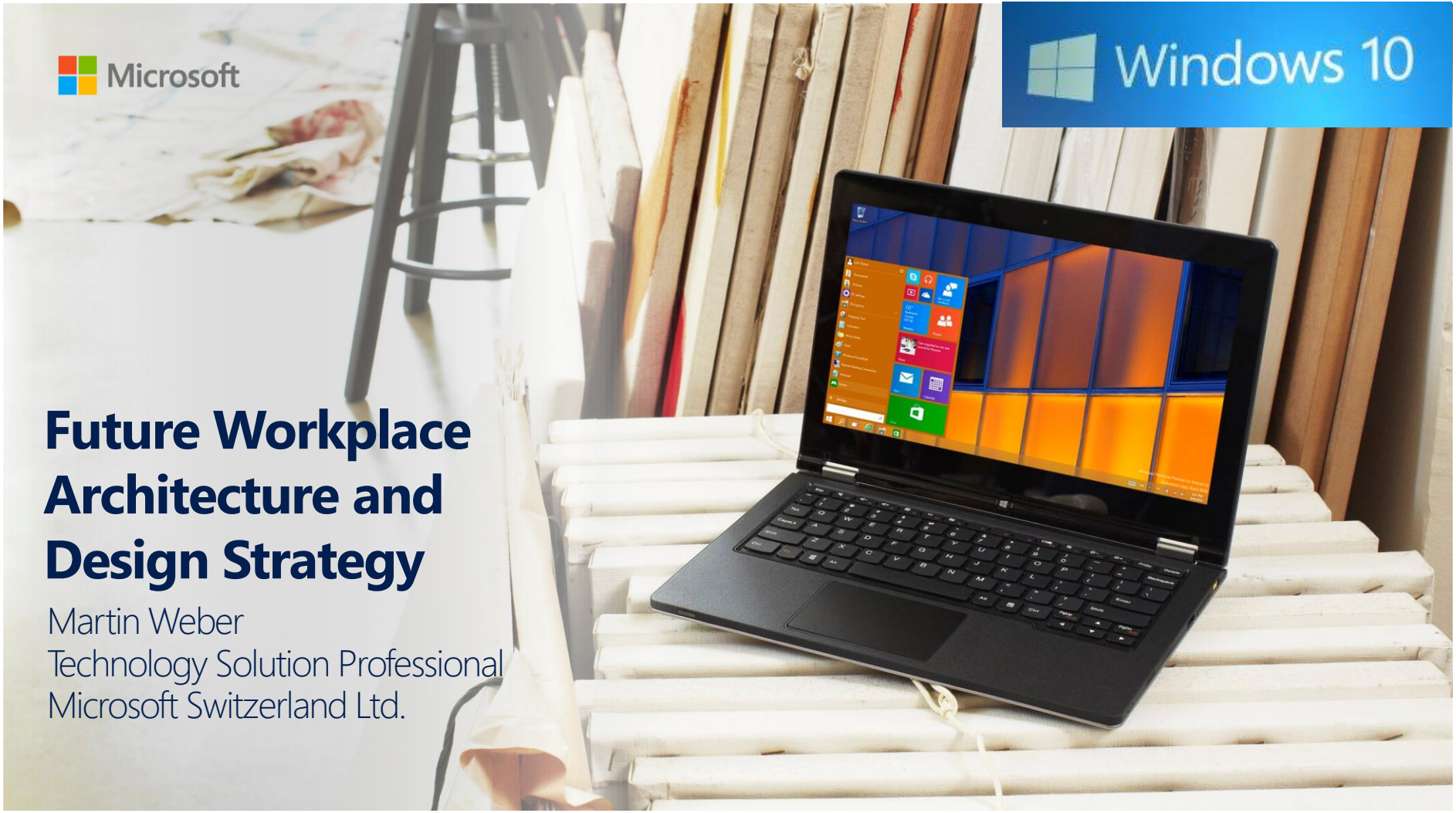
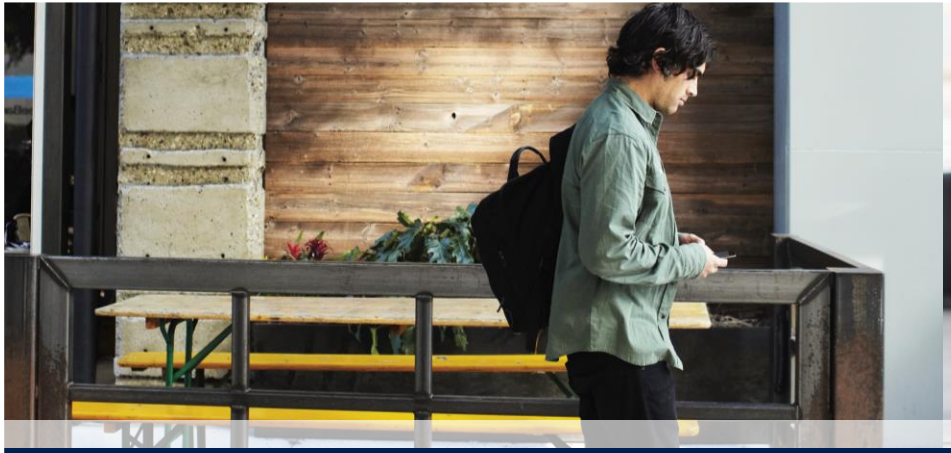
Microsoft

Windows 10

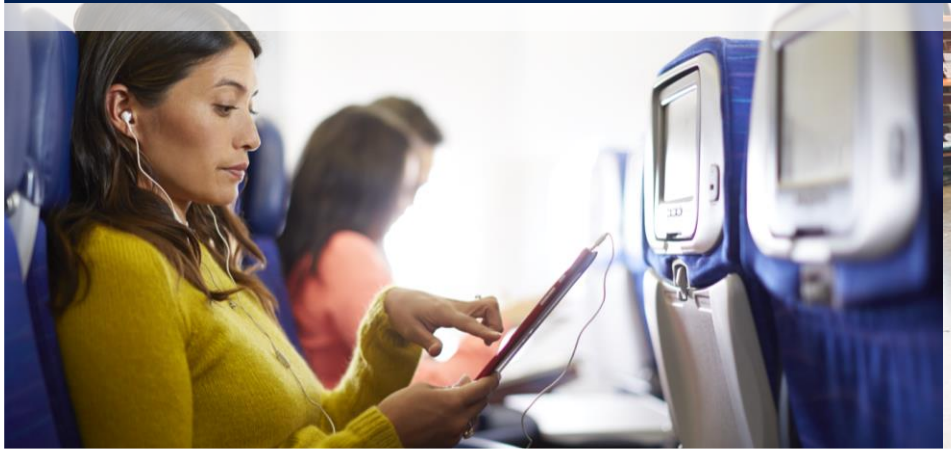


Future Workplace Architecture and Design Strategy

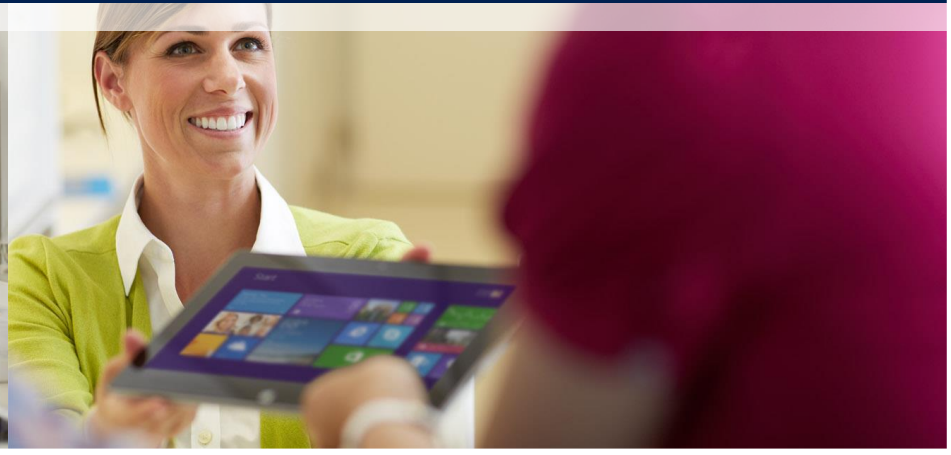
Martin Weber
Technology Solution Professional
Microsoft Switzerland Ltd.



WE ALL KNOW THE WORLD IS CHANGING…



…ENABLING A WORLD OF OPPORTUINTIES



Die neue Windows 10 Ausrichtung

„Windows 10 ist nicht nur eine neue Version, es ist der Anfang einer neuen Generation...“

Windows 10 ist essentieller Bestandteil der „Cloud First, Mobile First“ Strategie...

ONE WINDOWS

Phone

Phablet

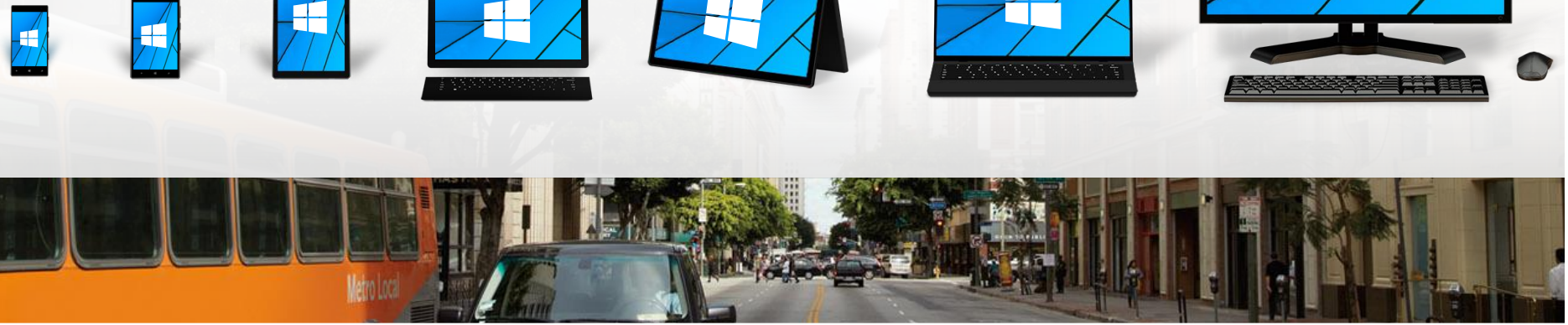
Small Tablet

Large Tablet

2-in-1s (Tablet or Laptop)

Classic Laptop

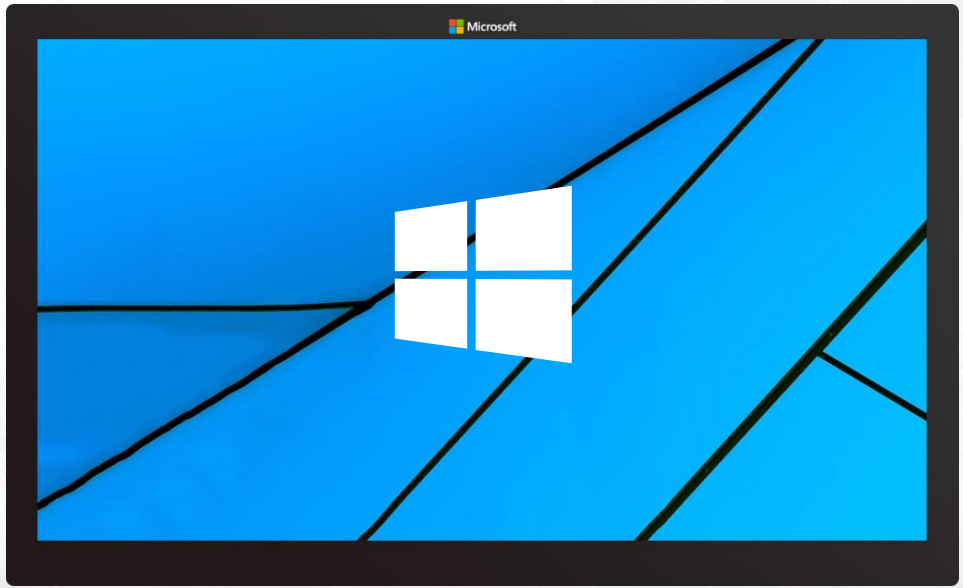
Desktops & All-in-Ones



ONE WINDOWS

Internet of Things

Xbox



PPI

WINDOWS FOR ENTERPRISE

One universal app platform

One security model

One management system

One deployment approach

One familiar experience

The Windows 10 Insider Program

https://insider.windows.com/ Home page - Windows Insi...

Windows

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Help us shape the future of Windows

With the Windows Insider Program, you'll get all the latest Windows 10 preview builds as soon as they're available. This means you'll be one of the first to experience the new ideas and concepts we're building.

In return, we want to know what you think. You'll get an easy-to-use app to give us your feedback, which will help guide us along the way.

This program is designed exclusively for people who want be involved in the process. So if you want to help us build the best Windows yet, we want you to join us.

Join now

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The Windows 10 Insider Program

Windows

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Windows 10 Information

Windows Insider Program
http://PreView.Windows.com

Windows 10 Blog
http://Blogs.Windows.com/

Introducing Windows 10 for Business
http://Blogs.Windows.com/business/2014/09/30/introducing-windows-10-for-business/

Windows

Windows 10 Insiders: New Build

- New build available for Windows Insiders (November 12th)
  - http://blogs.windows.com/bloggingwindows/2014/11/12/new-build-available-to-the-windows-insider-program/

New build available to the Windows Insider Program

November 12, 2014 by Gabe Aul // PC // 63 Comments

110 316 38

Hi everyone, I'm excited to share the news that we're rolling out our next build update to the "Fast" ring of the Windows Insider Program – Build 9879! Once again this build has a ton of changes, some noteworthy new features, and a few gotchas to be aware of. It also has a number of things that YOU have influenced directly with your problem reports and suggestions. Thanks!

Windows

Windows and «The Internet of Things«

- Run on low cost hardware
- Connect to Azure and the Microsoft Azure Intelligent Systems service
- Build and deploy apps using the same tools and code as PCs, phones and other industry devices
- Secured and managed alongside PCs, Tablets, and Industry Devices
- Run headless or with basic UI

Windows 10 Feature Overview

Start Menu / User Interface

Platform Unification

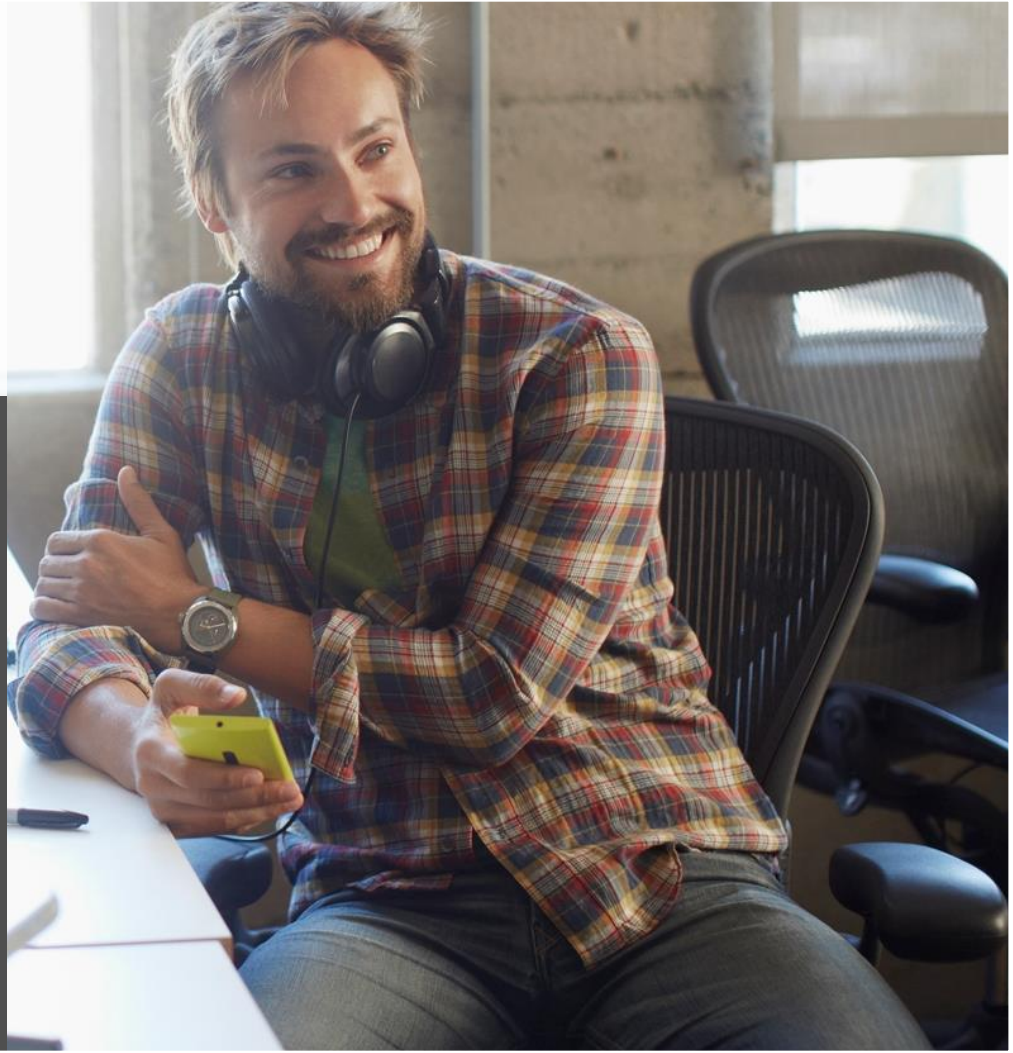
One Consistent Windows

Converged App Store

Advanced Security Features

Mobile Device Management

…and many, many more…! ☺



Windows 10: New Features

- Modern & Traditional User Interface Experience
  - New Start-Menu supporting Modern Apps
  - Modern Apps are feeling natural // side-by-side of Modern Apps on Desktop
  - New Snap Capabilities
  - Search Integration into Start Menu
- «Platform Unification» One Windows for all purposes
  - Desktop / Notebook Devices
  - Tablet Devices & Convertibles
  - Phone Devices
  - Gaming Devices aka «XBOX ONE»
  - «Internet of Things« Devices

Windows Client Technologies Roadmap

- One consistent Security, Management and Deployment Model
  - One single, consistent security, management and deployment model across a dizzying variety of device types
  - Platform Unification for all devices from IoT to the XBOX to very large PPI displays
- «Universal App Platform«
  - Sandboxing security, management, seamless and automatic updating across all Windows Platforms (IoT - XBOX - to very large PPI)
- «Converged App Store« for all Windows Platforms
  - One Store for all Platforms

Windows 10: New Features

- Pervasive Security Improvements
  - Businesses can use **Azure Active Directory (AAD)** instead of Microsoft Accounts
  - Integrate **multi-factor authentication (MFA)** more deeply into the platform
  - **Information protection**: seamlessly separating personal and corporate data
    - on any device, including those devices that are owned by users (BYOD)
  - **Secure Remote Access (SRAS)** aka «Direct Access» and traditional VPN

- MDM is now a «First-Class« Management Citizen
  - Yes, Businesses can still use Active Directory and Group Policy to manage the existing PC infrastructure.
  - But modern PCs and other devices—tablets, phones, whatever—can be managed entirely through simpler MDM solutions like Microsoft Intune, System Center or third party offerings.

Windows 10: New Features

- New Store Capabilities
  - New App Store for Enterprises
  - New App Management Capabilities for Enterprises
  - Enterprise billing / buying capabilities (license reclaim/reuse)
    - Accommodates Volume app purchasing and flexible distribution rules
- New Notification Center
- Great Hardware & Application Compatibility
  - Windows 10 will run any application that runs on Windows 7 or Windows 8.x

Windows 10: New Features

- Totally great Performance today…! (e.g. File Copy Performance!)
- New Virtual Desktop Capabilities
- .cmd Prompt supports now Ctrl-V
- New Migration Scenarios
  - Windows 7 Support for direct Migration onto Windows 10! ☺

PROTECTION AGAINST MODERN SECURITY THREATS

Secure Identities

Information Protection

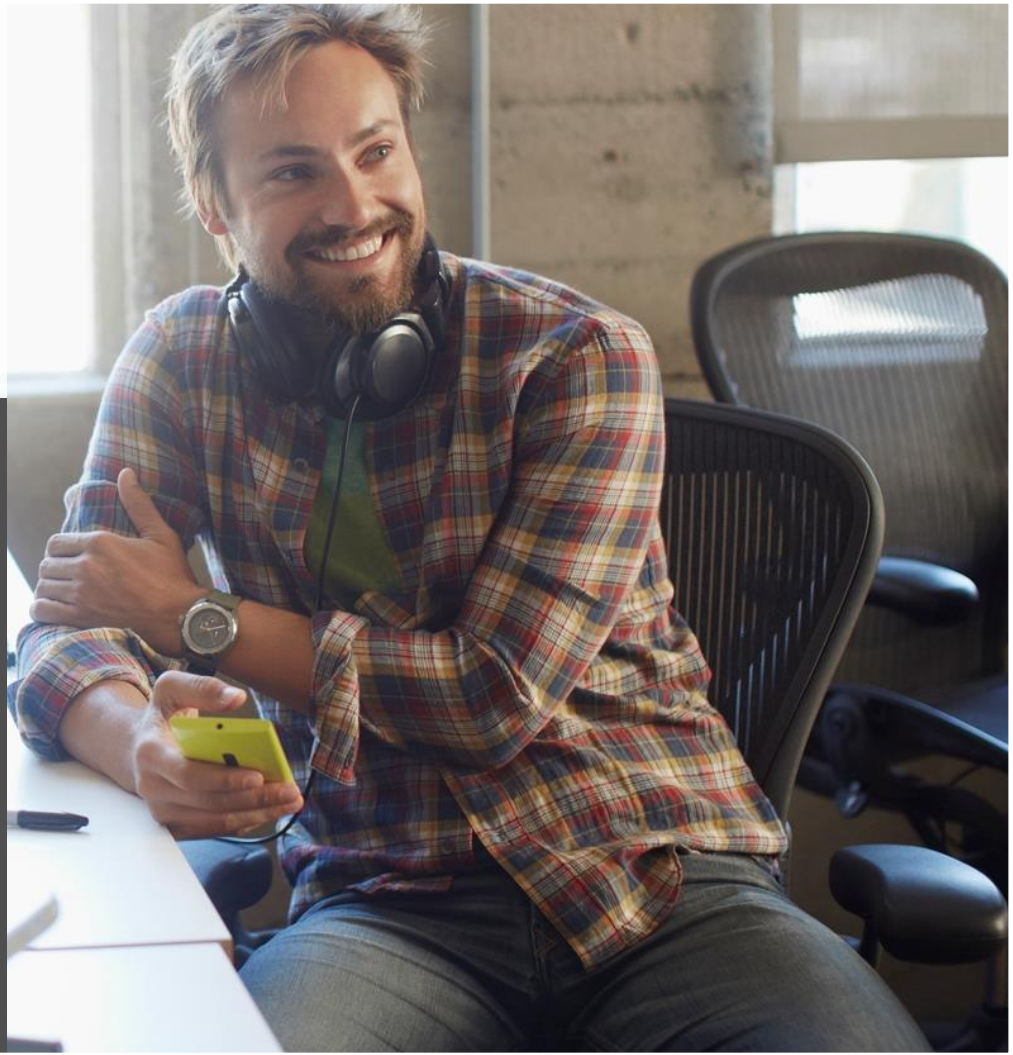
Secure Remote Access

Azure AD (AAD): First Class Citizen for Identities

Use Azure AD to sign-into devices, and the Windows store, no Microsoft Account needed

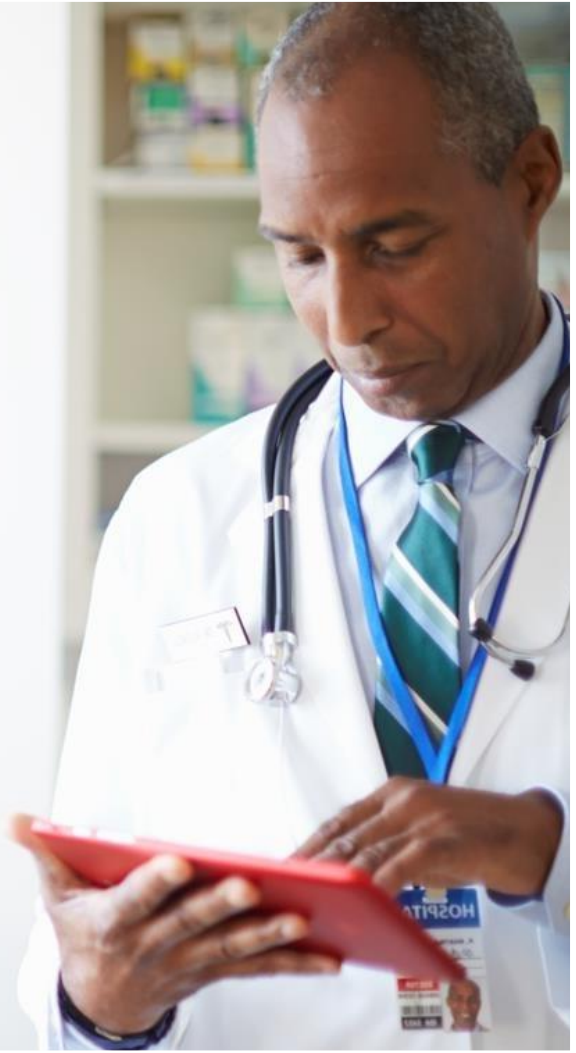
Azure AD is a comprehensive identity and access management solution for the cloud

Azure AD connects to your existing Active Directory



NextGen User Credentials

- Easy to deploy two factor Password alternative
- Breach, theft, and phishing resistant credentials
- Single sign-on experience
- Convenience with security



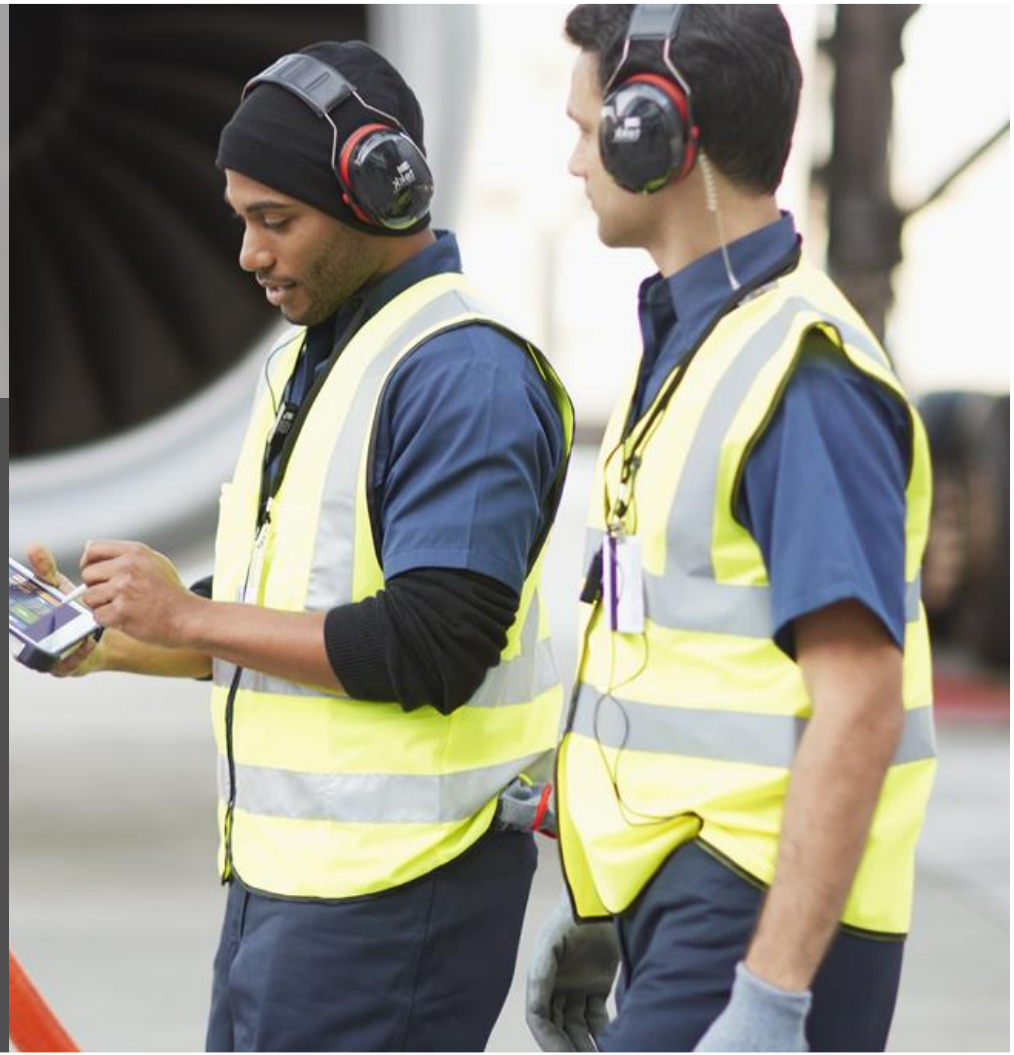
Enterprise Data Protection

User friendly corporate / personal data separation and containment

Enabling data protection wherever the your data is

Ensures only trusted apps can access your data

Protection for mobile and the desktop



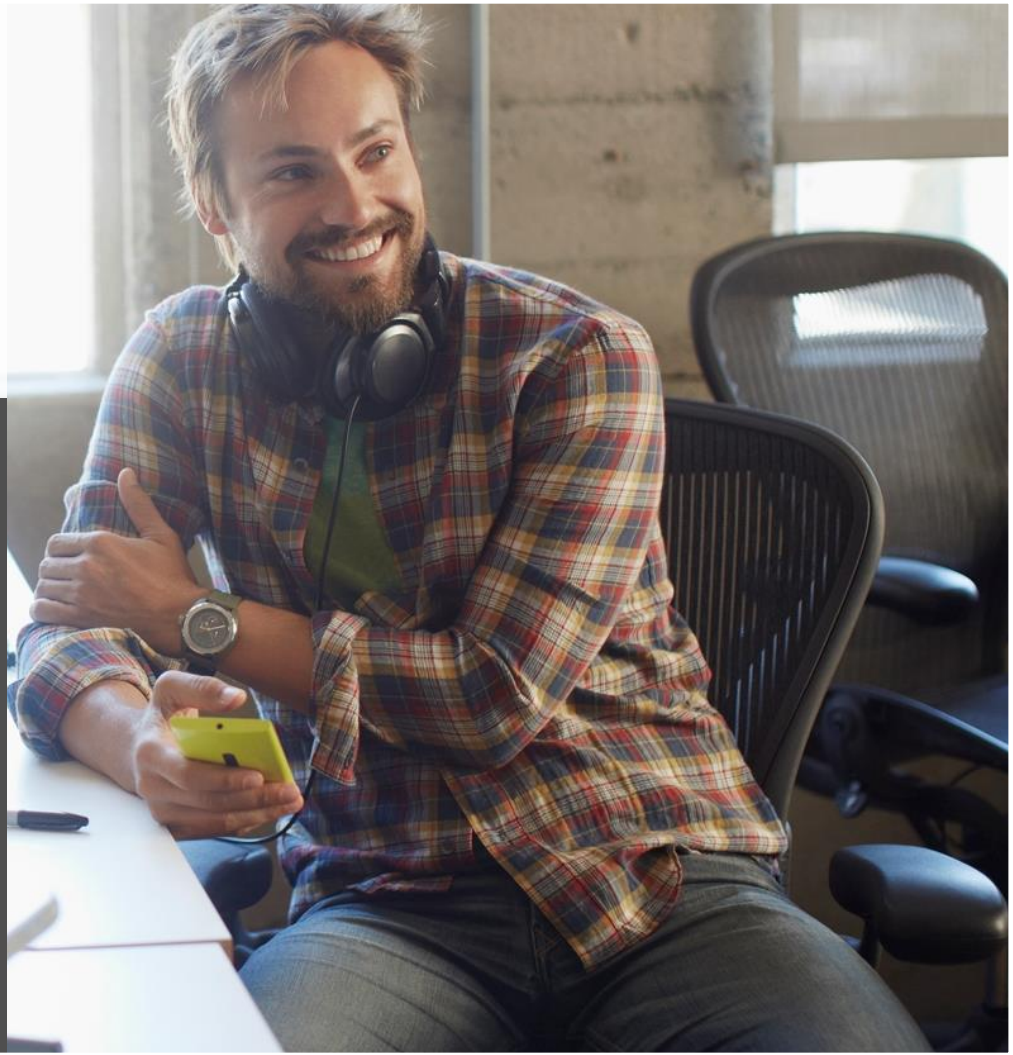
Anytime, Anywhere Remote Access

- Application specific VPN access
- Always-on connectivity
- Integrated experience across devices
- Expanded manageability options
- Available for 3rd party VPN providers
- Store based app distribution

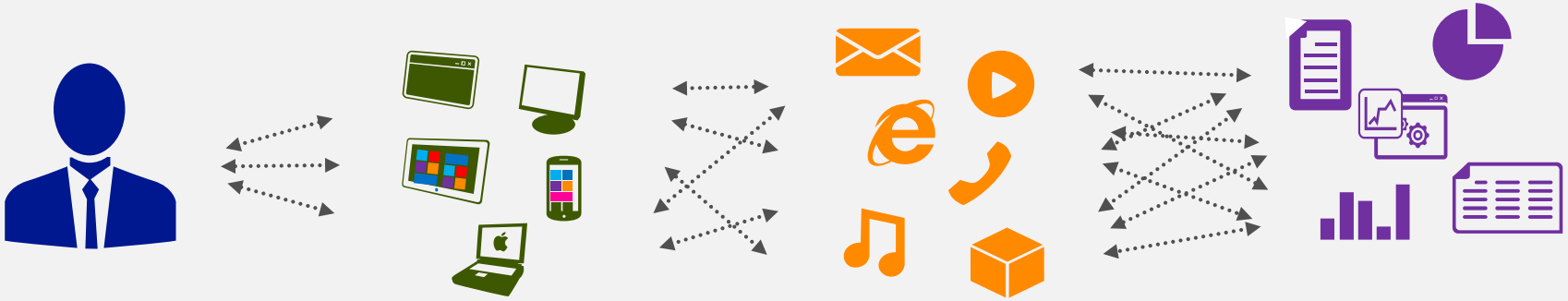
Enterprise Mobility Suite (EMS) Overview

Customers are looking for more flexible, cost effective and manageable solutions to fulfill their users mobility and business needs anywhere, anytime and on any device…!

The Enterprise Mobility Suite (EMS) is Microsoft's answer to all these challenges…!



Today's BIG IT Challenges



Users

Users expect to be able to work in any location and have access to all their work resources.

Devices

The explosion of devices has eradicated the standards-based approach to corporate IT.

Apps

Deploying and managing apps across personal and organization-owned devices is difficult.

Data

Enabling users to be productive while maintaining compliance and reducing risk.

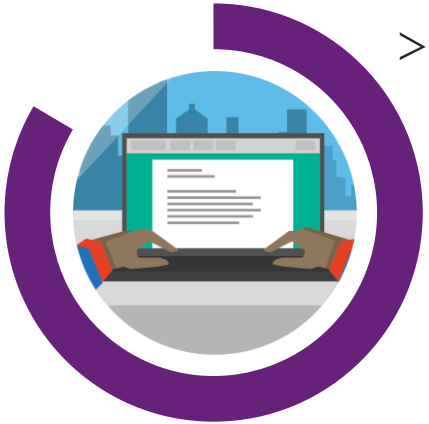
Mobility is the «New Normal«

52%

52% of information workers across 17 countries report **using three or more devices for work**

90%

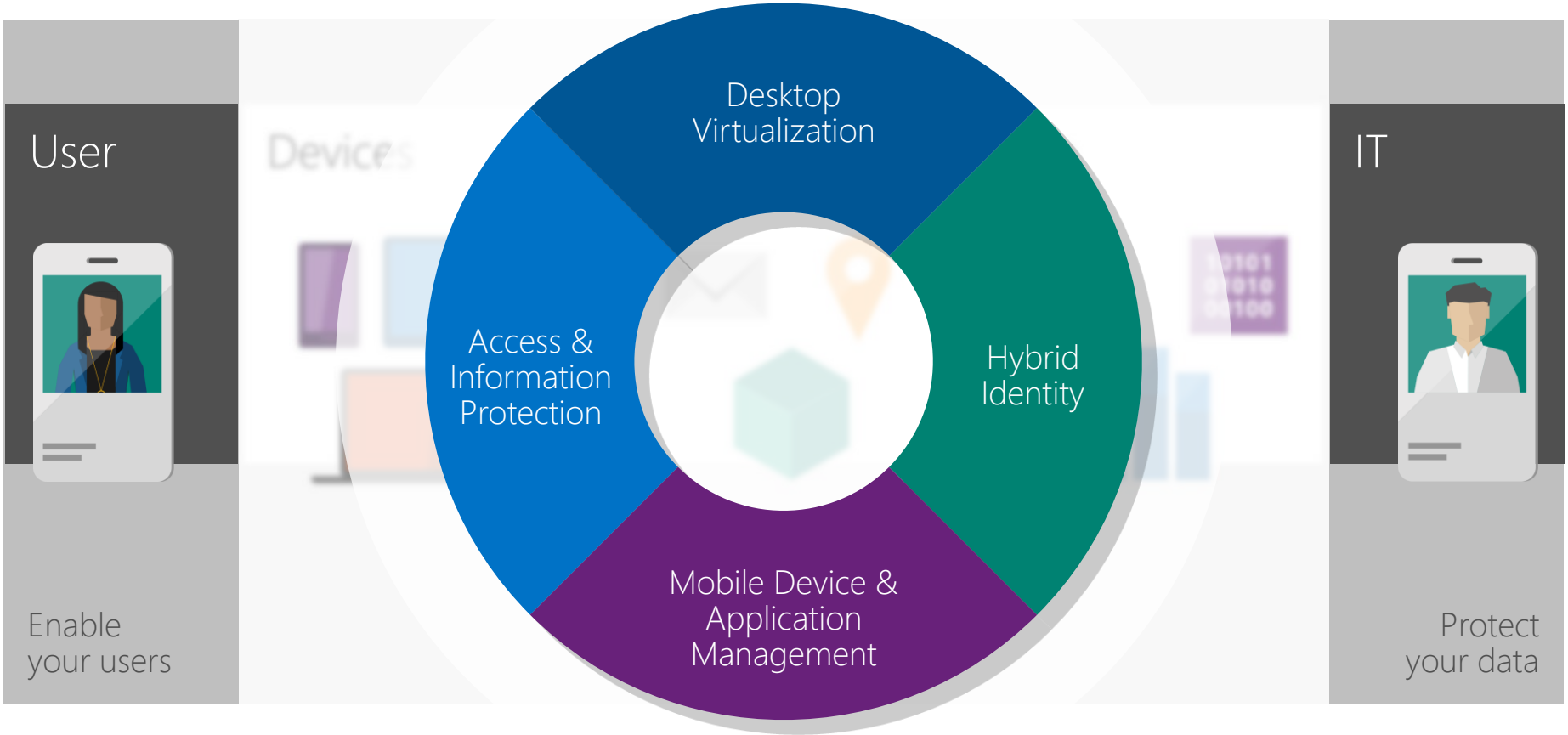
90% of enterprises will have **two or more mobile operating systems to support in 2017**



>80%

>80% of employees admit to **using non-approved software-as-a-service (SaaS) applications** in their jobs

Empowering Enterprise Mobility



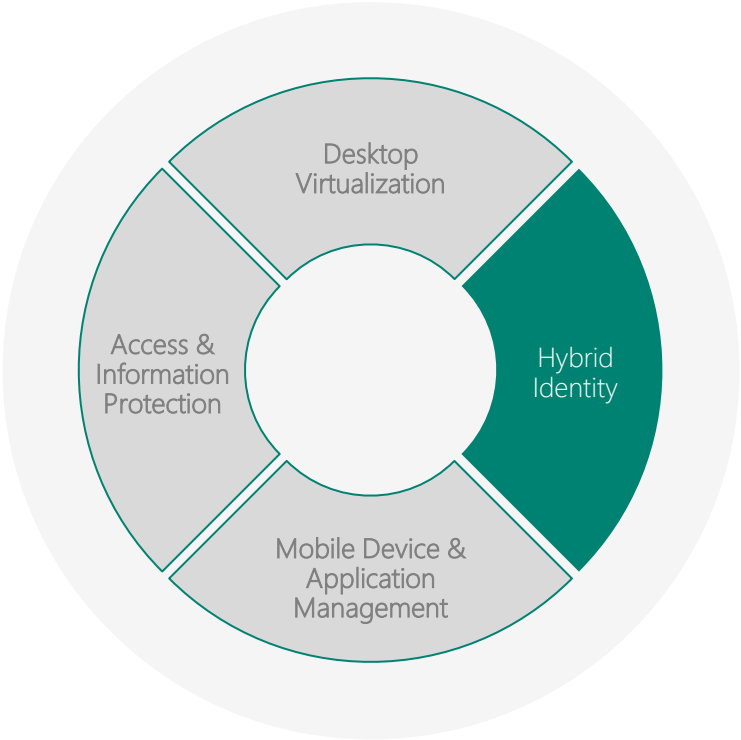
What is the Enterprise Mobility Suite (EMS)?

Hybrid identity	Microsoft Azure Active Directory Premium		
	security reports, and audit reports, multi-factor authentication	Self-service password reset and group management	Connection between Active Directory and Azure Active Directory
Mobile device management	Microsoft Intune		
	Mobile device settings management	Mobile application management	Selective wipe
Access & Information protection	Microsoft Azure Rights Management service		
	Information protection	Connection to on-premises assets	Bring your own key

Enterprise Agreement (EA) prices starting at $4 per user per month

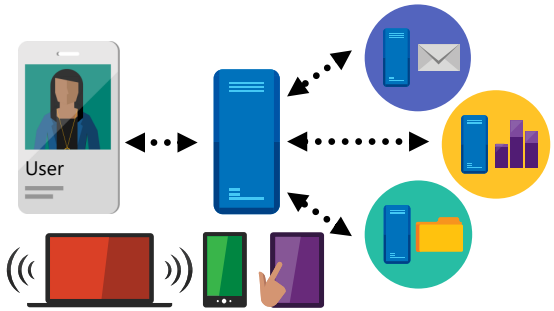
Limited time EA Level A promotion pricing. Requires 250 seat minimum purchase and underlying CAL Suite license (Core CAL Suite and Enterprise CAL Suite)

One User. One Identity. Everywhere.



- Single sign-on
- Self-service experiences
- Common identity
- Conditional access
- Software as a Service (SaaS) Applications

Hybrid Identity

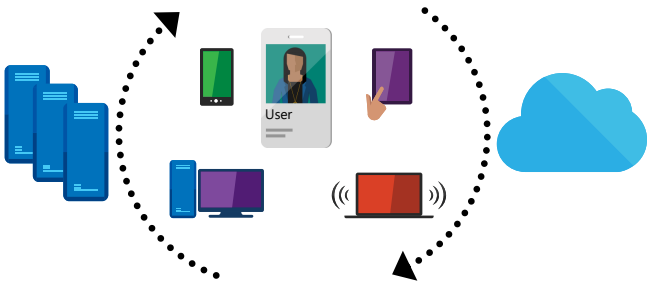


Enable users

Unify your environment

Create a centralized identity across on-premises and cloud

Use **identity federation** to maintain centralized authentication and securely share and collaborate with external users and businesses



Unify your environment

Enable users

Provide users with **self-service experiences** to keep them productive

Enable **single sign-on** for users across all the resources they need access to

Protect your data

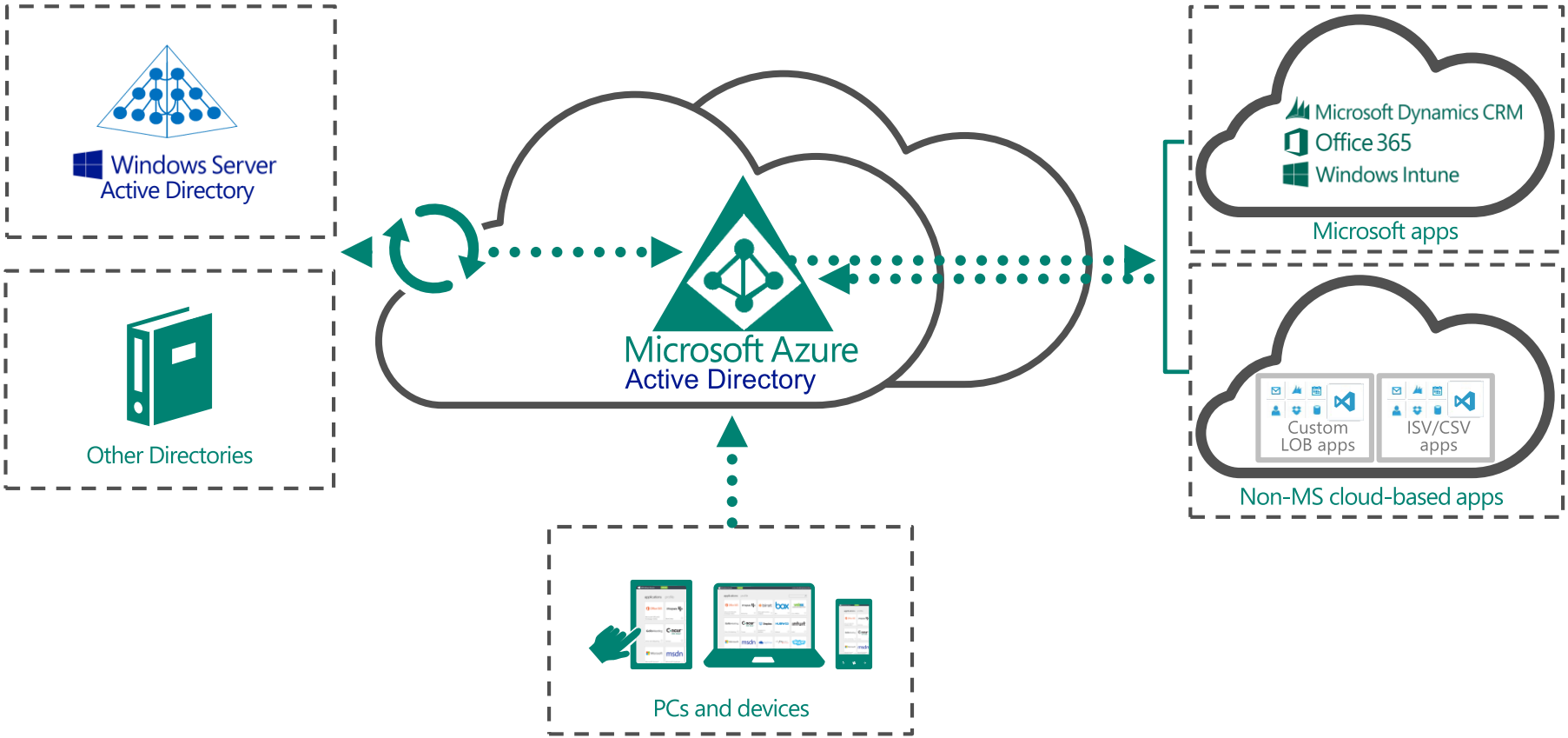
Protect your data

Enforce **strong authentication** when users access resources and apply **conditional access controls** to sensitive company information

Configure single sign-on across all company applications

Ensure compliance with **governance, attestation and reporting**

Public Identity as the control point



Managing Office Mobile Apps with Intune

Office 365 and Intune protect data on mobile devices without sacrificing user productivity

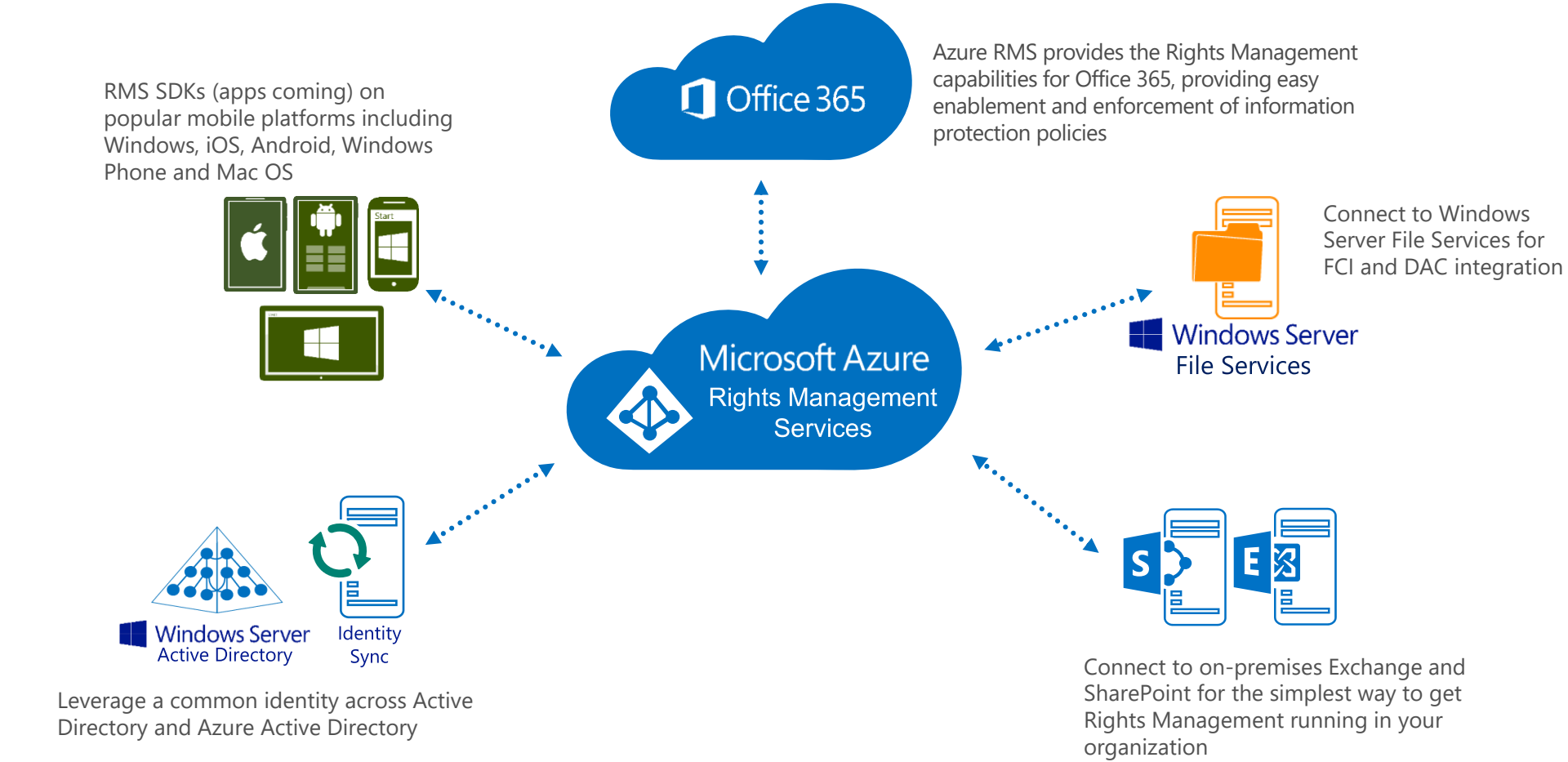
Secure Collaboration

- IT can set and manage policy around how data is shared with managed and non-managed apps
- In addition to Office mobile apps for iOS and Android, Intune will support management of LOB iOS and Android apps

Rich Office Experience

- Give users familiar, full-featured Office applications
- Maintain document formatting across platforms
- Securely store, sync, and share content via OneDrive for Business

Azure RMS Connectors and Connections



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