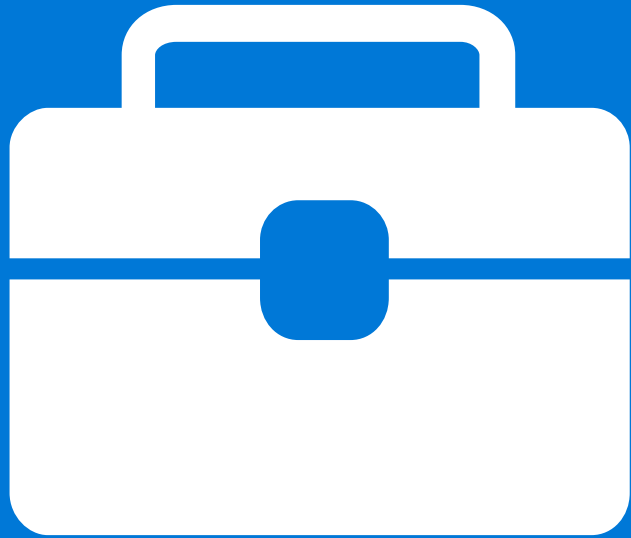- Integration in the supply chain

Key technologies:

- Windows AutoPilot deployment service
- Azure Active Directory
- Microsoft Intune
- Office 365 ProPlus

INTRODUCING THE
WINDOWS AUTOPILOT DEPLOYMENT PROGRAM

Windows AutoPilot Deployment Service

Upload Device IDs

Configure Profile

Existing Devices

Device IDs

Harvest Device IDs

Self Deploy

Hardware Vendor

IT Admin

Ship

Deliver direct to Employee

Employee unboxes device, self-deploys

INTRODUCING THE
WINDOWS CONFIGURATION DESIGNER

For IT-driven scenarios:

- Bulk device provisioning
- Full configuration prior to users receiving the device
- No cloud requirements
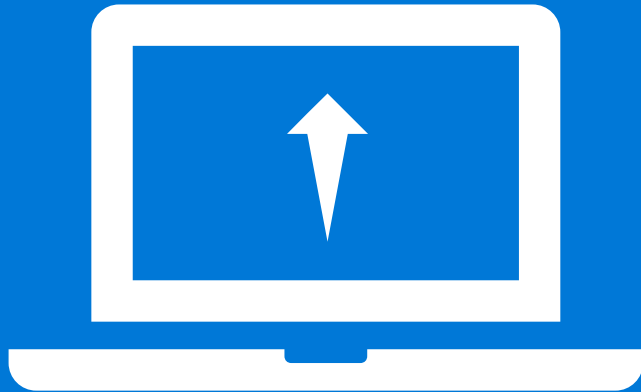- Still image-free transformation

Key technologies:

- Windows Configuration Designer

IT-Driven

Supporting features

INTRODUCING
# WINDOWS 10 SUBSCRIPTION ACTIVATION

Step up to Windows 10 Enterprise

- Leverages Azure Active Directory for license management, assignment to users
- When the user signs on to a Windows 10 Pro device, it becomes Windows 10 Enterprise automatically
- If the license is removed, the device will return to Windows 10 Pro
- Available to all with Windows 10 Enterprise E3/E5, Microsoft 365 Enterprise subscriptions (EA, MPSA, and CSP)

INTRODUCING
WINDOWS 10 AUTOMATIC REDEPLOYMENT

## Simple process to prepare a device for a different purpose:
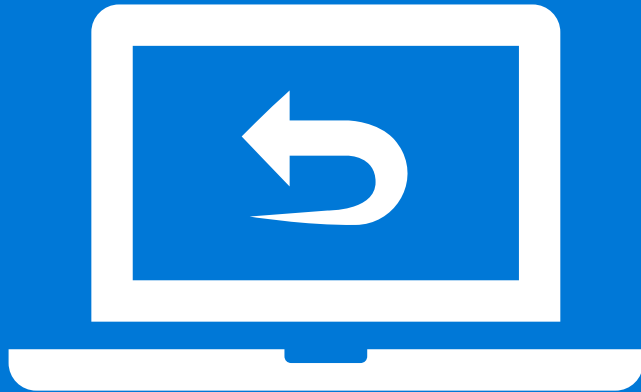
- Remove all apps, settings, and personal files
- Preserve Azure Active Directory join and MDM enrollment so the device is still managed
- Preserves provisioning packages
- Keeps keyboard, language, wi-fi settings
- Initiated by an admin via a simple Windows-Control-R keystroke from logon screen
- Takes 20-30 minutes to complete on typical hardware

Upgrade

FROM WINDOWS 7 TO WINDOWS 10
USING IN-PLACE UPGRADE
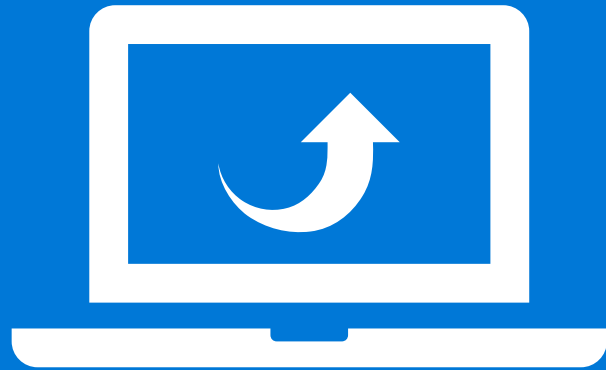
Let Windows do the work:

- Recommend for all organizations
- Installs a clean Windows 10 image
- Automatically migrates all existing apps, settings, data, and needed drivers
- Reliable, with bulletproof rollback

Supported by key tools:

- Windows Server Update Services (WSUS)
- System Center Configuration Manager
- Microsoft Deployment Toolkit
- Third-party management tools

Windows as a
Service

Improving Productivity with Windows 10

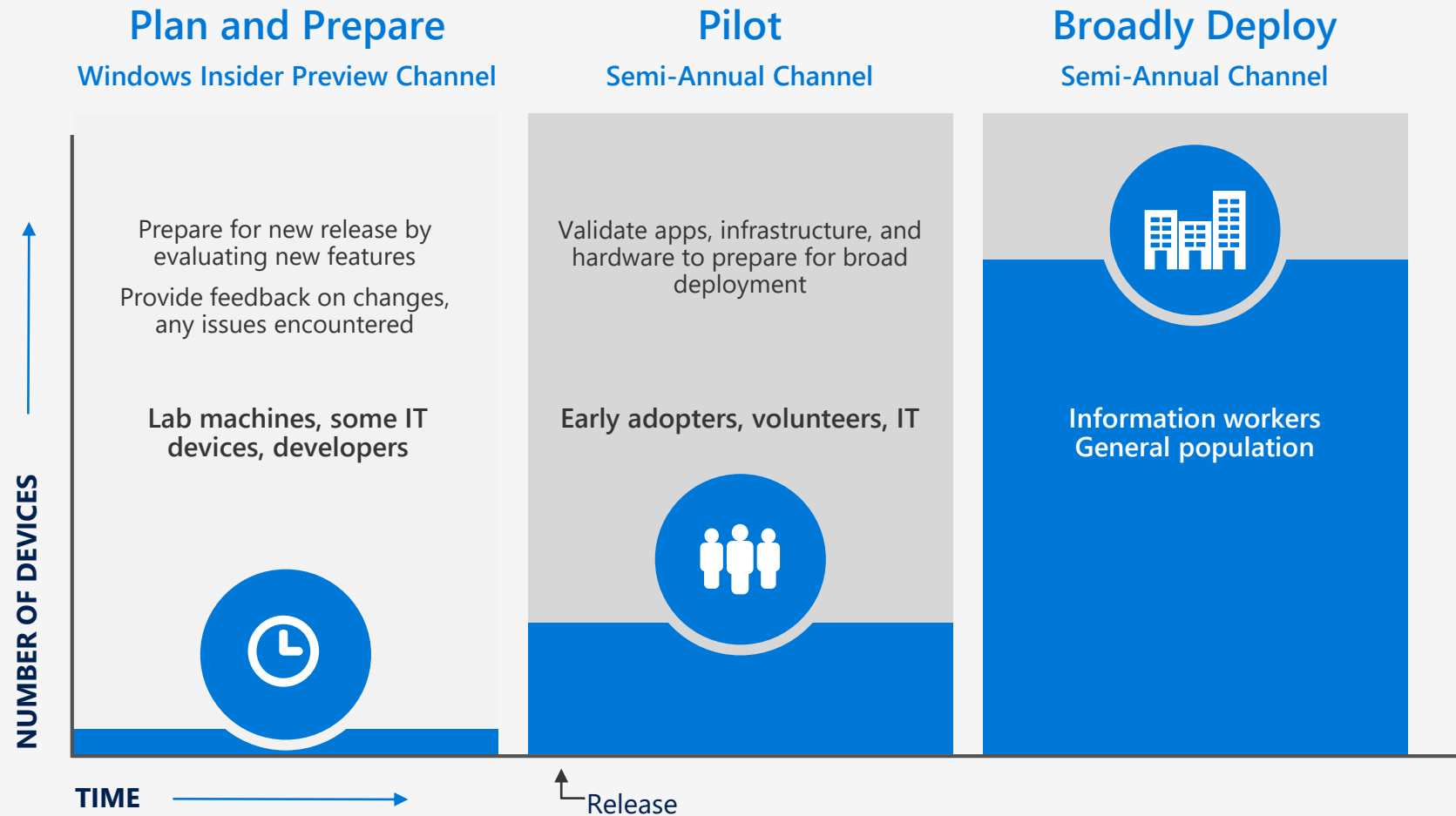Windows XP   Windows 7   Windows 10

— Disruption   — Improvements
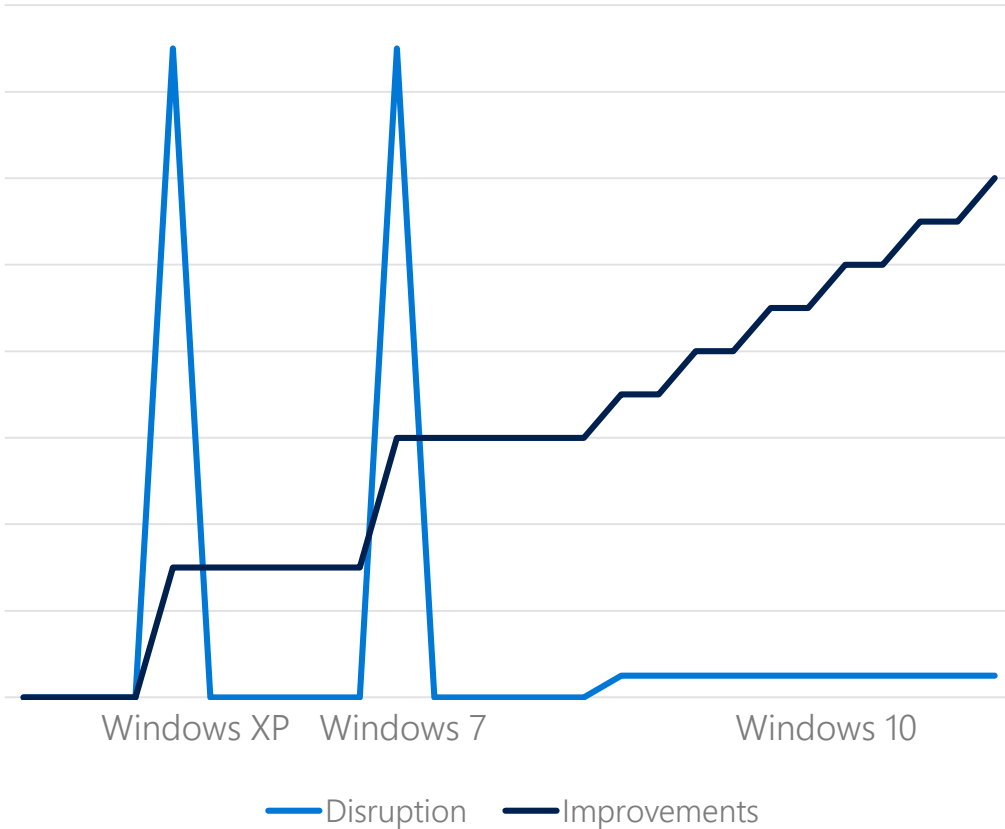
Continual improvements: New features twice per year, adding value and improving productivity

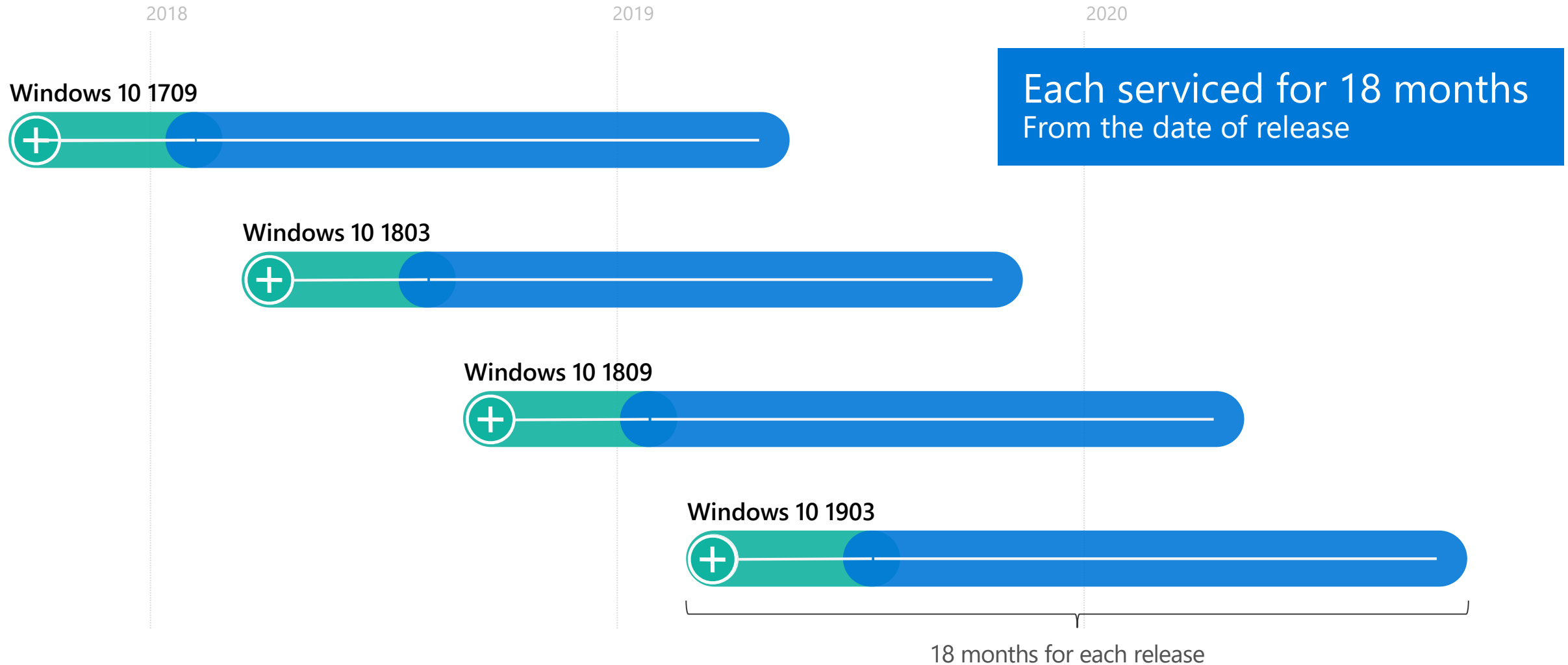Minimized end-user disruption by having less change with each release

Windows as a service
Moving from project to process

Plan and Prepare
Windows Insider Preview Channel

Pilot
Semi-Annual Channel

Broadly Deploy
Semi-Annual Channel

Prepare for new release by evaluating new features

Provide feedback on changes, any issues encountered

Lab machines, some IT devices, developers

Validate apps, infrastructure, and hardware to prepare for broad deployment

Early adopters, volunteers, IT

Information workers General population

NUMBER OF DEVICES

TIME

Release

Staying Current
Key things to know about Windows as a Service

2018   2019   2020

Windows 10 1709

Windows 10 1803

Windows 10 1809

Windows 10 1903

Each serviced for 18 months
From the date of release

18 months for each release

Staying Current
Key things to know about Windows as a Service

2018   2019   2020

Windows 10 1709

Aligned with Office
For simpler deployment planning

Office 365 ProPlus 1708

Windows 10 1803

Office 365 ProPlus 1802

Windows 10 1809

Office 365 ProPlus 1808

PROACTIVE INSIGHTS WITH
WINDOWS ANALYTICS