Microsoft Information Protection
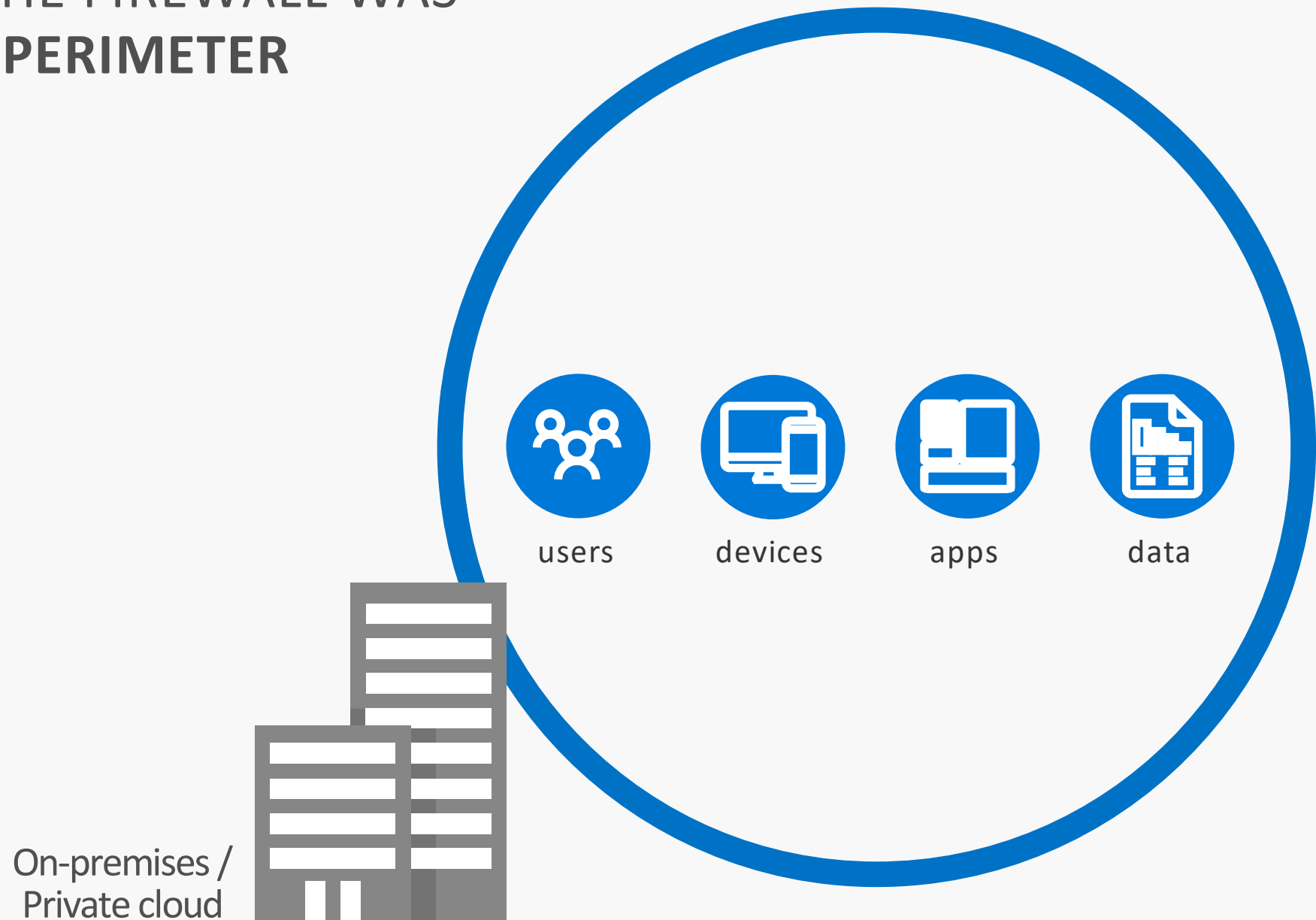
Enrique Saggese

Principal Program Manager – Customer Experience
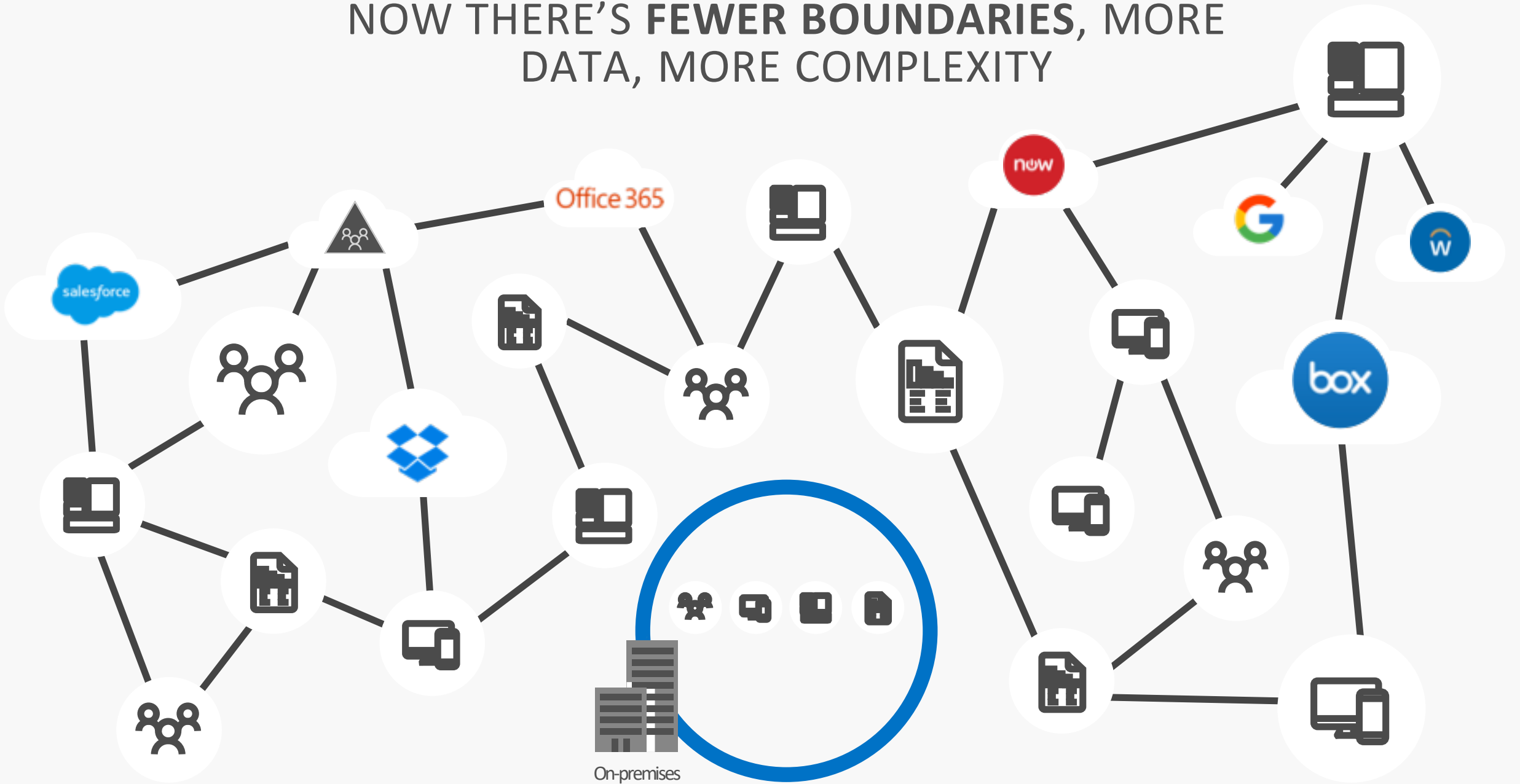
Information Protection

Microsoft

IN THE PAST, THE FIREWALL WAS THE **SECURITY PERIMETER**

users

devices

apps

data

On-premises / Private cloud

NOW THERE'S **FEWER BOUNDARIES**, MORE DATA, MORE COMPLEXITY

Office 365

salesforce

now

box

On-premises

Do you manage your IT environment?

Can you?

- Enumerate your users
- Authenticate them
- Control what they can do
- Control where they login
- Track their accesses
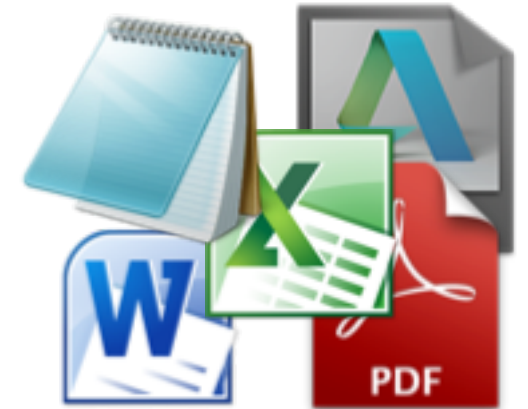- Revoke their access
- Customize their experiences

Can you?

- Enumerate your devices
- Authenticate them
- Configure them centrally
- Deploy them remotely
- Gather configuration and logs
- Block undesired devices

Can you?

- Inventory your applications
- Verify their legitimacy
- Deploy them remotely
- Configure them centrally
- Block undesired software
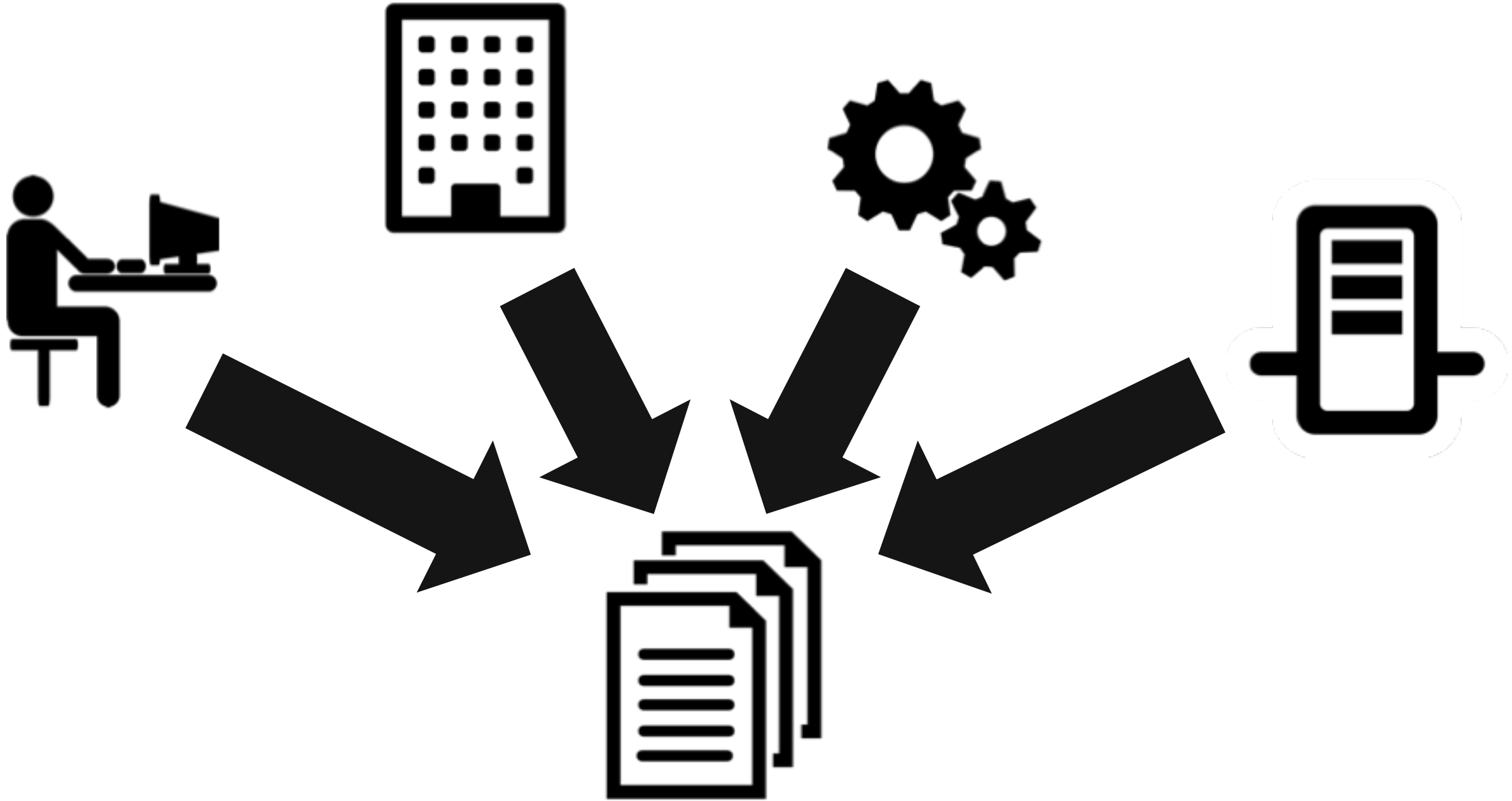- Customize options centrally

Can you?

- Enumerate your documents
- Configure access to them centrally
- Control where they are used
- Block undesired options
- Track their use
- Revoke their access

When should you start managing your data?

How to do it

Converging and simplifying
with Microsoft Information Protection

Content Discovery

Transport rules

SharePoint DLP

FCI

AIP

MCAS

Labeling and classification

FCI

Exchange classification

SharePoint tagging

AIP

Encryption and protection

Rights Management Services

EFS

Office 365 Message Encryption

WIP

Tracking and monitoring

RMS logs

Classification logs

Office 365 Compliance Center

MCAS alerts

WDATP

Content detection

Microsoft Information Protection
(based on O365 DLP capabilities)

Labeling and classification

Microsoft Information Protection
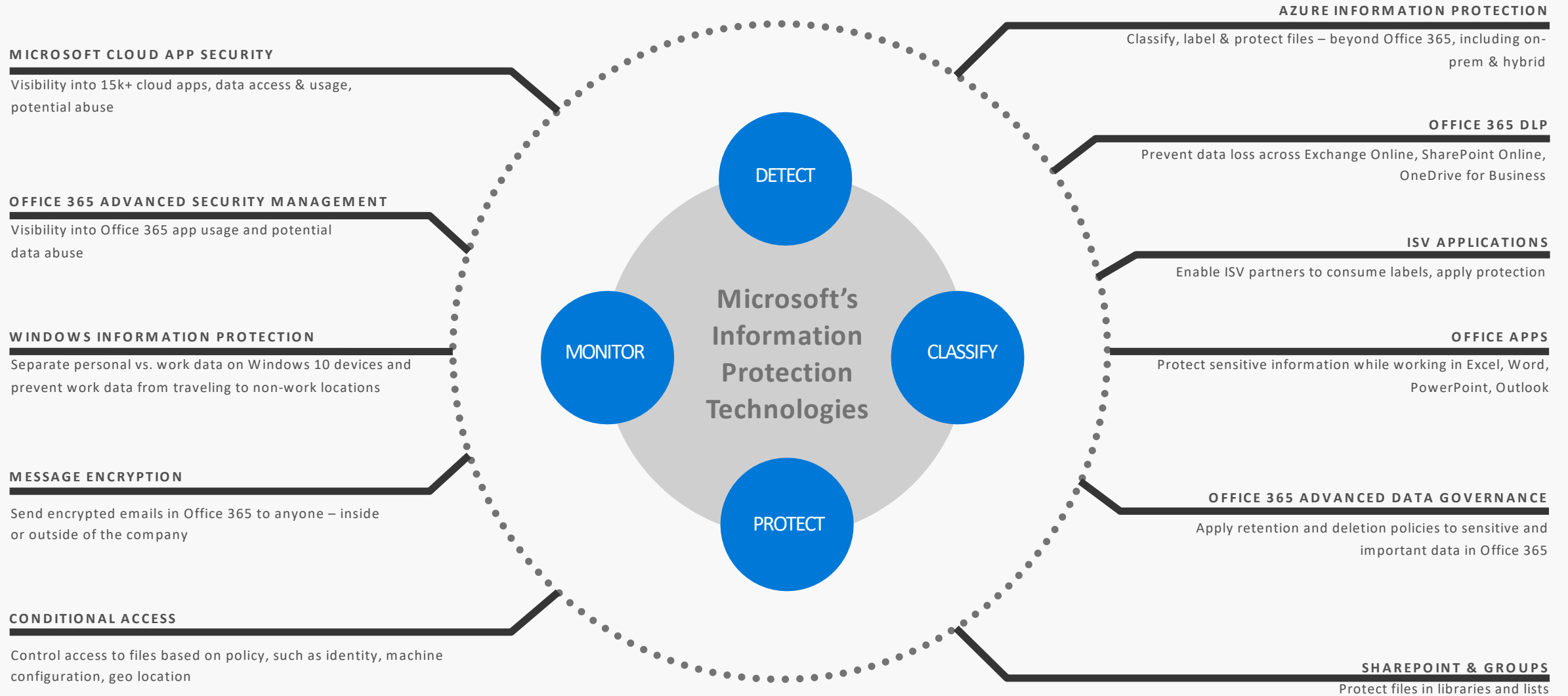(based on AIP encoding and UI)

Encryption and protection

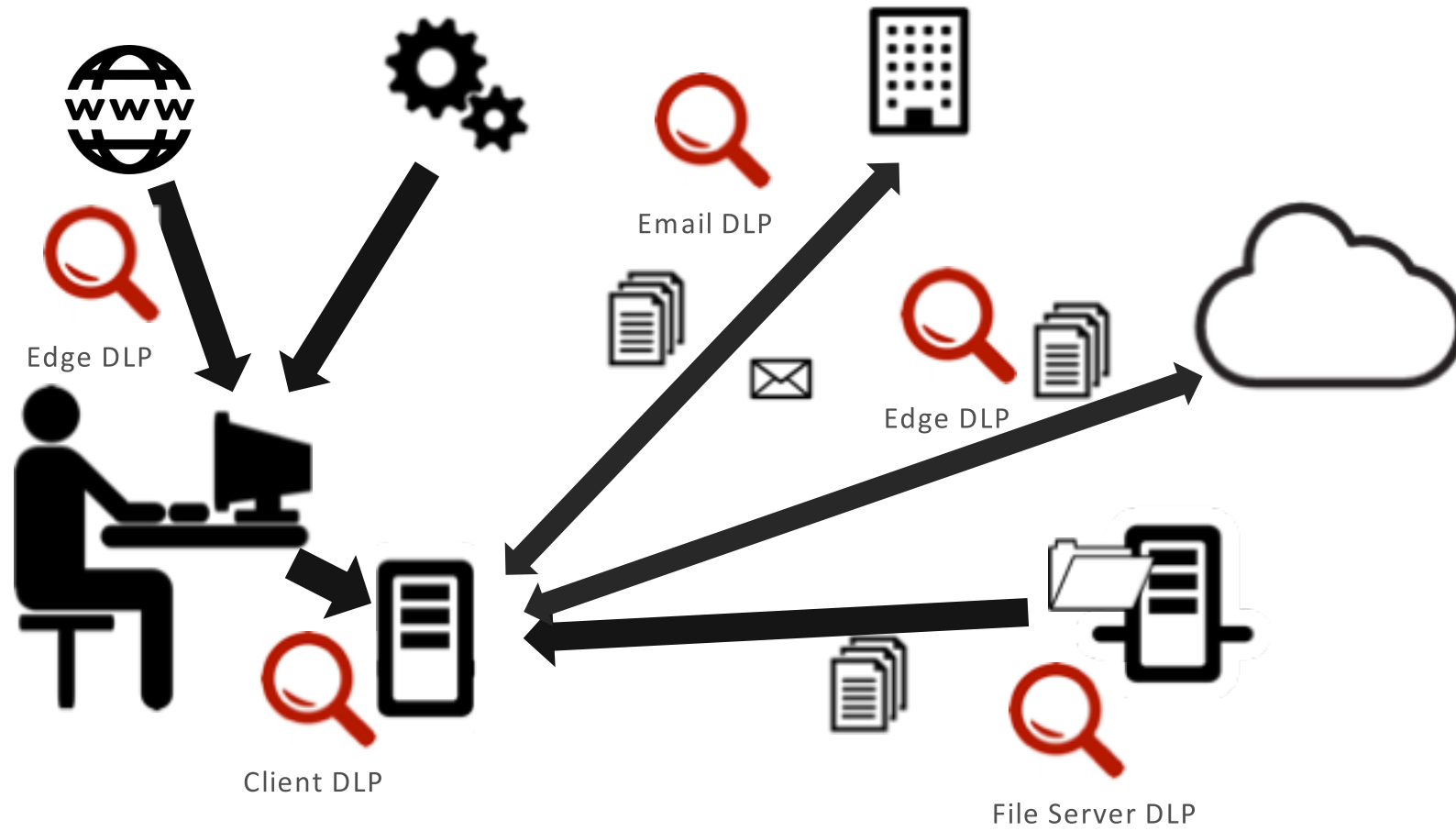Microsoft Information Protection
(based on RMS)

Tracking and monitoring

Microsoft Information Protection
(centered on Azure logging capabilities)
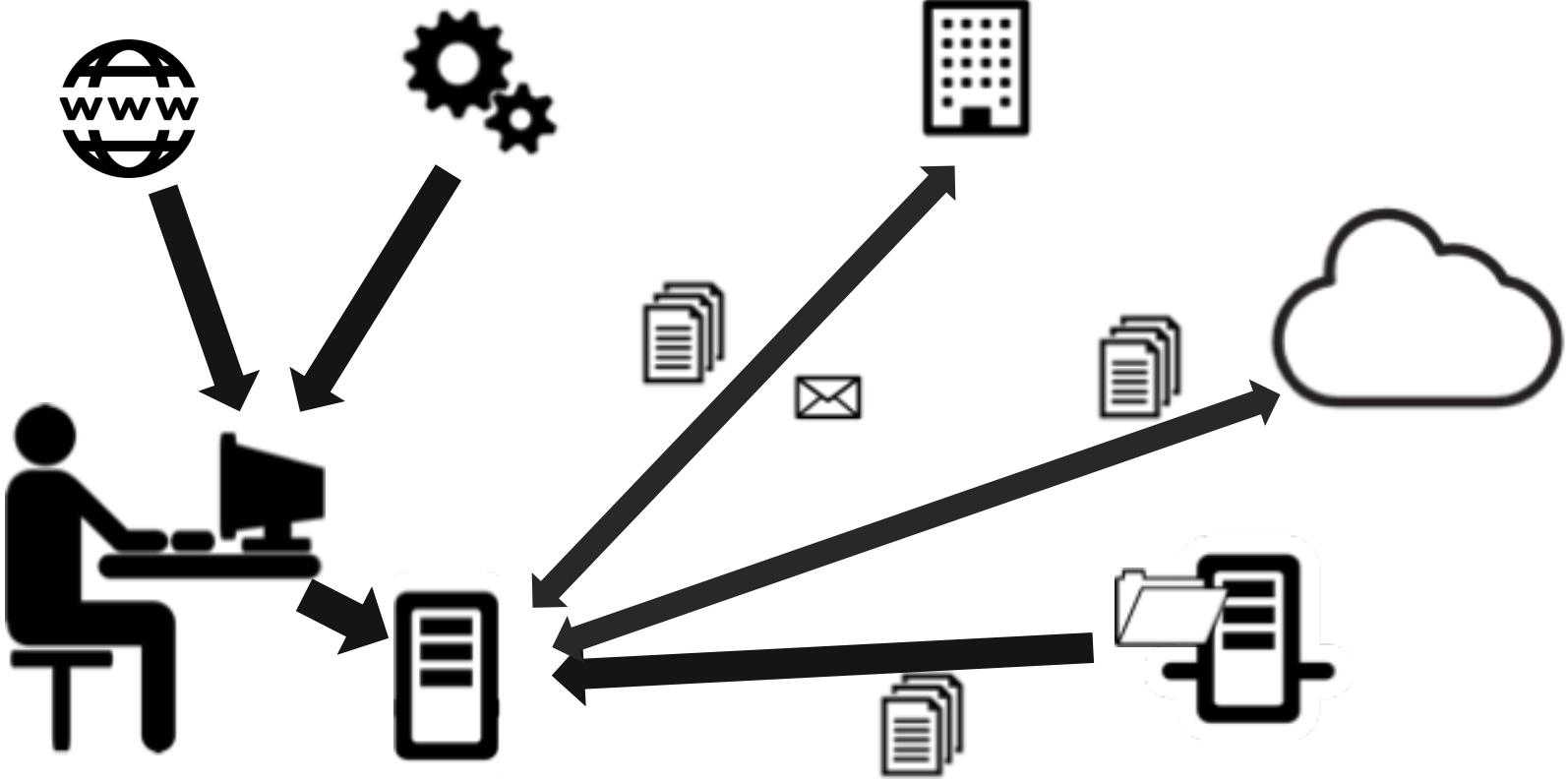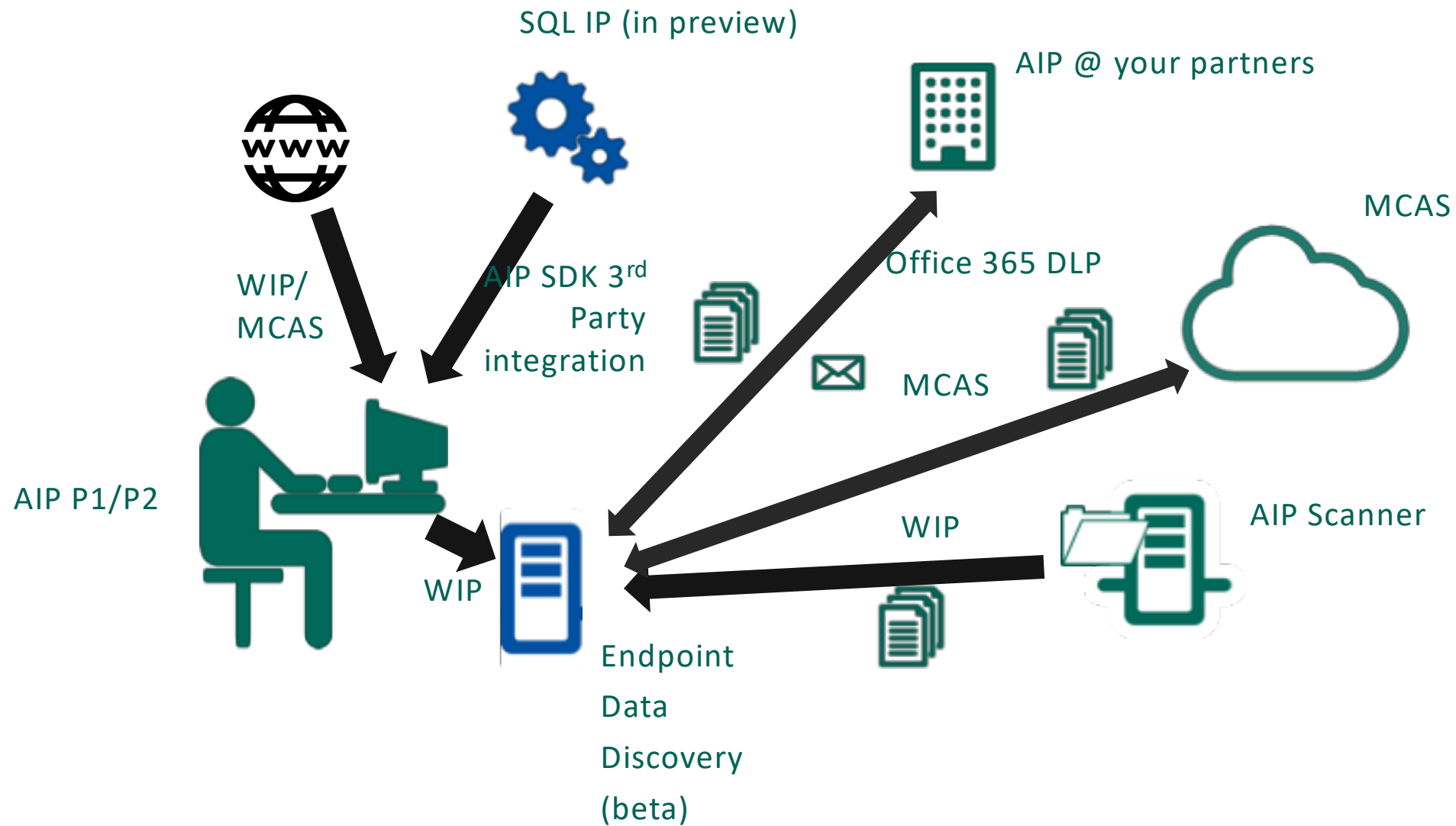
MICROSOFT'S INFORMATION PROTECTION SOLUTIONS

MICROSOFT CLOUD APP SECURITY

Visibility into 15k+ cloud apps, data access & usage, potential abuse

OFFICE 365 ADVANCED SECURITY MANAGEMENT

Visibility into Office 365 app usage and potential data abuse

WINDOWS INFORMATION PROTECTION

Separate personal vs. work data on Windows 10 devices and prevent work data from traveling to non-work locations

MESSAGE ENCRYPTION

Send encrypted emails in Office 365 to anyone – inside or outside of the company

CONDITIONAL ACCESS

Control access to files based on policy, such as identity, machine configuration, geo location

DETECT

MONITOR

Microsoft's Information Protection Technologies

CLASSIFY

PROTECT

AZURE INFORMATION PROTECTION

Classify, label & protect files – beyond Office 365, including on-prem & hybrid

OFFICE 365 DLP

Prevent data loss across Exchange Online, SharePoint Online, OneDrive for Business

ISV APPLICATIONS

Enable ISV partners to consume labels, apply protection

OFFICE APPS

Protect sensitive information while working in Excel, Word, PowerPoint, Outlook

OFFICE 365 ADVANCED DATA GOVERNANCE

Apply retention and deletion policies to sensitive and important data in Office 365

SHAREPOINT & GROUPS

Protect files in libraries and lists

The traditional DLP approach

Risk takes many forms

The Microsoft Information Protection solution

SQL IP (in preview)

AIP @ your partners

MCAS

WIP/ MCAS

AIP SDK 3rd Party integration

Office 365 DLP

MCAS

AIP P1/P2

WIP

WIP

AIP Scanner

WIP

Endpoint Data Discovery (beta)

WHERE ARE WE TODAY?

Discover

- Manual and automatic detection (on doc save) available in Windows
- Ability to consume classified docs in all platforms
- Indirect integration with Exchange and SharePoint DLP (and others)
- AIP Scanner can scan and autoclassify all onprem repositories
- Indirect integration with FCI for Windows File Servers
- MCAS can scan and autoclassify cloud repositories
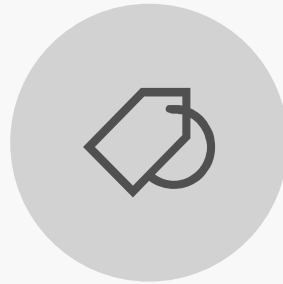
Classify

- Labeling can trigger content markings on Windows
- Labels can be used by third party solutions
- Indirect integration with Exchange and SharePoint DLP

Protect

- Can protect documents on Windows, Mac and iOS
- All platforms can consume protected documents with the right apps
- All platforms can consume protected emails and attachments without installing any app
- SharePoint IRM and Exchange DLP can apply protection
- PDF supported in the AIP app and some third party solutions
- Conditional access based on device/authentication method/other
- Full collaboration with any identity/device for emails and attachments

Monitor

- Doc tracking portal available to end users
- Central logging for protection
- Standard statistical reports available in Azure portal
- Protection logs can be downloaded and analyzed
- Classification logs can be collected and analyzed

WHAT'S COMING SOON

Discover

- Manual and automatic detection available in Windows **and Mac, iOS, Android, Web apps**
- Ability to consume classified docs **and view classification labels** in all platforms
- **Native** integration with Exchange and SharePoint DLP (and others)
- AIP Scanner can scan and autoclassify all onprem repositories **with central management UI**
- MCAS can scan and autoclassify cloud repositories

Classify

- Labeling can trigger content markings on Windows **and Mac**
- **Labels implemented natively in third party solutions**
- **Native support** in Exchange and SharePoint for handling labeled documents

Protect

- All common platforms can consume **and create** protected documents with the right apps
- All platforms can consume protected emails and attachments without installing any app
- Full collaboration with any identity/device for emails and attachments
- SharePoint **can support protected documents natively**
- Exchange **can process protected documents natively**
- PDF supported **natively in Adobe apps** (and others)
- Conditional access based on device/authentication method/other **based on label**
- **WIP supports MIP labeling**

Monitor

- Doc tracking portal available to end users
- Central logging for protection **and classification**
- **Standard analysis reports for protection and classification**
- **Automatic alerts and actions for suspected abuse**

Microsoft's Information Protection roadmap

Support for labeling & protection for Word, PowerPoint, Excel docs, & Outlook emails across platforms

	Recent	H1 CY18	H2 CY18	
View and protect content			Preview	View labeled & protected Word, PowerPoint and Excel documents in Office Online (also enables co-authoring).
	Preview ✓		GA	View protected PDFs in Adobe Reader on Windows.
	GA ✓			Create protected Word, PowerPoint and Excel documents on iOS.
Label sensitive content			GA	Labeling of Word, PowerPoint and Excel documents on iOS.
			GA	Labeling of Word, PowerPoint and Excel documents on Android.
			GA	Labeling of Word, PowerPoint, Excel and Outlook in Office for Mac.
			GA	Labeling of Word, PowerPoint and Excel in Office Online.
			Preview	Labeling of Word, PowerPoint, Excel and Outlook emails natively in Office on Windows.
			GA	Labeling of emails natively in Outlook on iOS.
			GA	Labeling of emails natively in Outlook on Android.
				Labeling of emails natively in Outlook on the Web. *Timing tbd, pending scoping*
			GA	Labeling and protection of PDFs in Adobe Acrobat Pro on Windows.
	Preview ✓		GA	Automatic labeling and protection of data in SaaS apps using Azure Information Protection & MCAS.
	GA ✓			Automatic labeling and protection of on-premises data with Azure Information Protection scanner.
Unified labeling schema & platform		Preview	GA	Unified labeling schema between Azure Information Protection & Office 365.
		Preview	GA	Information Protection SDK for labeling and Protection on Windows, Linux and Mac.
			GA	Information Protection SDK for labeling and Protection on iOS and Android.
		Preview	GA	DLP triggers on labels for Word, PowerPoint, Excel and email in Exchange, SharePoint, OneDrive and MCAS.
Service enhancements & integrations		GA		New GDPR sensitive information types and template.
		Preview	GA	Information Protection reporting dashboard.
			Preview	SharePoint Online can decrypt labeled and protected documents to allow index, search, eDiscovery.

Notes: Use the Azure Information Protection add-in until natively available in Office on Windows.