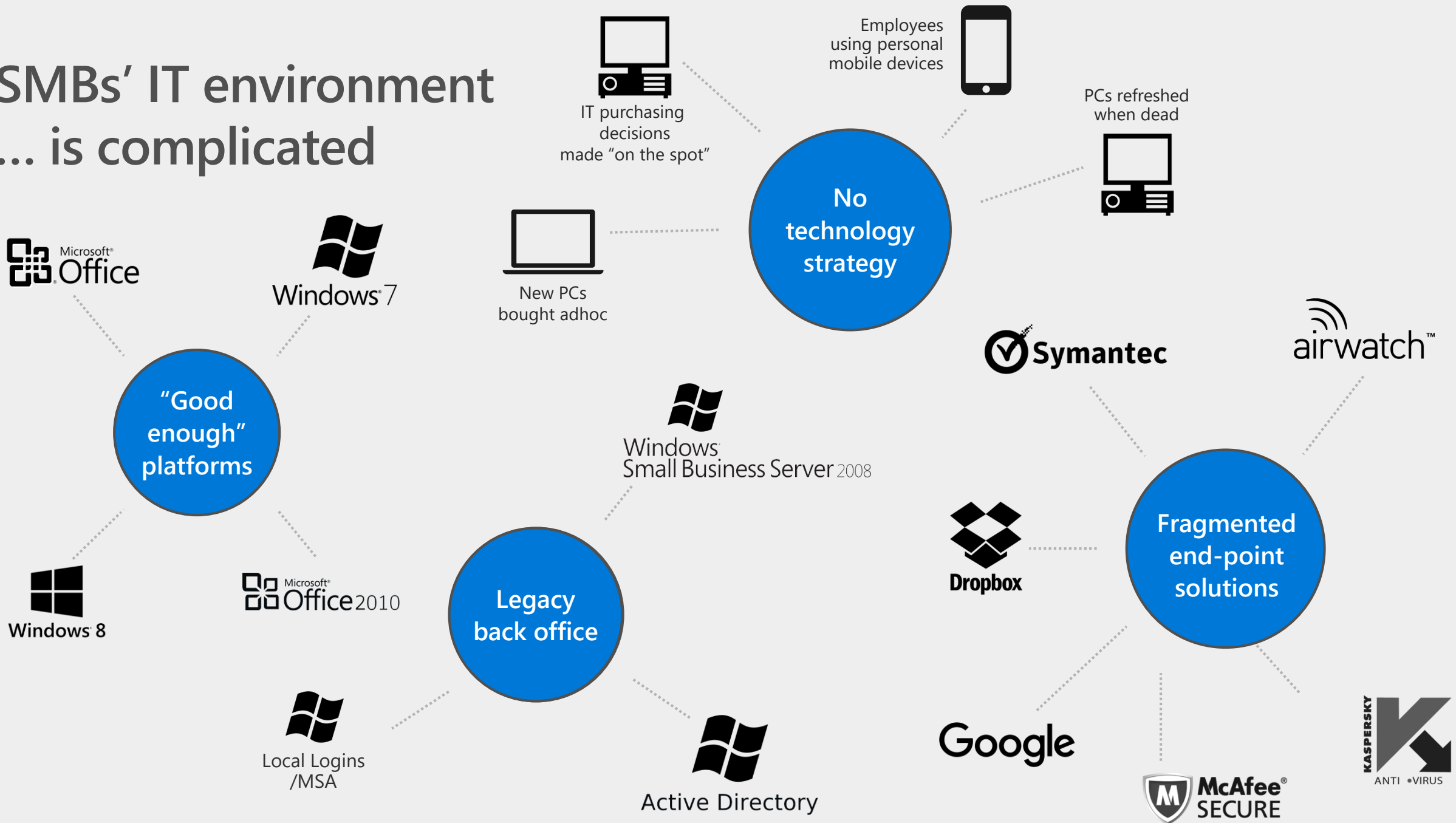


# O Desktop *Moderno*

Pedro Custódio  
Technical Consultant Microsoft Portugal



# SMBs' IT environment ... is complicated



# The workplace is changing



## Culture

---

### The new currency

91% believe that technology choices reflect on the company<sup>1</sup>

## Space

---

### The accessible, everywhere office

The millennial workforce is choosing employers based on flexible working, international opportunities and fulfilling work.<sup>2</sup>

## Technology

---

### Enabling secure working and collaboration

43% of cyber-attacks target small businesses.<sup>3</sup>

50% more time in collaborative activities<sup>4</sup>

# Modern work demands modern devices and services

## ...to attract and retain talent

Surface focuses on people-centric design, so customers can inspire their employees with devices that naturally enhance the way people work.

## ...to embrace new workstyles

Surface devices, backed with Microsoft 365, provides users with cloud-based business apps, collaboration tools and easy connectivity.

## ...to protect businesses

Surface devices come standard with Windows 10 Pro, Microsoft's most secure operating system. And Microsoft 365 offers even more robust protection.



# Technology challenges faced by small and mid-sized businesses today



Keep technology  
up-to-date



Mobile, distributed  
workforce



Protecting sensitive  
data



Cyber threats &  
phishing schemes

# Securely run and grow your business

## Get more done

Increase productivity with intelligent tools built into the Office you love along with enterprise grade email and file storage.



## Work better together

Collaborate, share, and communicate with flexible tools that go where your team goes.



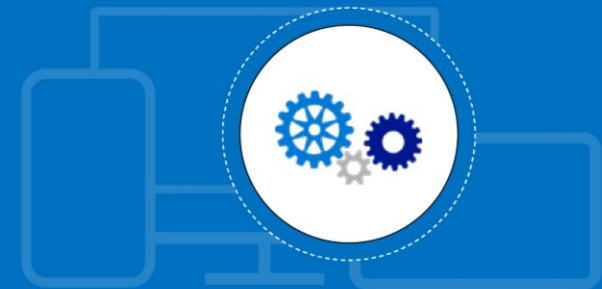
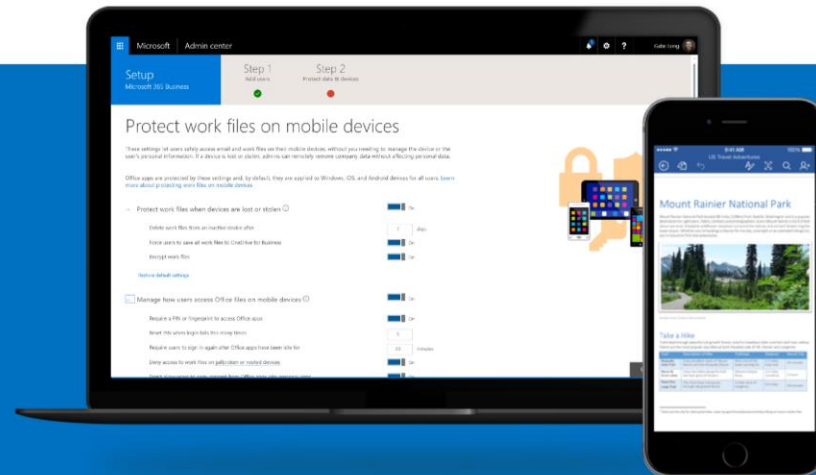
## Build your business

Get more customers and improve the efficiency of your business operations



## Safeguard your business

Help protect your company against external threats and data leaks with built-in privacy compliance tools.



## Simplified for you

Easily setup and manage your users, devices and data, giving you more time to focus on your business.

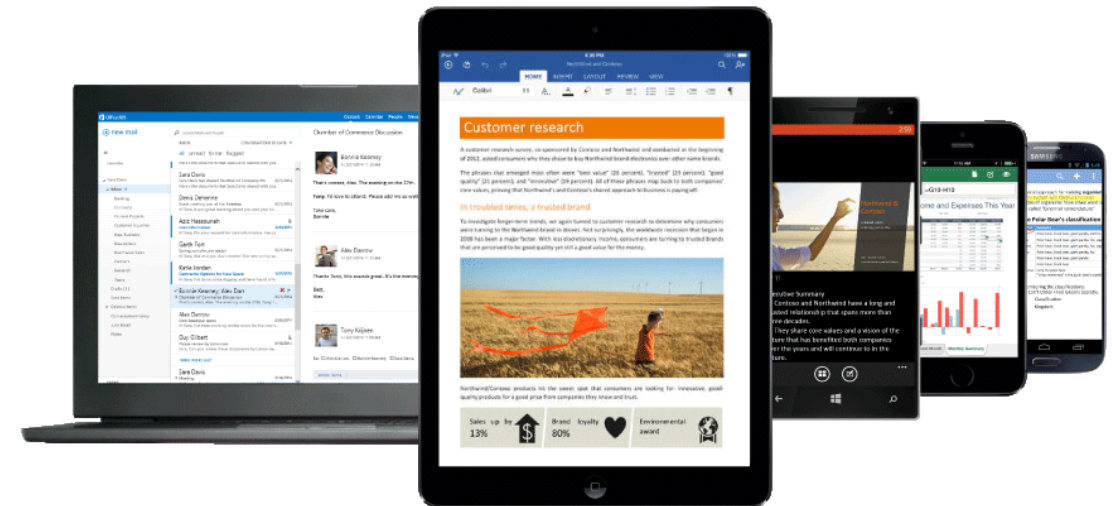
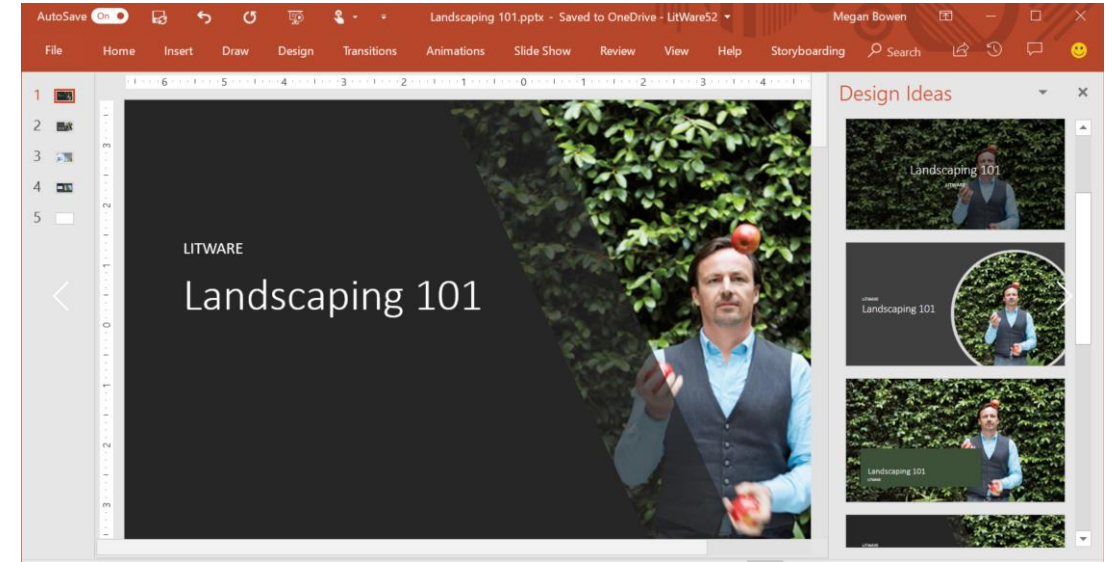
# Get more done

Create your best work with **intelligent tools** built in to the Office you love and are familiar with

**Get work done on the go** with enterprise grade email and calendaring features

Stay on top of all your work with **access to all your files** with online file storage

Work efficiently with **integration to other apps and solutions** you use daily



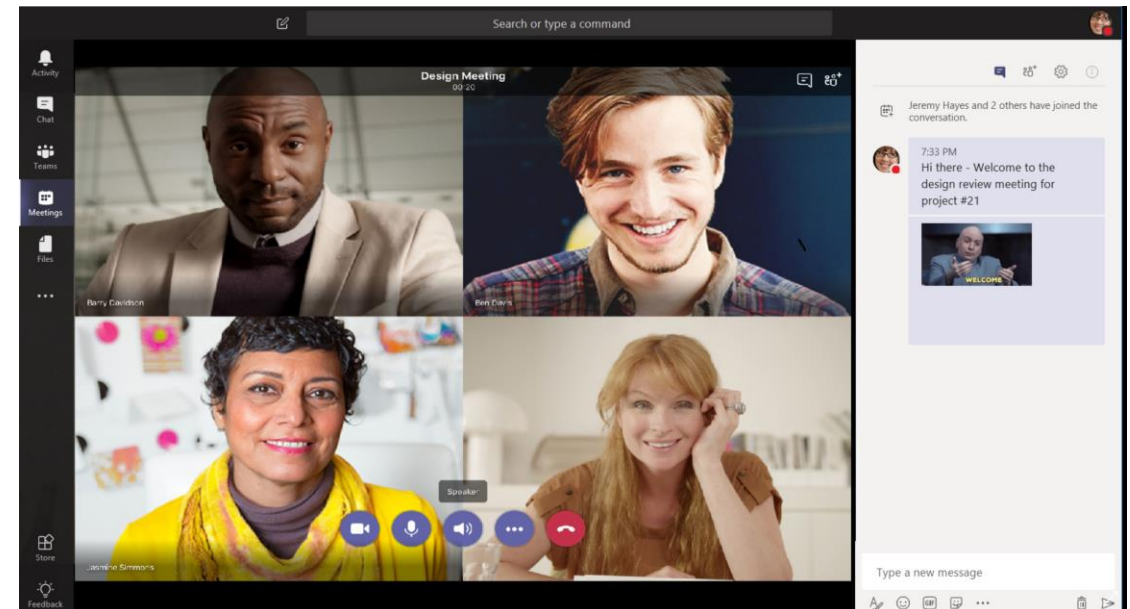
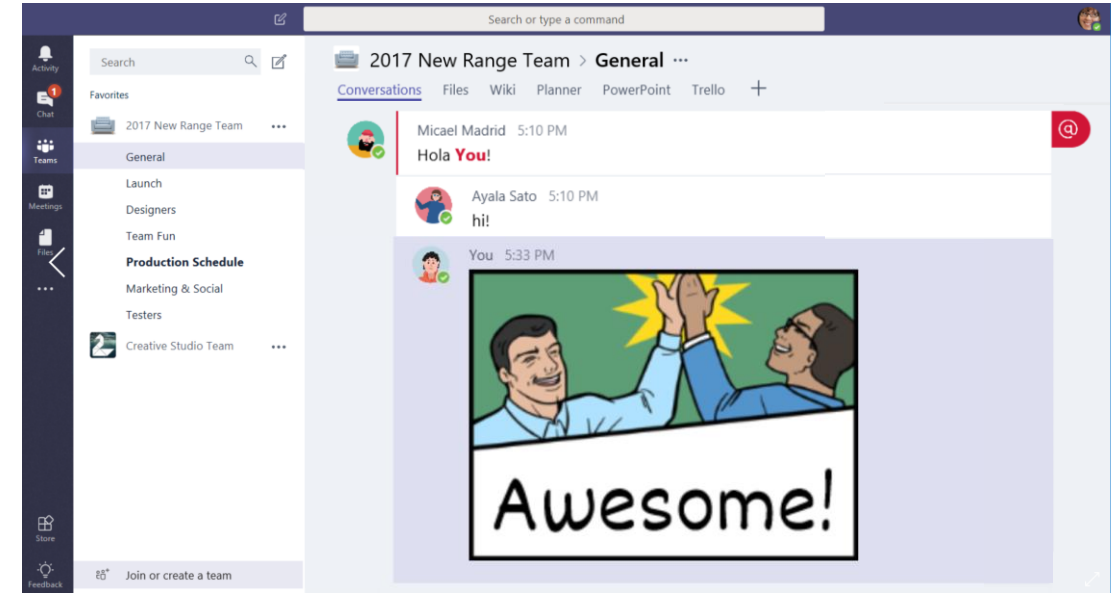
# Work better together

Bring together teams and resources, **all in one place**

**Connect** with customers, coworkers, and suppliers

Work anywhere **from any device**

Host online meetings to **get work done in real-time**

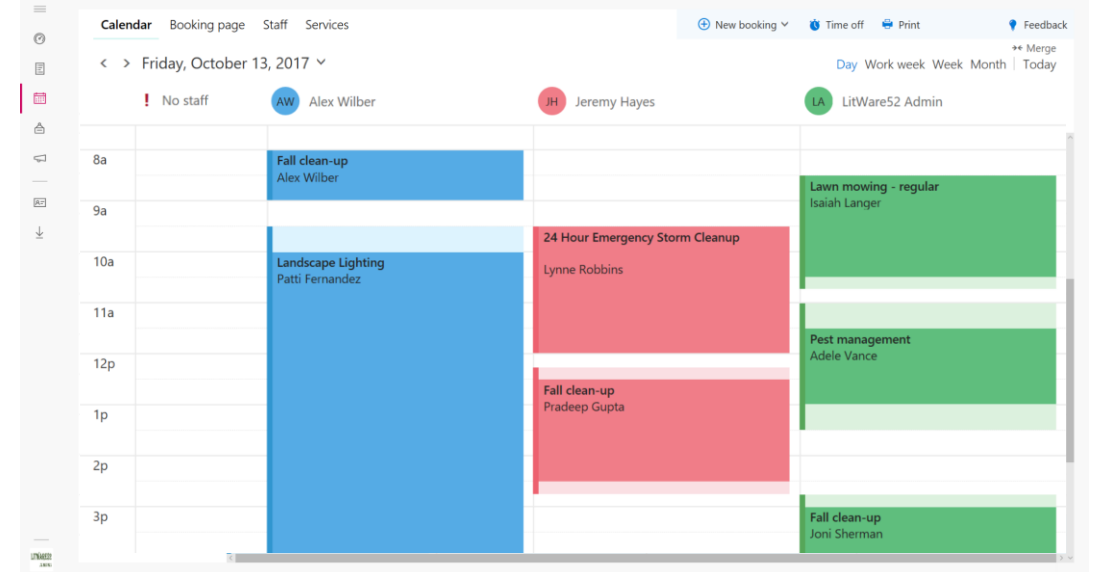


# Build your business

Build **stronger customer relationships** with CRM built right into Outlook

**Schedule & manage appointments** with your customers with Bookings

**Optimize your business processes** with Planner



# Safeguard your data



Protect your company against external threats and data leaks



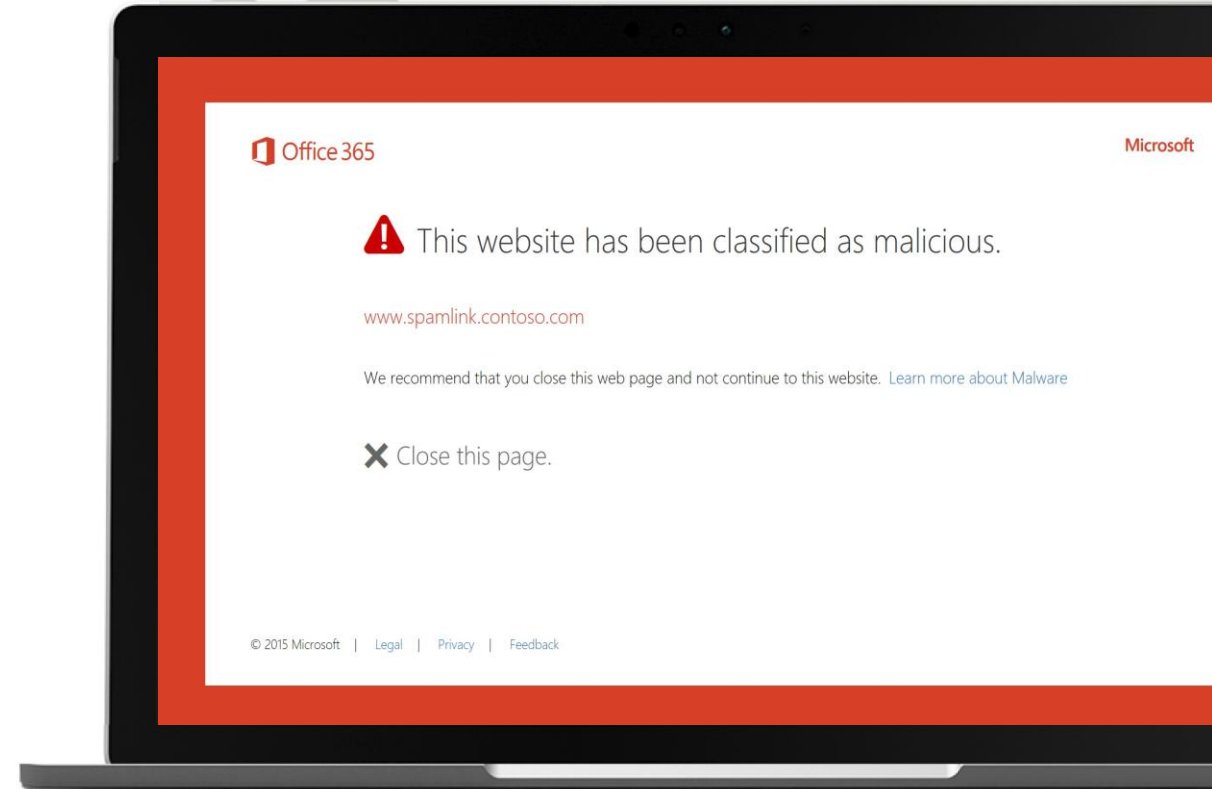
Protection from threats



Protection from data leaks



Control data access

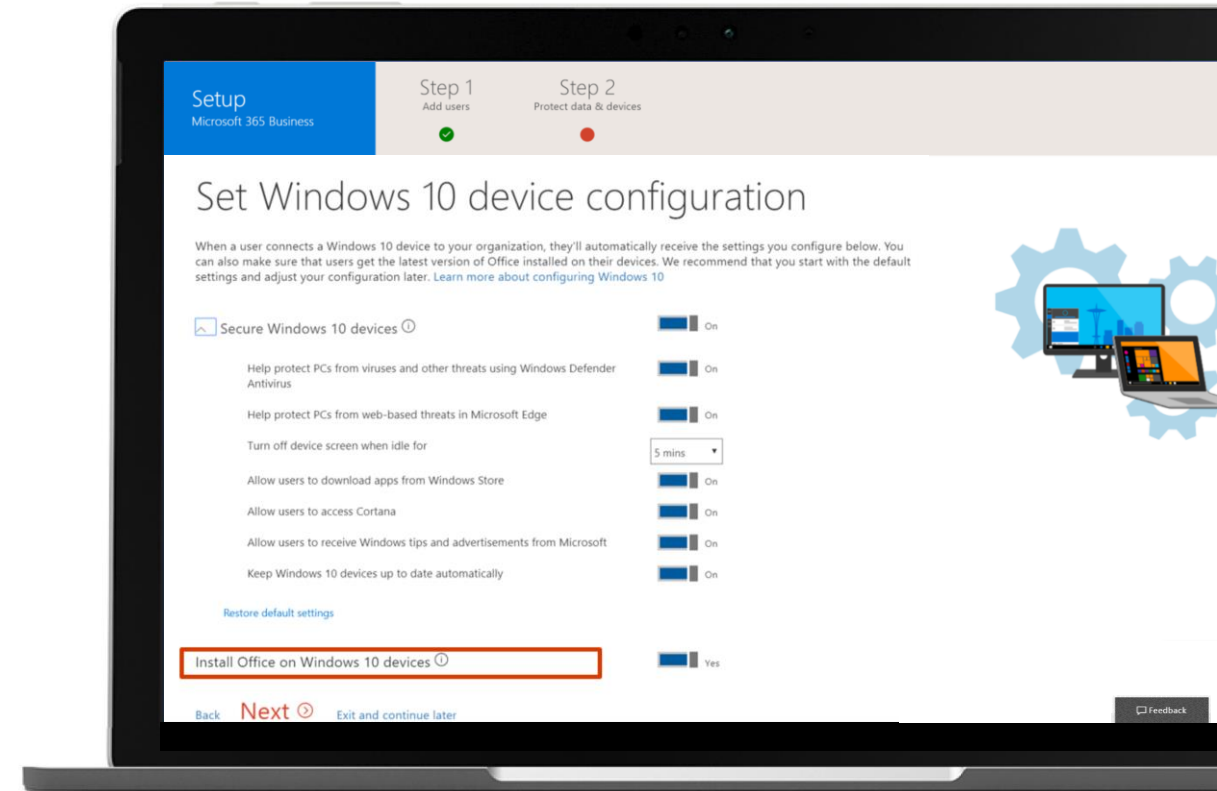


# Simplified for you

Get up and running quickly with a step-by-step guided experience

Use a **simplified admin center** to manage your services, users, and devices

Standardize your security with easy toggles and pre-configured policies



# Microsoft 365



## Office 365

### Office Applications

Word, Excel, PowerPoint, Outlook, and more

### Online Services

Exchange, OneDrive (1TB), Teams, and more

### Advanced Services

Exchange Online Archiving



## Advanced Security

### External Threat Protection

Office 365 Advanced Threat Protection  
Multi-Factor Authentication  
Enforce Windows Defender to be on  
Enforce Bitlocker to be turned on

### Internal data leak prevention

Data Loss Prevention  
Azure Information Protection



## Device management

### Device management

Microsoft Intune  
Windows 10 Credential guard  
SSO > 10 apps

### Deployment assistance

Windows Autopilot  
Auto-installation of Office apps  
AAD Auto-enroll

## Additional Benefits

Consistent security configuration across Windows 10, macOS, Android, and iOS devices

Upgrade from Windows 7 Pro or Windows 8.1 Pro to Windows 10 Pro at no additional cost

99.9% financially-backed uptime guarantee; 24x7 online and phone support

# Shift to a modern desktop with Surface and Microsoft 365

Windows 7 and Office 2010 End of Support (in January 2020) present a \$100b+ Partner services and solutions opportunity for shifting customers to a modern desktop over 3 years<sup>1</sup>

Over 50% of SMB customers run older versions of Windows on their PCs.<sup>2</sup>

69% of SMBs are not aware of the end of support dates.<sup>2</sup>

The total cost of owning a 4+ year old PC is US\$2,397, enough to replace with one or more newer PCs.<sup>2</sup>

SMBs are more likely to purchase a new device than they are to upgrade legacy PCs with Windows 10.<sup>2</sup>

1. Forrester Consulting, The Partner Opportunity for Microsoft 365 Business. A commissioned study (2018)  
2. Microsoft and PSB Research (2016)

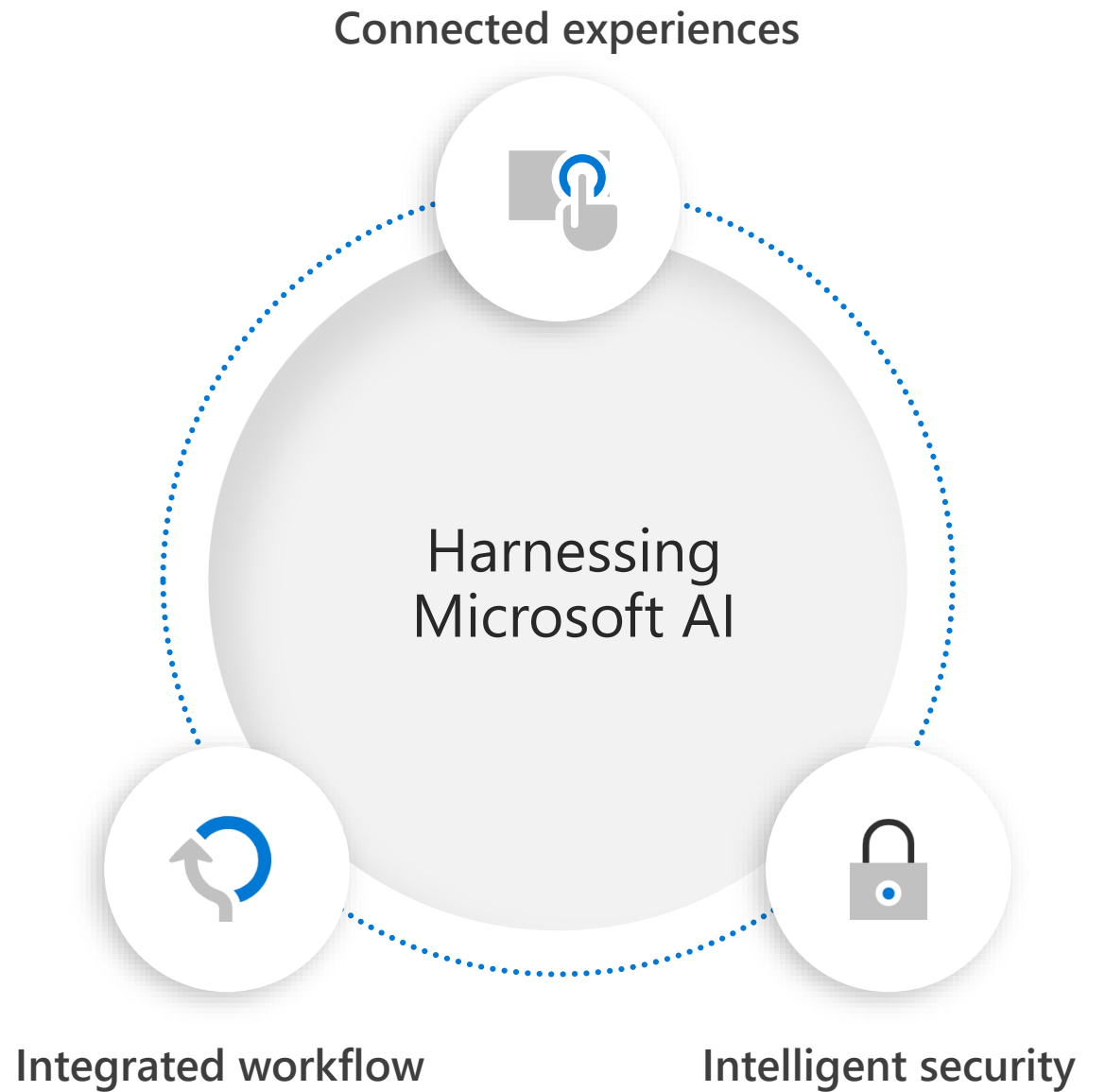
# Inteligência Artificial e Realidade Aumentada o futuro hoje





# Microsoft 365

## The world's productivity cloud



# Trends impacting the modern workplace

## Team-based and collaborative



80% of time is spent collaborating, people work on **twice as many teams**

## Overwhelming amounts of data



59% of knowledge workers **struggle to find the information** they need

## Growing security threats



Twice as many **security breaches** and 3x increase in identity-based attacks

AI augmentation is projected to generate \$2.9 trillion in **business value** and recover 6.2 billion hours of **worker productivity** by 2021.

# Empower your organization with Everyday AI in Microsoft 365



## Connected experiences that foster teamwork and amplify skills

- ✓ Streamline your chat, calling and meetings with Microsoft Teams
- ✓ Stay on top of your email and calendar with Outlook
- ✓ Transform presentations and documents in less time with Ideas in Office



## Uncover hidden insights and improve decisions

- ✓ Find content and expertise relevant to your work with Microsoft Search
- ✓ Quickly turn complex data into action with PowerBI and Workplace Analytics



## Proactively secure your data and devices with intelligent security

- ✓ Actively monitor threats with Office 365 Advanced Threat Protection
- ✓ Secure your business data across identities, endpoints, apps and more with Microsoft 365

# An unparalleled foundation with Microsoft AI

## Data

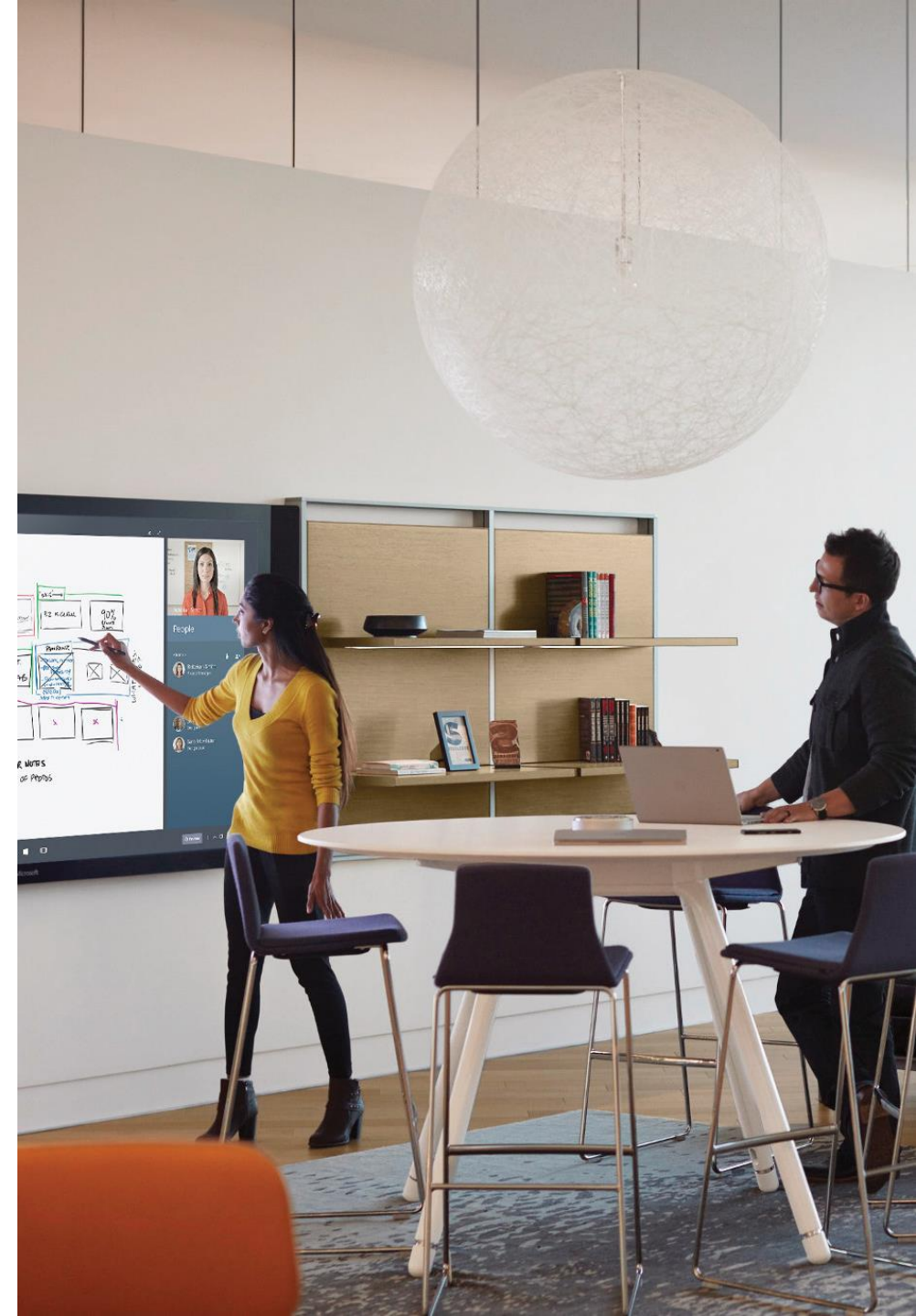
Vast **graph dataset** comprised of knowledge from Bing, LinkedIn, Office, and more, **to give you unique insights and keep you safe** on a trusted platform.

## Cloud

The power of Azure brings software and hardware together to build a **cloud optimized for AI**.

## Algorithms

Pioneering **breakthrough advancements** and reaching milestones in [vision](#), [speech recognition](#), [natural language processing](#), and [machine translation](#).



# Microsoft Graph

One of the largest graphs of human activity at work ever created



**6.5T**

Threats signals analyzed daily

**470B**

Emails processed per month

**420B**

Office user interactions observed per month

**560M**

PowerPoint slides created per month

**100M**

Excel charts created per month

# Leveraging breakthrough research in everyday experiences

2015

**Image recognition**  
**Human parity**

Identifies objects in photos/videos as accurately as people

## PowerPoint Designer

Uses image recognition to detect people and objects in an image and optimize cropping.

2017

**Speech recognition**  
**Human parity**

First to achieve professional transcriber error rate

## Live Captions

Enables presenters to display captions in real-time in the same or different language during PowerPoint presentations. Coming soon in Teams.

January 2018

**Machine reading comprehension**  
**Human parity**

Reads documents and answers questions about it as well as a human

## Microsoft Search

Provides contextual results across people, documents, and Internet results.

March 2018

**Machine translation**  
**Human parity**

Translated sentences from test news stories on par with human evaluators

## Microsoft Translate

Built into Office 365, and as a standalone app, Translator breaks down language barriers. Translation available in Word and in Teams chat.

# Everyday AI by the numbers

**1**  
**BILLION**

Slides designed with **Design Ideas** in PowerPoint

**1**  
**BILLION**

Images captioned by **Automatic Alt-Text** in PowerPoint and Word

**5**  
**BILLION**

Threats detected on devices every month

**14**  
**MILLION**

People worldwide are using **Learning Tools** across 45 languages

**16**  
**HOURS**

Annual savings from **Editor AutoCorrect** for 10 events per email and 20 emails per day

**53%**

More clicks on **Recommended Files in Office.com** upon leveraging machine learning

# AI in Windows 10

Windows Hello biometric login

Search that anticipates your needs

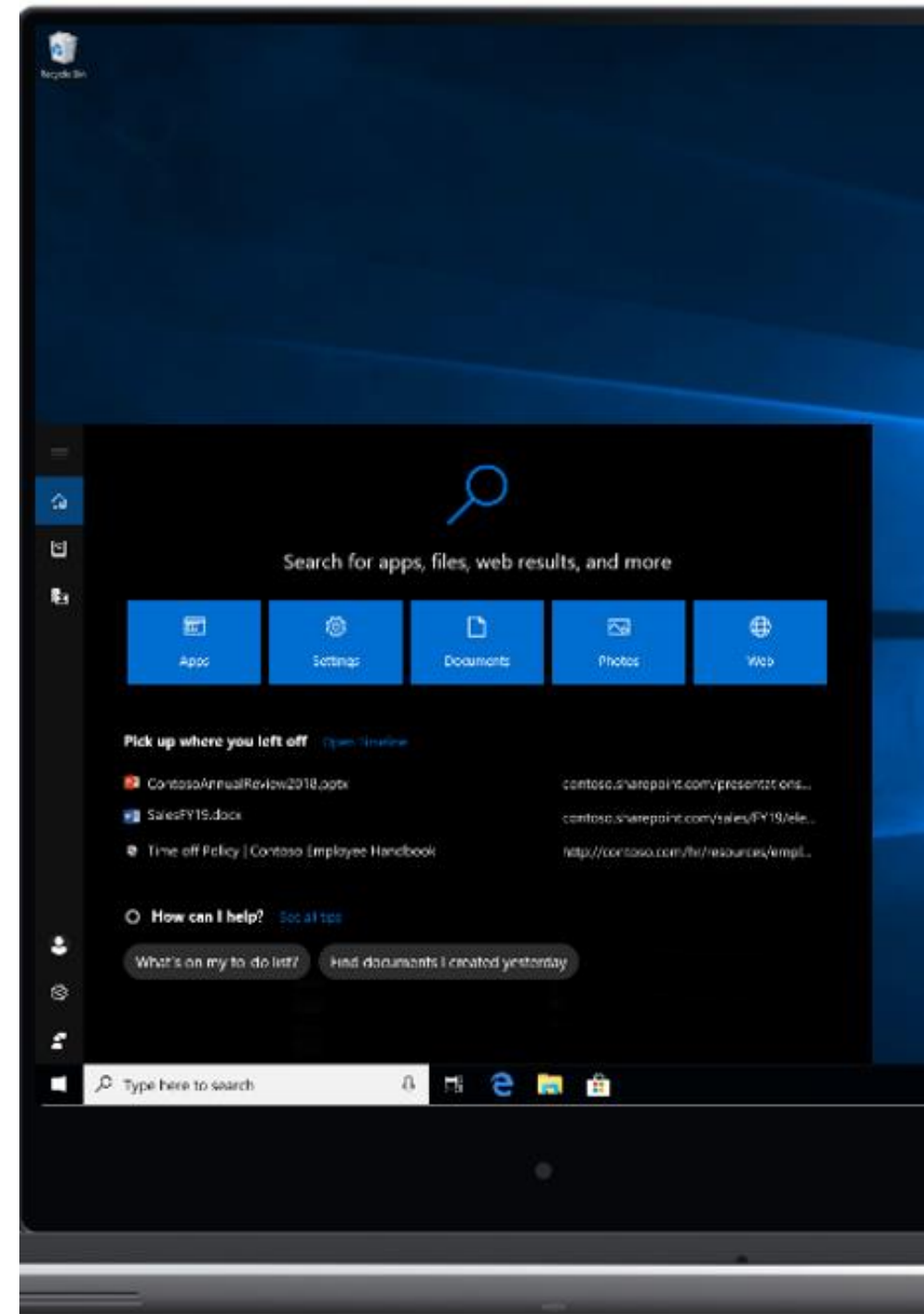
Personal assistant for business

Control your mouse with your eyes

Dictate to Windows

Learning Tools

**Microsoft Search**



# AI in Outlook

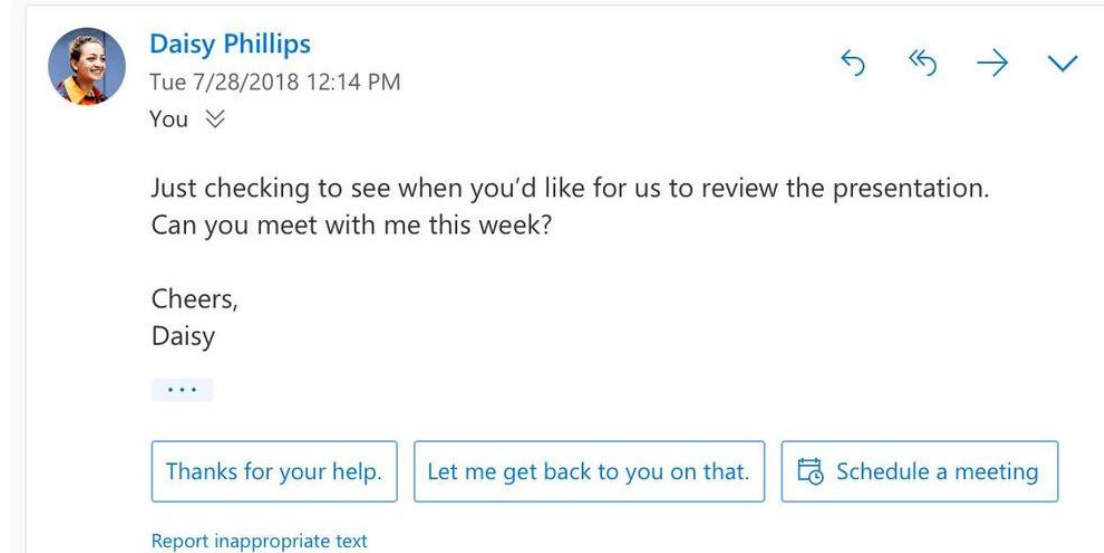
Search that anticipates your needs

People and Connections

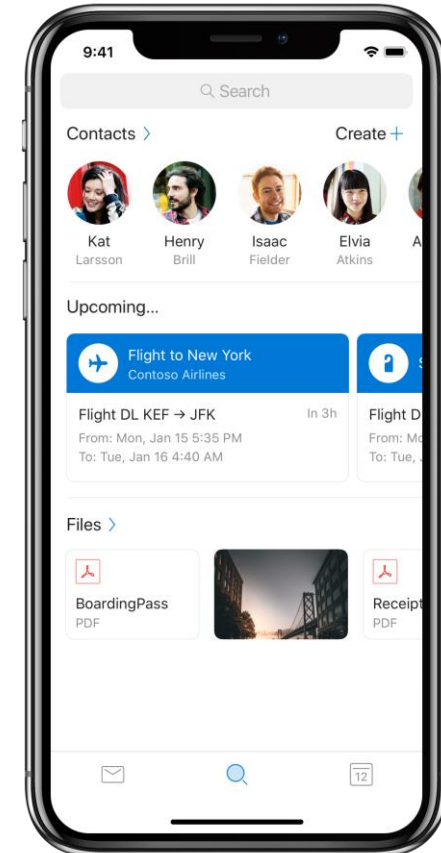
Intelligent technology to help you stay organized

Key travel and event information at-a-glance

Suggested replies

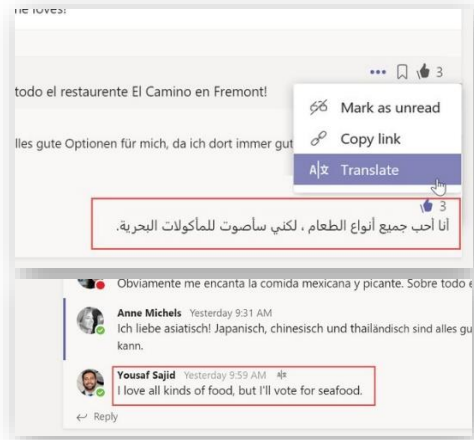


## Suggested replies

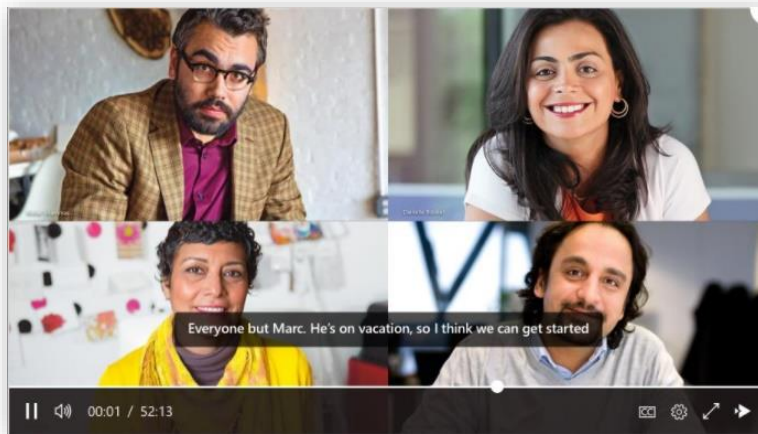


## Travel summary cards

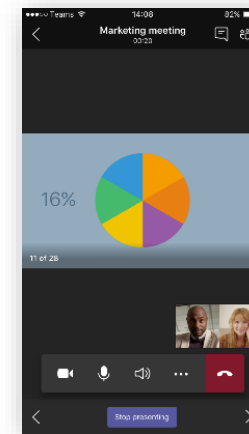
# AI in Teams



Inline Message Translation



Meeting Recording Transcription

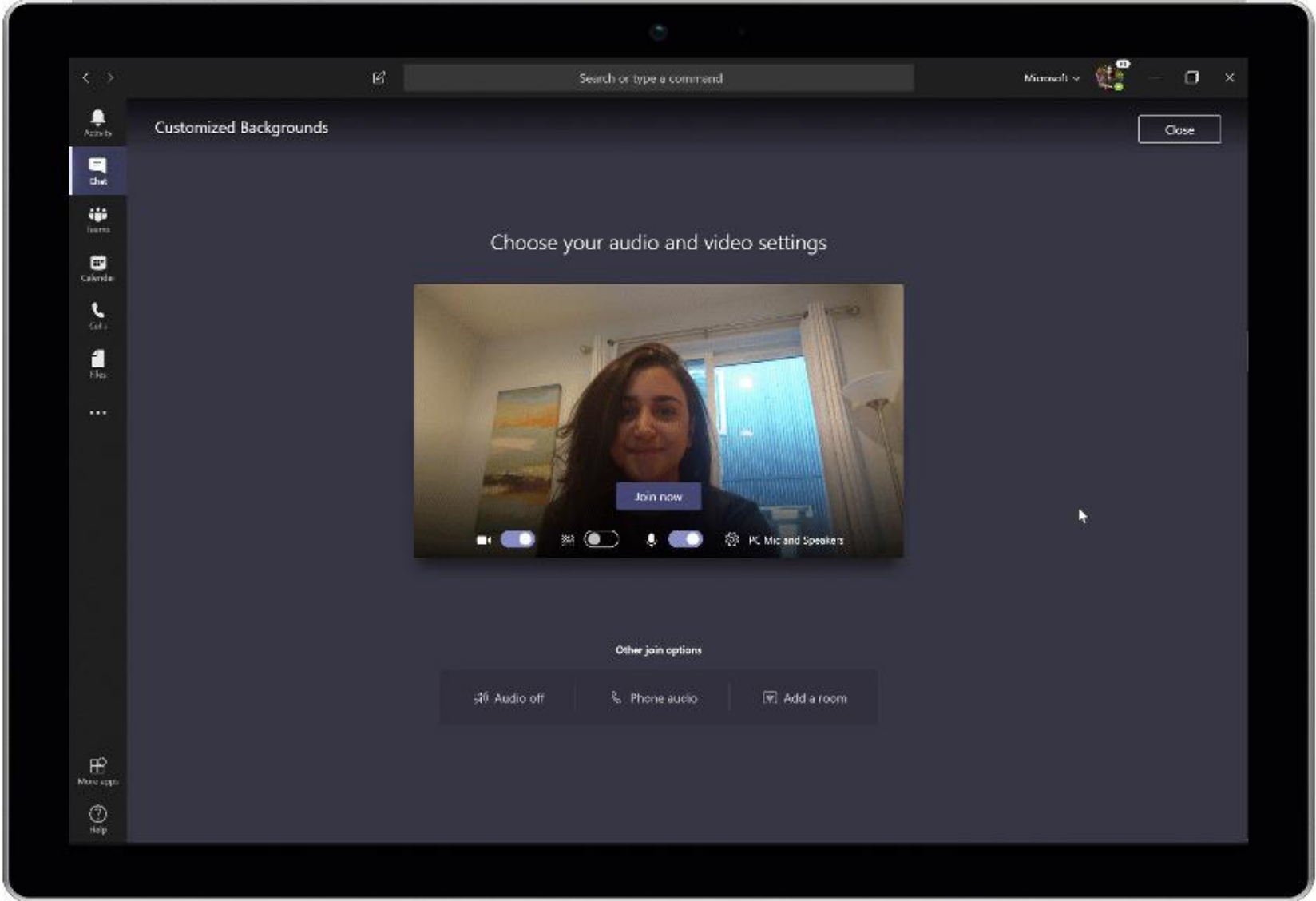


Mobile Companion Mode

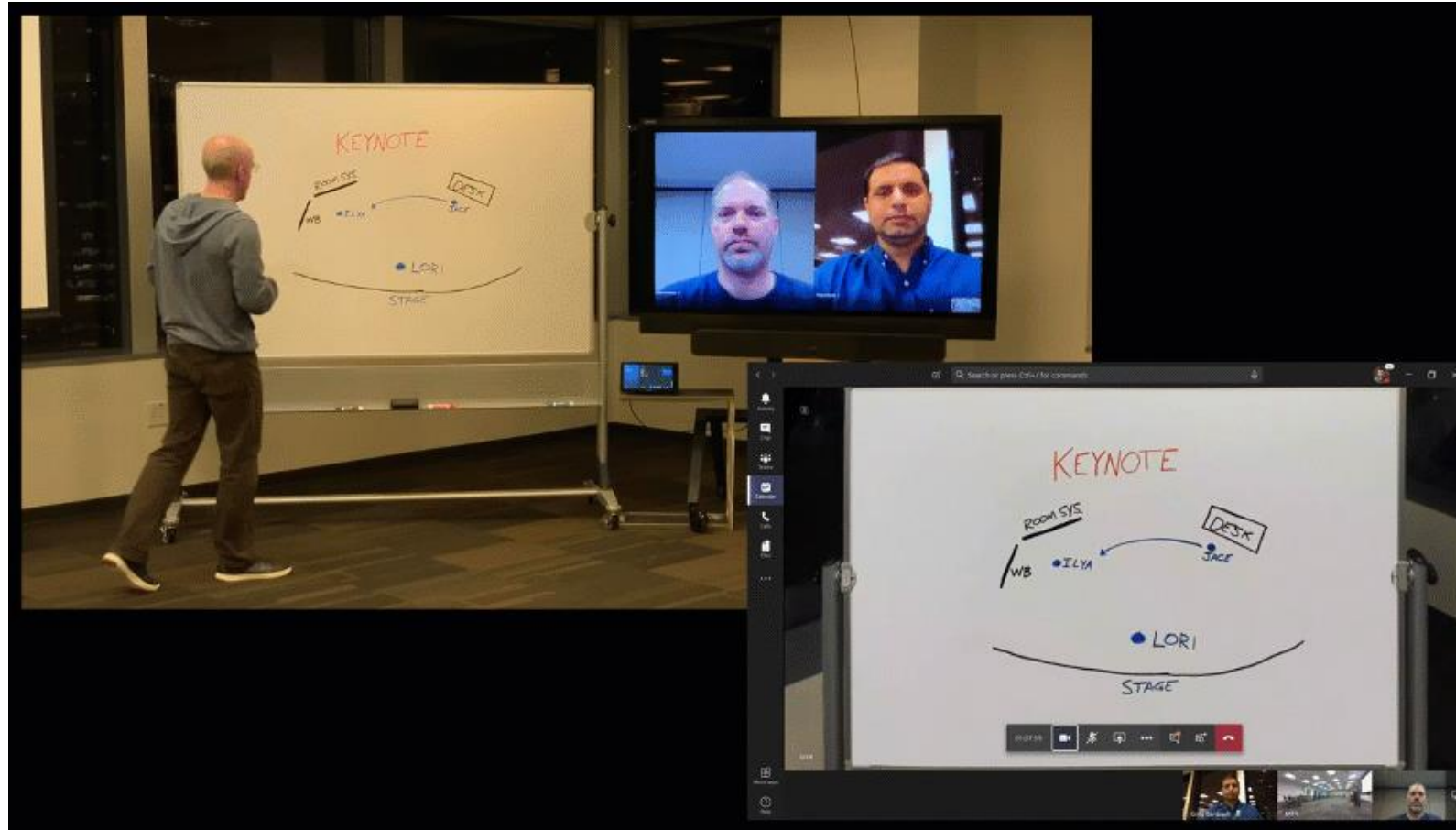


Background Blur

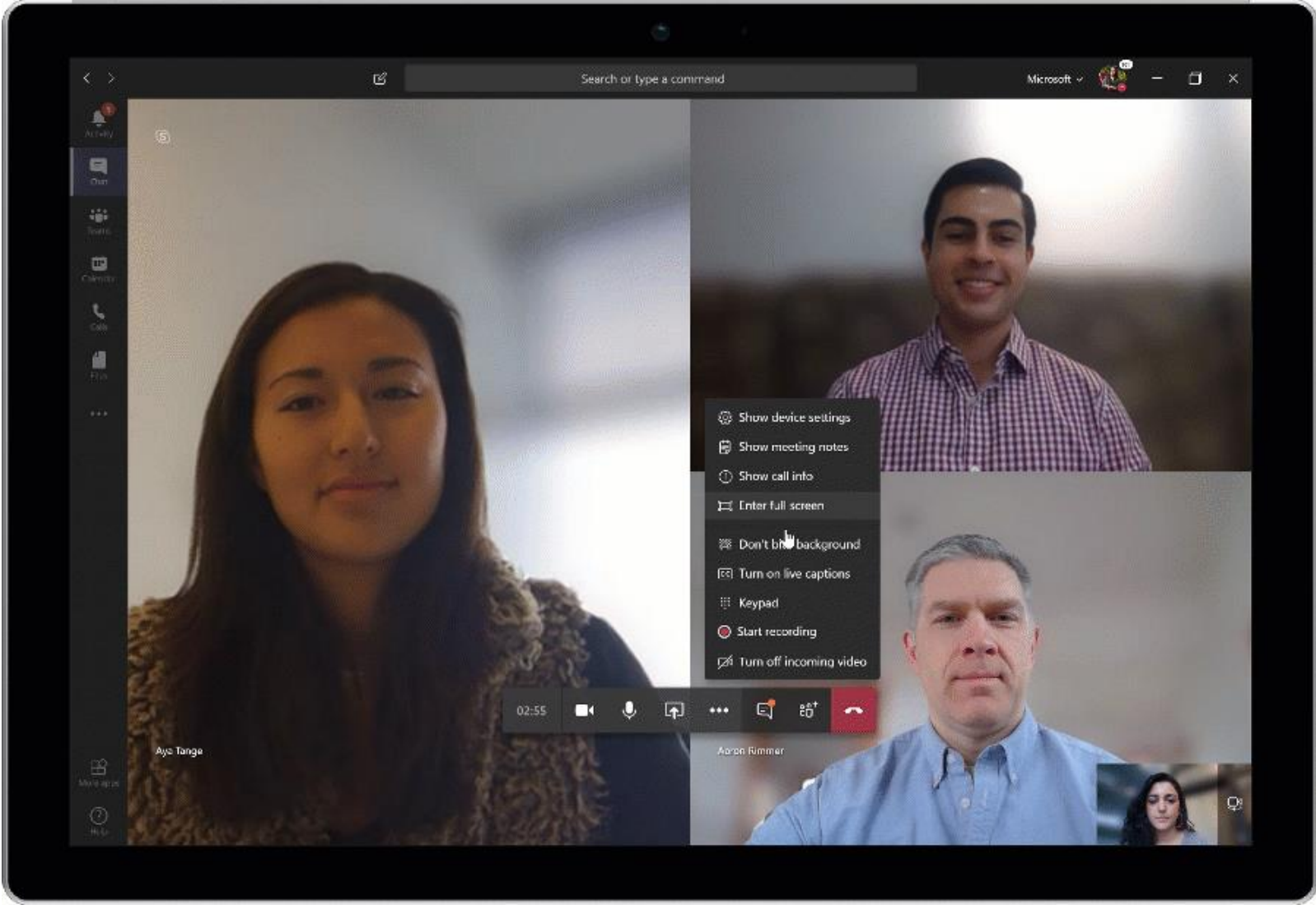
# Coming later this year: Customized Backgrounds in Teams



# Coming later this year: Intelligent Capture in Teams



# Coming later this year: Live captions and subtitles in Teams meetings



# AI in SharePoint and OneDrive

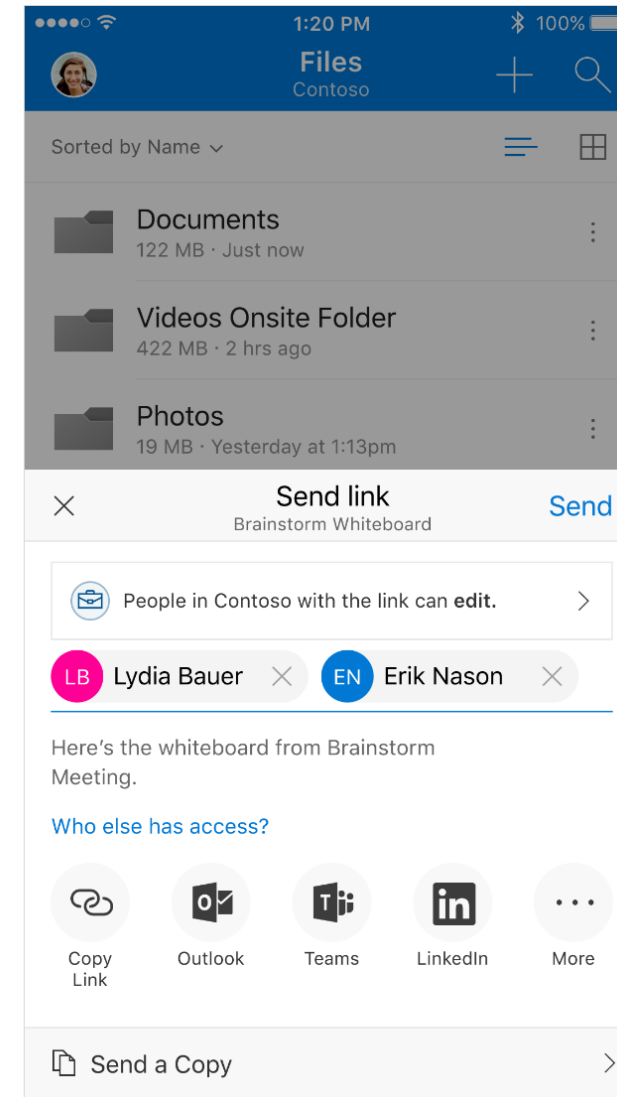
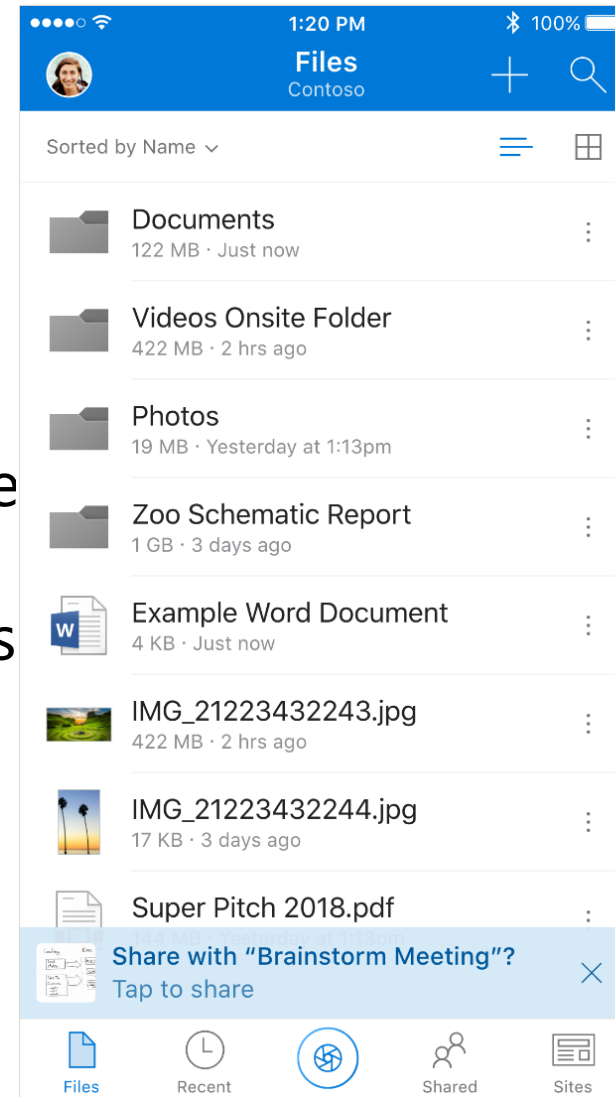
Intelligent file recommendations

Data insights on your files

Intelligent sharing with meeting attendees

Search for text and objects within images

Video and audio transcription



**Intelligent sharing**

# AI in Office Apps

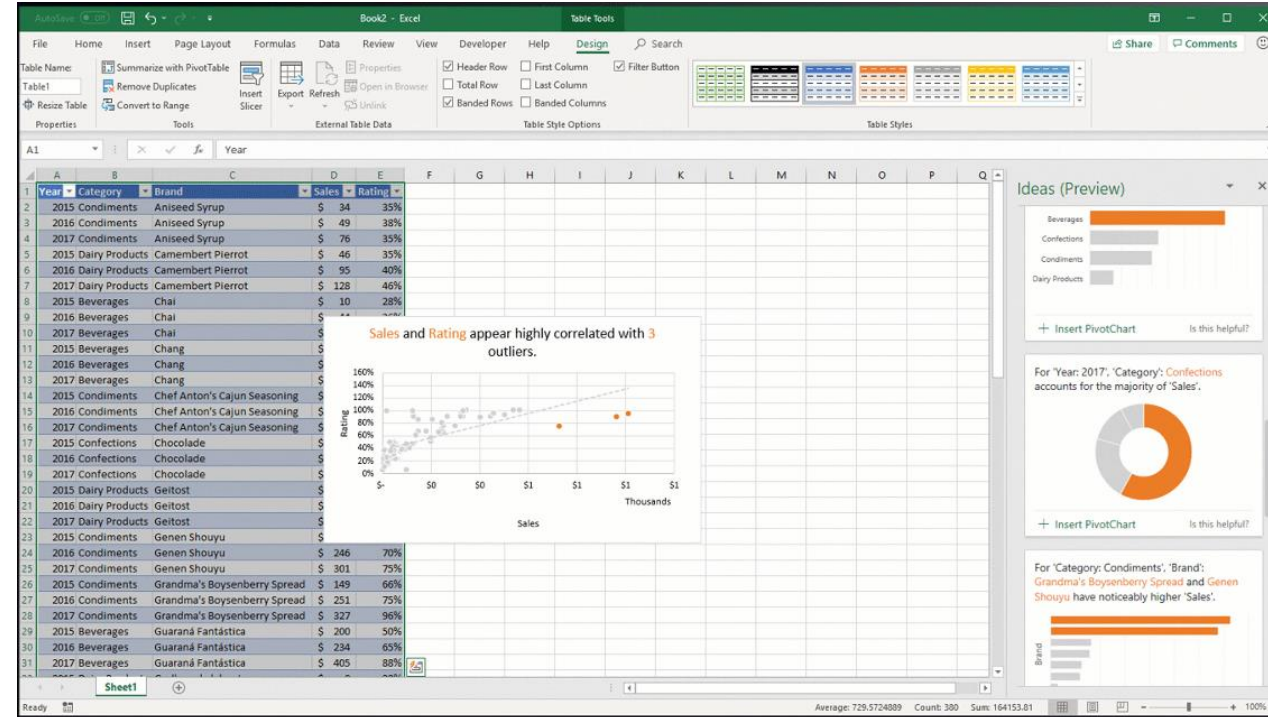
Intelligent suggestions with Ideas

Editor is your writing assistant

Change handwritten ink to shapes or text

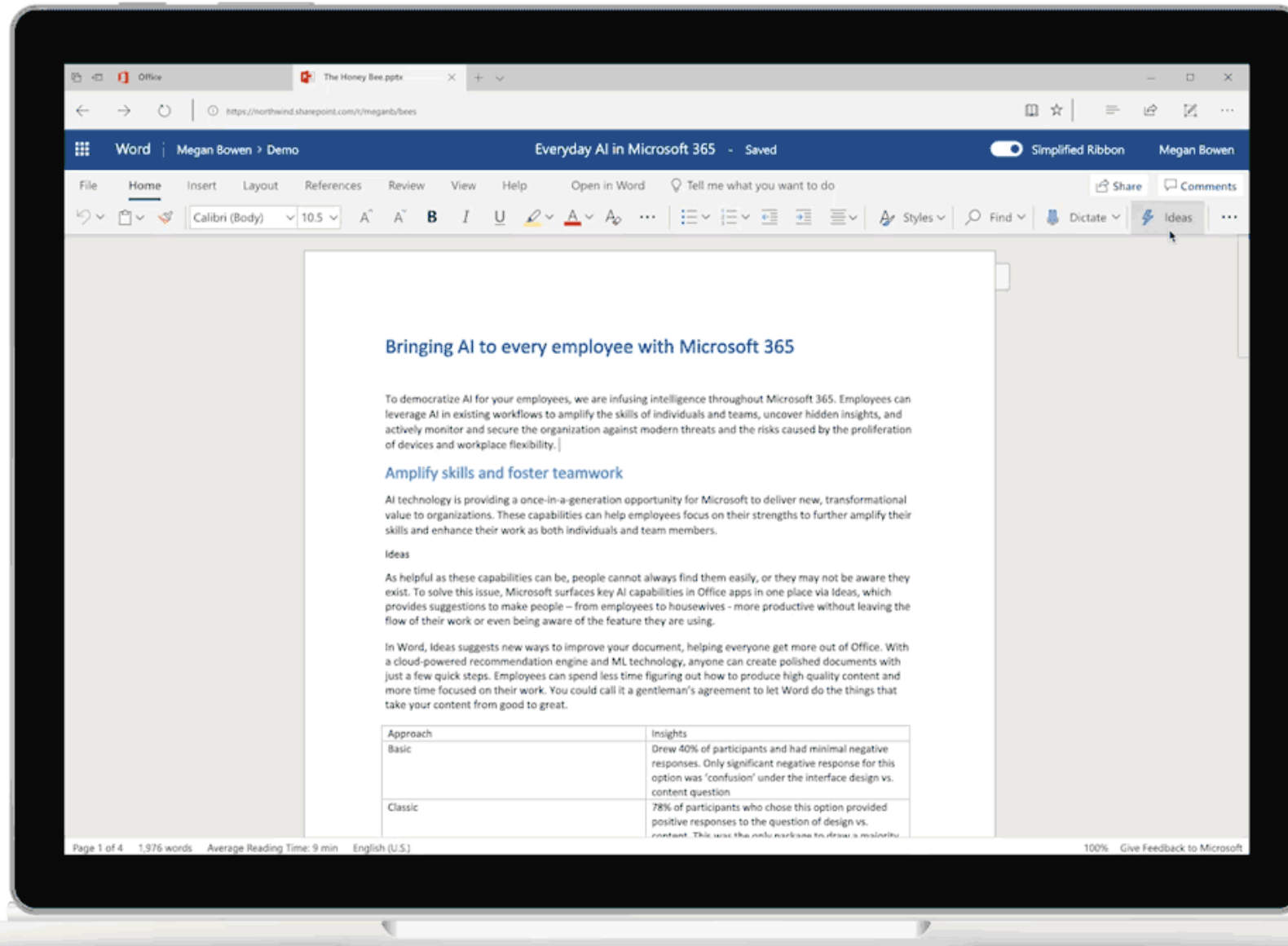
Dictate with your voice

Learning Tools



Ideas in Excel

# Coming soon: Ideas in Word Online provides suggestions to make your writing shine



# Coming soon: add data to Excel directly from a photo via Android or iOS

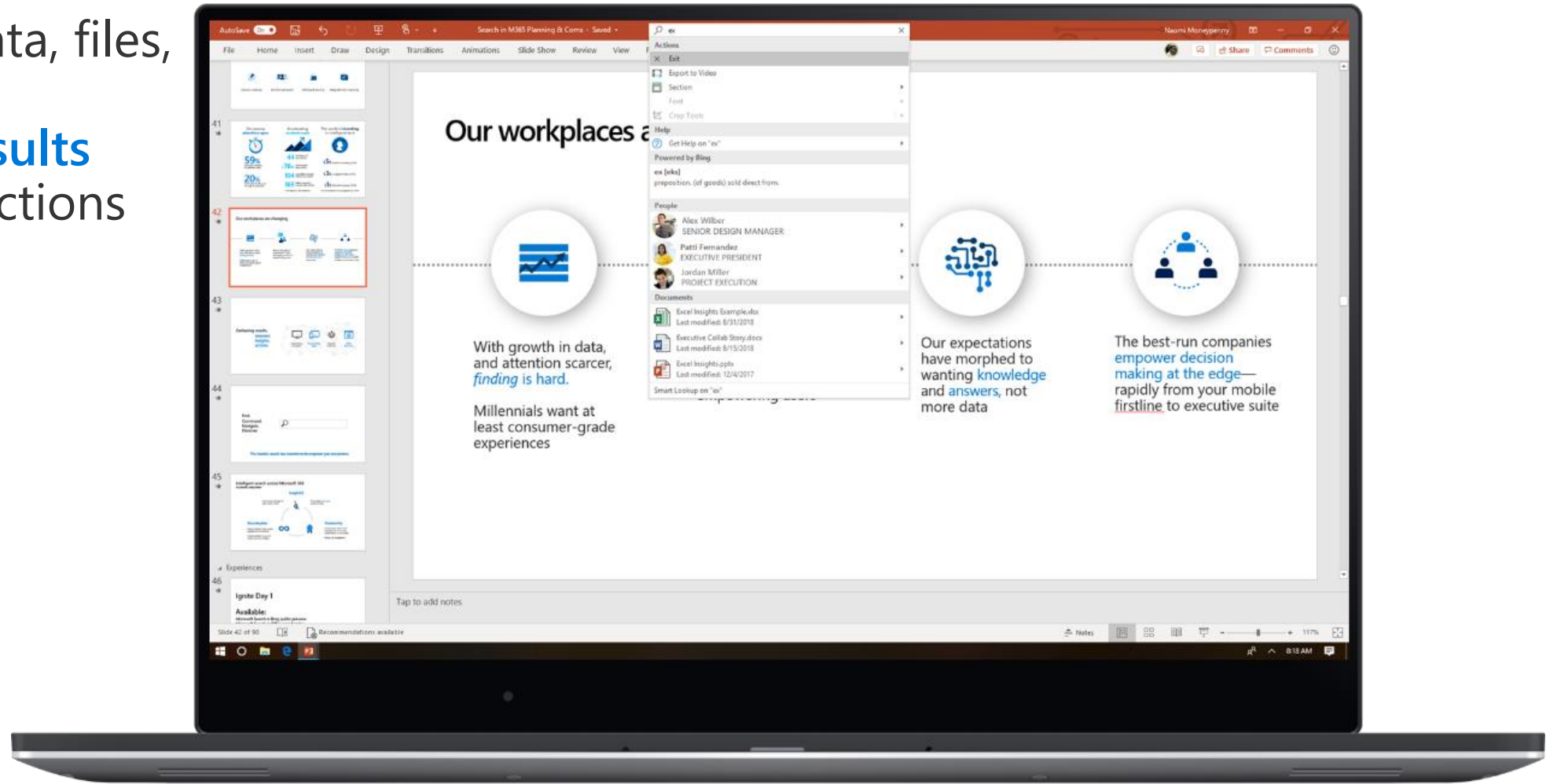


**EXHIBIT 1** - 1997 National Commission on Expenditures for Health Care

	1996	1997	1998	1999	2000
Personal	\$1,214	\$1,247	\$1,280	\$1,313	\$1,346
Government	200	200	200	200	200
Total	\$1,414	\$1,447	\$1,480	\$1,513	\$1,546
Health care expenditures, total (incl. personal and government)	\$1,214	\$1,247	\$1,280	\$1,313	\$1,346
Health care expenditures, personal	1,014	1,047	1,080	1,113	1,146
Health care expenditures, government	200	200	200	200	200
Health care expenditures, total (incl. personal and government)	\$1,214	\$1,247	\$1,280	\$1,313	\$1,346

# Microsoft Search in Office

Search across data, files, and people with **personalized results** based on your actions



## **Physical** Reality



The state of things as they “actually exist” through our human senses without any technology.

## **Digital** Reality



Artificially created sensory experiences of people, environments and objects, which can include sight, touch, hearing, and smell.

**Physical** Reality



**Digital** Reality

**Mixed** Reality

The blending of physical and digital worlds

# Mixed Reality Spectrum



**PHYSICAL  
REALITY**

Mixed Reality combines elements of the physical and digital worlds to produce new environments where physical and digital objects co-exist and interact in real-time.

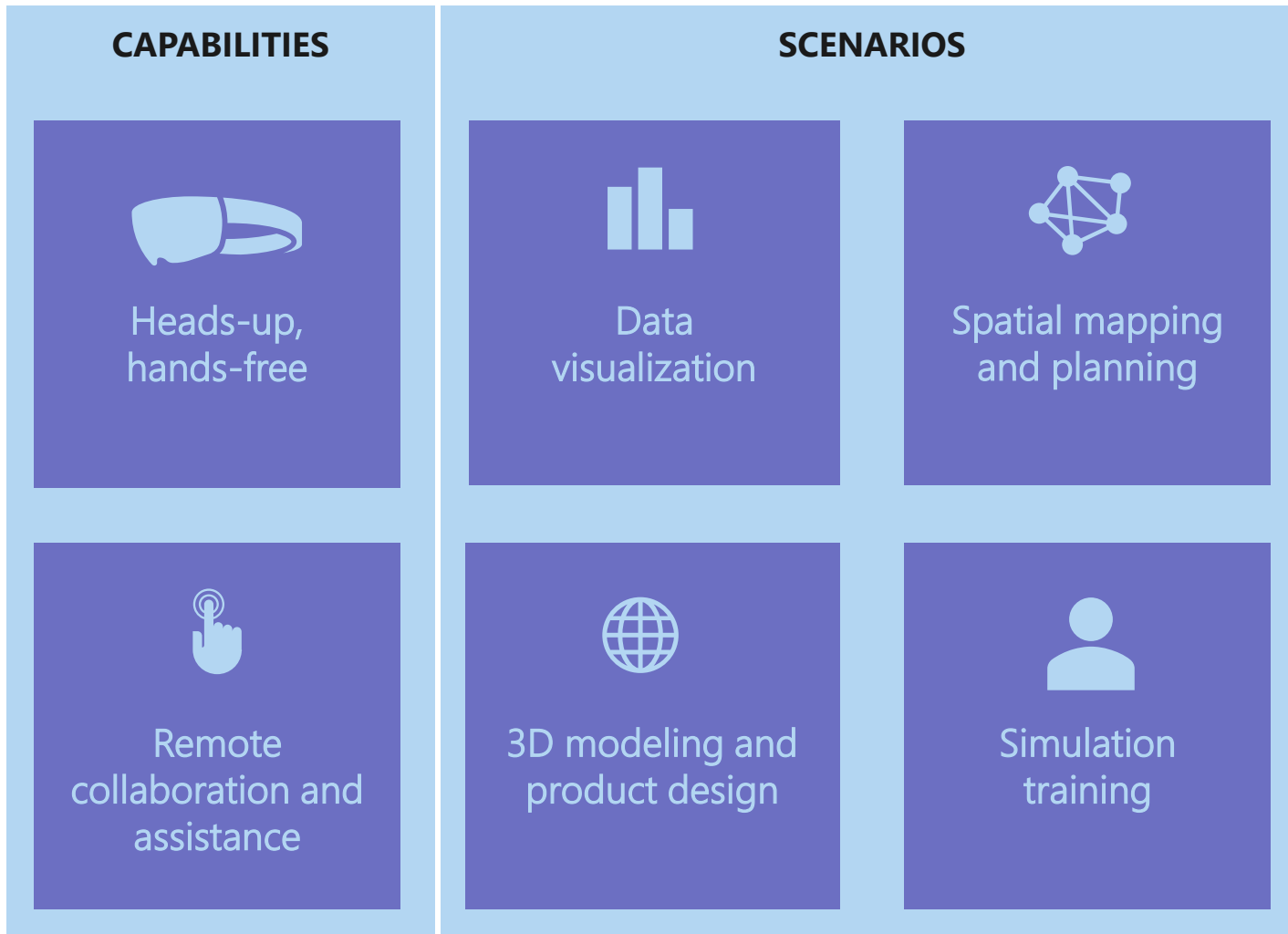
**MIXED  
REALITY**



**DIGITAL  
REALITY**



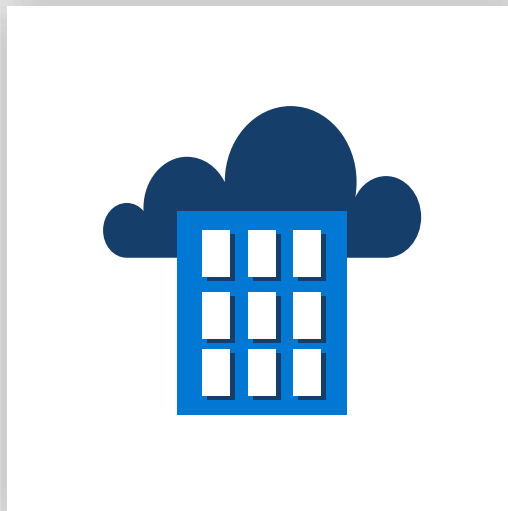
4 key operational scenarios touch a broad range of activities for every organization





# Unique hybrid capabilities with Azure

Extend your datacenter to Azure to maximize existing investments and gain new hybrid capabilities

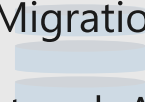


Azure Backup, Azure Site Recovery, and more

Storage Migration Services

Azure Network Adapter for connection to Azure virtual networks

Windows Admin Center: the hub for hybrid



# Windows Admin Center

Included with Windows/Windows Server license!

Download here:  
<http://aka.ms/WACDownload>

The screenshot displays the Windows Admin Center interface for the Storage Migration Service. The top navigation bar shows 'Windows Admin Center' and 'Server Manager'. The main header indicates the current server is 'sms2019-01.corp.contoso.com'. The left-hand 'Tools' pane lists various system management options, with 'Storage Migration Service' selected. The main content area is titled 'Storage Migration Service > FS01-2008R2' and features three steps: 'Inventory', 'Transfer', and 'Cutover'. The 'Inventory' step is active, showing a table of source devices. Below this, the 'Phase Details' for 'fs01.corp.contoso.com' are shown, with the 'Shares' tab selected. At the bottom, there are 'Save and Exit', 'Back', and 'Next' buttons.

**Tools**

- Overview
- Certificates
- Devices
- Events
- Files
- Firewall
- Local Users & Groups
- Network
- PowerShell
- Processes
- Registry
- Remote Desktop
- Roles & Features
- Scheduled Tasks
- Services
- Storage
- Storage Migration Service**
- Storage Replica
- Updates

**Storage Migration Service > FS01-2008R2**

1 Inventory 2 Transfer 3 Cutover

**Inventory**

Start Scan + Add Device + Remove Device

Name ↑	Configuration Status	SMB Share Status	Size
fs01.corp.contoso.com	Succeeded	Succeeded	1.67 GB
fs02.corp.contoso.com	Succeeded	Succeeded	1.37 GB

**Phase Details: fs01.corp.contoso.com**

Configuration Network Adapters **Shares** Volumes

Name ↑	Path	Type
335	D:\public\335	SMB
IT	E:\IT	SMB
old	C:\old	SMB
public	D:\public	SMB
Sales	D:\Sales	SMB

Save and Exit Back Next



# Microsoft 365 Mobilidade e Segurança

# Our Unique Approach



Platform

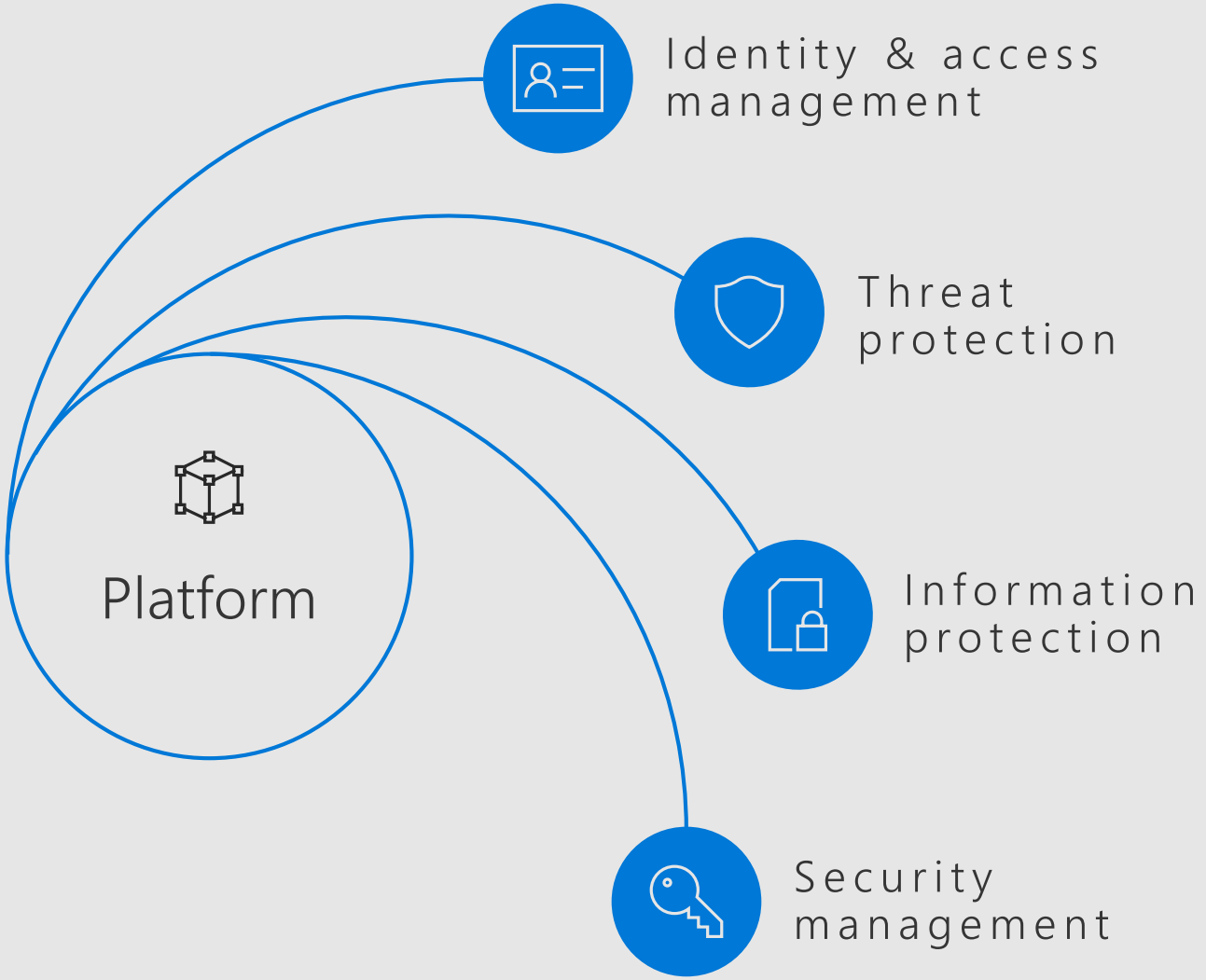


Intelligence



Partners

**BUILT IN  
SECURITY**



# Microsoft Platform Security



## Identity & access management

Protect users' identities & control access to valuable resources based on user risk level

Azure Active Directory  
Conditional Access  
Windows Hello  
Windows Credential Guard



## Threat protection

Protect against advanced threats and recover quickly when attacked

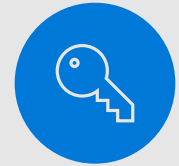
Advanced Threat Analytics  
Windows Defender  
Advanced Threat Protection  
Office 365 Advanced Threat Protection  
Office 365 Threat Intelligence



## Information protection

Ensure documents and emails are seen only by authorized people

Azure Information Protection  
Office 365 Data Loss Prevention  
Windows Information Protection  
Microsoft Cloud App Security  
Office 365 Advanced Security Mgmt.  
Microsoft Intune



## Security management

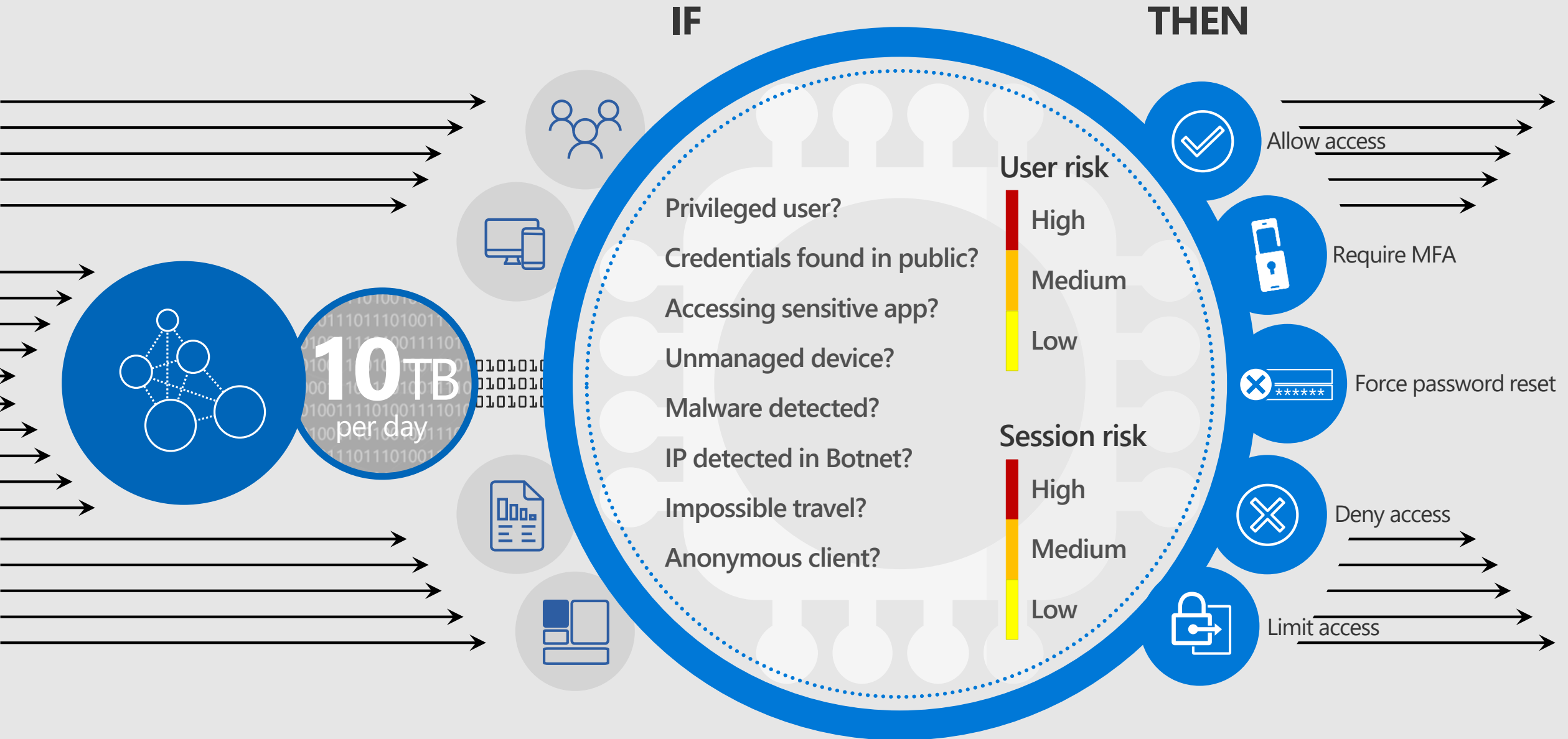
Gain visibility and control over security tools

Azure Security Center  
Office 365 Security Center  
Windows Defender Security Center

# Identity and Access Management



# Conditional Access



- ☰
- + New
- Dashboard
- All resources
- Resource groups
- App Services
- SQL databases
- SQL data warehouses
- Azure Cosmos DB
- Virtual machines
- Load balancers
- Storage accounts
- Virtual networks
- Azure Active Directory
- Monitor
- Advisor
- More services >

### Conditional access - Policies

Search (Ctrl+/)

- Overview
- MANAGE
  - Policies**
  - Exchange ActiveSync
- SETUP
  - Exchange service connector
- HELP AND SUPPORT
  - Help and support

+ New policy

POLICY NAME	ENABLED
User Policy	...
Device Policy	...
High Risk Users	...

# Windows Hello for Business

Configured by Group Policy or MDM policy

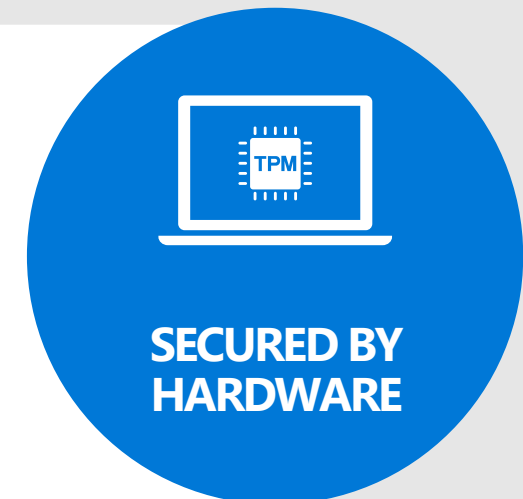
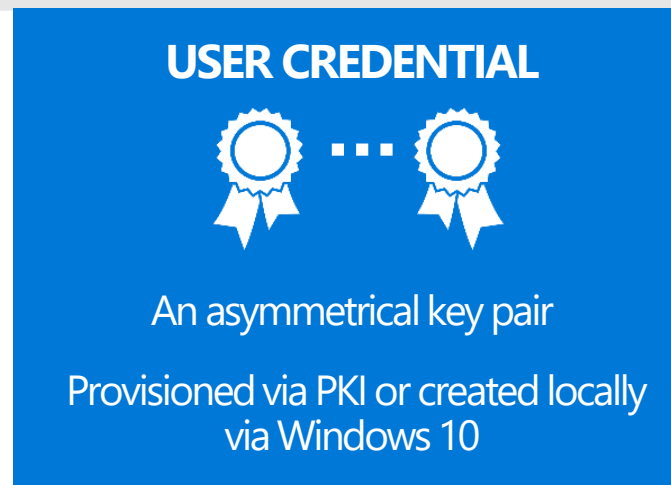
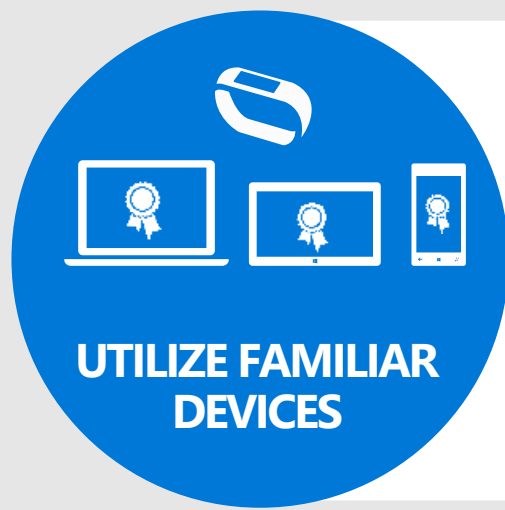
Uses key-based or certificate-based authentication

Supports biometrics and pin

- Pin tied and local to the device

- Facial or fingerprint recognition

Single sign-on end user experience



# Threat Protection

# Windows 10 Security Features

Our capabilities are recommended in two tiers — out-of-box protection and increased protection that you can turn on to strengthen your protections

## Out-of-box protection

Windows Defender System Guard	Windows Defender Exploit Guard
Windows Defender Firewall	Windows Defender Antivirus
Windows Defender SmartScreen	BitLocker Encryption (Only available on InstantGo devices)
Windows Updates	

Microsoft provides advanced security for protecting data, as well as the identities and devices that access your data. Windows 10 includes strong, out-of-the box baseline protections, which will meet the needs of many organizations. For organizations that need more protection than the baseline, there are the increased security features, which can be turned on alongside the out-of-box protections.

## Increased protection

Windows Defender System Guard (with optional features enabled)	BitLocker Encryption
Windows Defender Exploit Guard (with optional features enabled)	Windows Information Protection
Windows Defender Application Guard	Windows Defender Advanced Threat Protection*
Windows Defender Application Control	Windows Defender Credential Guard
Windows Defender Device Guard	Windows Hello

Some customers have a subset of users that must be protected at higher levels because they have access to sensitive data or they are greater targets for attackers. You can apply increased protection to specific users in your organization.

\*Requires E5 license

# Advanced Threat Protection

## Time-of-click protection against malicious URLs

URL reputation checks along with detonation of attachments at destination URLs.

## Zero-day protection against malicious attachments

Attachments with unknown virus signatures are assessed using behavioral analysis.

## Critical insights into external threats

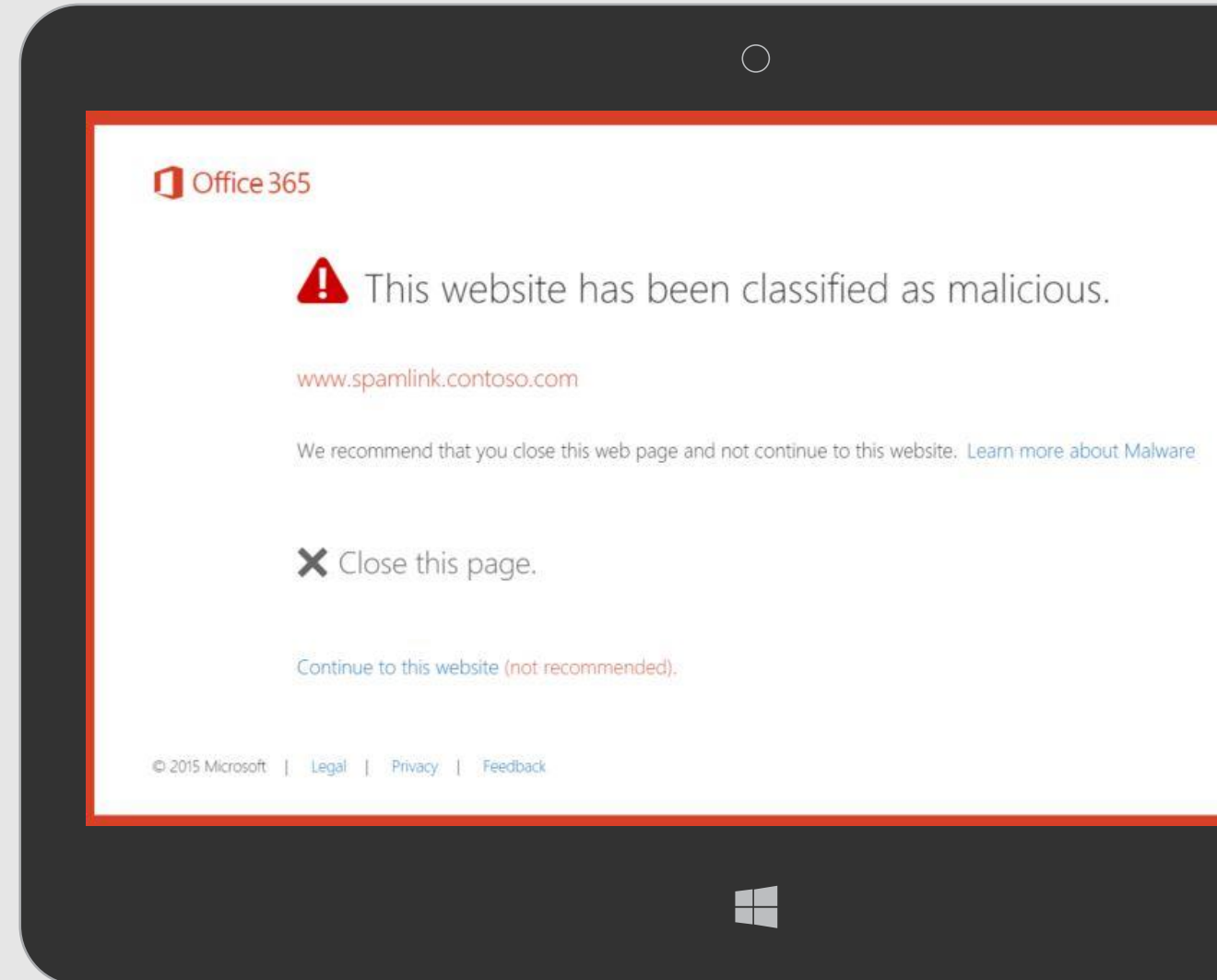
Rich reporting and tracking features provide critical insights into the targets and categories of attacks.

## Integrated across apps & services

Protection across Exchange Online, SharePoint Online, OneDrive for Business, and Office apps.

## Intelligence sharing with devices

Integration with Windows Advanced Threat Protection to correlate data across users and devices.



# DETECT AND RESPOND QUICKLY TO ATTACKS



# WINDOWS DEFENDER ADVANCED THREAT PROTECTION

Sensors built in, not bolted on

Unique threat intelligence knowledge base with unparalleled threat optics

Rich timeline for investigation

Microsoft Intelligence Security Graph provides integrated detection and exploration with Office 365 ATP

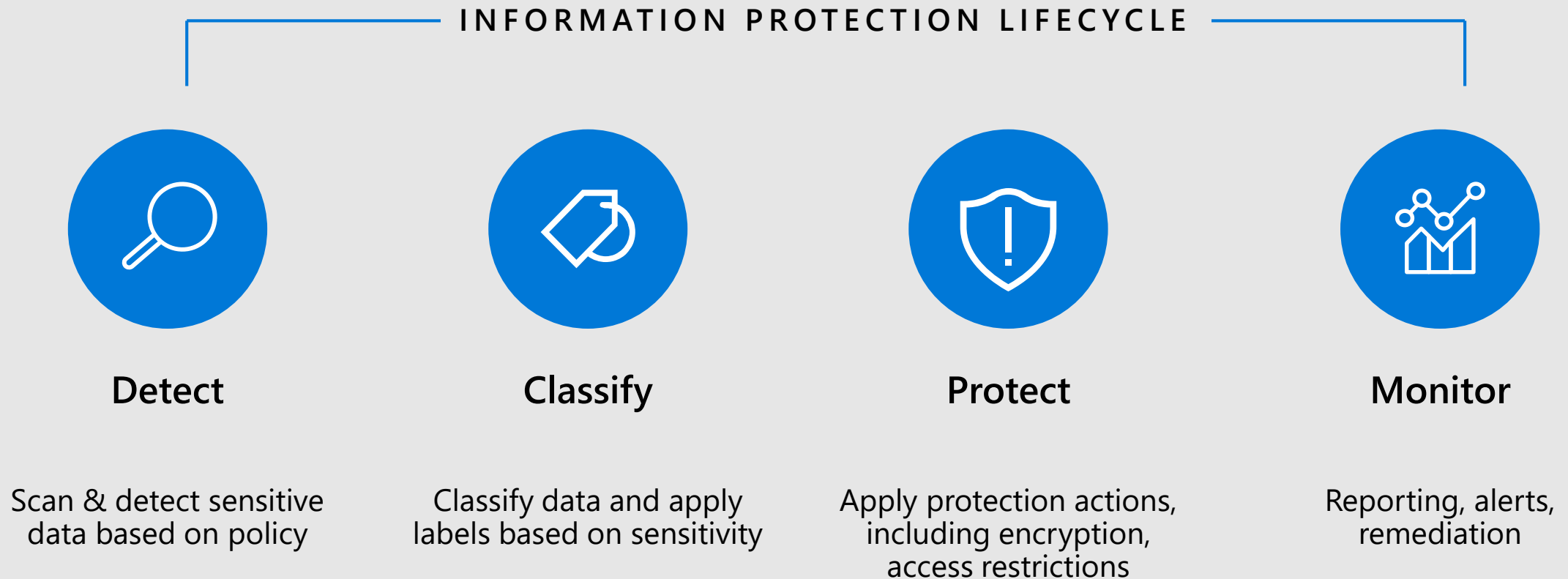
Partnering with Bitdefender, Lookout, and Ziften for macOS, Linux, iOS, and Android devices

The screenshot shows the Windows Defender Security Center Dashboard. The top navigation bar includes the Windows logo, 'Windows Defender Security Center', 'Dashboard', and a user profile 'Analyst@WDATPCosotoV1.on...'. The main content area is divided into several sections:

- Active alerts:** A donut chart shows 12 new alerts (orange) and 1 in progress (yellow). A legend indicates 1 High, 10 Medium, 2 Low, and 3 Informational alerts.
- Latest active alerts:** A list of alerts with dates and severity levels. Examples include 'Communication to known C2 detected' (Low) and 'Communication with NeroBlaze C2 detected' (Medium).
- Machines at risk:** A table showing risk counts for four machines: cont-jonathanw (1 High, 5 Medium, 0 Low), cont-jayhardee (0 High, 4 Medium, 1 Low), cont-evamacias (0 High, 1 Medium, 0 Low), and cont-cleogarza (0 High, 0 Medium, 1 Low).
- Users at risk:** A table showing risk counts for three users: contoso\jonathan.wolcott (1 High, 8 Medium, 1 Low), contoso\eva.macias (0 High, 1 Medium, 0 Low), and contoso\cleo.garza (0 High, 0 Medium, 1 Low).
- Machines with active malware detections:** A message stating 'No active malware detections found'.
- Daily machines reporting:** A bar chart showing the number of machines reporting daily from Feb 18 to Mar 19, with a total of 6 unique machines.
- Sensor health:** A gauge showing 2 machines, with 1 misconfigured and 1 inactive.
- Service health:** A cloud icon with a green checkmark indicating 'Service is operating normally'.

# Information Protection

# How Do I Protect Sensitive Information?



# Microsoft's Information Protection Solutions

Comprehensive protection of sensitive data across devices, cloud services, and on-premises

## Devices



PCs, tablets, mobile

Windows Information Protection  
& BitLocker for Windows 10

Intune MDM & MAM for  
iOS & Android

## Office 365



Exchange Online,  
SharePoint Online &  
OneDrive for Business



Highly  
regulated

Office 365 DLP

Office 365 Advanced Data Governance

## Cloud Services, SaaS apps, & on-prem



Azure



3<sup>rd</sup>-Party SaaS



Datacenters,  
file shares

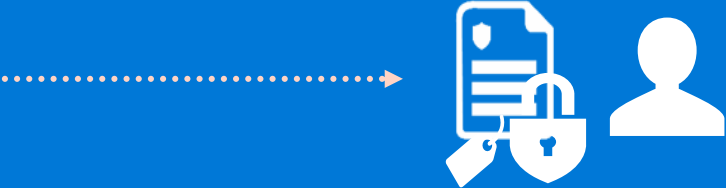
Azure Information Protection

Microsoft Cloud App Security

# Azure Information Protection



- ▶ EMS extends Office 365 manual protection of files with automatic protection to ensure policy compliance
- ▶ Classifications, labels and encryption can be applied automatically based on file source, context, and content
- ▶ Files can be tracked by sender and access revoked if needed



Encryption stays with the file wherever it goes, internally and externally



## Classification and labeling

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



## Protection

Encrypt sensitive data & define usage rights, add visual markings when needed



## Monitoring

Detailed tracking and reporting to maintain control over shared data

# Azure Information Protection Scanner

Crawls files stored in CIFS based storage locations and SharePoint Server sites

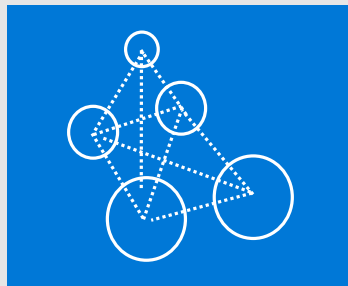
Provide scan locations and rules to apply based on conditions

Uses AIP policies configured to determine classification

Can be run in report or "Label and protect" mode

Results can help identify data that meets specific regulations and compliances

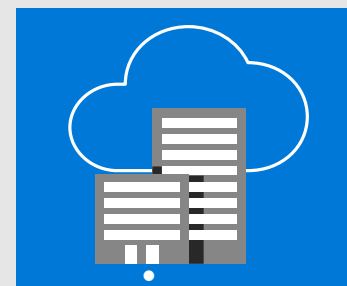
**Native**



**Unified**



**Anywhere**



# Secure Devices and Protect Data at the App Level

## Data control / separation

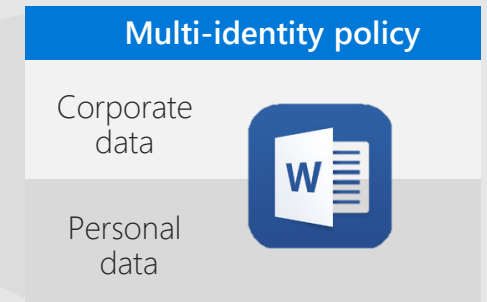
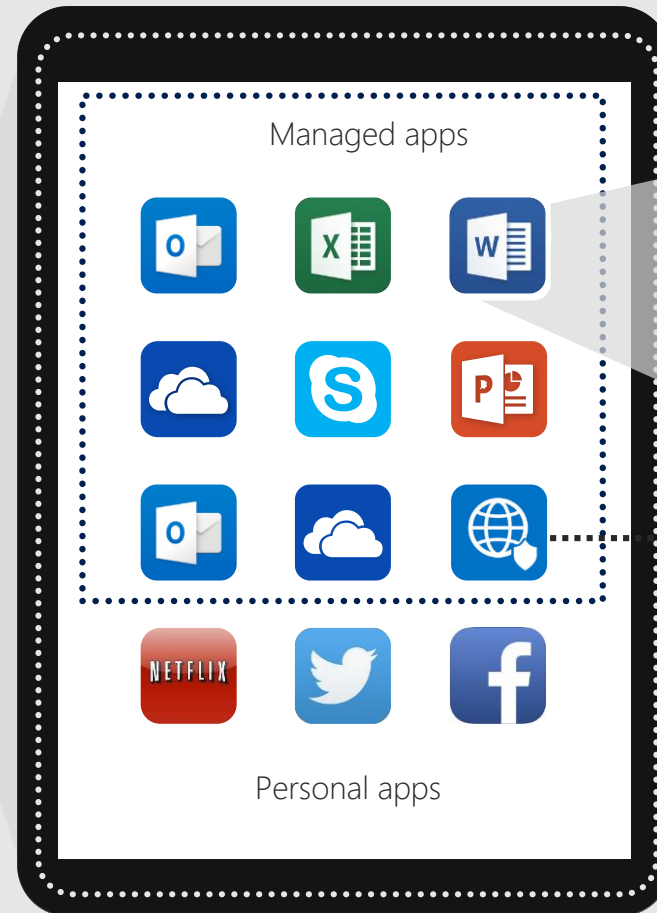
Control company data after it has been accessed, and separate it from personal data


## Device security configuration

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

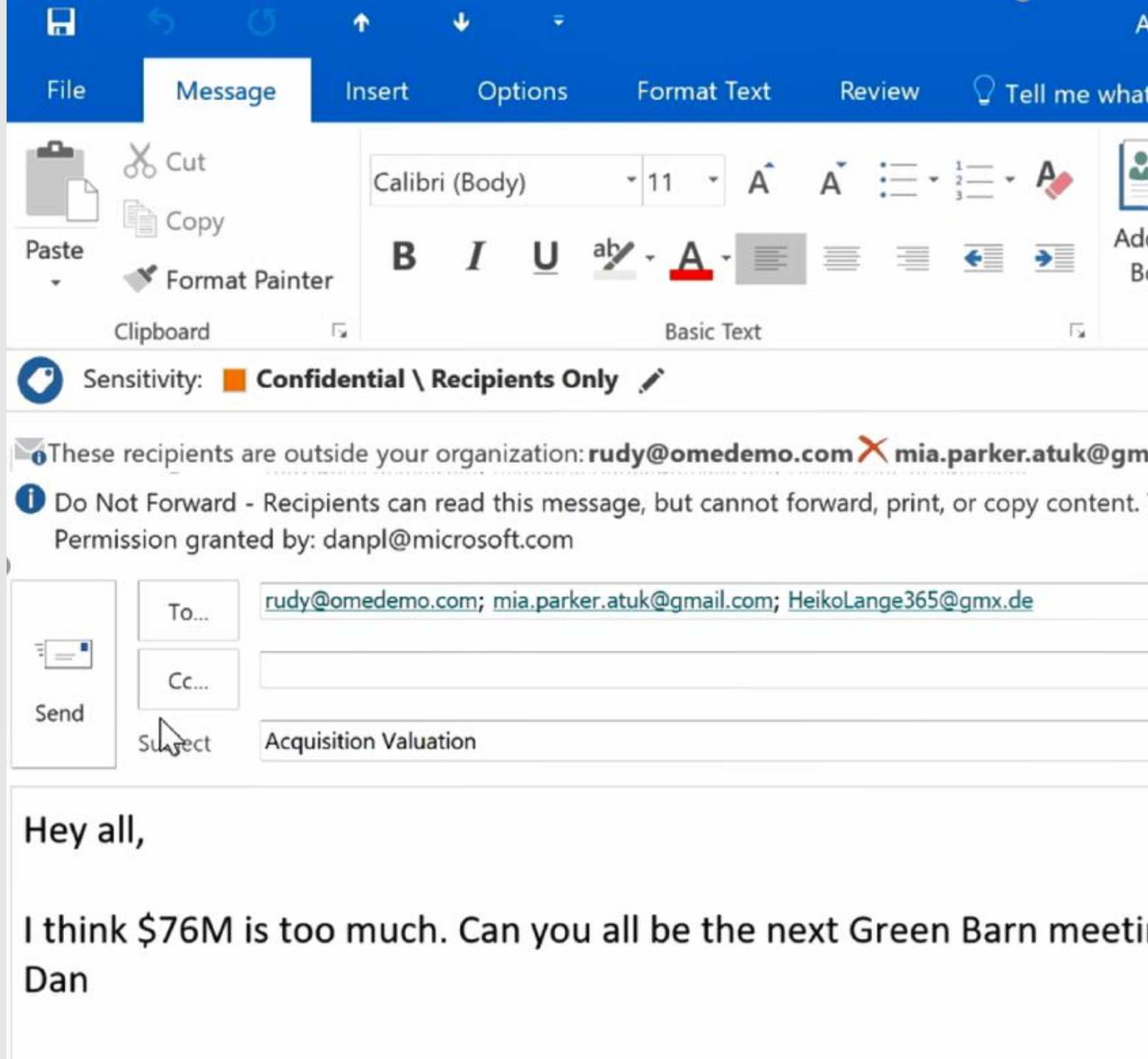
## Restrict apps and URLs

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



 **MDM (3<sup>rd</sup> party or Intune) optional**  
App-level protection available with or without enrollment.

# Office Message Encryption



The screenshot shows the Microsoft Office interface for composing a message. The ribbon includes 'File', 'Message', 'Insert', 'Options', 'Format Text', and 'Review'. The 'Message' ribbon is active, showing options for Cut, Copy, Paste, and Format Painter. The 'Format Text' section shows the font set to Calibri (Body) size 11, with bold, italic, underline, and text color options. The sensitivity is set to 'Confidential \ Recipients Only'. A warning message states: 'These recipients are outside your organization: rudy@omedemo.com X mia.parker.atuk@gmail.com'. Below this, a 'Do Not Forward' warning is displayed: 'Do Not Forward - Recipients can read this message, but cannot forward, print, or copy content. Permission granted by: danpl@microsoft.com'. The 'To' field contains 'rudy@omedemo.com; mia.parker.atuk@gmail.com; HeikoLange365@gmx.de'. The 'Subject' field contains 'Acquisition Valuation'. The 'Send' button is visible on the left. The message body starts with 'Hey all,' followed by 'I think \$76M is too much. Can you all be the next Green Barn meeting?' and 'Dan'.

File Message Insert Options Format Text Review Tell me what

Cut Copy Paste Format Painter Clipboard

Calibri (Body) 11 A A

**B** *I* U ab A

Sensitivity: ■ Confidential \ Recipients Only

These recipients are outside your organization: [rudy@omedemo.com](mailto:rudy@omedemo.com) X [mia.parker.atuk@gmail.com](mailto:mia.parker.atuk@gmail.com)

Do Not Forward - Recipients can read this message, but cannot forward, print, or copy content. Permission granted by: danpl@microsoft.com

To... [rudy@omedemo.com](mailto:rudy@omedemo.com); [mia.parker.atuk@gmail.com](mailto:mia.parker.atuk@gmail.com); [HeikoLange365@gmx.de](mailto:HeikoLange365@gmx.de)

Cc...

Send

Subject Acquisition Valuation

Hey all,

I think \$76M is too much. Can you all be the next Green Barn meeting?

Dan

Compliance

# Data Loss Prevention in Office 365

OneDrive

Open Share Copy link Download Delete Move to Copy to Rename Flow

## Files

Name	Modified	Modified By	File Size	Sharing
Notebooks	November 2	Megan Bowen		Private
Attachments	November 2	Megan Bowen		Private
Business Data	April 2	Megan Bowen		Private
Presentation Documents	April 2	Megan Bowen		Private
Class Documents	April 2	Megan Bowen		Private
Private Info	April 2	Megan Bowen		Private
Contoso Electronics	April 2	Megan Bowen		Private
Credit Cards.docx	About a minute ago	Megan Bowen	21.7 KB	Private
International Marketing Strategy.docx	April 4	Megan Bowen	422 KB	Shared
Contoso Purchasing Permissions.docx	April 4	Megan Bowen	28.8 KB	Shared

Megan Bowen

### Policy tip for 'Credit Cards.docx'

This item is protected by a policy in your organization.

#### Issues

Item contains the following sensitive information: Credit Card Number

Last scanned: 5 minutes ago

[Report an issue](#) to let your admin know that this item doesn't conflict with your organization's policies.

# Compliance Manager

Manage your compliance from one place

- **Real-time risk assessment**

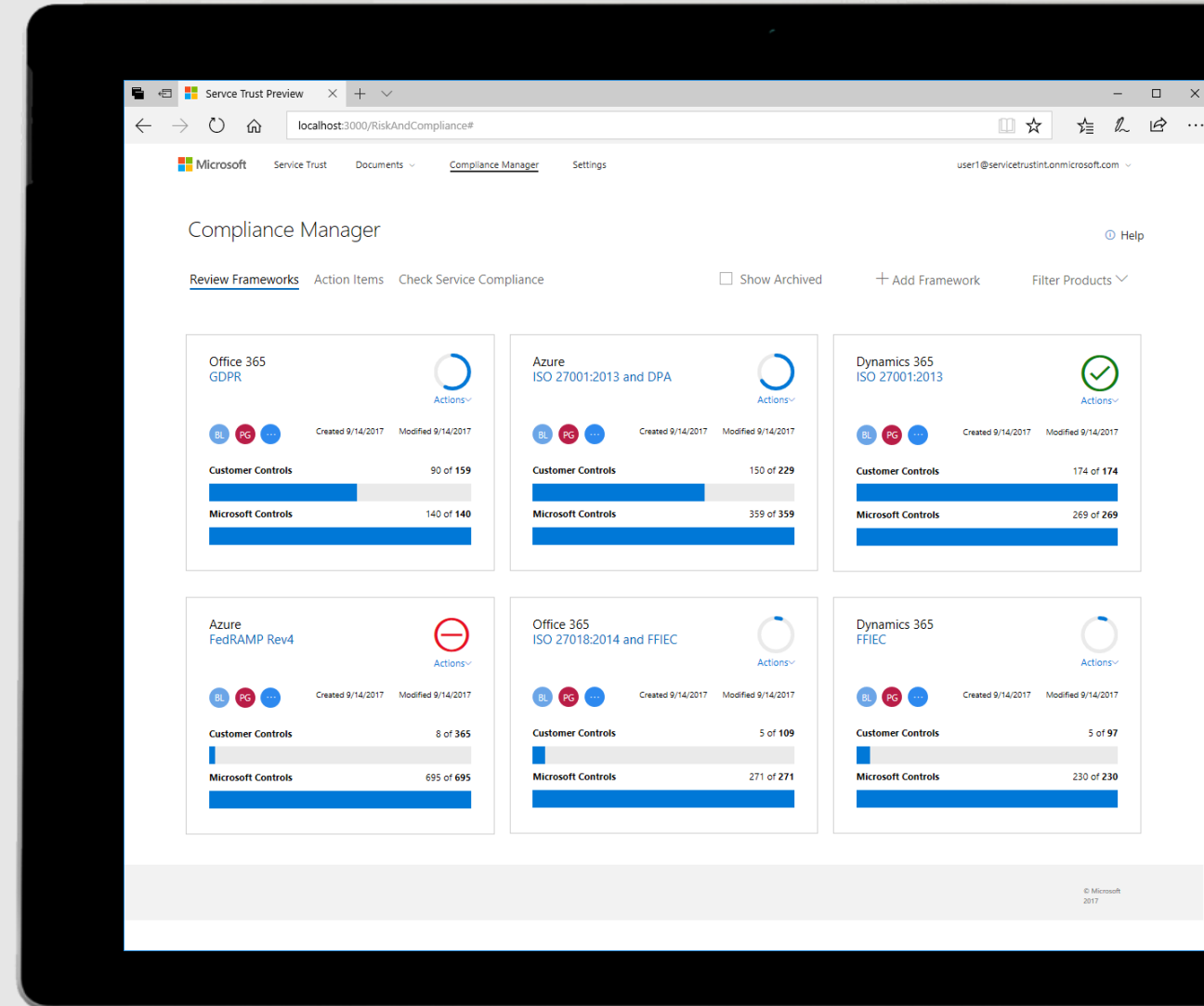
An intelligent score shows your compliance posture against evolving regulations

- **Actionable insights**

Recommended actions to improve your data protection capabilities

- **Simplified compliance**

Streamlined workflow and audit-ready reports



# Advanced Data Governance in Office 365

Leverage intelligence to automate data retention and deletion



## Automatic Classification

Classify data based on automatic analysis (age, user, type, sensitive data and user provided fingerprints)



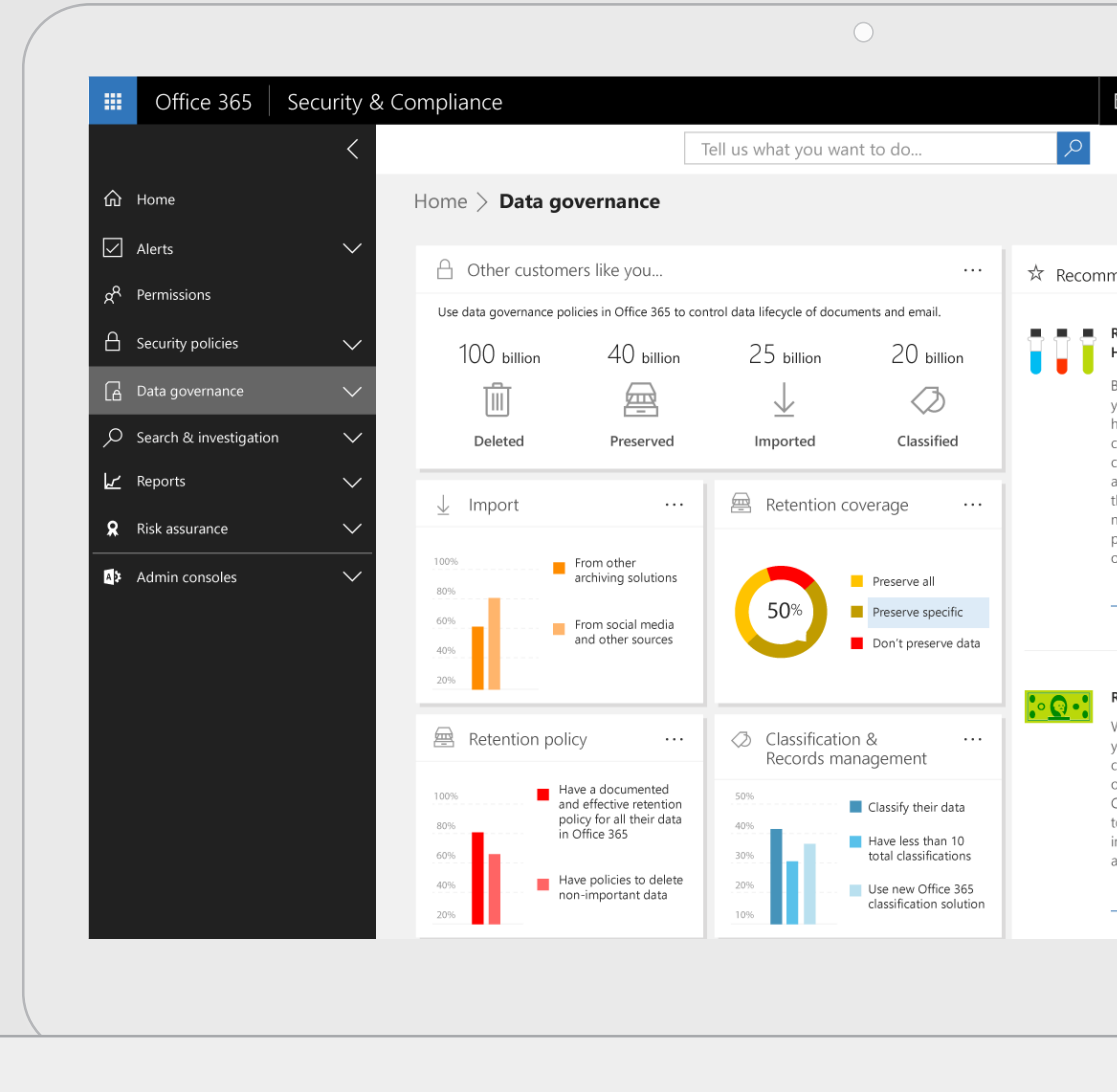
## Intelligent Policies

Policy recommendations based on machine learning and cloud intelligence



## Take Action

Apply actions to preserve high value data in-place and purge what's redundant, trivial or obsolete



# Security Management

Active alerts 180 days



High	2
Medium	17
Low	5
Informational	6

11.01.2017	Right-to-Left-Override (RLO) technique observed	Medium
10.27.2017	Suspicious Powershell commandline	Medium
09.28.2017	A port scanning tool was detected	Low
09.25.2017	Connection with IP that has had a history of unauthorized access a...	Low
09.25.2017	Connection with IP that has had a history of unauthorized access a...	Low
08.07.2017	Communication with NeroBlaze C2 detected	Medium
07.23.2017	Suspicious script execution	Medium
07.13.2017	File backups were deleted	Medium
07.12.2017	A known vulnerable driver was loaded	Medium

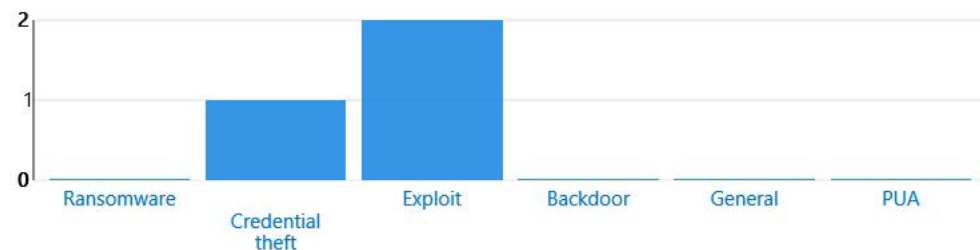
Machines at risk [machines list](#)

cont-jonathanw	1	5	0	0
cont-jacksonk	1	3	0	0
cont-jayhardee	0	4	1	0
joeemslabwin10	0	1	0	1

Users at risk 30 days

contoso\jonathan.wolcott	1	8	1	0
contoso\jackson.kiefer	0	2	0	0
joeemslabwin10\joedivri	0	1	0	1
contoso\eva.macias	0	1	0	0

Machines with active malware alerts 180 days



Daily machines reporting (Monthly unique machines: 5) 30 days

Sensor health 30 days

Service health

# Cloud App Security threat detection

## Behavioral analytics

Assess risk in each transaction and identify anomalies in your cloud environment that may indicate a breach.

## Advanced investigation

Gain useful insights from user, file, activity, and location logs.

## Threat intelligence

Enhance behavioral analytics with insights from the Microsoft Intelligent Security Graph to identify anomalies and attacks.

The screenshot shows the Microsoft Cloud App Security interface. At the top, there's a navigation bar with 'Discover', 'Investigate', 'Control', and 'Alerts' (24). The main alert is titled 'General Anomaly Detection' and occurred '4 minutes ago' with a 'Medium' severity. It lists related apps: 'Google Apps', 'Exchange Online', and 'General Anomaly Detection' for user 'marianna@acme.com'. The alert text states: 'The user marianna@acme.com triggered a suspicious session with a combined risk score of 65.95/100 based on the factors below.' The factors listed are: 'The IP 109.163.234.2 is an anonymous proxy', 'The user marianna@acme.com is an administrator', and 'The ISP "Voxtility S.R.L." was first used by any user across the organization' and 'was first used by any user for administrative activity across the organization'. Additionally, it notes 'The session contains 6 failed login attempts' and 'The user connected from Boardman (Oregon), United States and then from Ramat Gan (Tel Aviv), Israel in about an hour. These locations are 11,003 km apart.' A recommendation follows: 'It is recommended to confirm the user is familiar with these actions.' Below the alert is an 'Activity log' section showing 13 activities. The visible activities are:

Activity	User	App	IP address	Location	Device	Date
Send mail: ***** to: mathew@acm...	marianna	Exchange Online	84.109.184.235	Israel	?	Mar 1, 2016, 8:59 PM
Send mail: RE: ***** to: marie@acme.com	marianna	Exchange Online	84.109.184.235	Israel	?	Mar 1, 2016, 8:57 PM
Send mail: RE: ***** to: mariyah@acme.com	marianna	Exchange Online	84.109.184.235	Israel	?	Mar 1, 2016, 8:57 PM
Log out marianna@acme.com	marianna	Google Apps	109.163.234.2	—	?	Mar 1, 2016, 8:37 PM
Suspend user: marie@acme.com	marianna	Google Apps	109.163.234.2	—	?	Mar 1, 2016, 8:36 PM
Log on	marianna	Google Apps	109.163.234.2	—	?	Mar 1, 2016, 8:35 PM

# Cloud App Security: MS Ignite Announcements



## Cloud App Security: proxy

Control and limit access to cloud apps: Using proxy with Azure Active Directory Conditional Access. Public Preview in October



## Scan, classify sensitive data and apply AIP labels automatically

Automatic labeling and protection will be in public preview in October 2017. Cloud App Security will classify file leveraging Microsoft's Information Protection solution and capabilities starting Q4 2017.



## Support for Azure West Europe region

Cloud App Security is also be available in Azure West Europe region to better serve our customers in Europe and support their compliance requirements



## New Cloud App Discovery experience in Azure AD

Cloud App Discovery in Azure AD's now enhanced to provide deeper visibility into cloud app usage, no agents required, with ongoing analysis and alerts, powered by Cloud App Security. Available to Azure AD customers.

Dashboard

Score Analyzer

## Your Secure Score Summary

Your Secure Score is:

63

Of 364

Take action to see how you can improve your score today



For more information about your Secure Score go to: [Score Analyzer](#).

Take Action, Improve Your Score

## What's new



We have introduced the fully remediated workflows for the following controls. Check it out!

- [Check out our new ignore action and third party attribution feature!](#)
- [Enable Client Rules Forwarding Block](#)
- [Set outbound spam notifications](#)
- [Enable customer lockbox feature](#)
- [Designate more than one tenant admin](#)
- [Designate less than 5 tenant admins](#)
- [Use non-global administrative roles](#)

## Risk assessment

The following threats could be mitigated by taking the recommended Secure Score actions.

**You are currently at risk for attack.**

- [Account Breach](#)
- [Elevation of Privilege](#)
- [Data Exfiltration](#)



Obrigado!

Partners make more possible

