



CLOUD
collective

antares  Modality  quorum

Identity, Mobility, Security

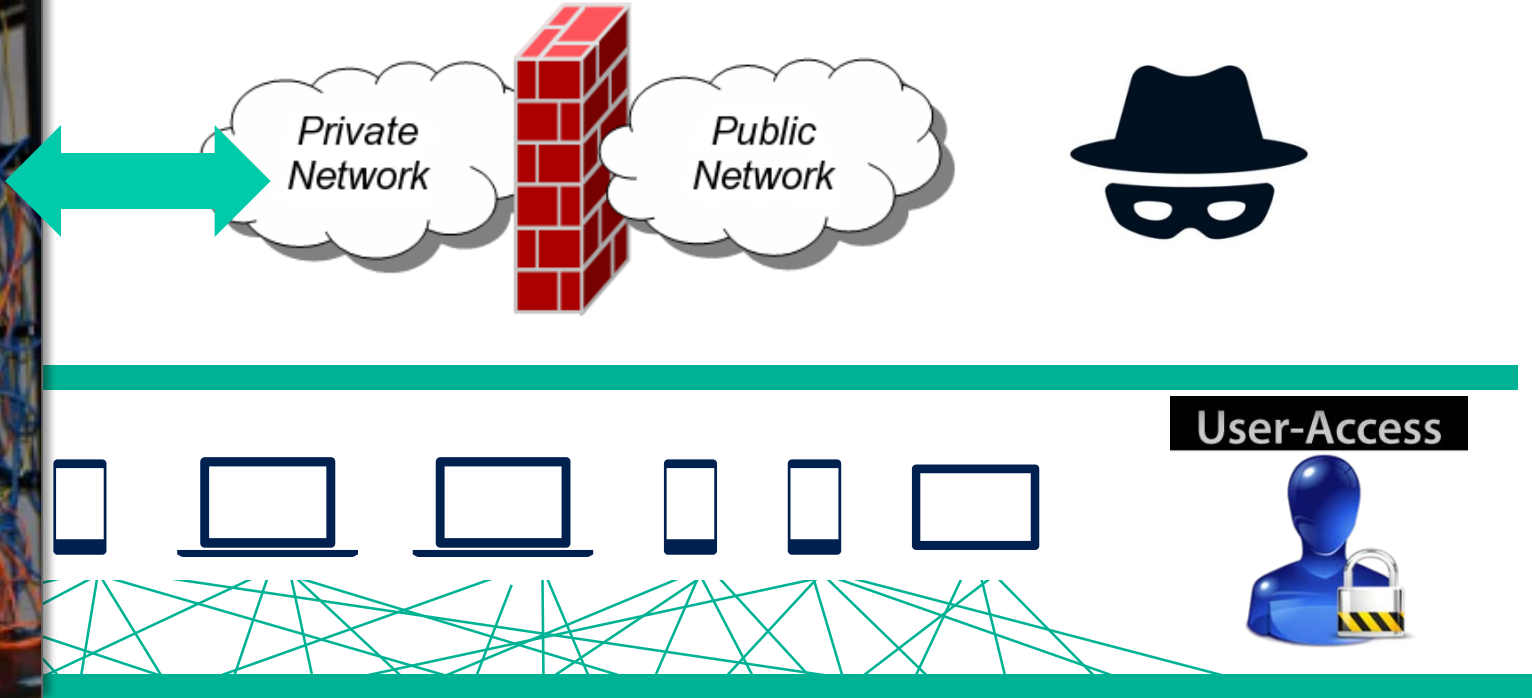
Understanding the role of Identity in the brave new world

John Filippis and Anthony Mather
Quorum

"In times of change learners inherit the earth; while the learned find themselves beautifully equipped to deal with a world that no longer exists."

Eric Hoffer

The old reality



On-premises



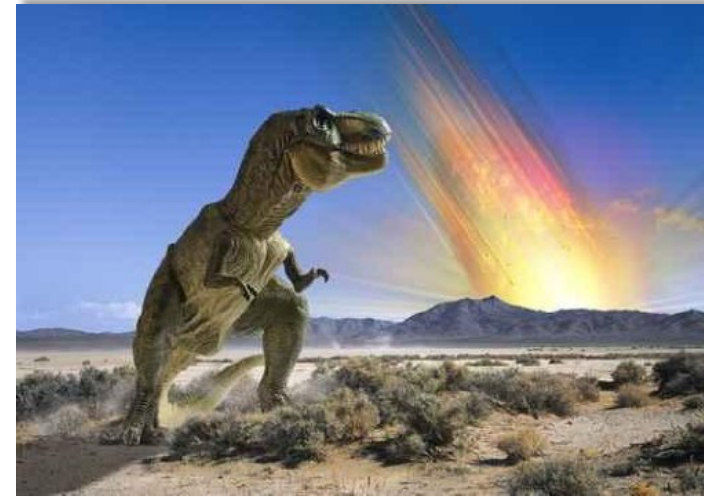
Managed devices



Active Directory



Then some thing(s) happened...



Identities multiply and become the key enabler for access but may also pose as a security risk.

Users gained leverage over IT by getting access to services themselves.

Smart Phone explosion after 2007 gave users unparalleled mobility and access to services

Rise of cloud based services provide choice and on demand accessibility with low entry cost.

Security attack vectors and surfaces have risen dramatically with the rise in mobility.

Social Media brings dramatic new "joins" for information transfer between people.

The delineation between personal and corporate devices is now blurred.

Personal and corporate data is now stored everywhere.

Now we have this new Mobile Cloud reality

63%

Data breaches

63% of confirmed data breaches involve weak, default, or stolen passwords

0.6%

IT Budget growth

Gartner predicts global IT spend will grow only 0.6% in 2016.

80%

Shadow IT

More than 80 percent of employees admit to using non-approved software as a service (SaaS) applications in their jobs.

88%

Low Confidence

88% of organisations are not confident in detecting and preventing threats to their files and emails.

The current reality



HIGHTAIL

Dropbox

amazon
web services™

Microsoft Azure EC2

Microsoft Dynamics

box

CONCUR

Basecamp®

ShareFile
by citrix

GoToMeeting
by citrix

salesforce.com®

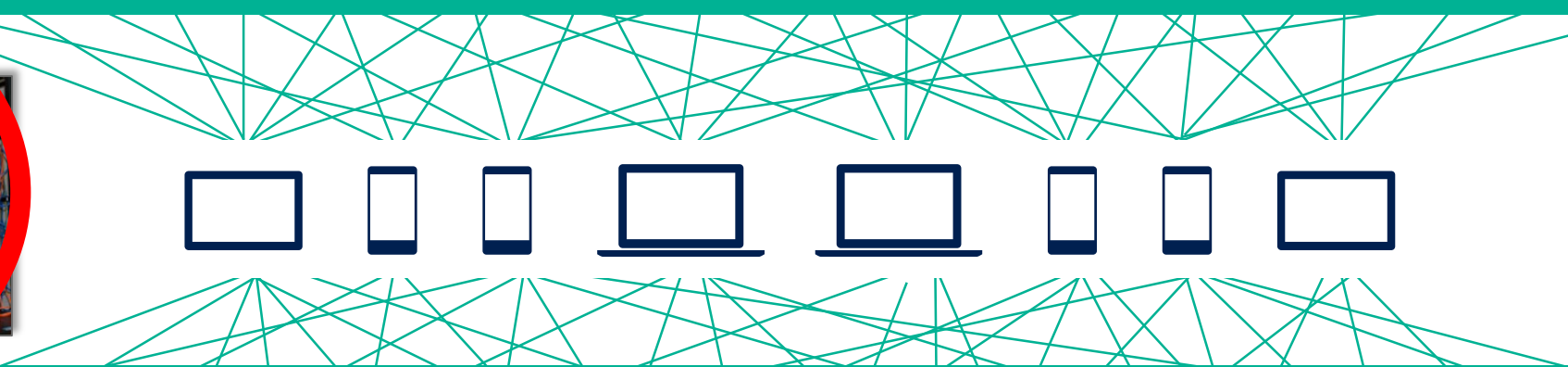
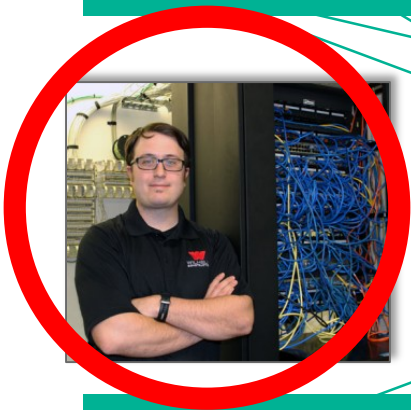
force.com®

Office 365

SAP®

SUGARCRM

Microsoft System Center



On-premises



Managed devices



Active Directory



Windows Server

Identity is the new Control Plane

From the World Economic Forum (WEF) 2016*..

The key trends that are shaping the rise of identity systems:

- Increasing transaction volumes and complexity
- Rising customer expectations
- More stringent regulatory compliance
- Increased speed and risk of business

WORLD
ECONOMIC
FORUM

COMMITTED TO
IMPROVING THE STATE
OF THE WORLD



identity

PHYSICAL IDENTITY

Physical identity was designed to enable face-to-face transactions among entities

The digital economy is changing the way that identity transactions occur

DIGITAL IDENTITY

Digital identity enables transactions in the digital world and offers improved functionality for its users

Enterprise Mobility + Security

How to handle this modern landscape



Identity



Devices



Apps



Data

Identity Driven Security

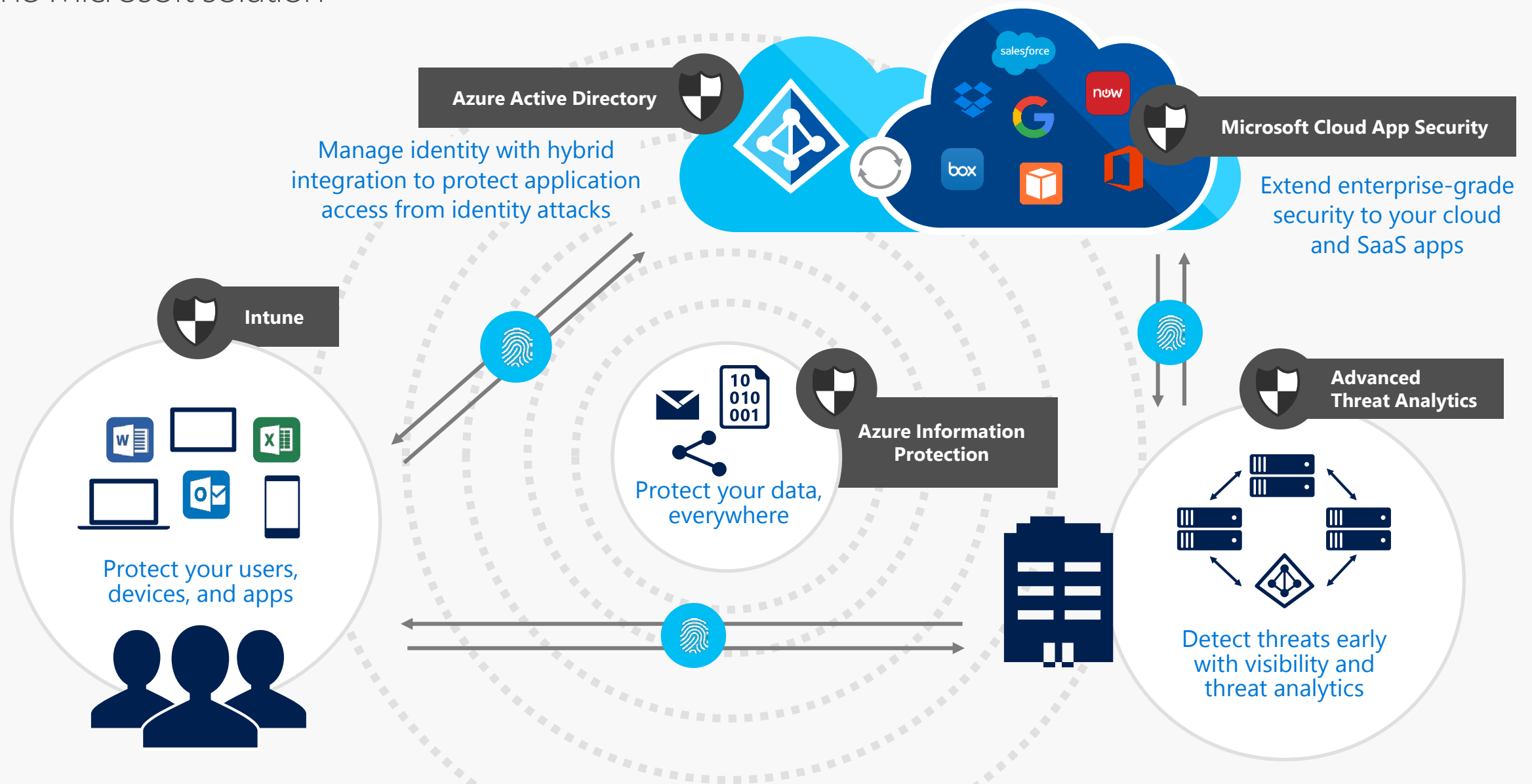
Managed Mobile Productivity

Comprehensive capability



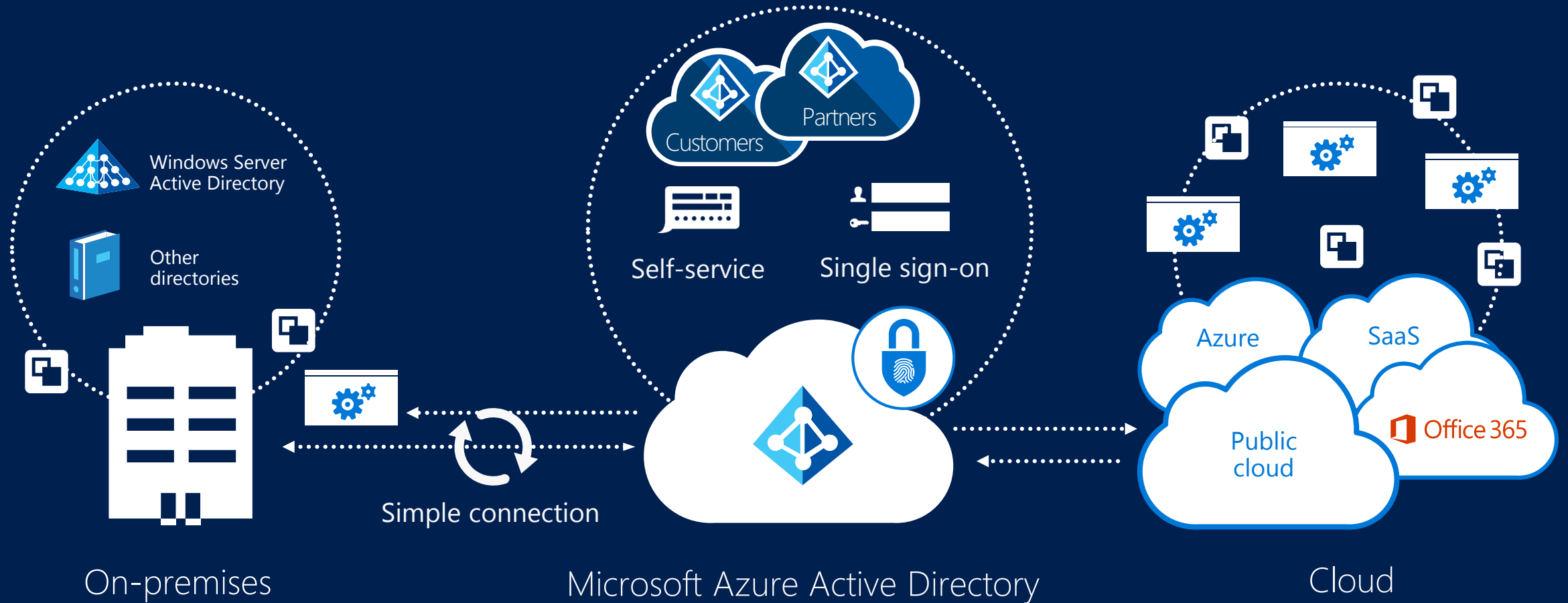
Enterprise Mobility + Security

The Microsoft solution



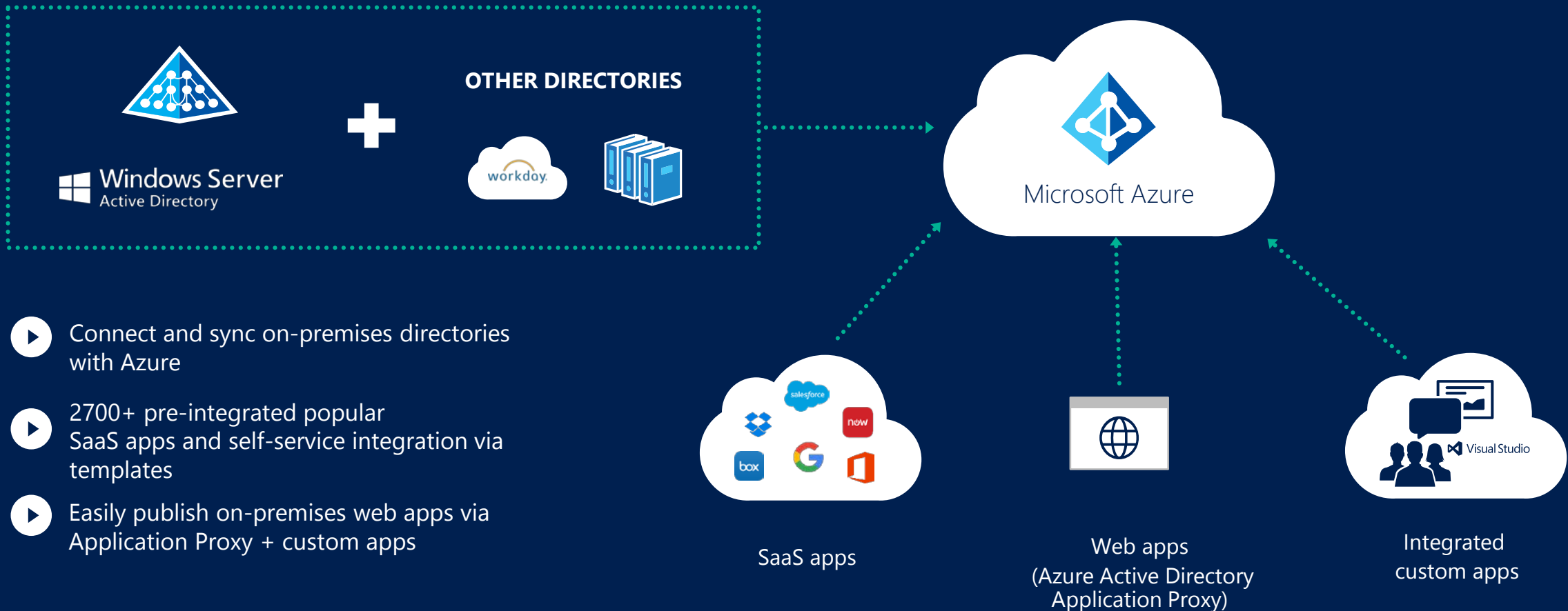
Identity as the core of enterprise mobility

Azure Active Directory as the *control plane*



1000s OF APS, 1 IDENTITY

Single sign-on to any app



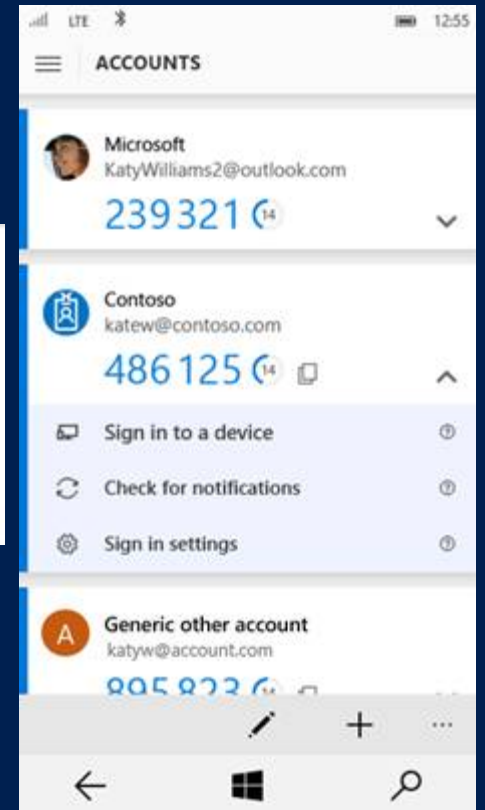
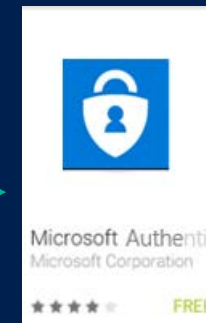
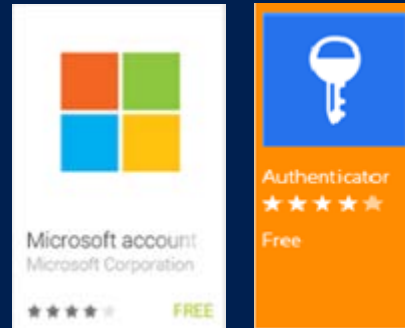
1000s OF APPS, 1 IDENTITY

Microsoft Authenticator

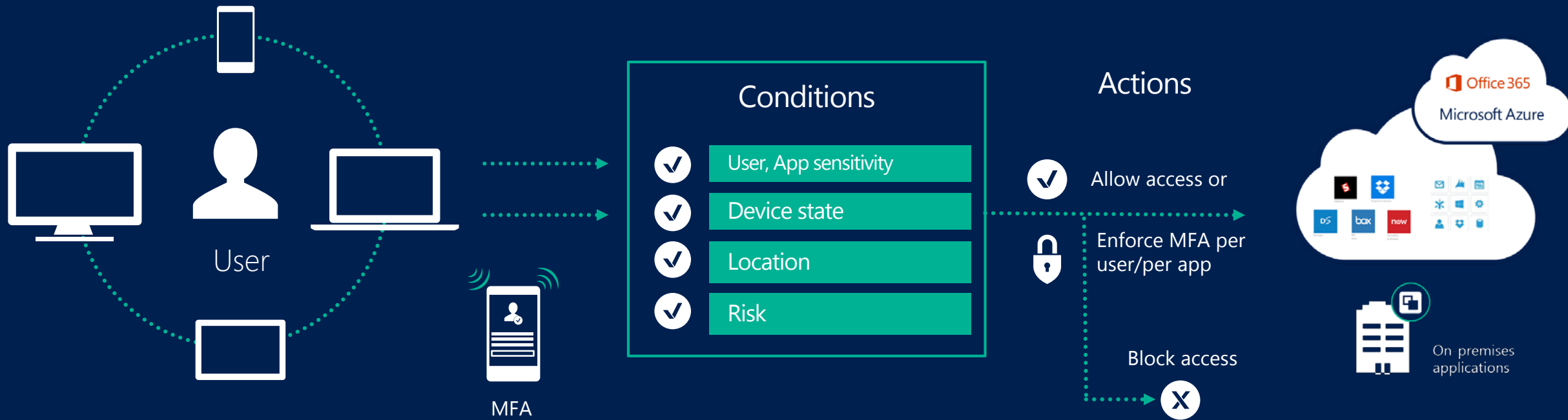
A mobile authenticator application for all platforms

Converges the existing Azure Authenticator and all consumer Authenticator applications.

- ▶ MFA for any account, enterprise or consumer and 3rd party : Push Notifications/OTP
- ▶ Device Registration (workplace join)
- ▶ SSO to native mobile apps - Certificate-based SSO
- ▶ Future: Sign in to a device (Windows Hello), app, or website without a password



Identity-driven security



IDENTITY PROTECTION

NOTIFICATIONS, ANALYSIS, REMEDIATION,
RISK-BASED POLICIES



CLOUD APP DISCOVERY



PRIVILEGED IDENTITY MANAGEMENT



DETECT ATTACKS BEFORE THEY CAUSE DAMAGE

Microsoft Advanced Threat Analytics

An on-premises platform to identify advanced security attacks and insider threats **before** they cause damage

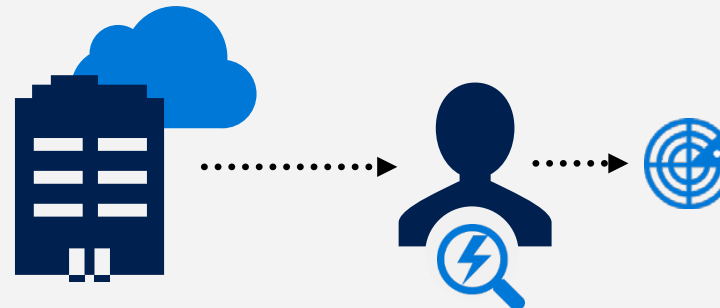


Behavioral
Analytics

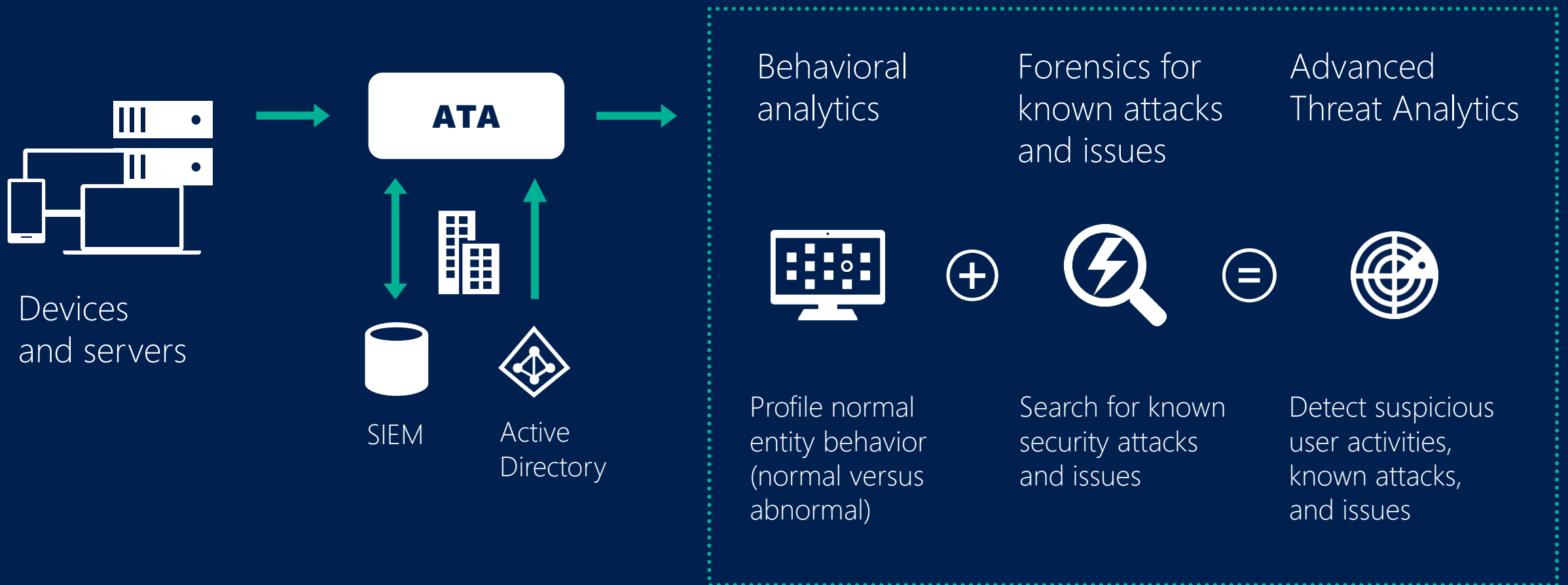
Detection of advanced
attacks and security risks

Advanced Threat
Detection

Microsoft Advanced Threat Analytics brings the behavioral analytics concept to IT and the organization's users.



Microsoft Advanced Threat Analytics



Microsoft Cloud App Security



Discovery

Gain complete visibility and context for cloud usage and shadow IT—no agents required



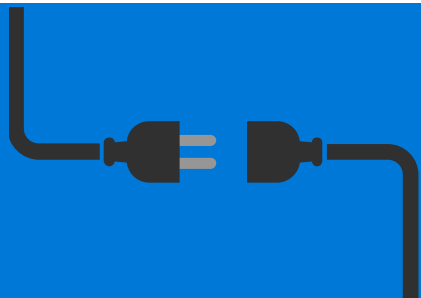
Data control

Shape your cloud environment with granular controls and policy setting for access, data sharing, and DLP



Threat protection

Identify high-risk usage and security incidents, detect abnormal user behavior, and prevent threats



Integrate with existing security, mobility, and encryption solutions



Cloud App Security - Data control



Policy definition

- Set granular-control security policies for your approved apps
- Use out-of-the-box policies or customize your own



DLP and data sharing

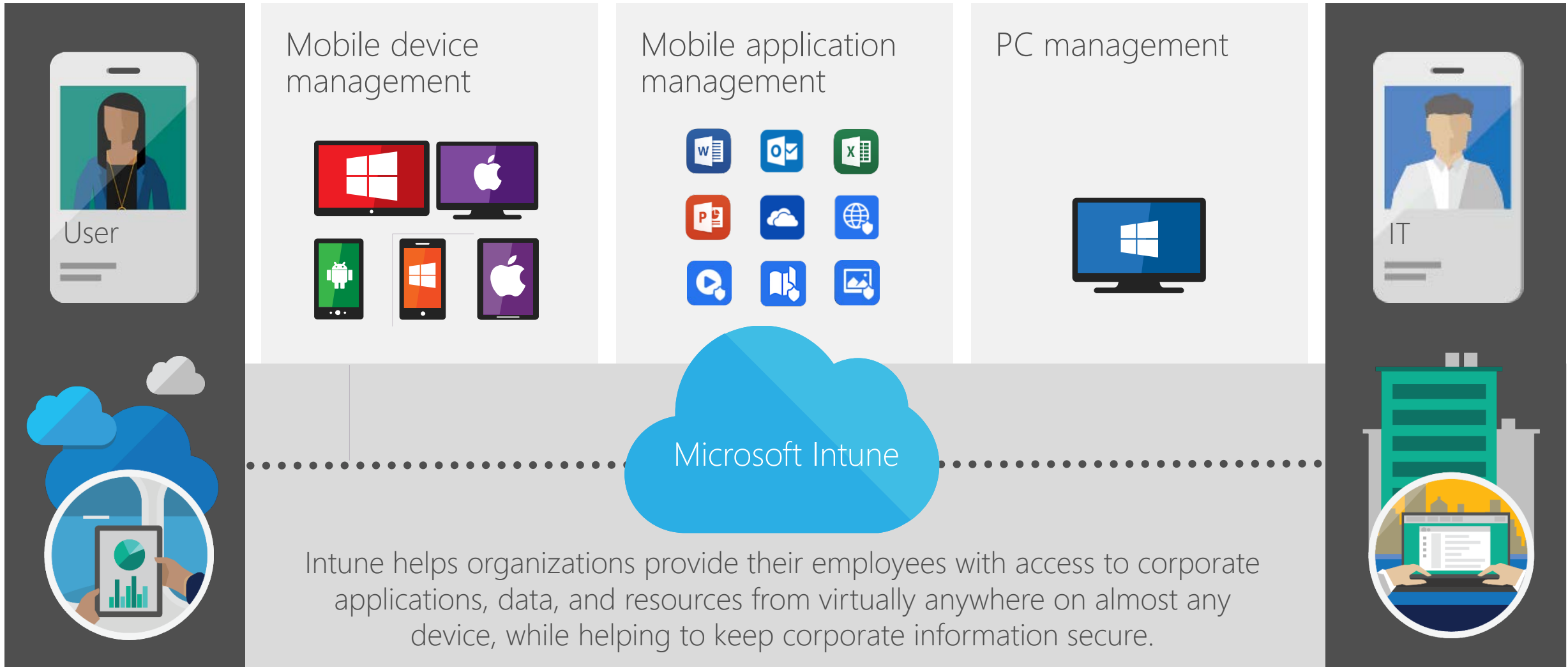
- Prevent data loss both inline and at rest
- Govern data in the cloud, such as files stored in cloud drives, attachments, or within cloud apps
- Use pre-defined templates or extend existing DLP policies



Policy enforcement

- Identify policy violations, investigate on a user, file, activity level
- Enforce actions such as quarantine and permissions removal
- Block sensitive transactions, limit sessions for unmanaged devices

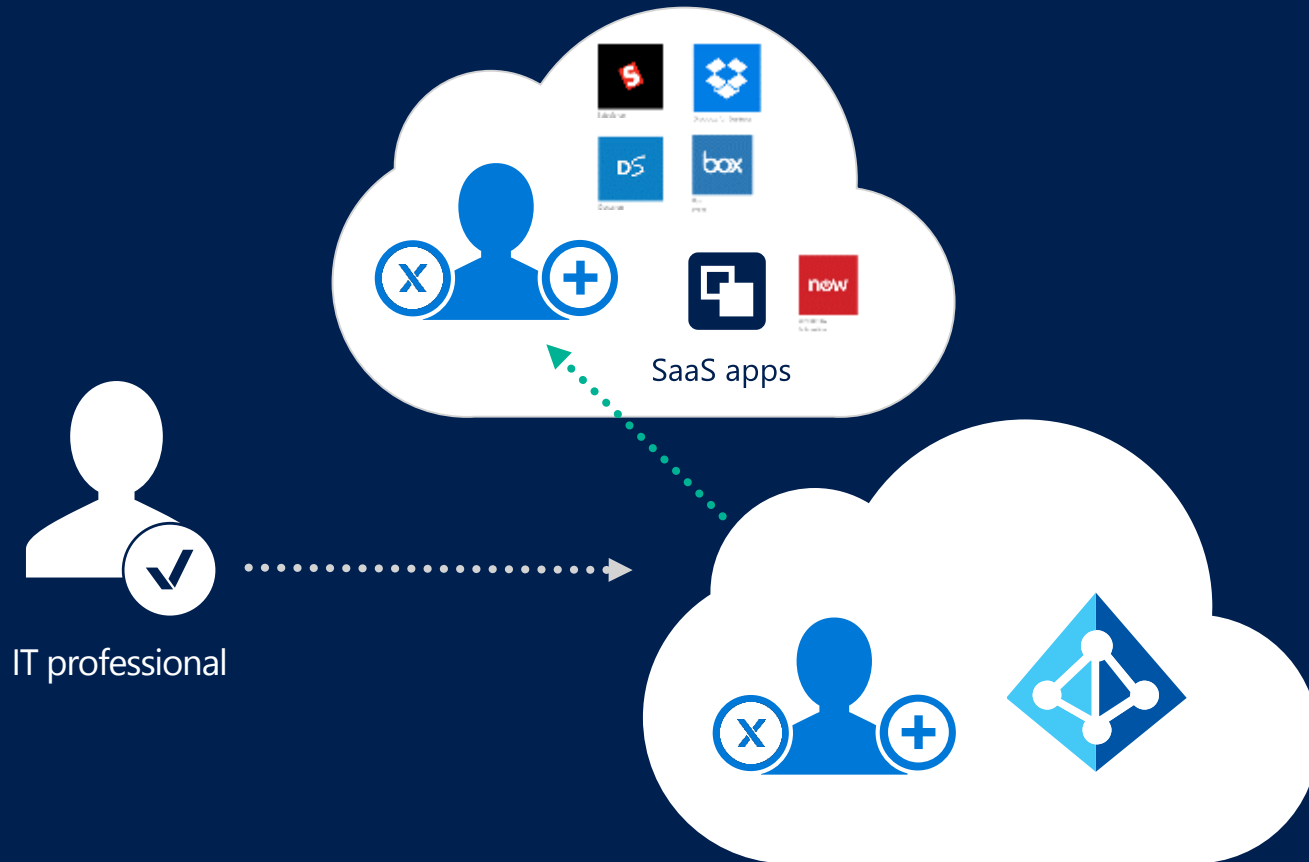
Enterprise mobility management with Intune



Use Cases

MANAGE ACCESS AT SCALE

Azure Active Directory Premium

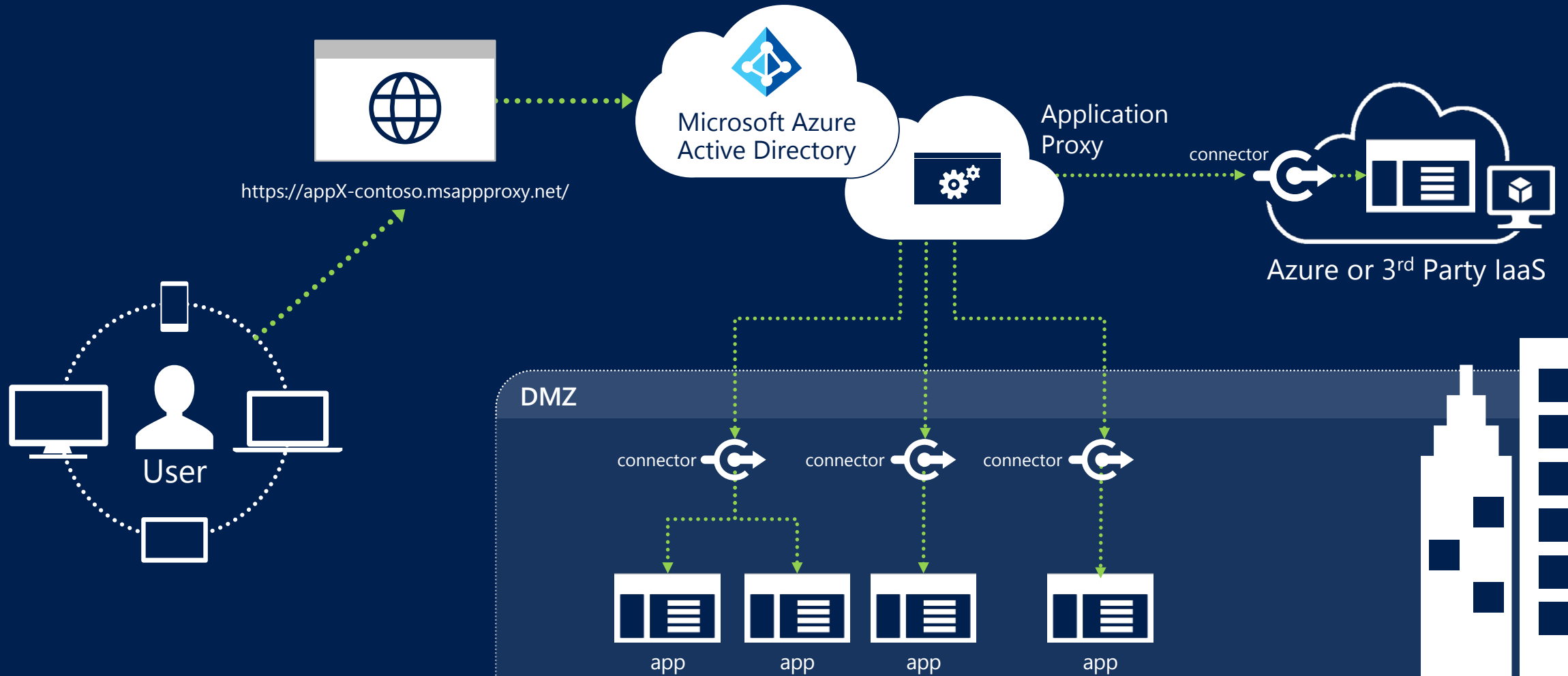


- ▶ Comprehensive identity and access management console
- ▶ Centralized access administration for pre-integrated SaaS apps and other cloud-based apps
- ▶ Provisioning and deprovisioning with customization options
- ▶ Dynamic groups, device registration, secure business processes with advanced access management capabilities

1000s OF APPS, 1 IDENTITY

Azure Active Directory Application Proxy

Single Sign-on to on-premises applications



Azure Multi-Factor Authentication



Mobile
apps



Phone
calls



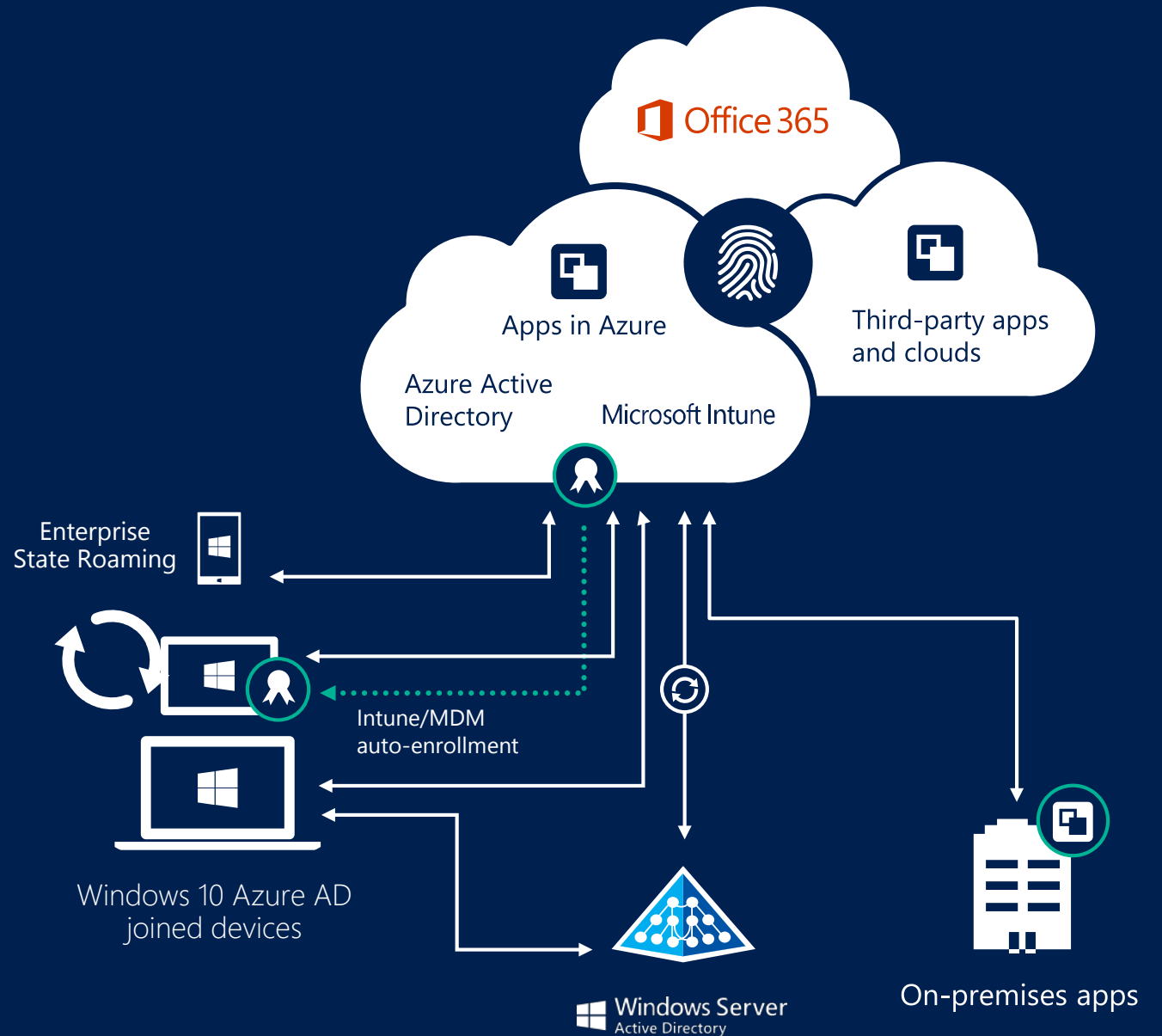
Text
messages

ENABLE BUSINESS WITHOUT BORDERS

Enabling anytime, anywhere productivity: Azure Active Directory Join for Windows 10

Azure Active Directory Join makes it possible to connect work-owned Windows 10 devices to your company's Azure Active Directory

- ▶ Enterprise-compliant services
- ▶ SSO from the desktop to cloud and on-premises applications with no VPN
- ▶ MDM auto-enrollment
- ▶ Support for hybrid environments

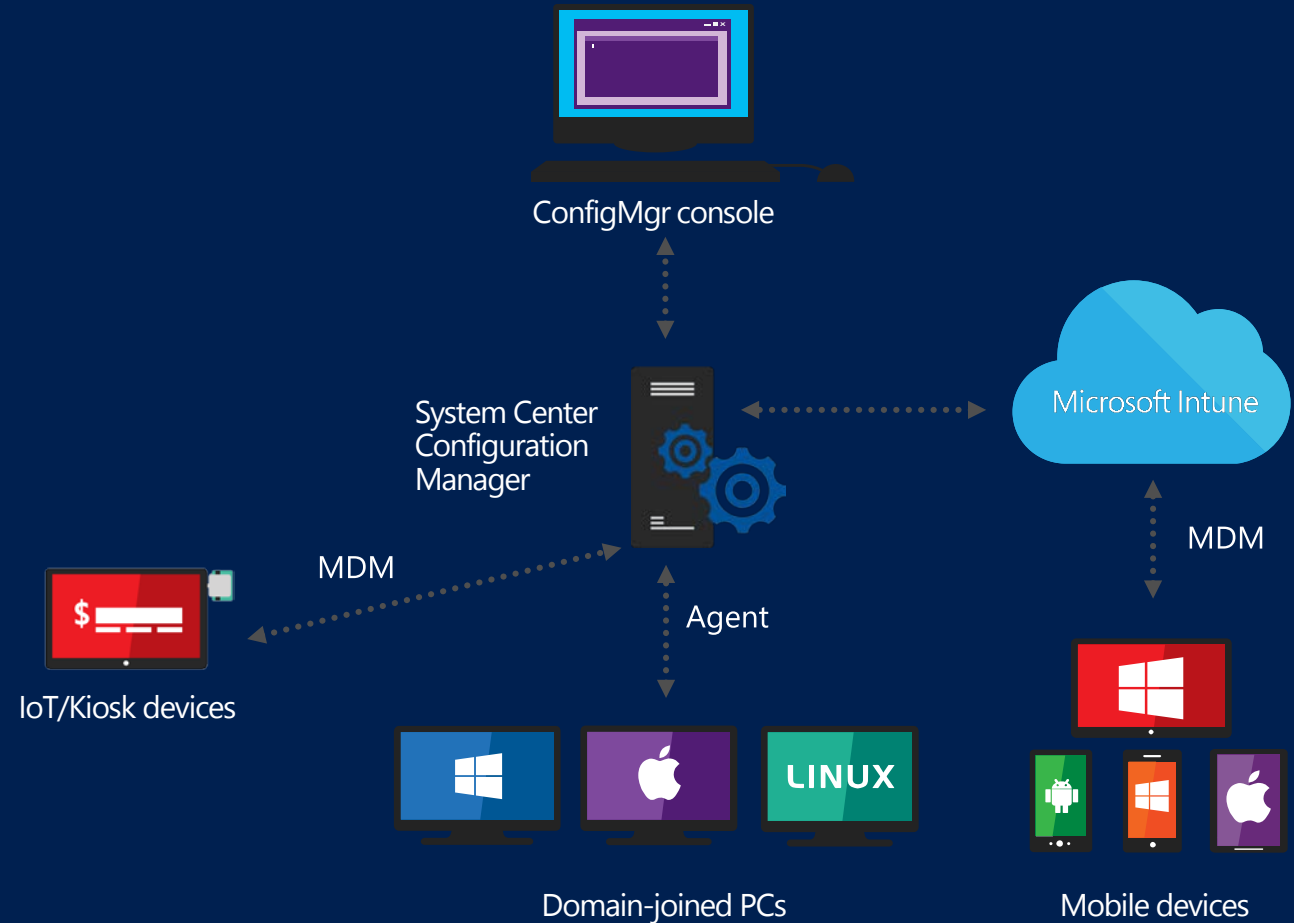


Microsoft Intune deployment options

Intune stand-alone (cloud only)



ConfigMgr integrated with Intune (hybrid)



Questions

What to take away from the session

- Identity is the key control plane for any strategy that will underpin a mobility and cloud centric architecture
- Utilise a platform like Microsoft Enterprise Mobility + Security to manage identity based productivity and control
- Change is rapidly occurring, therefore the ability to learn and adapt to the changes will secure your success





CLOUD
collective

Thank You!!!

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