CITY OF SURREY

Microsoft

Azure EMS

Access, Convenience & Security for the City of Surrey in One Fell Swoop

David Izzard – City of Surrey
Lanny Cofman – Microsoft

Needs of the City

Hybrid Identity

Any Device

Strong Authentication

Remote Access

Cloud SSO

On-Prem SSO

Office 365
Google
DocuSign
servicenow
salesforce.com

North Surrey Recreation Centre

Additional Requirements

User Behavior Analytics

Document Rights Management

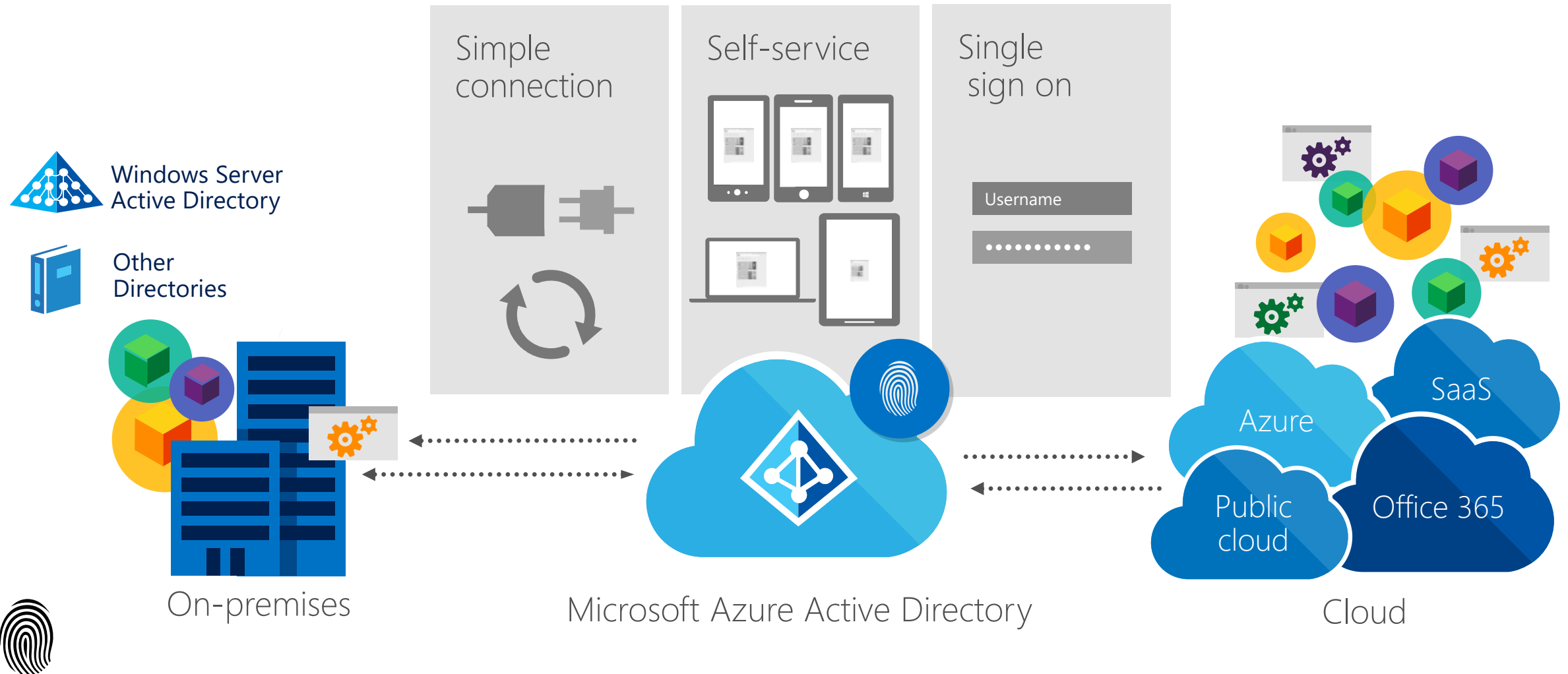Mobile App Management

Self Service Password Management

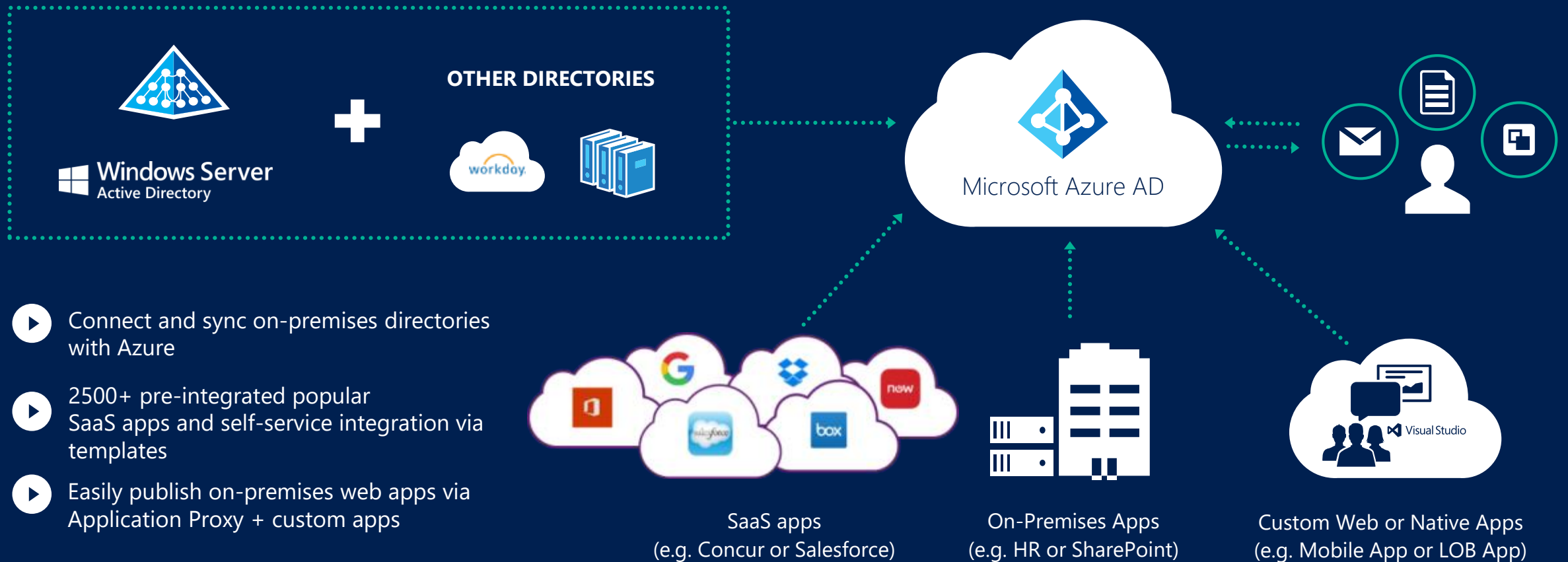# Solution
Enterprise Mobility + Security

Integrated Identity as the control plane
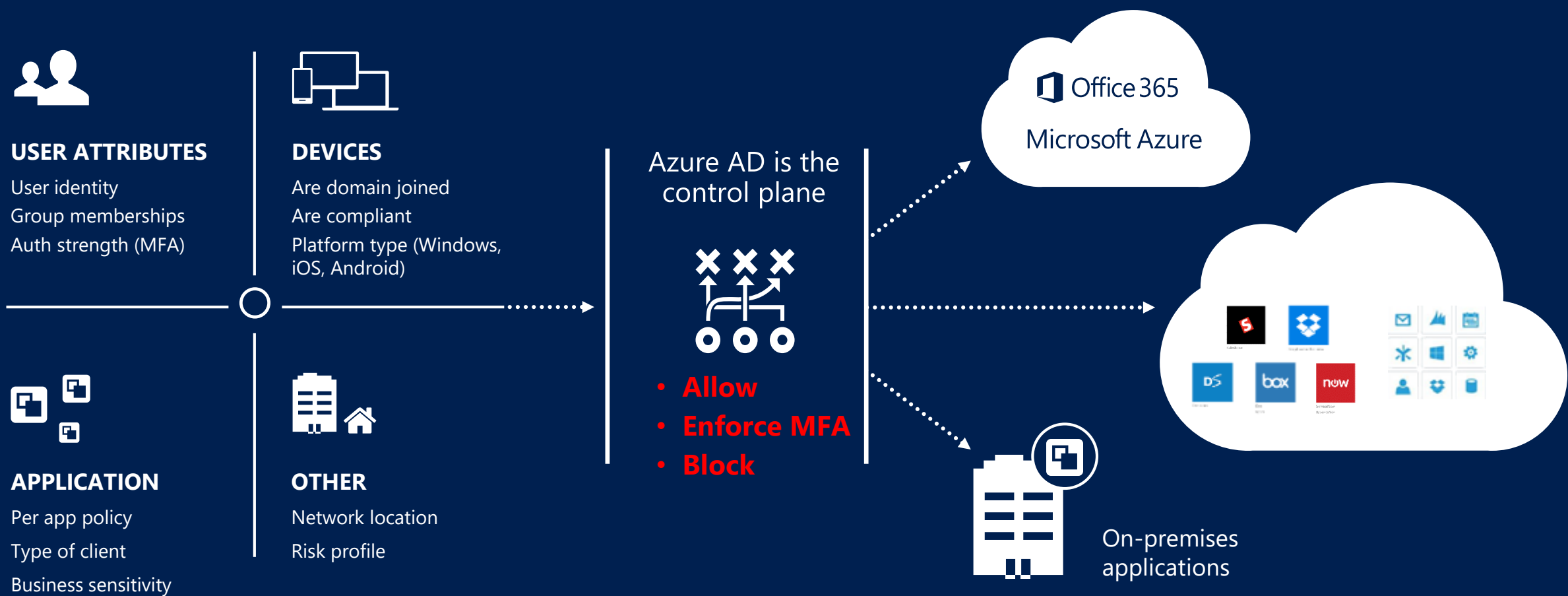
One common identity

Simple connection	Self-service	Single sign on

Username

Windows Server Active Directory

Other Directories

On-premises

Microsoft Azure Active Directory

Azure

SaaS

Public cloud

Office 365

Cloud

Enable Anywhere Access

"I need to let my users access my company's apps from anywhere"

OTHER DIRECTORIES

Windows Server
Active Directory

workday

Microsoft Azure AD

- Connect and sync on-premises directories with Azure
- 2500+ pre-integrated popular SaaS apps and self-service integration via templates
- Easily publish on-premises web apps via Application Proxy + custom apps

Visual Studio

SaaS apps
(e.g. Concur or Salesforce)

On-Premises Apps
(e.g. HR or SharePoint)

Custom Web or Native Apps
(e.g. Mobile App or LOB App)

Govern Anywhere Access

"I need to control access to resources based on a variety of conditions"

USER ATTRIBUTES

User identity
Group memberships
Auth strength (MFA)

DEVICES

Are domain joined
Are compliant
Platform type (Windows, iOS, Android)

APPLICATION

Per app policy
Type of client
Business sensitivity

OTHER

Network location
Risk profile

Azure AD is the control plane

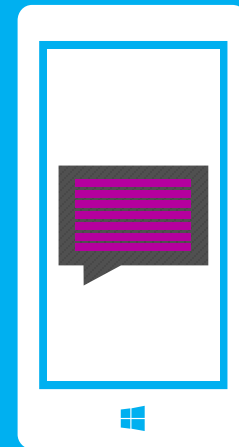- **Allow**
- **Enforce MFA**
- **Block**

Office 365

Microsoft Azure
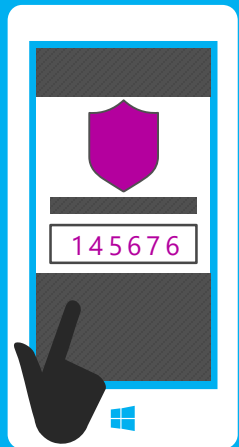
On-premises applications

Enable Self-Service Password Reset

"I need to enable my users to securely reset their own password"

MFA Challenge

Azure AD Connect

Windows Server
Active Directory

Microsoft Azure
Active Directory

Username

?

Forgot your password?

On-premises
applications

Office 365
Microsoft Azure
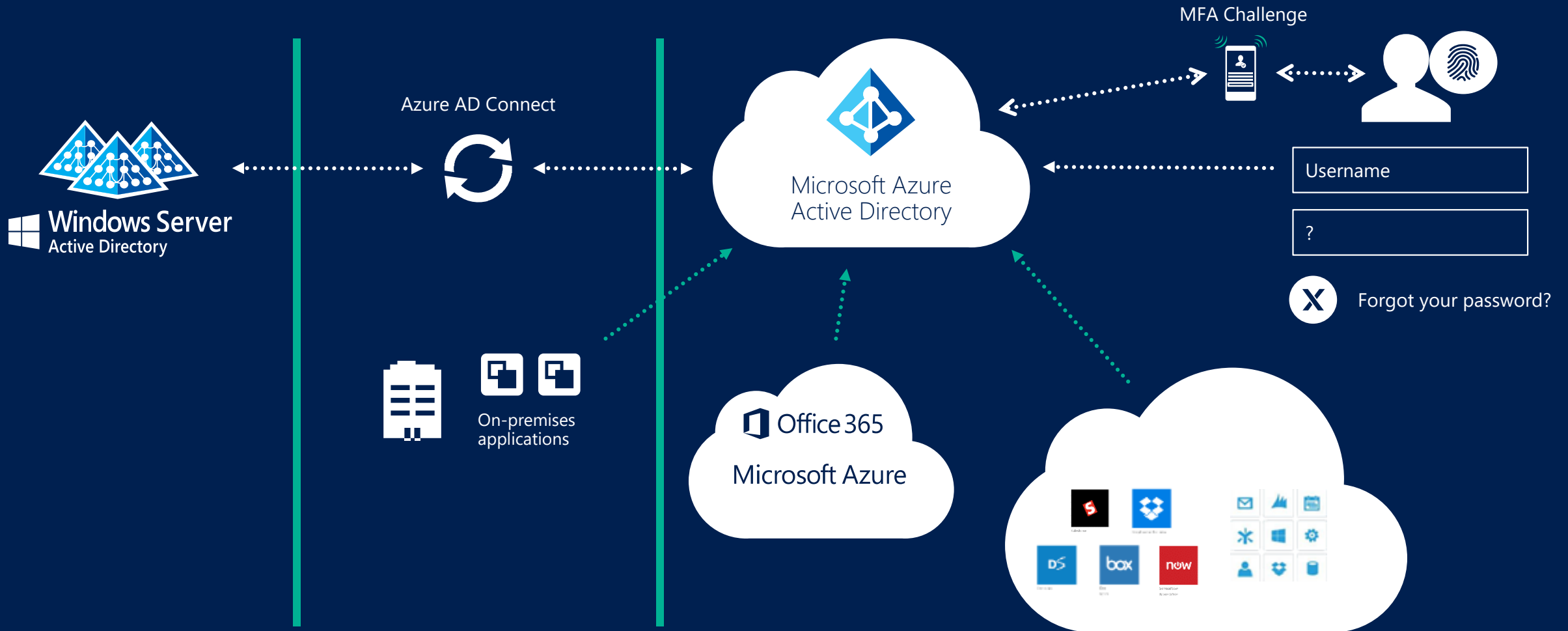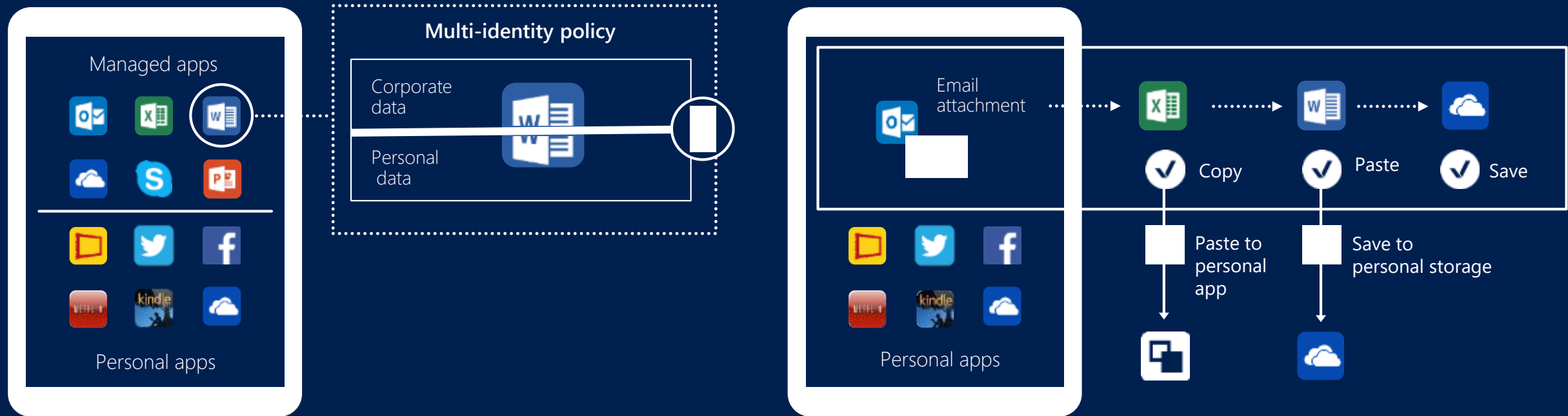
Identify Active Directory Breaches

"I need to know if Active Directory accounts have been compromised"

Devices and servers

ATA

SIEM

Active Directory

Behavioral analytics

Forensics for known attacks and issues

Advanced Threat Analytics

(e.g. flag abnormal user activity)

+

(e.g. LDAP Simple Bind, lateral movement, DNS Reconnaissance)

=

Simple, Rich Timeline of Events
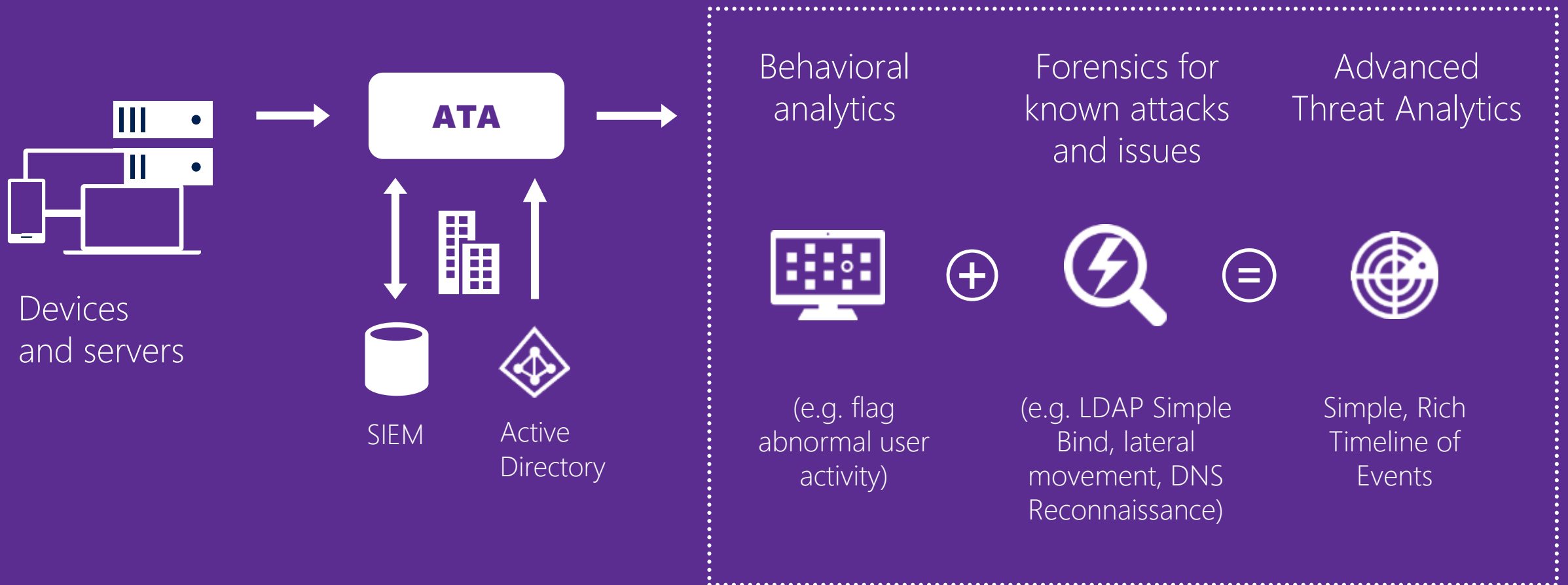
Control Data on Mobile Devices

"I need to secure corporate data on my users' mobile devices"

Managed apps

Multi-identity policy

Corporate data

Personal data

Personal apps

Email attachment

Personal apps

Copy

Paste

Save

Paste to personal app

Save to personal storage

Discussion

EMS Deployment at the City of Surrey

Demo

EMS Deployment at the City of Surrey

Microsoft

Thank you