

**2018** ATEA  
**BOOT**  
**CAMP**

# Välkommen

**Microsoft**

En holistisk säkerhetsstrategi för det  
nya säkerhetslägget

Föreläsare:

Peter Swedin, Microsoft



# En holistisk säkerhetsstrategi för det nya säkerhetsläget

Enterprise Mobility + Security (EMS)

Peter Swedin - Cloud Security Architect

# Agenda



Digital transformation



Microsoft Enterprise Mobility + Security



Protect at the front door



Protect your data, anywhere



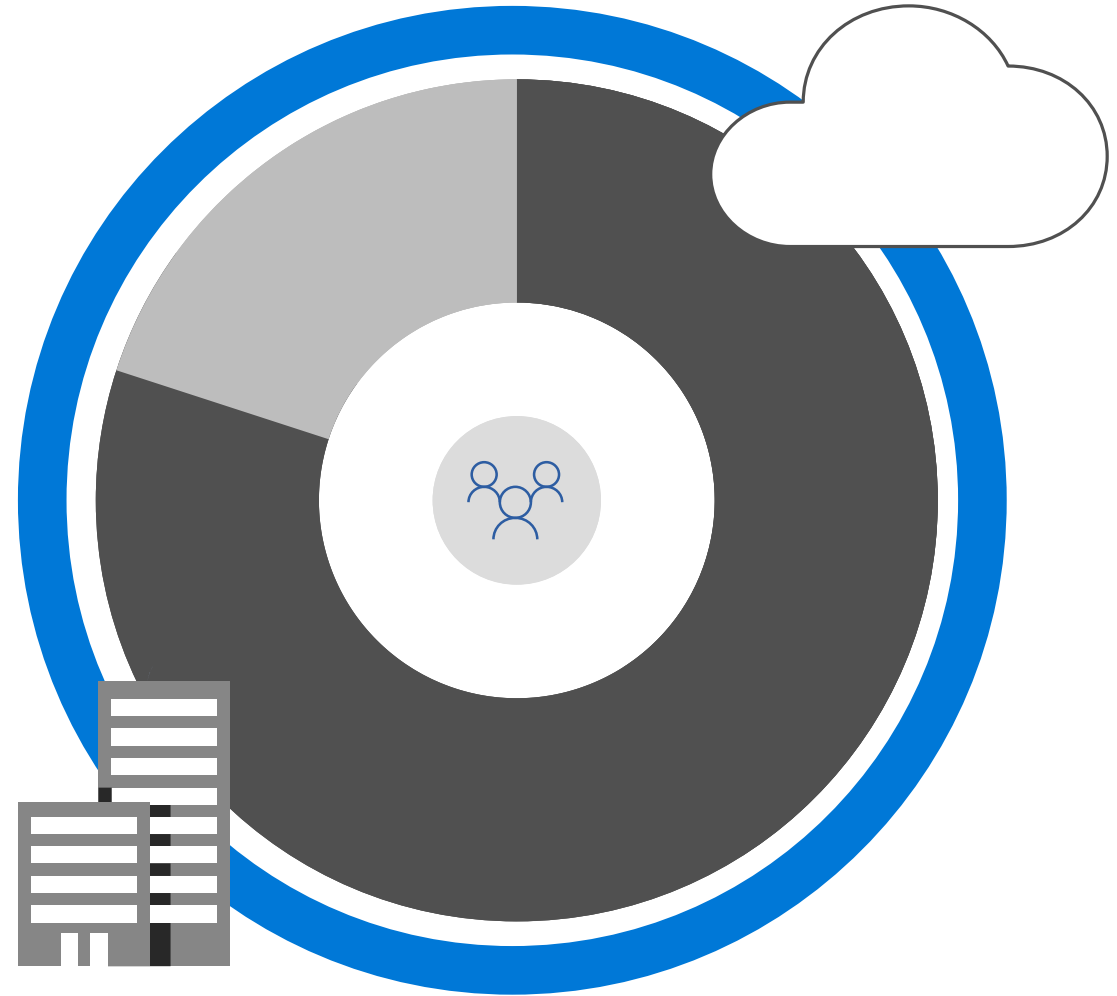
Detect and remediate attacks

# Digital transformation is driving change

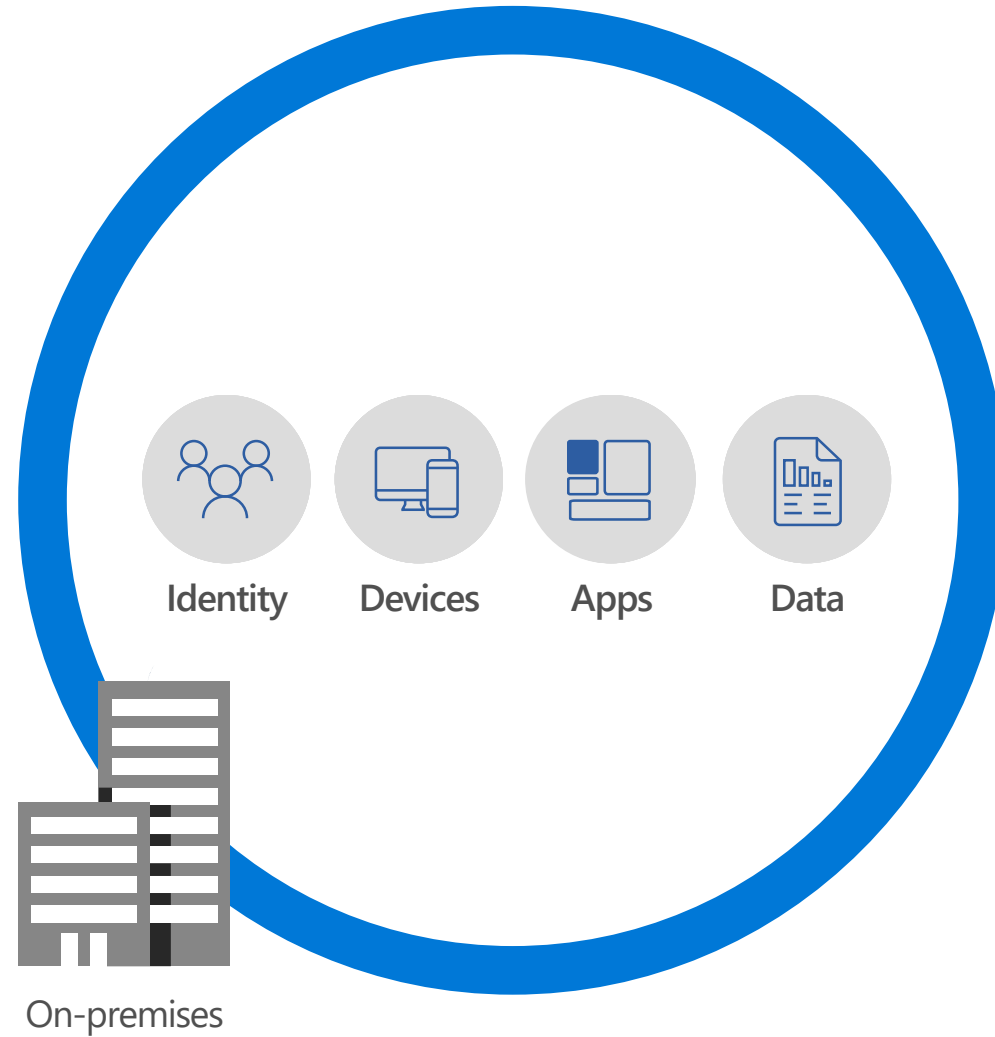
**41%** of employees say mobile business apps change how they work

**85%** of enterprise organizations keep sensitive information in the cloud

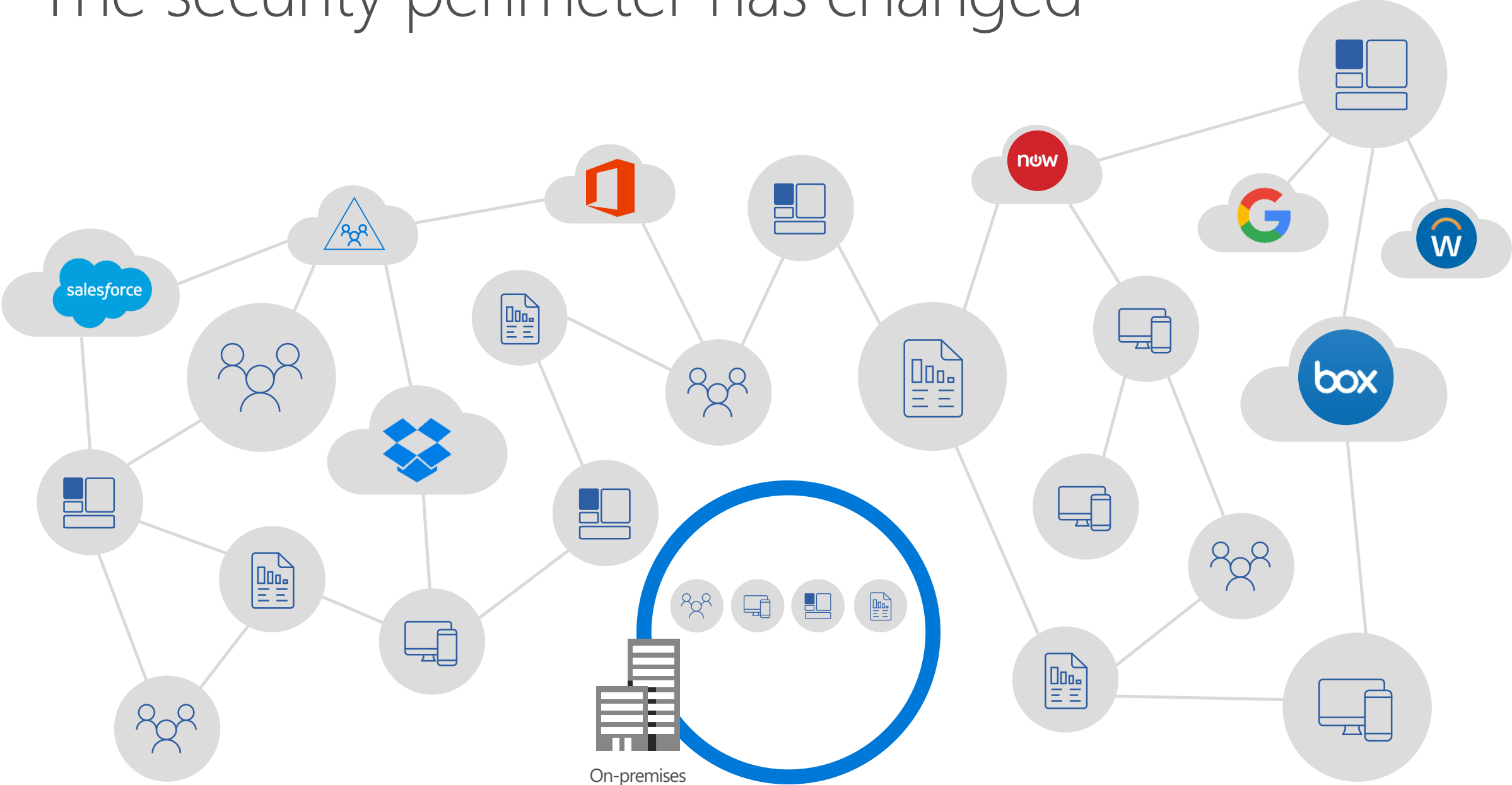
**80%** of employees use non-approved SaaS apps for work



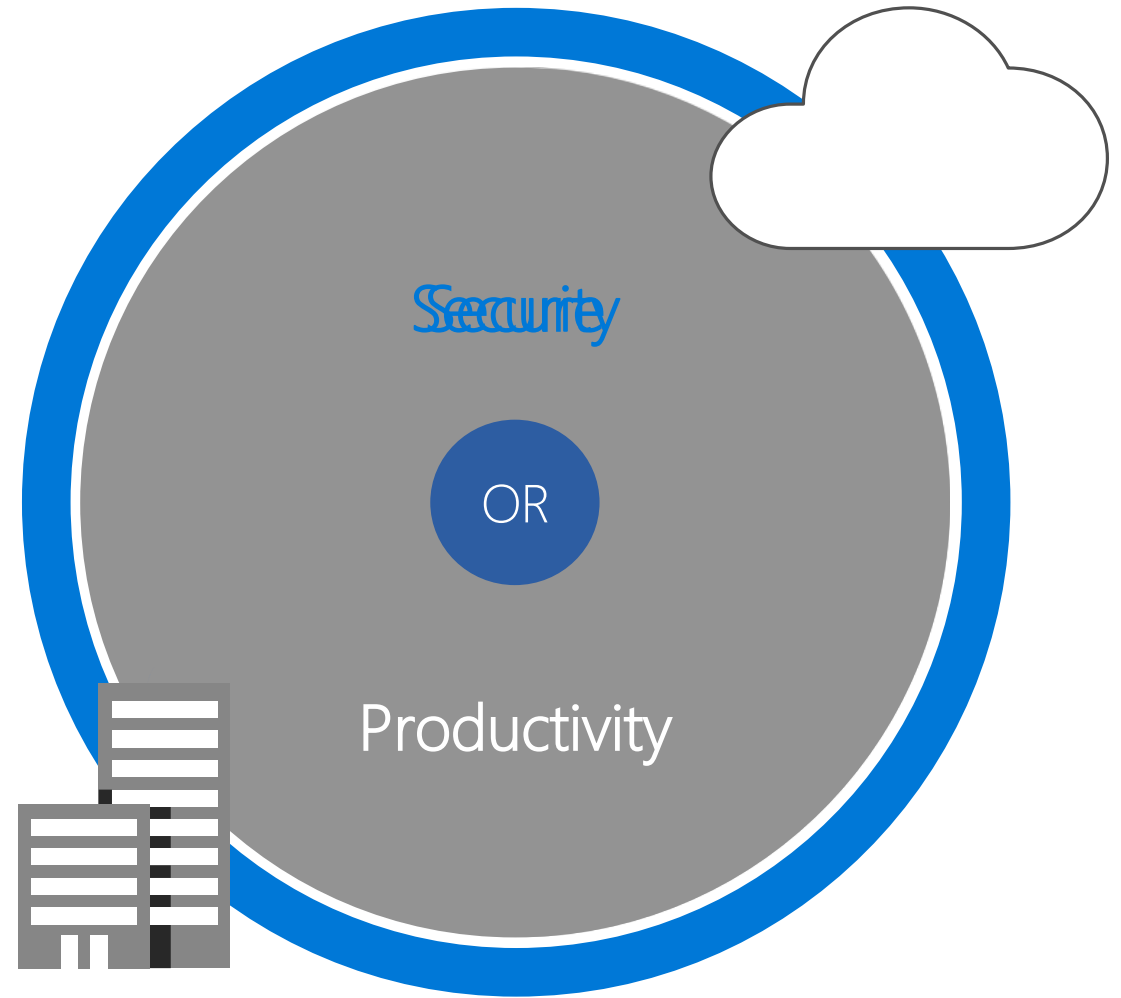
# The security perimeter has changed



# The security perimeter has changed

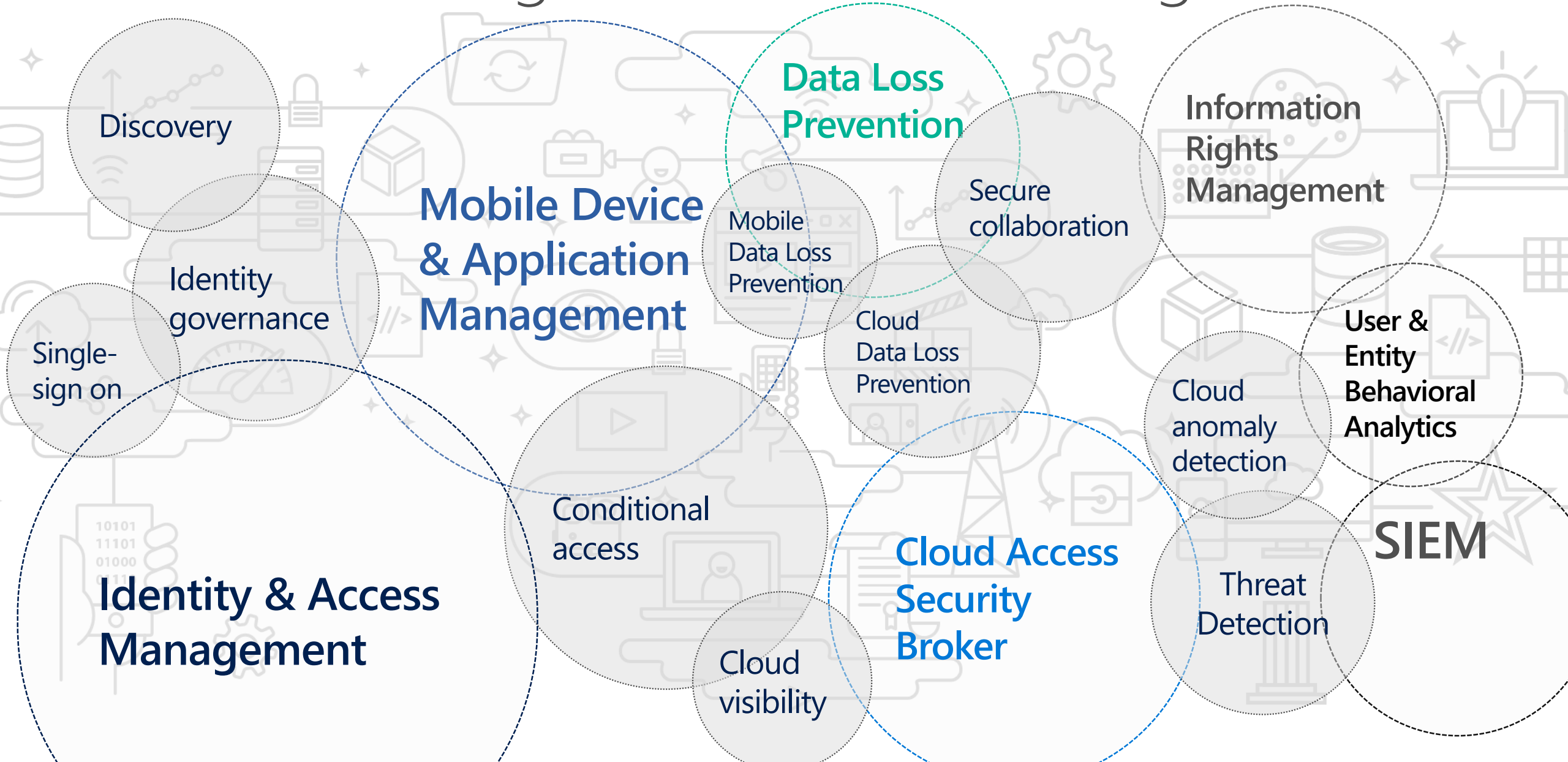


How do we enable productivity without compromising security?



**It's a delicate balance**  
**The security you need integrated**  
**with the productivity tools you want**  
between productivity & security

# The market is segmented and confusing







## Protect at the front door

Identity & Access Management

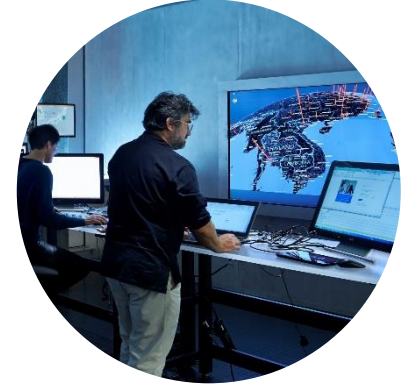


## Protect your data anywhere

Mobile Device & App Management

Data Loss Prevention

Cloud Access Security Broker



## Detect & remediate attacks

User & Entity Behavioral Analytics

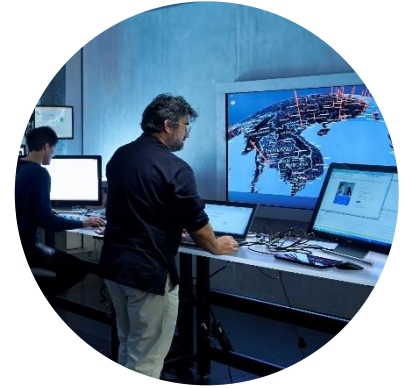
Cloud Access Security Broker



**Protect at the  
front door**



**Protect your  
data anywhere**

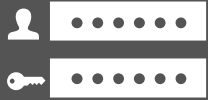


**Detect &  
remediate attacks**

Microsoft Enterprise Mobility + Security

# Microsoft Enterprise Mobility + Security

Holistic and innovative solutions for protection across users, devices, apps and data



Identity and access  
management



Mobile device &  
app management



Information  
protection



Threat  
protection



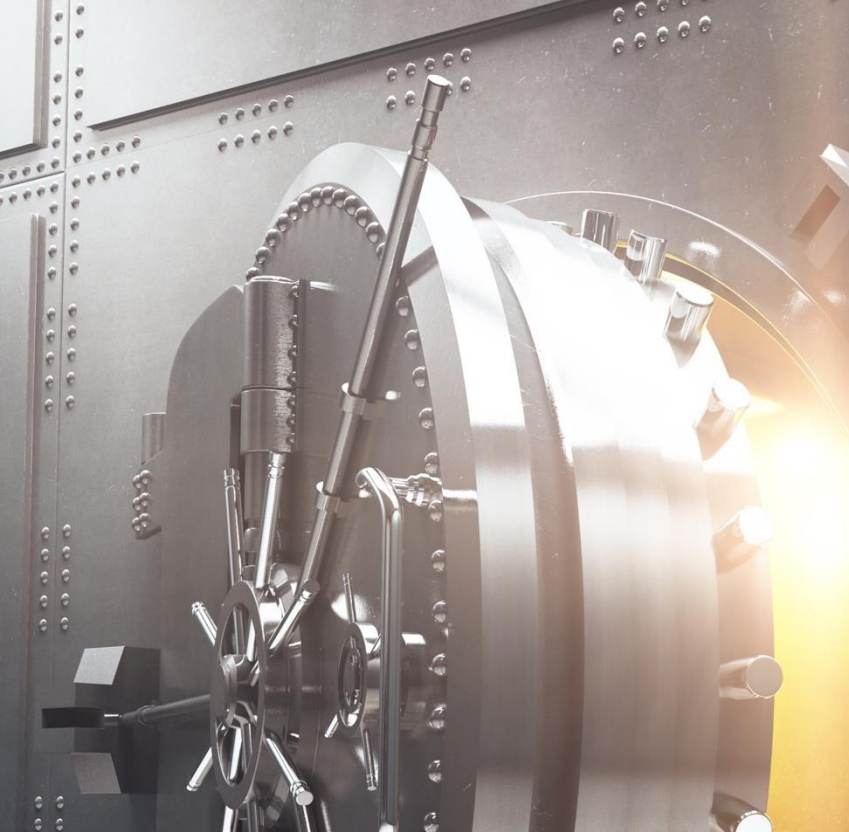
**Protect at the  
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**Protect your  
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## Enterprise Mobility + Security

**Protect at the front door**

**Protect your data anywhere**

**Detect & remediate attacks**



## Enterprise Mobility + Security

**Protect at the front door**

Protect your data anywhere

Detect & remediate attacks



Enterprise Mobility + Security

**Protect at the  
front door**

# 81%

of hacking breaches  
leverage stolen and/or  
weak passwords



How much control do you have over access?



Who is accessing? What is their role?  
Is the account compromised?



Where is the user based? From where is  
the user signing in? Is the IP anonymous?



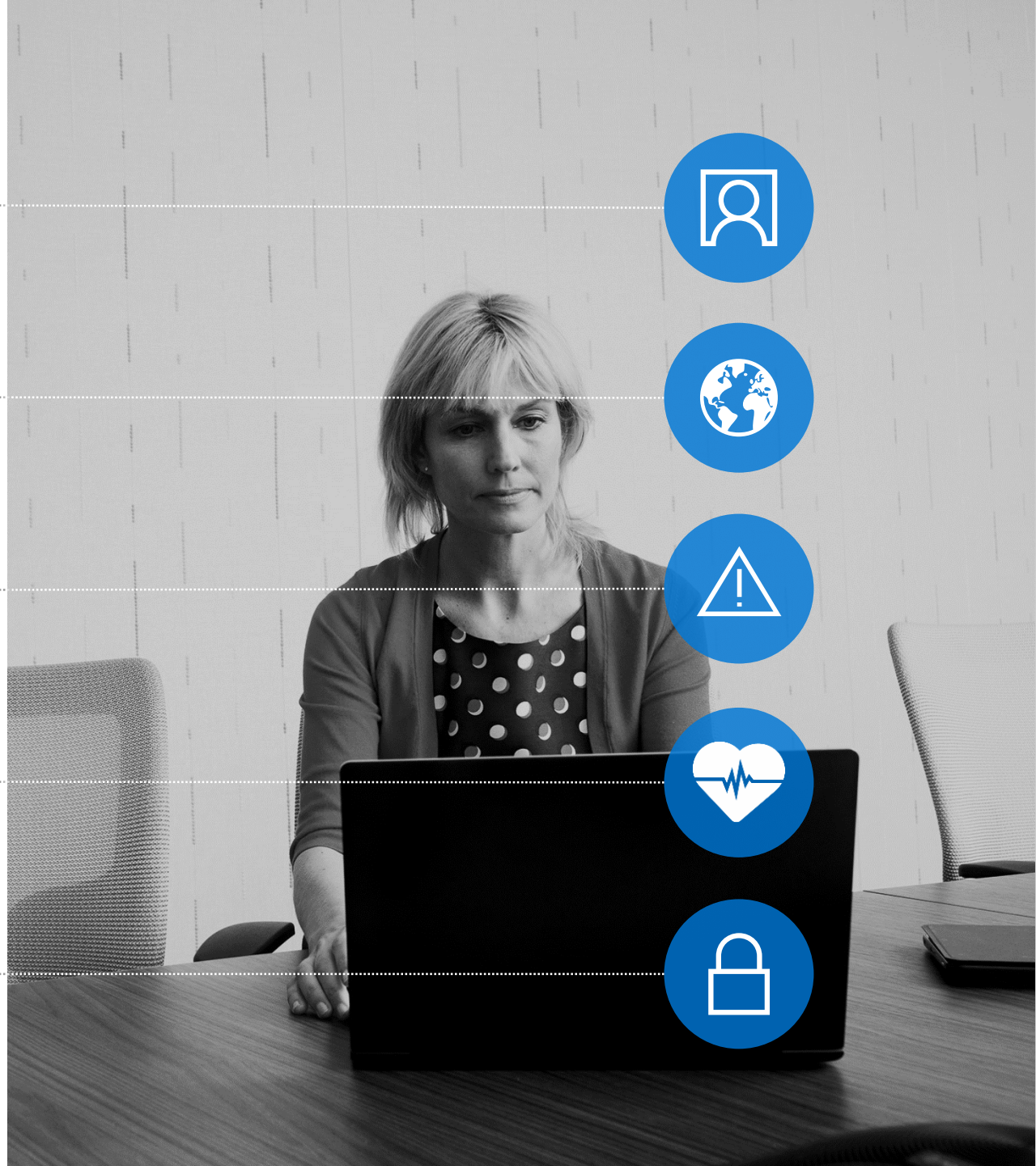
Which app is being accessed?  
What is the business impact?



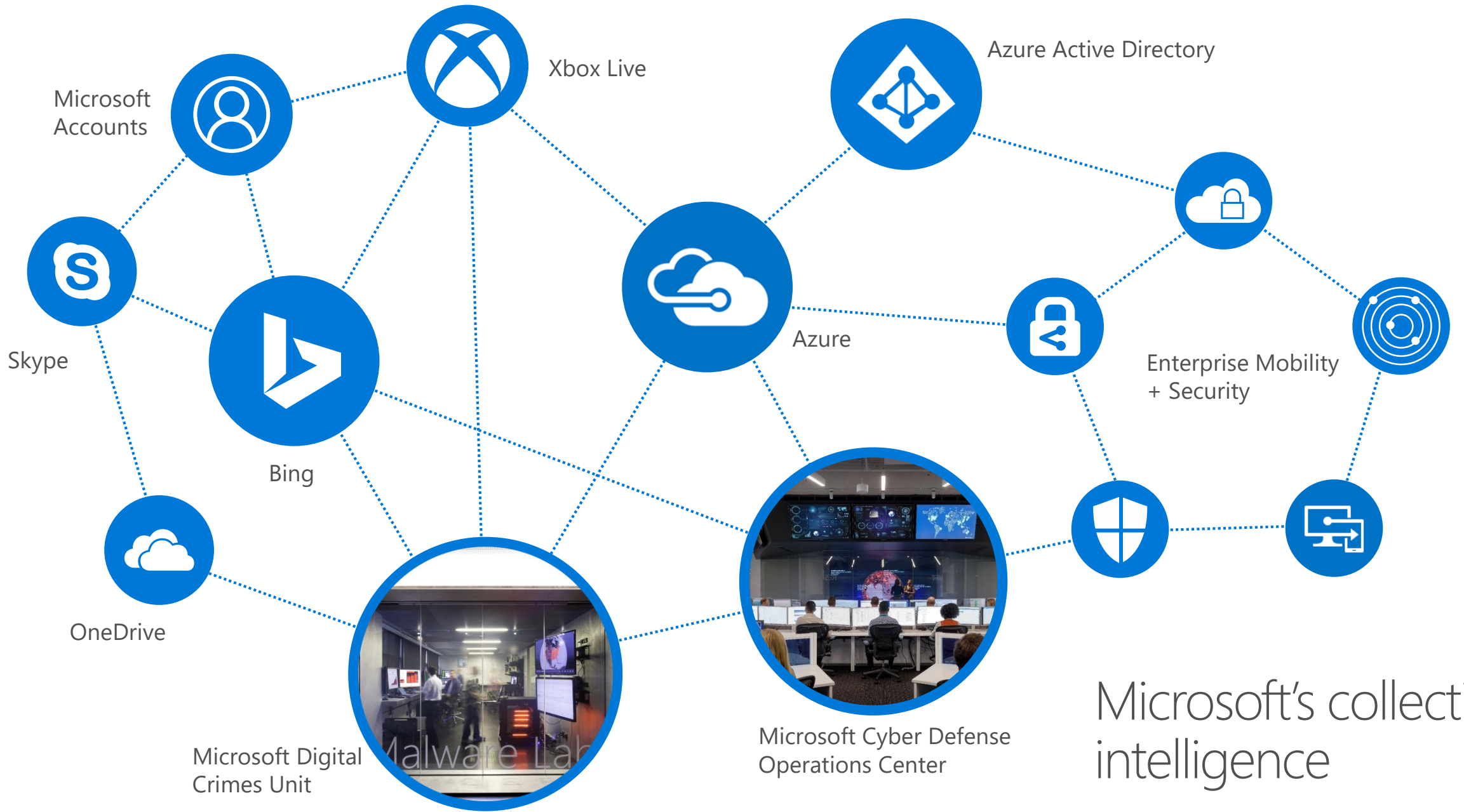
Is the device healthy? Is it managed?  
Has it been in a botnet?



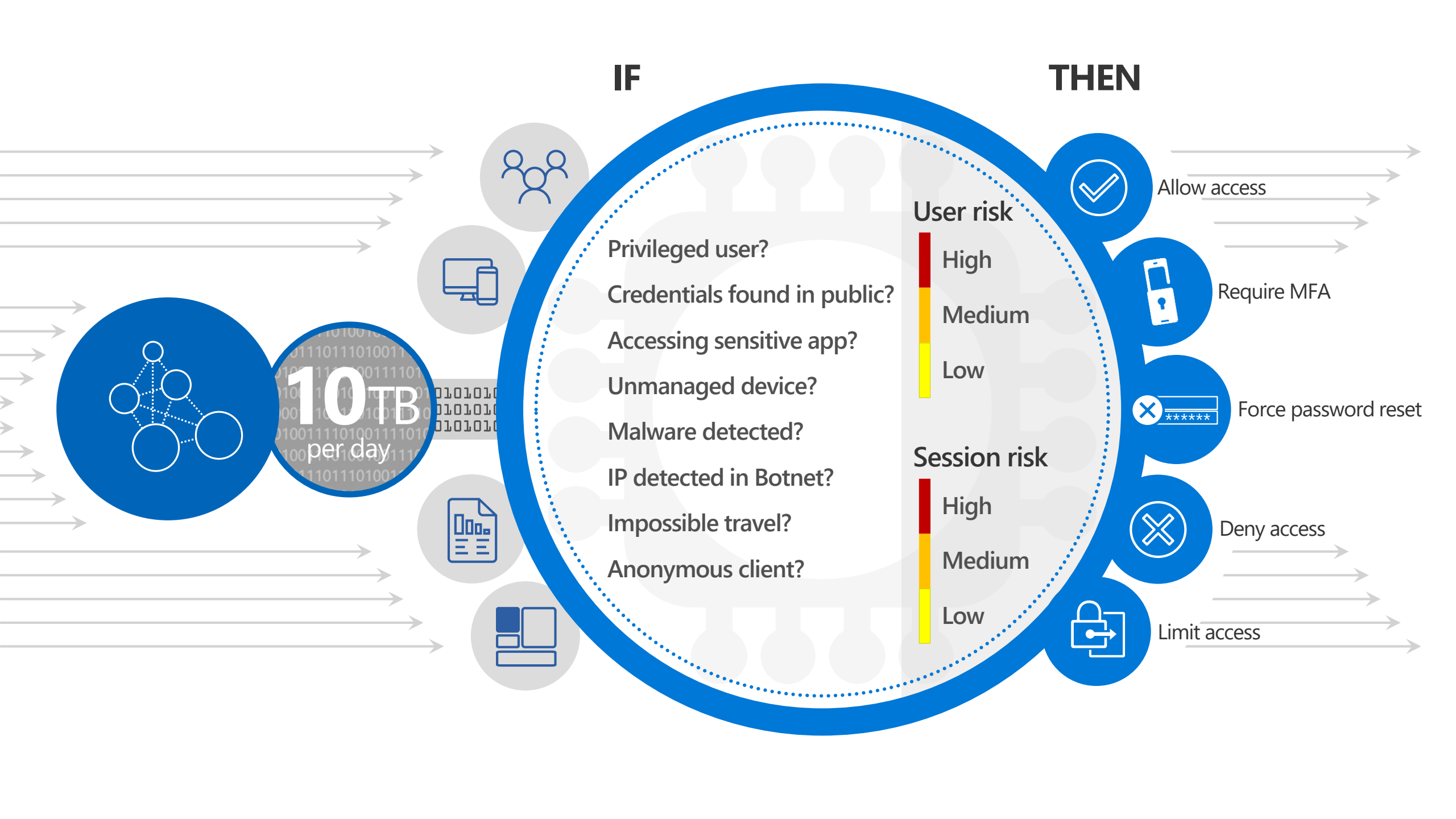
What data is being accessed?  
Is it classified? Is it allowed off premises?







Microsoft's collective intelligence

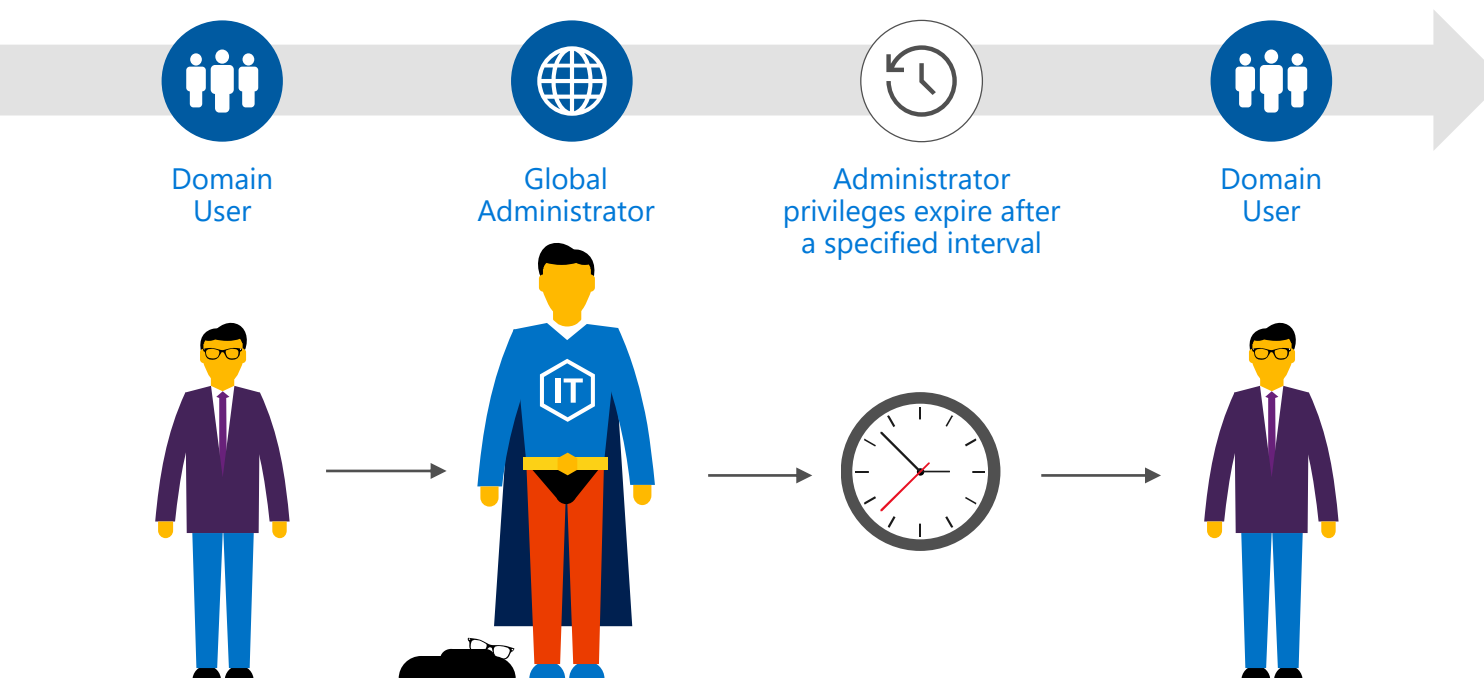
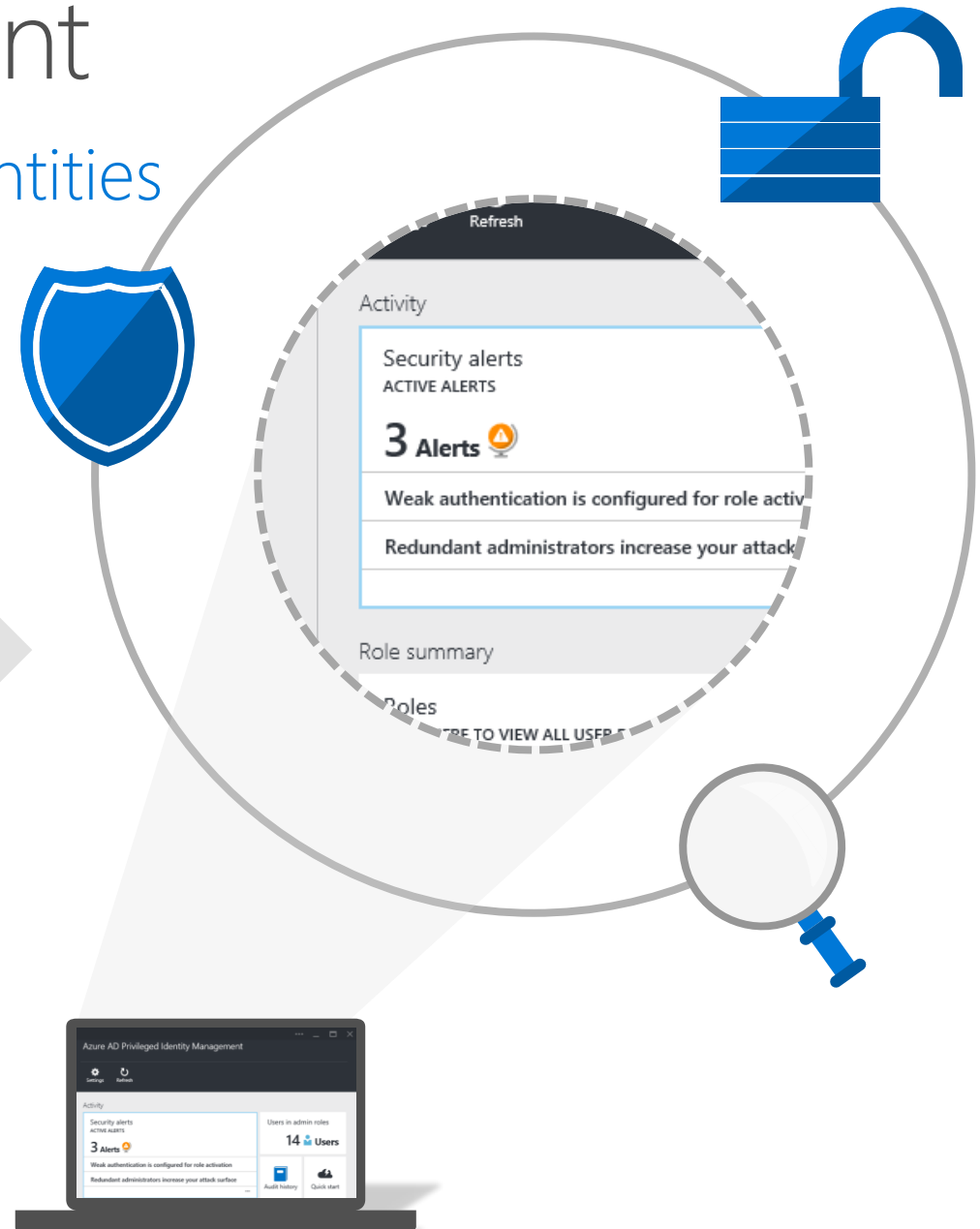


# Privileged identity management

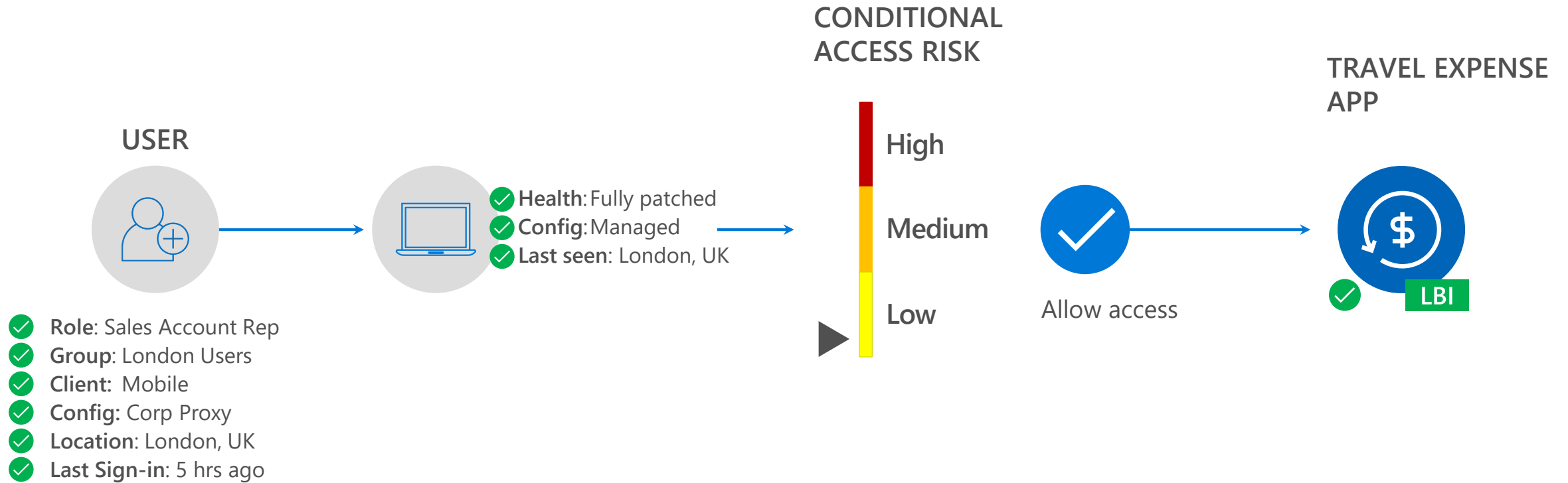
Discover, restrict, and monitor privileged identities

Enforce on-demand, just-in-time administrative access when needed

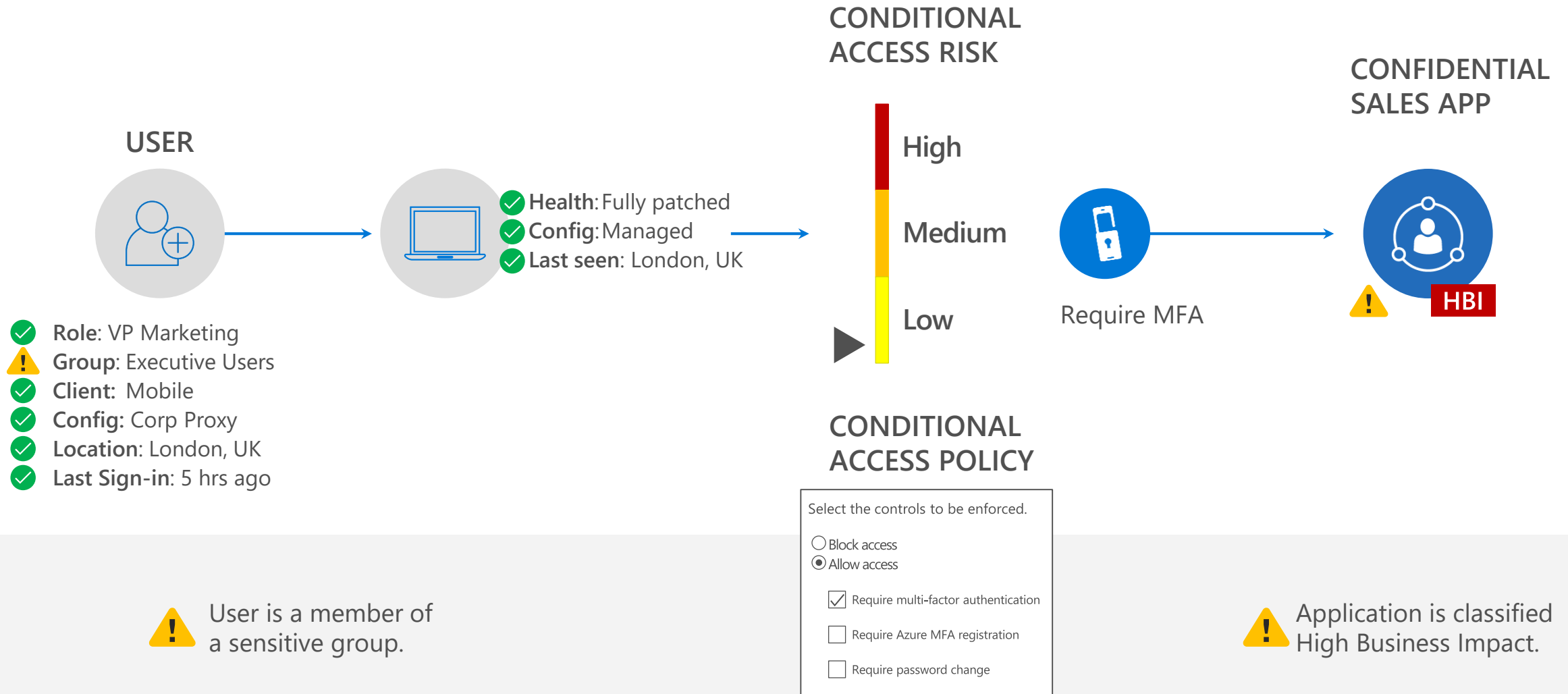
Use Alert, Audit Reports and Access Review



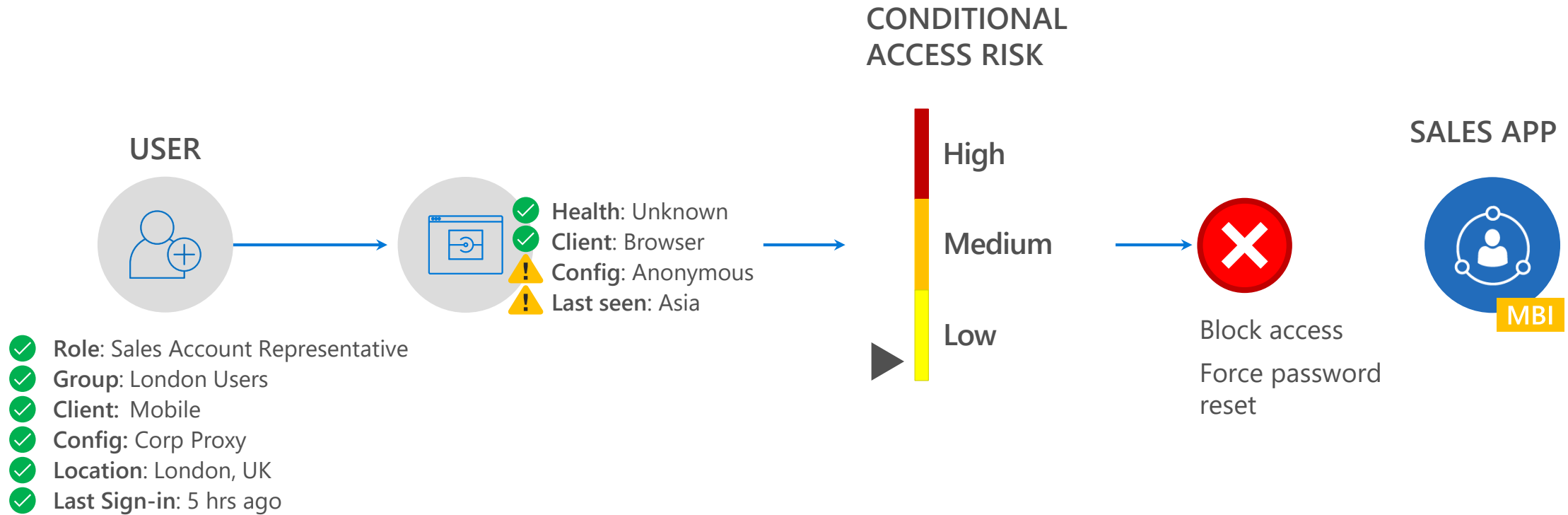
# I want to control access based on conditions



# I want to control access based on conditions



# I want to control access based on conditions



! Anonymous IP

! Unfamiliar sign-in location for this user



## Enterprise Mobility + Security

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**Protect your  
data anywhere**

Detect &  
remediate attacks



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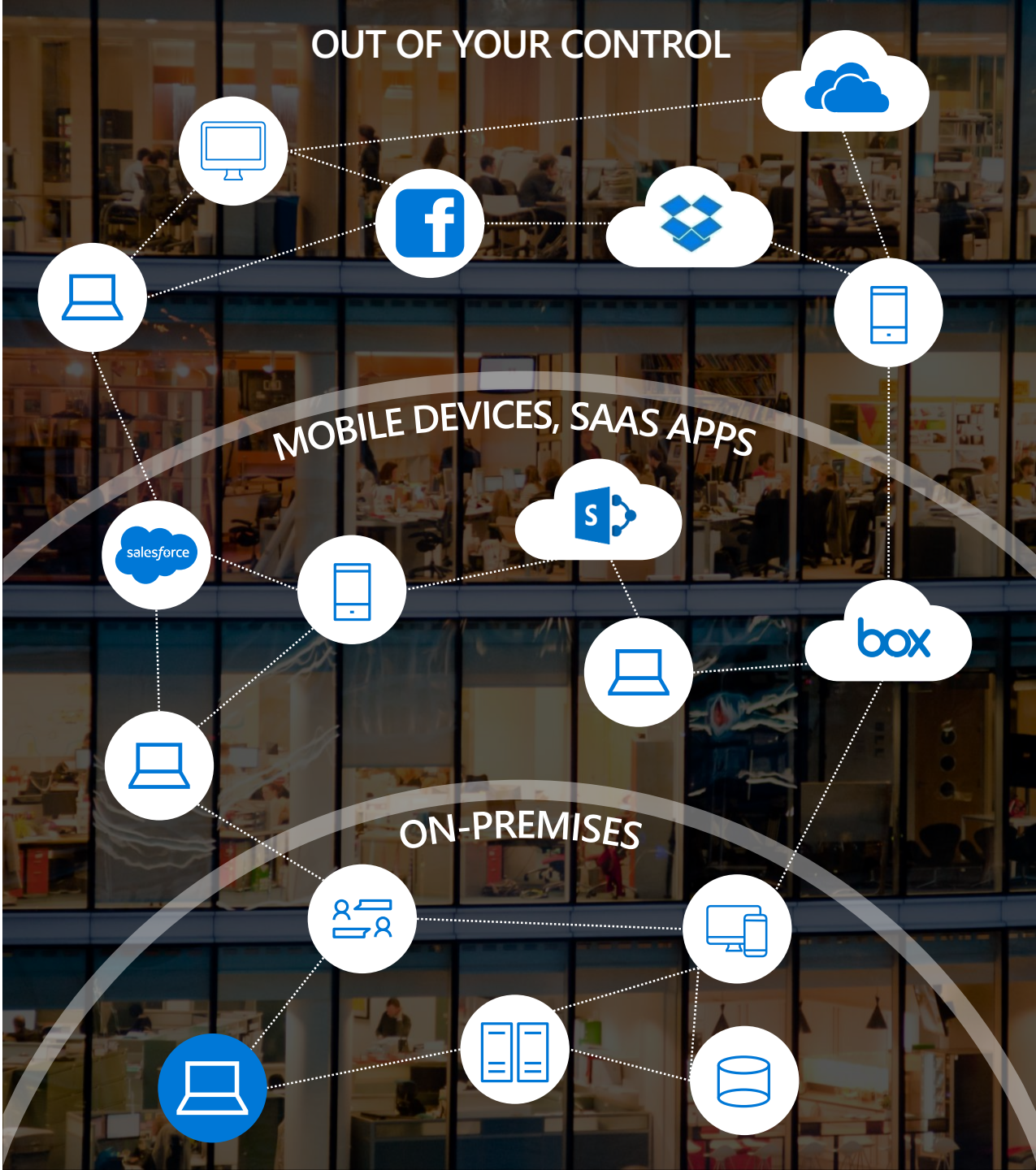
# 58%

of workers have  
accidentally shared  
sensitive data to  
the wrong person





How much control do you have over data?



How do I protect corporate files on mobile devices?



How do I discover and protect data in SaaS apps?

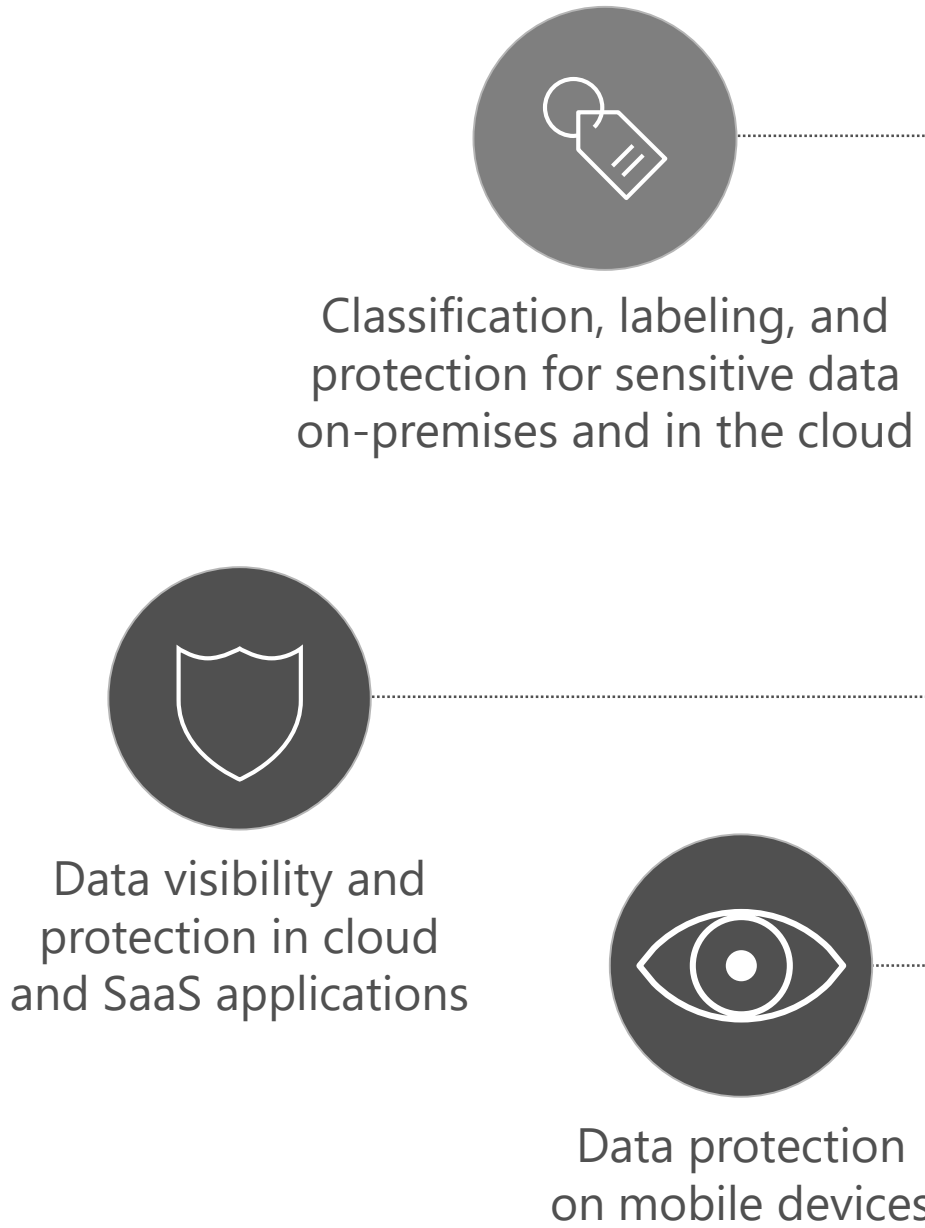


How do I protect the data that's shared externally?



How do I protect sensitive data on premises and in the cloud?





# Protect sensitive data on-premises and in the cloud

## Classification and labeling

Classify data based on sensitivity and add labels—manually or automatically.



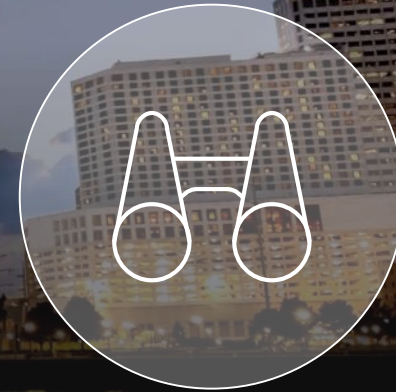
## Protection

Encrypt your sensitive data and define usage rights or add visual markings when needed.



## Monitoring

Use detailed tracking and reporting to see what's happening with your shared data and maintain control over it.



# Gain visibility and control over data in cloud apps

## Cloud discovery

Discover cloud apps used in your organization, get a risk assessment and alerts on risky usage.



## Data visibility

Gain deep visibility into where data travels by investigating all activities, files and accounts for managed apps.

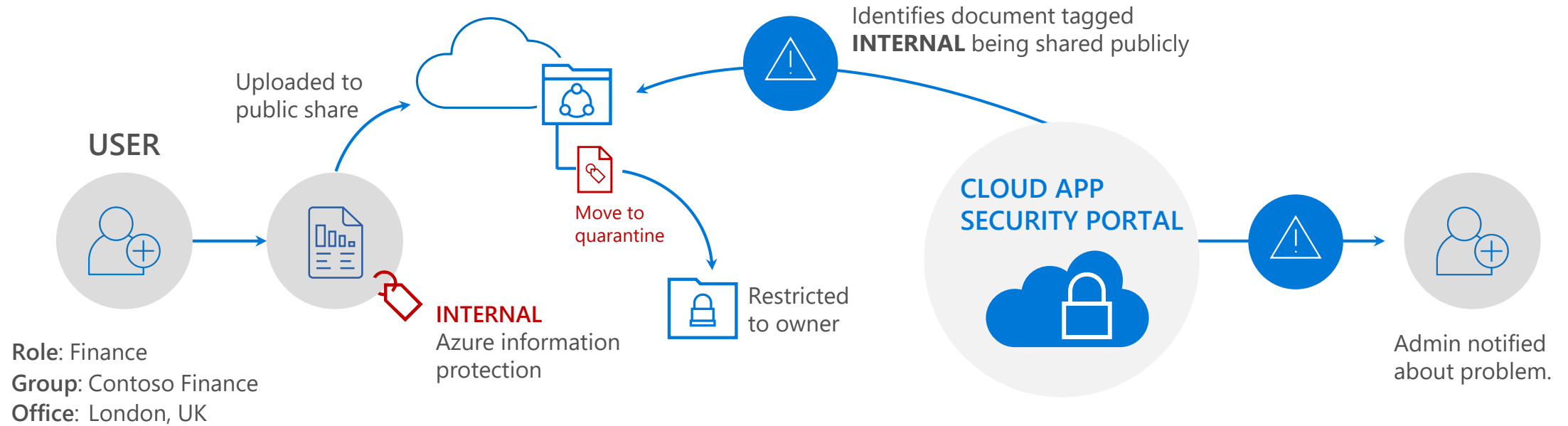


## Data control

Monitor and protect personal and sensitive data stored in cloud apps using granular policies.



# I want to protect and control data in cloud apps



# Secure devices and protect data at the app level

## Data control / separation

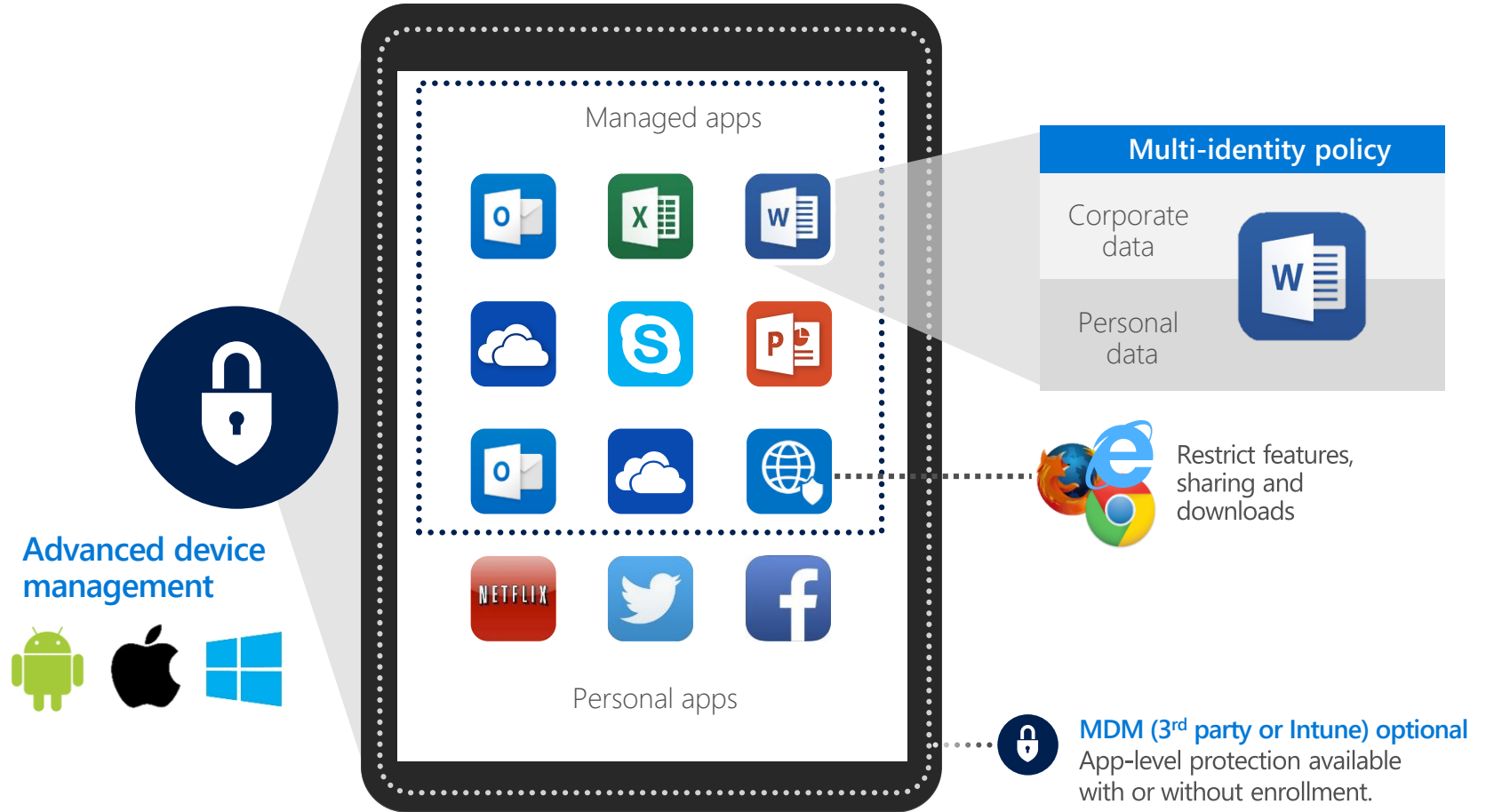
Control company data after it has been accessed, and separate it from personal data.

## Device security configuration

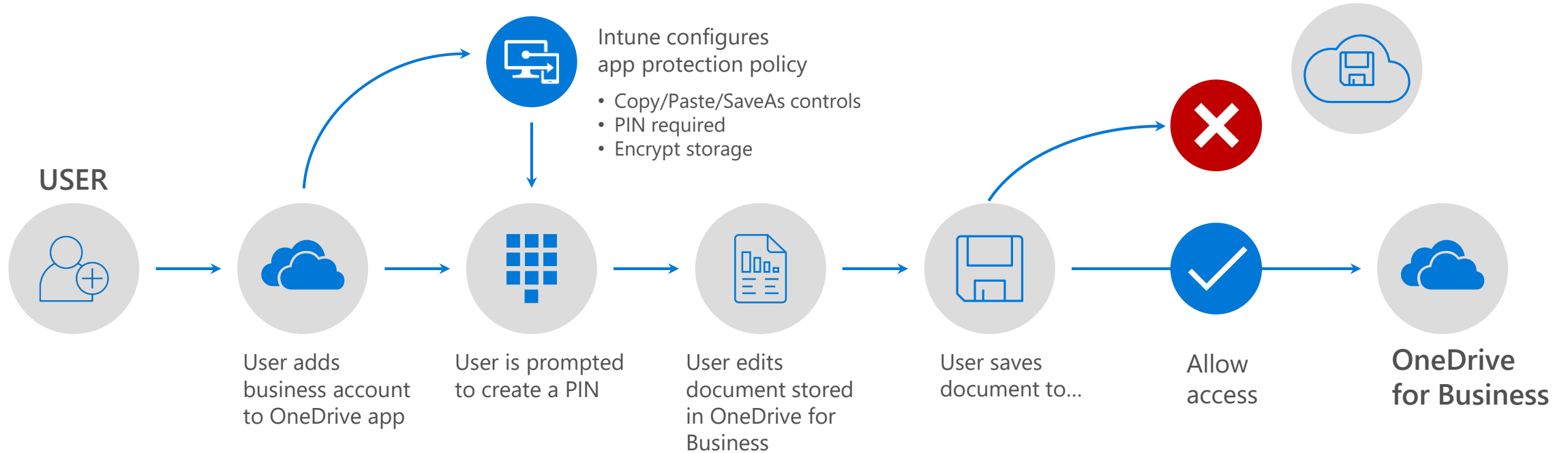
Enforce device encryption, password/PIN requirements, jailbreak/root detection, etc.

## Restrict apps and URLs

Restrict access to specific applications or URL addresses on mobile devices and PCs.



# I want to protect sensitive data on unmanaged devices







## Enterprise Mobility + Security

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data anywhere

**Detect &  
remediate attacks**



Enterprise Mobility + Security

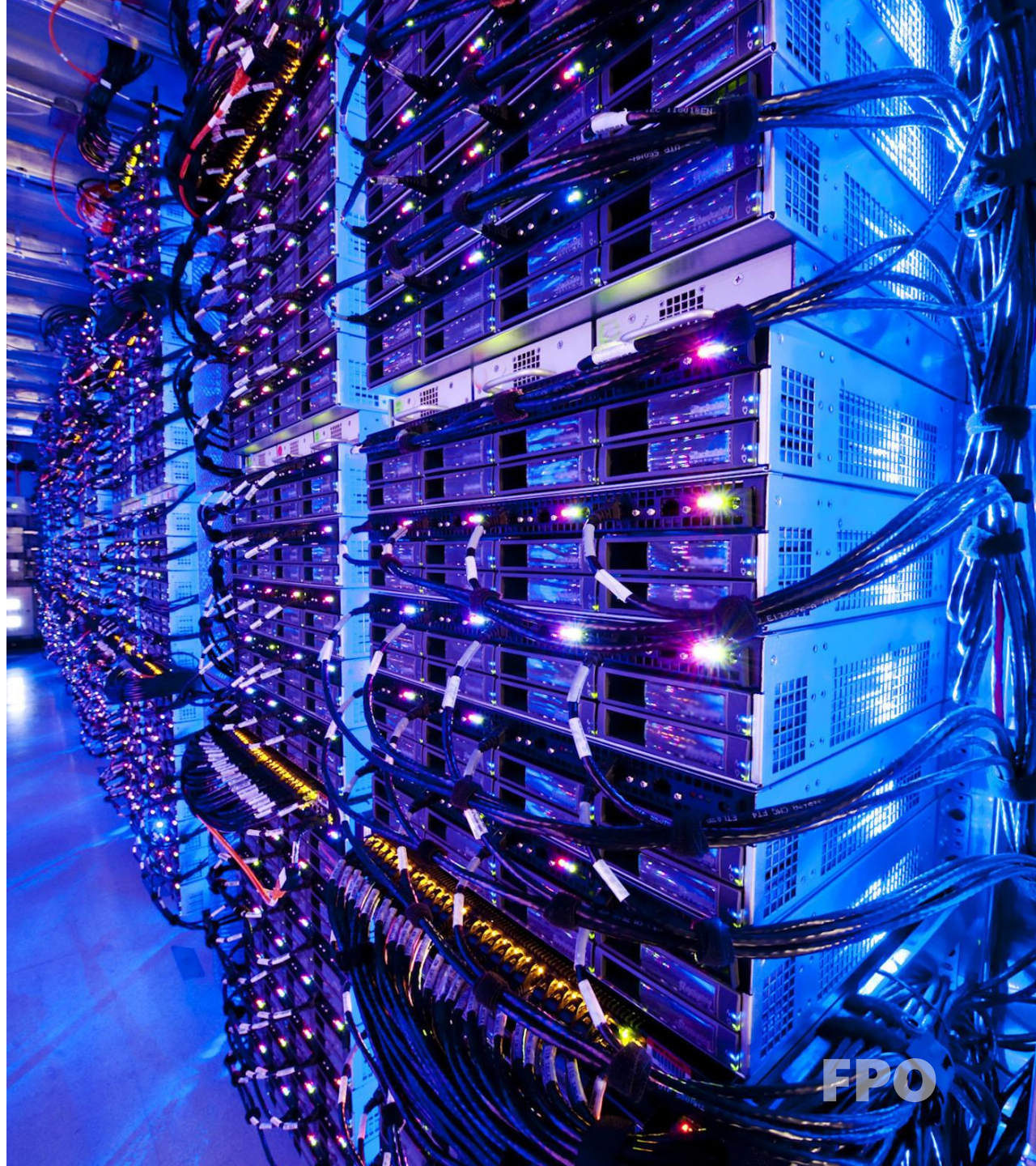
**Detect &  
remediate attacks**

# 91%

of cyberattacks and  
the resulting data  
breach begin with a  
spear phishing email



How quickly are you able to detect attacks?



How do I detect compromised credentials?

How do I detect attackers moving laterally in my environment?

How do I detect Pass-the-Hash? Pass-the-Ticket?

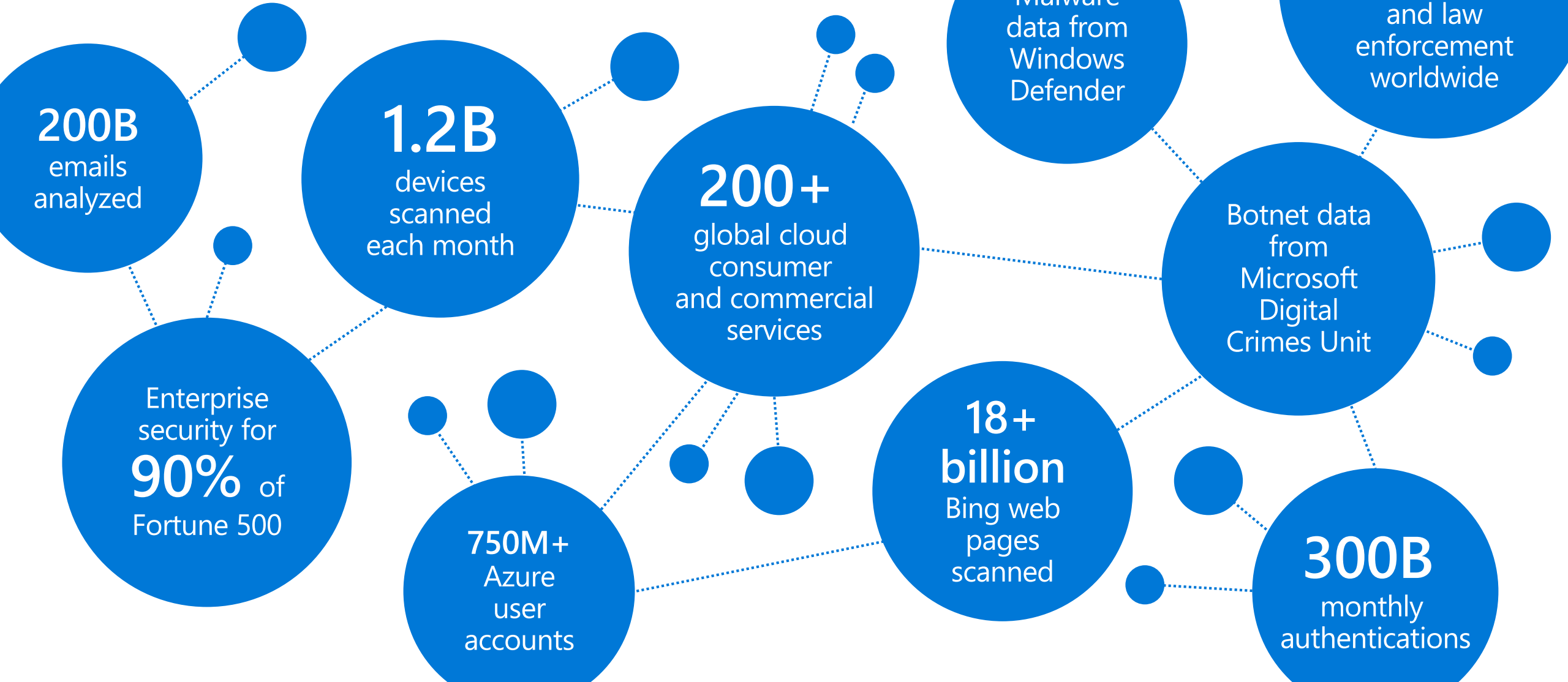
Aren't rules-based security solutions enough?

How can I remediate in real-time? Automatically?



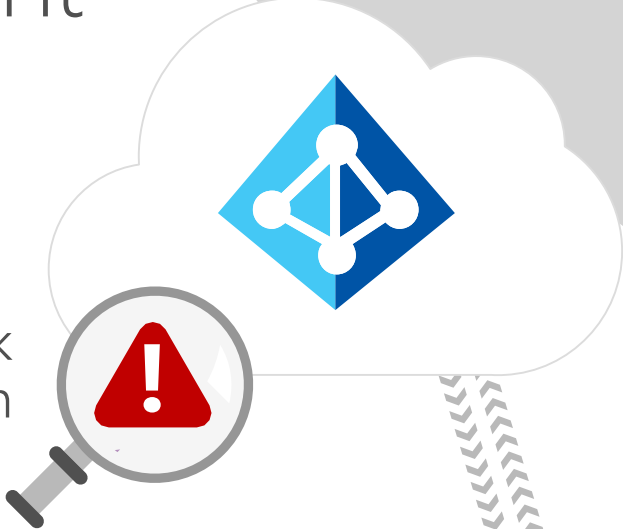
# Microsoft Intelligent Security Graph

Unique insights, informed by trillions of signals



# Behavioral analytics helps detect & prevent data breaches

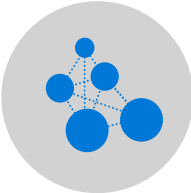
Identity-based attack and threat detection



Anomaly detection for cloud apps



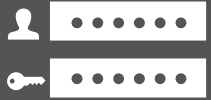
On-premises abnormal behavior and advanced threat detection



Powered by the Microsoft Intelligent Security Graph

# Microsoft Enterprise Mobility + Security

Holistic and innovative solutions for protection across users, devices, apps and data



Identity and access  
management



Mobile device &  
app management



Information  
protection



Threat  
protection

Azure Active Directory  
Premium

Microsoft  
Intune

Azure Information  
Protection

Microsoft Cloud  
App Security

Microsoft Advanced  
Threat Analytics

**2018** ATEA  
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CAMP**

# Tack för mig

Företag

Vill du veta mer, registrera dig vid utgången.

Betygsätt gärna passet i appen.

REJTA  
MITT PASS  
I APPEN





# Microsoft Enterprise Mobility + Security

