Disclaimer

This presentation is a commentary on the GDPR, as Microsoft interprets it, as of the date of publication. We've spent a lot of time with GDPR and like to think we've been thoughtful about its intent and meaning. But the application of GDPR is highly fact-specific, and not all aspects and interpretations of GDPR are well-settled.

As a result, this presentation is provided for informational purposes only and should not be relied upon as legal advice or to determine how GDPR might apply to you and your organization. We encourage you to work with a legally qualified professional to discuss GDPR, how it applies specifically to your organization, and how best to ensure compliance.

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Connective @Connect17
28 September 2017

Accelerate GDPR compliance with Microsoft Services

Jørgen Woortman
Architect - Security & Identity Solutions Strategy

This presentation is intended to provide an overview of GDPR and is not a definitive statement of the law.

"Make no mistake, the GDPR sets a new and higher bar for privacy rights, for security, and for compliance.

And while your journey to GDPR may seem challenging, Microsoft is here to help all of our customers around the world."

Brad Smith
President & Chief Legal Officer
Microsoft Corporation

"As the GDPR raises the privacy bar to a new level, I think cloud computing is going to help many organizations manage their data better and ultimately be more protective for an organization," Bellamy said. "If they work with the right trusted partners, it will go a long way towards satisfying their GDPR compliance."

- Bojana Bellamy, President of the Centre for Information Policy Leadership

"With less than one year to go around this regulation, we believe that the only reasonable path to achieve rapid readiness for compliance is to look for a solution that is going to promote sustainability, and automation, and certainly give you assurance it isn't a wasted tech investment. And for those reasons, EY believes the best way to do this is to look at your legacy systems that hold personal data and move them into a cloud, like Microsoft offers."

- Angela Saverice-Rohan , EY's Americas Privacy Leader

"We see that companies that are really embracing GDPR as a strategic business opportunity are accelerating are moving to the cloud in a more comprehensive way. They see an opportunity to create that business driver at the top of their technology decisions so that they are not only enhancing their compliance with GDPR, but actually enhancing their ability to provide a better customer experience today and in the future."

- Valerie Abend, Accenture's Global Lead for Cyber Regulation

Providing clarity and consistency for the protection of personal data

The **General Data Protection Regulation** (GDPR) imposes new rules on organizations that offer goods and services to people in the European Union (EU), or that collect and analyze data tied to EU residents, no matter where they are located.

- **Enhanced** personal privacy rights

- **Increased** duty for protecting data

- **Mandatory** breach reporting

- **Significant** penalties for non-compliance

Microsoft believes the GDPR is an important step forward for clarifying and enabling individual privacy rights

What are the key changes to address the GDPR?

Personal privacy

Individuals have the right to:

- Access their personal data
- Correct errors in their personal data
- Erase their personal data
- Object to processing of their personal data
- Export personal data

Controls and notifications

Organizations will need to:

- Protect personal data using appropriate security
- Notify authorities of personal data breaches
- Obtain appropriate consents for processing data
- Keep records detailing data processing

Transparent policies

Organizations are required to:

- Provide clear notice of data collection
- Outline processing purposes and use cases
- Define data retention and deletion policies

IT and training

Organizations will need to:

- Train privacy personnel & employee
- Audit and update data policies
- Employ a Data Protection Officer (if required)
- Create & manage compliant vendor contracts

What does this mean for my data?

Stricter control on where personal data is stored and how it is used

Better data governance tools for better transparency, recordkeeping and reporting

Protecting customer privacy with GDPR

Improved data policies to provide control to data subjects and help make sure of lawful processing

Our commitment to you

To simplify your path to compliance, we are committing to GDPR compliance across our cloud services when enforcement begins on May 25, 2018.

We will share our experience in complying with complex regulations such as the GDPR.

Together with our partners, we are prepared to help you meet your policy, people, process, and technology goals on your journey to GDPR.

We will stand behind you with contractual commitments for our cloud services that:

- Meet stringent security requirements

- Support customers in managing data subject requests

- Provide documentation that enables customers to demonstrate compliance for all the other requirements of the GDPR applicable to processors and more

Microsoft was the first major cloud services provider to make these commitments to its customers. Our goal is to simplify compliance for our customers with both the GDPR and other major regulations.

The GDPR commitments are now available in the Online Services Terms (OST) at www.microsoft.com/licensing

Preparing for the GDPR

Simplify your privacy journey

Elevate your privacy practices with our cloud

Uncover risk & take action

Use our solutions to expose areas of risk and respond with agility and confidence
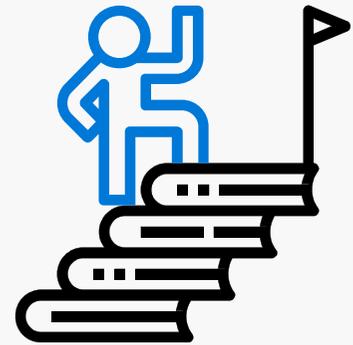
Leverage guidance from experts

Use our partner network to help you meet your privacy, security, and compliance goals

Centralize, Protect, Comply - with the Cloud

Process all in one place

Centralize processing in a single system, simplifying data management, governance, classification, and oversight.

Maximize your protections

Protect data with industry leading encryption and security technology that's in most cases up-to-date and assessed by experts.

Streamline your compliance

Utilize services that already comply with complex, internationally-recognized standards to more easily meet new requirements, such as facilitating the requests of data subjects.
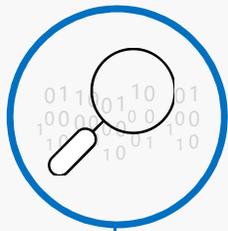
Discover data across systems

- Easily discover and catalog data sources
- Increase visibility with auditing capabilities
- Identify where personal info resides across devices, apps and platforms
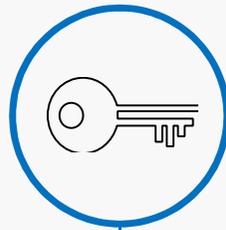
Govern access and processing

- Enforce use policies and access controls across your systems
- Classify data for simplified compliance
- Easily respond to data requests and transparency requirements
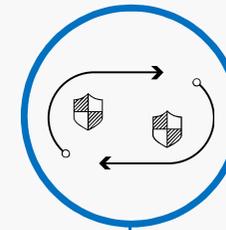
Protect through the entire lifecycle

- Protect user credentials with risk-based conditional access
- Safeguard data with built-in encryption technologies
- Rapidly respond to intrusions with built-in controls to detect and respond to data breaches
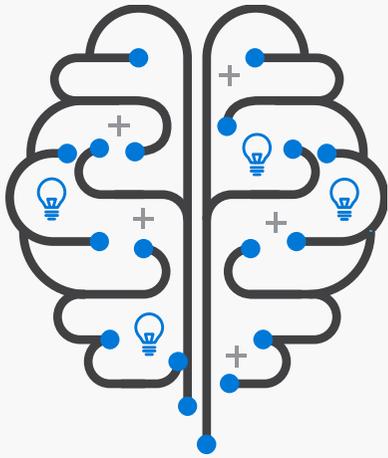
Learn from our experience + Leverage our GDPR preparation resources + Engage our global partner ecosystem
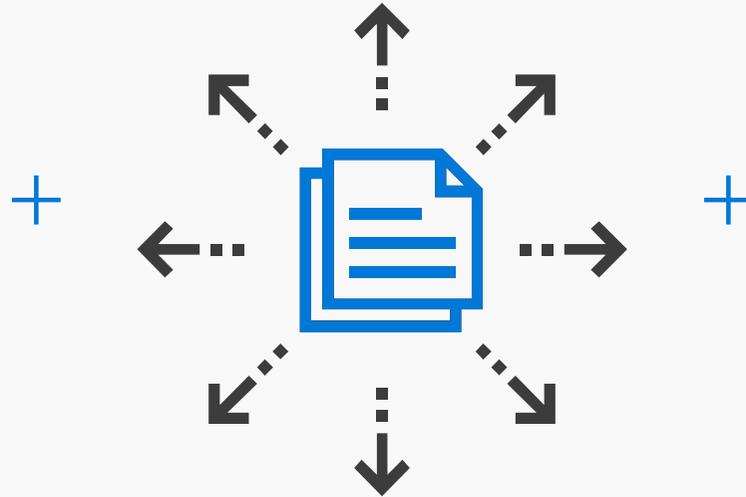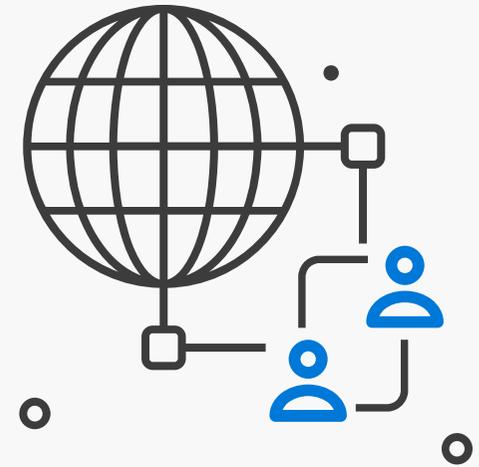
The bigger picture:
# Driving the EU digital single market

Secure digital environment helps building trust, enables digital transformation and increases prosperity in the EU and globally:
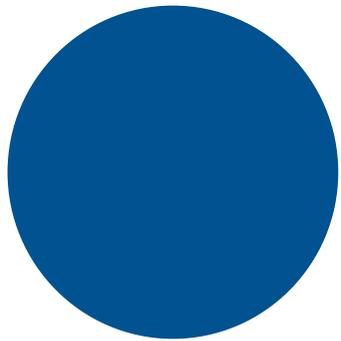
Approved

Applied from 25.5.2018 onwards

All organizations
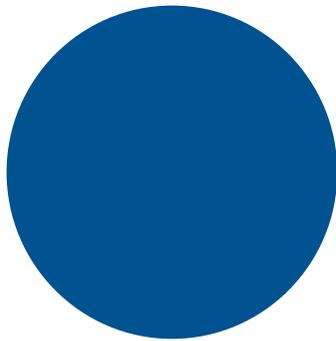
Approved

National implementation by 9 May 2018

Critical sectors
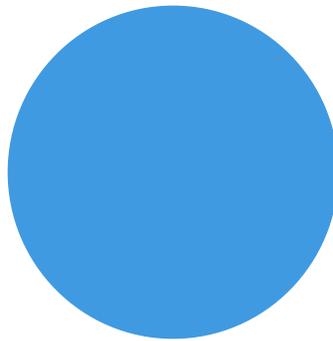
COM proposal January 2017

All organizations
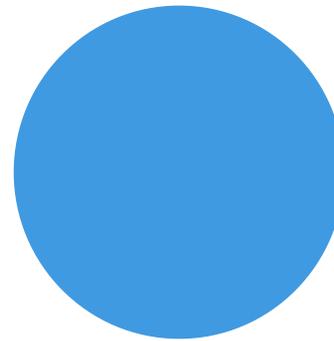
COM guidelines January 2017

All organizations
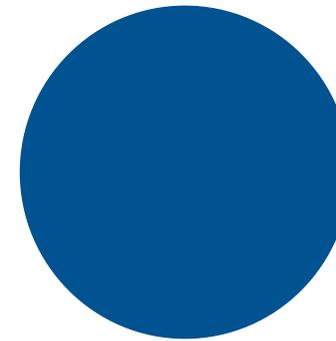
Approved

National implementation by 23 September 2018

Public sector organizations
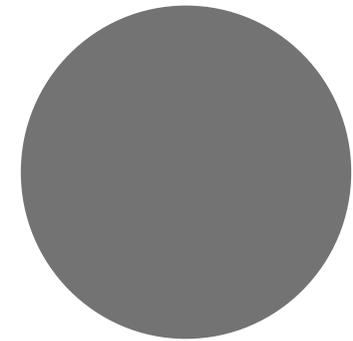
GDPR & Year 2000

"Year 2000" - once upon a time...
17 years ago...
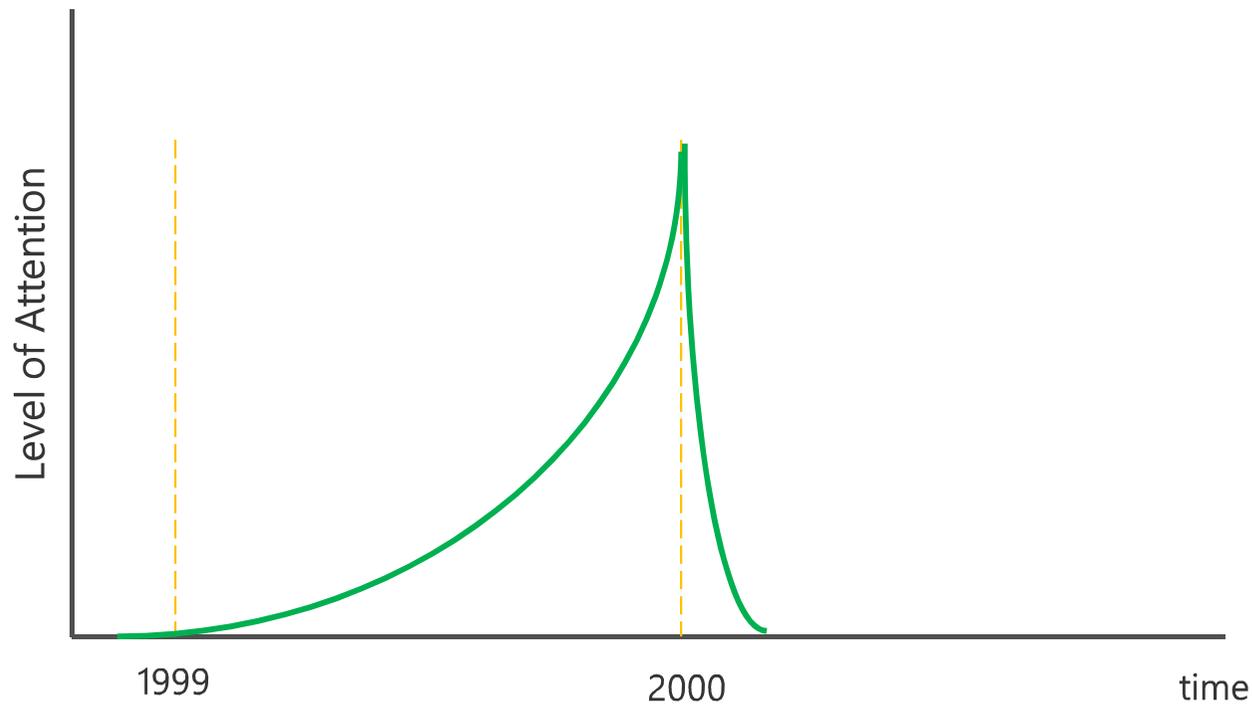
GDPR & Year 2000 – similar, not identical

GDPR - 26 million EU organizations impacted
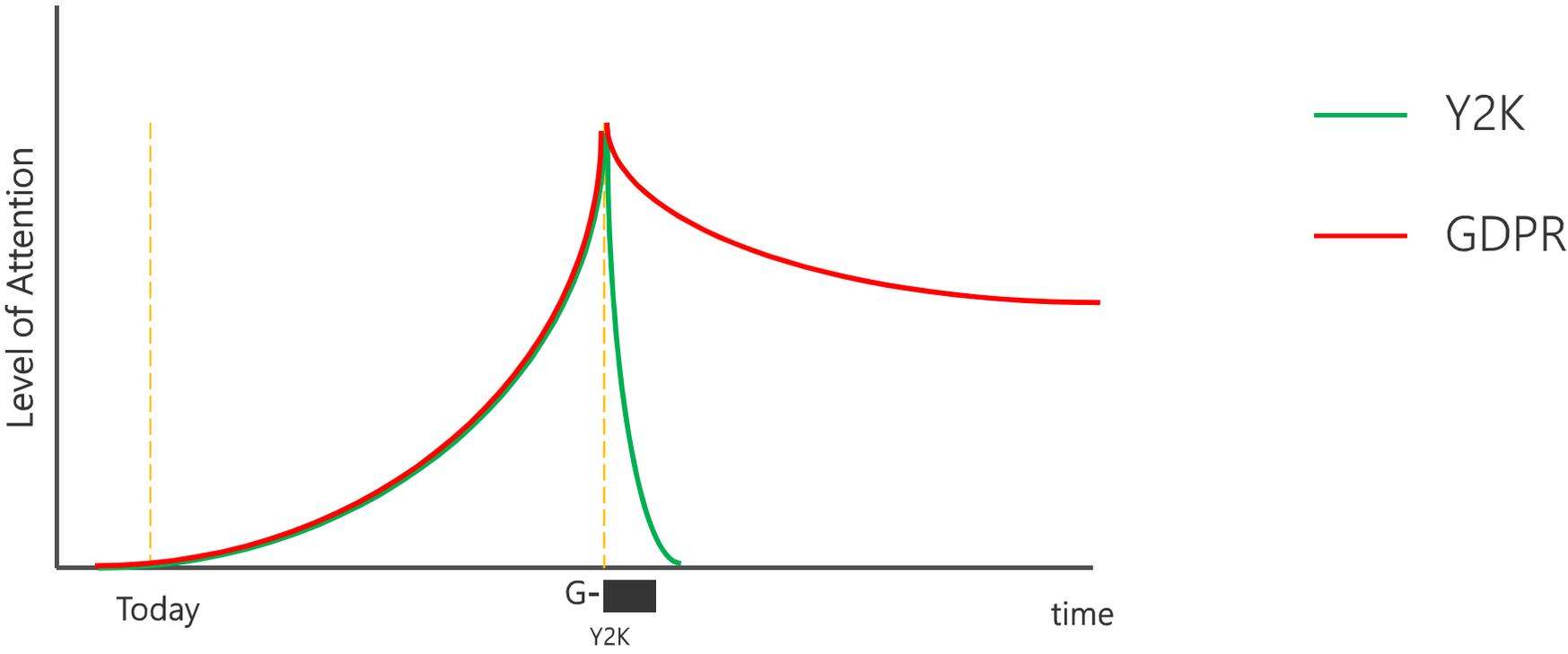
GDPR & Year 2000 – similar, not identical

26 million EU organizations effected

Likely a "panic" zone

GDPR requirements don't go away

Level of Attention

Today

G-
Y2K

time

Y2K
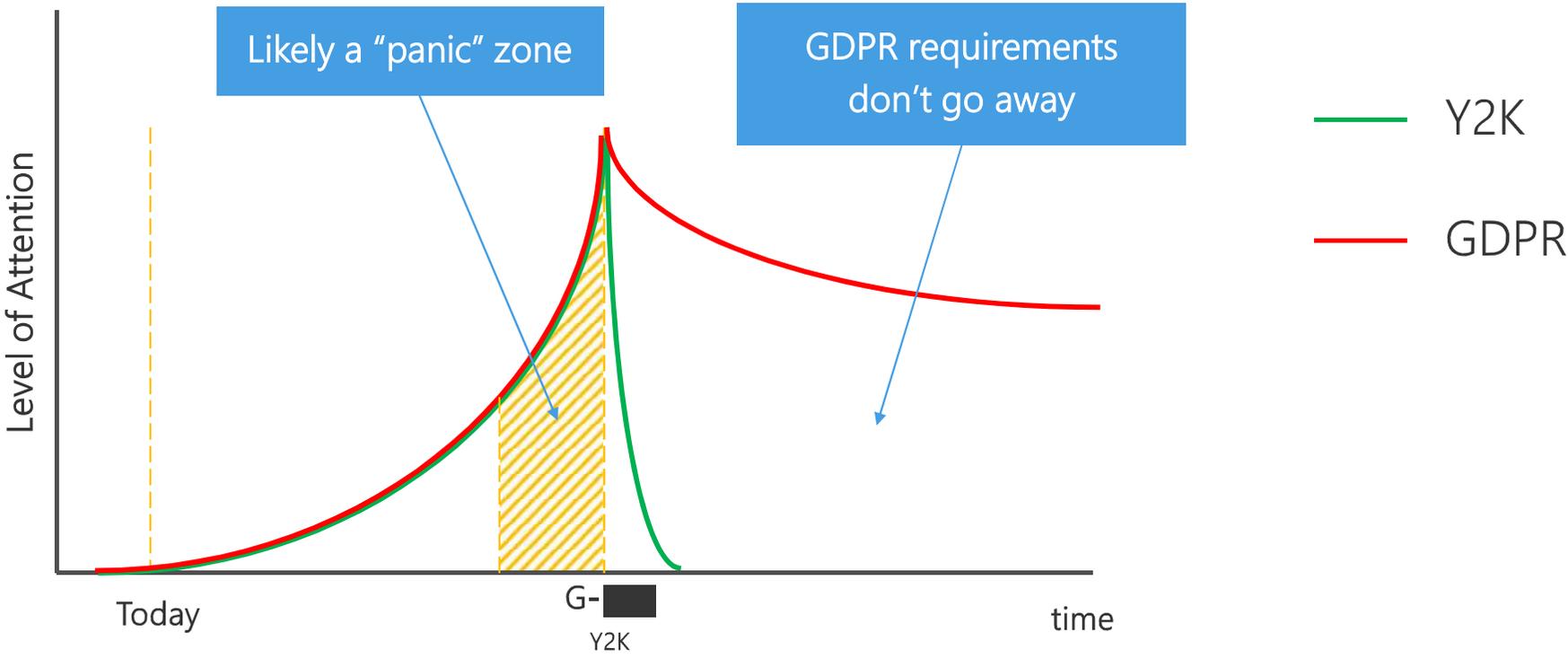
GDPR

GDPR affects your organization

GDPR places a strong emphasis on risk management and security, focusing on processes, procedures, people, and technology.

The changes you make to your business processes and information technologies may happen in parallel, or be sequentially dependent.

You may engage legal and organization advisory firms to assist with identifying where you have gaps in processes or people.

5 core GDPR rules that require your attention now

with Microsoft's recommendations:

Global Mandate	A large number of firms that do business in the Europe market or with European customers will have to tackle privacy rules for the first time. Microsoft Cloud services and your GDPR-related services can be critical to compliance.
Data Breach Notification	With 72-hour data breach notification, partners can utilize Microsoft Cloud services to become an incident response (IR) orchestrator through managed services or professional services.
Privacy-by-design	Partners can work closely with security leaders to provide GDPR assessments and determine how Microsoft Cloud services and partner services can enable customers to meet privacy-by-design requirements.
Data Privacy Officer (DPO)	At least 75,000 DPOs will be required by 2018 WW2. Partners can consider providing DPO as a service to customers.
Evidence of risk mitigation	Per GDPR policy, organizations must demonstrate that they have implemented appropriate measures to mitigate privacy risks. Partners and customers can use Microsoft Cloud services to build evidence of mitigation strategies and controls.

Preparing for GDPR compliance

Questions for leading your preparation:

Do you know **WHERE** your data resides and who has **ACCESS** to that data?

Do you **CONTROL** who has access to your data and how it is **USED** based on risk assessment in **REAL-TIME**?

Can you **CLASSIFY**, **PROTECT** and apply **POLICY-driven** actions to your data, on devices, between apps, in any location, at rest and in transit?

Can you automatically **DETECT** a data or identity breach? Are you able to **RESPOND** adequately to a breach?

Do you continuously **REVIEW** and **UPDATE** your data protection **POLICIES** and **PRACTICES**?

Start your GDPR journey now!

How do I get started?

1 Discover
Identify what personal data you have and where it resides

2 Manage
Govern how personal data is used and accessed

3 Protect
Establish security controls to prevent, detect, and respond to vulnerabilities & data breaches

4 Report
Keep required documentation, manage data requests and breach notifications
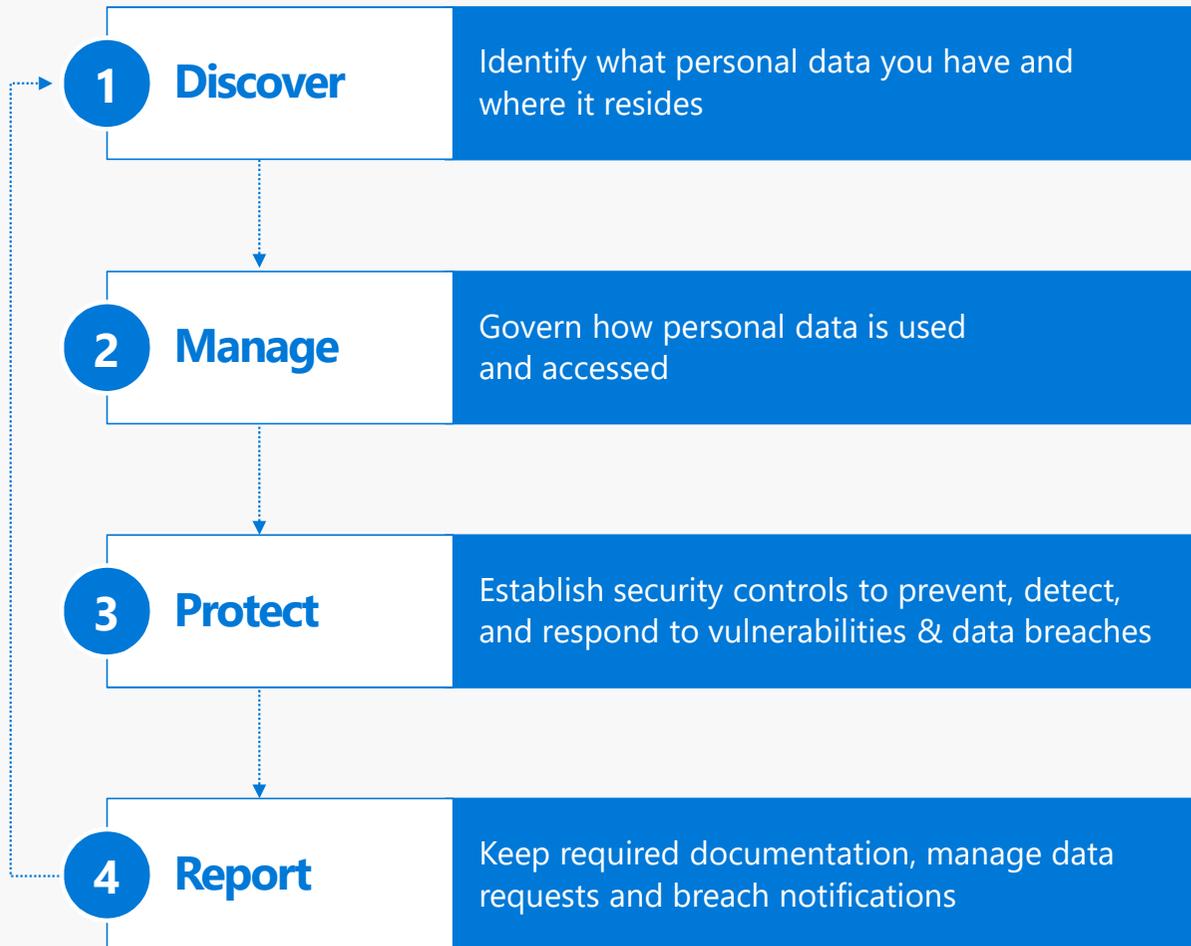
① Discover:

Identify what personal data you have and where it resides

In-scope:

Any data that helps you identify a person

- Name
- Email address
- Social media posts
- Physical, physiological, or genetic information
- Medical information
- Location
- Bank details
- IP address
- Cookies
- Cultural identity

Inventory:

Identifying where personal data is collected and stored

- Emails
- Documents
- Databases
- Removable media
- Metadata
- Log files
- Backups

Example solutions

Microsoft Azure
Microsoft Azure Data Catalog

Enterprise Mobility + Security (EMS)
Microsoft Cloud App Security

Dynamics 365
Audit Data & User Activity
Reporting & Analytics

Office & Office 365
Data Loss Prevention
Advanced Data Governance
Office 365 eDiscovery

SQL Server and Azure SQL Database
SQL Query Language

Windows & Windows Server
Windows Search

(2) Manage:

Govern how personal data is used and accessed within your organization

Example solutions

Microsoft Azure
Azure Active Directory
Azure Information Protection
Azure Role-Based Access Control (RBAC)

Enterprise Mobility + Security (EMS)
Azure Information Protection

Dynamics 365
Security Concepts

Office & Office 365
Advanced Data Governance
Journaling (Exchange Online)

Windows & Windows Server
Microsoft Data Classification Toolkit

Data governance:
Defining policies, roles and responsibilities for the management and use of personal data

- At rest
- In process
- In transit
- Storing
- Recovery
- Archiving
- Retaining
- Disposal

Data classification:
Organizing and labeling data to ensure proper handling

- Types
- Sensitivity
- Context / use
- Ownership
- Custodians
- Administrators
- Users

③ Protect:

Establish security controls to prevent, detect, and respond to vulnerabilities and data breaches

Preventing data attacks:

Protecting your data

- Physical datacenter protection
- Network security
- Storage security
- Compute security
- Identity management
- Access control
- Encryption
- Risk mitigation

Detecting & responding to breaches:

Monitoring for and detecting system intrusions

- System monitoring
- Breach identification
- Calculating impact
- Planned response
- Disaster recovery
- Notifying DPA & customers

Example solutions

Microsoft Azure
Azure Key Vault
Azure Security Center
Azure Storage Services Encryption

Enterprise Mobility + Security (EMS)
Azure Active Directory Premium
Microsoft Intune

Office & Office 365
Advanced Threat Protection
Threat Intelligence

SQL Server and Azure SQL Database
Transparent data encryption
Always Encrypted

Windows & Windows Server
Windows Defender Advanced Threat Protection
Windows Hello
Device Guard

④ Report:

Keep required documentation, manage data requests and breach notifications

Record-keeping:

Enterprises will need to record the:

- Purposes of processing
- Classifications of personal data
- Third-parties with access to the data
- Organizational and technical security measures
- Data retention times

Reporting tools:

Implement reporting capabilities

- Cloud services (processor) documentation
- Audit logs
- Breach notifications
- Handling Data Subject Requests
- Governance reporting
- Compliance reviews

Example solutions

Microsoft Trust Center
Service Trust Portal

Microsoft Azure
Azure Auditing & Logging
Azure Data Lake
Azure Monitor

Enterprise Mobility + Security (EMS)
Azure Information Protection

Dynamics 365
Reporting & Analytics

Office & Office 365
Service Assurance
Office 365 Audit Logs
Customer Lockbox

Windows & Windows Server
Windows Defender Advanced Threat Protection

SOLUTIONS TO HELP YOU
PREPARE FOR THE GDPR

Threat Intelligence

Data Loss Prevention

Intune

Active Directory

Security Center

eDiscovery

Data Log

Audit Logs

Cloud App Security

Key Vault

Data Classification

Threat Detection

Data models

Advanced Threat Protection

Information Protection

Analytics

Windows Hello

Transparent Data Encryption

Always Encrypted

Our industry leading capabilities

Malware largest anti-▇▇▇ and antimalware service

Clients Windows Updates, Error Reports

Email Outlook.com, Office 365

Web content Bing, Azure Active Directory

Cloud platform Azure IaaS and PaaS, Azure Security Center

VISIBILITY

CONTEXT

Trillions of URLs indexed

Hundreds of Billions of authentications, monthly emails analyzed

Billions of daily web pages scans, Windows devices reporting

Hundreds of Millions of reputation look ups

Millions of daily suspicious files detonations

TRUST

1M+ Corporate Machines protected by enterprise IT security

Multi-platform
Cloud-first hybrid enterprise

Decades of experience
as a global enterprise

Runs on Azure
same multi-▇▇▇
Azure environment as you

EXPERIENCE

EXPERTISE

Development Security
Security Development Lifecycle (SDL)—ISO/IEC 27034-▇

Operational Security
Hyper-scale cloud services

Combatting Cybercrime
partnering with law enforcement

Incident Investigation
and recovery for customers

Microsoft protecting you

INTELLIGENT SECURITY GRAPH

Industry Partners | Antivirus Network | CERTs | ...

Cyber Defense Operations Center

Malware Protection Center | Cyber Hunting Teams | Security Response Center | Digital Crimes Unit | ...

Conditional Access | Cloud App Security | Event Management | Information Protection | Key Vault | Security Center | Office 365 Advanced Threat Protection | ...

Active Protection Service | Windows Update | SmartScreen

Advanced Threat Analytics | Azure Active Directory | Active Directory

Identity

Office 365 | PaaS | IaaS | SaaS

Apps and Data

Infrastructure

Device

How we can work with Advisory Firms and Partners

Advisory Firm

Assist customers with their GDPR compliance programs, including:

- GDPR readiness and risk assessment
- Legal support and advice for compliance with the regulation
- Privacy impact assessment for a specific project, system, or set of processing operations
- Review Data Privacy Management Framework and governance structure, including appointment of a Data Protection Officer (DPO)
- Review privacy practices, procedures and systems in relation to GDPR
- Organizational training and awareness campaigns

Microsoft Services

Assist customers with the implementation of foundational capabilities that support GDPR compliance, including:

- Data discover/inventory and analysis tools
- Data classification system
- Integrated search functionality across multiple data sources
- Data loss prevention tools
- Data masking and pseudonymizing techniques
- Data breach prevention mechanisms focusing on high-risk systems
- Data breach detection mechanisms and response planning

Customer

Accountable and **Responsible** for the overall GDPR Program and **compliance**.

Microsoft Partner & System Integrator

Assist with technical implementation of capabilities.
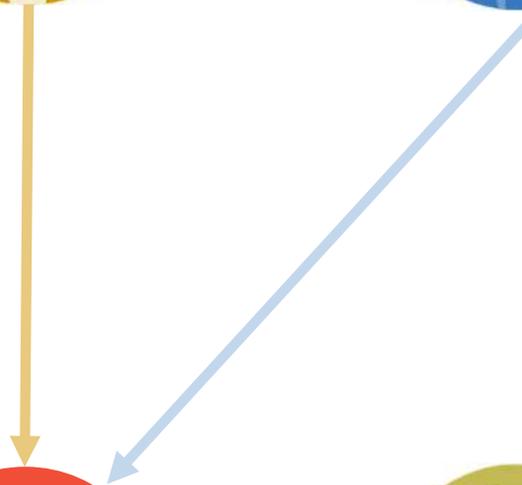
Building a Foundation With Microsoft Services

Modern Cybersecurity Foundation – Mitigate against Cyber threats

Modern Data Platform Foundation – Know where you data is and manage it effectively

Protecting customer privacy with GDPR

Modern Workplace – Optimize end user productivity, collaboration and security

Hybrid Cloud Foundation – Leverage the Cloud's advanced Data and Security capabilities

GDPR requires a **Secure Productive Enterprise** and an **holistic approach to security and data** management
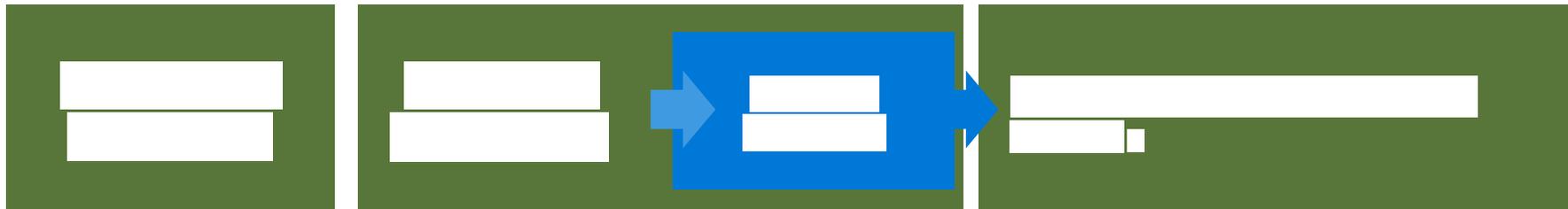
Envisioning Workshop (~1 day)

Agenda:

- GDPR awareness
- Microsoft's commitments to GDPR and our approach
- Assess your current GDPR readiness maturity
- What can we do to help
- Advisory firm partnership model

Key Outcomes:

- Position Discovery & Planning engagement
- In-scope systems

Discovery and Planning (2 weeks)

Agenda:

- Data Discovery
- Data Protection
- Breach Management
- Consent Management
- Data Subject Rights

Key Outcomes:

- Identify systems and infrastructure in scope of GDPR and gaps in current capabilities
- Strategic roadmap of technical capabilities that help improve security posture, and assist with GDPR readiness

Data Discovery Offering

This presentation is intended to provide an overview of GDPR and is not a definitive statement of the law.

Data Discovery Offering Overview

Global enterprises are mandated to comply with new EU regulations and non compliance will result in fines equaling 2-4% of global revenues. Most enterprises are using this requirement to establish systematic IT Asset Management Service and reporting capabilities.

Objectives of the engagement:

Drive a centralized data store to host the asset data from various sources.

Drive data consistency and data quality.

Drive centralized reporting capability to provide insights for Legal, Business and Technical Decision Makers.

Benefits & outcomes

Solution built on Azure – IaaS or PaaS with Power BI for data visualization needs.

Drive focused workshop and quick proof of value.

Assist the customer to meet their regulatory compliance needs.

Components
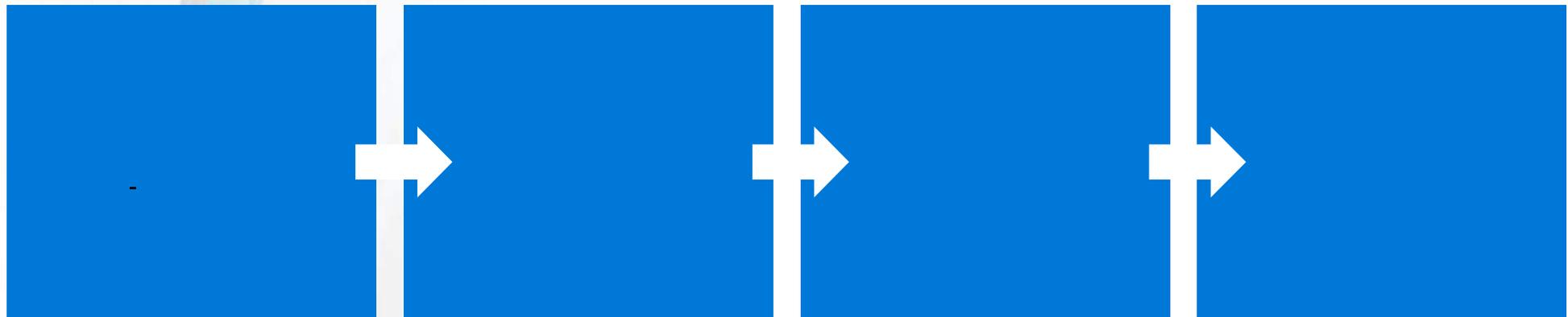
Data Discovery Solution Approach

Reporting & Workflow Solution

Pilot
Activities:
Conduct envisioning workshops
Identify data sources – Customer data and/or Asset data and other GDPR data
Model data
Build Visualization Solution with Power BI reports using the KPI's important to the customer for limited personas

Deliverables:
Configured Azure environment
Working Power BI Dashboards/reports
Integrated data in Azure environment

Timeline:
8 weeks - timeboxed

Phases 1..n
Activities:
Identify and implement the Business rules to validate and action on the compliance rules
Implement Machine Learning model to predict the compliance and vulnerabilities
Create reporting based on the compliance and vulnerabilities
Implement additional data sources and reports
Implement bots to track the compliance based on the roles

Deliverables:
Machine Learning models
Business rules management
Business workflow integration
Power BI reports
Bots

Timeline:
Variable

Additional Capability Work-streams*

Data Inventory, Classification & Rationalization and Lineage tracking

Data Auditing & Data Encryption

Data Access Control

Data Pseudonymizing

Data Retention

Data Subject Rights & Consent Management

Other Data Protection/Breach Management/Data Transfer requirements

Each work stream can be executed in parallel with Pilot or Phase 1; consists of targeted needs assessment and a POC with key reporting to track capability performance

Program Management /Change Management/Dependencies/Solution Integration/Process Improvements/Ongoing Improvements & Verification/Documentation

Security & Identity Program

This presentation is intended to provide an overview of GDPR and is not a definitive statement of the law.

Microsoft

Modernizing your Security Program

Secure Modern Enterprise

Modernize your Security and Identity capabilities to provide the core platform that will help **accelerate** your privacy Program.

Enterprise Services for Building a Secure Modern Enterprise

Critical Attack Defenses

Active Directory Security

- Offline Assessment for Active Directory Security
- Enhanced Secure Administrative Environment

Privileged Access W/station

- Privileged Access Workstation

Restrict Lateral Movement

- Proactive Operations- Securing Lateral Account Movement

Hunt for Persistent Adversary

- Persistent Adversary Detection Services
- Enterprise Threat Detection
- Incident Response Tactical Recovery

Advanced Threat Analytics

- Advanced Threat Analytics Implementation Services

Business Enablement through Modern Identity

Modernize Active Directory

- Design and Implementation for Active Directory
- Enterprise Modernization – AD Upgrade
- Active Directory Migration Service

Implement Identity Management

- Dynamic Identity Framework Assessment
- Microsoft Identity Management Foundation
- Public Key Infrastructure using AD Certificate Services

Enable Cloud & Mobile Identity

- Azure Active Directory Implementation, ADFS, and B2C Services
- Windows 10 Enterprise Security Briefing & Implementation Services
- Information Protection using Azure Rights Management Service

Professional Services Integration, Planning, and Oversight

Beyond the foundation - GDPR Program
Leverage guidance from Microsoft Services and Partners

Privacy

Controls Notifications

Policies

Training

Microsoft + Partner

Envision, Plan → Discover, Manage, Protect, Report

- Microsoft Services will work with you and your Advisory Partner to:
  - Establish gap analysis based on data/security inventories
  - Define projects and work streams to fulfill your GDPR Program

Microsoft does not provide legal advice.

Call to Action

1. Assess where you are on your GDPR journey
   https://www.gdprbenchmark.com
2. Reach out to your Microsoft Account Representative and request an GDPR Envisioning Workshop
3. Learn more at https://microsoft.com/GDPR

Microsoft

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What's next?

Where are you on the road to GDPR compliance?

How can Microsoft and Partner Network help you with your next steps in your GDPR journey?

- ☐ Identify your leadership and legal stakeholders.

- ☐ Engage with Microsoft in the Envisioning Workshop.

- ☐ Engage your Advisory Partner for compliance guidance

- ☐ Build the foundation.

- ☐ Execute on the GDPR Program.
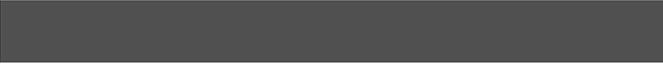
Resources for GDPR compliance

A comprehensive list of resources to help you get up to speed and get started (whitepapers, webcasts, tools, etc.)

GDPR Assessment

A quick, online self-evaluation tool available at no cost to help your organization review its overall level of readiness to comply with the GDPR.

GDPR Detailed Assessment

A detailed set of questions and recommendations designed to help partners assess the customer's maturity of their people, processes, and technology, relevant to the GDPR.

GDPR Demos

Demonstration of how Microsoft products and services may help with GDPR readiness.

http://Microsoft.com/GDPR

More GDPR resources

[GDPR webpage on the Microsoft Trust Center](#)

[Customer whitepaper: Beginning your GDPR journey](#)

[Video of Brendon Lynch Sharing his Perspective on the GDPR](#)

[Microsoft FAQ on the GDPR](#)

[Blog Post: Earning your trust with contractual commitments to the General Data Protection Regulation](#)

[Blog Post: Get GDPR compliant with the Microsoft cloud](#)

Other resources

Protect & Control your key info assets thru Information Classification:
http://aka.ms/classify (download) or http://aka.ms/ippapers (Sway format)

Online Data Classification Wizard:
https://www.microsoft.com/security/data/

National Institute of Standards and Technology (NIST)
Cybersecurity Framework - Tools & References from Microsoft:
http://aka.ms/nist-microsoft

Enterprise Mobility + Security Video:
https://youtube.com/watch?v=avv6cgY54eI

Audit and GRC assessment reports for Microsoft Cloud Services:
https://aka.ms/ComplianceReportsCloud

Shared Responsibilities for Cloud Computing:
https://aka.ms/shared-responsibility

"Cloud for Global Good" (eBook):
https://news.microsoft.com/cloudforgood/

GDPR COMPLIANCE WILL REQUIRE A **SECURE PRODUCTIVE ENTERPRISE**
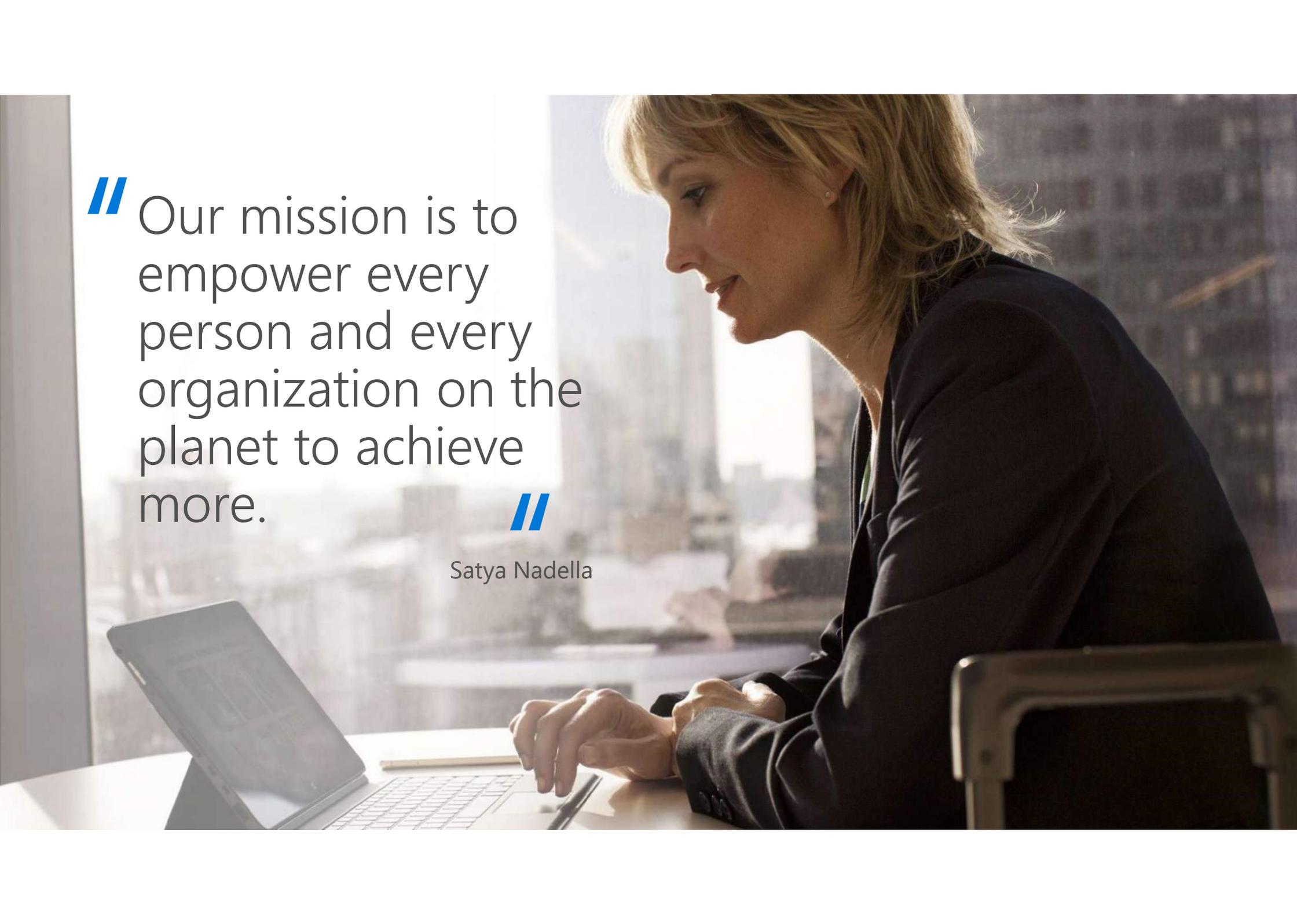
" Our mission is to empower every person and every organization on the planet to achieve more. "

Satya Nadella

Empower your employees by creating a secure productive enterprise

Trust

Protect your organization, data and people

Collaboration

Create a productive workplace to embrace diverse workstyles

Mobility

Enable your people to get things done anywhere
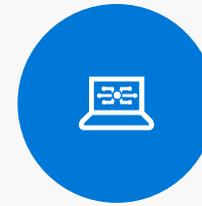
Intelligence

Provide insights to drive faster, better business decisions
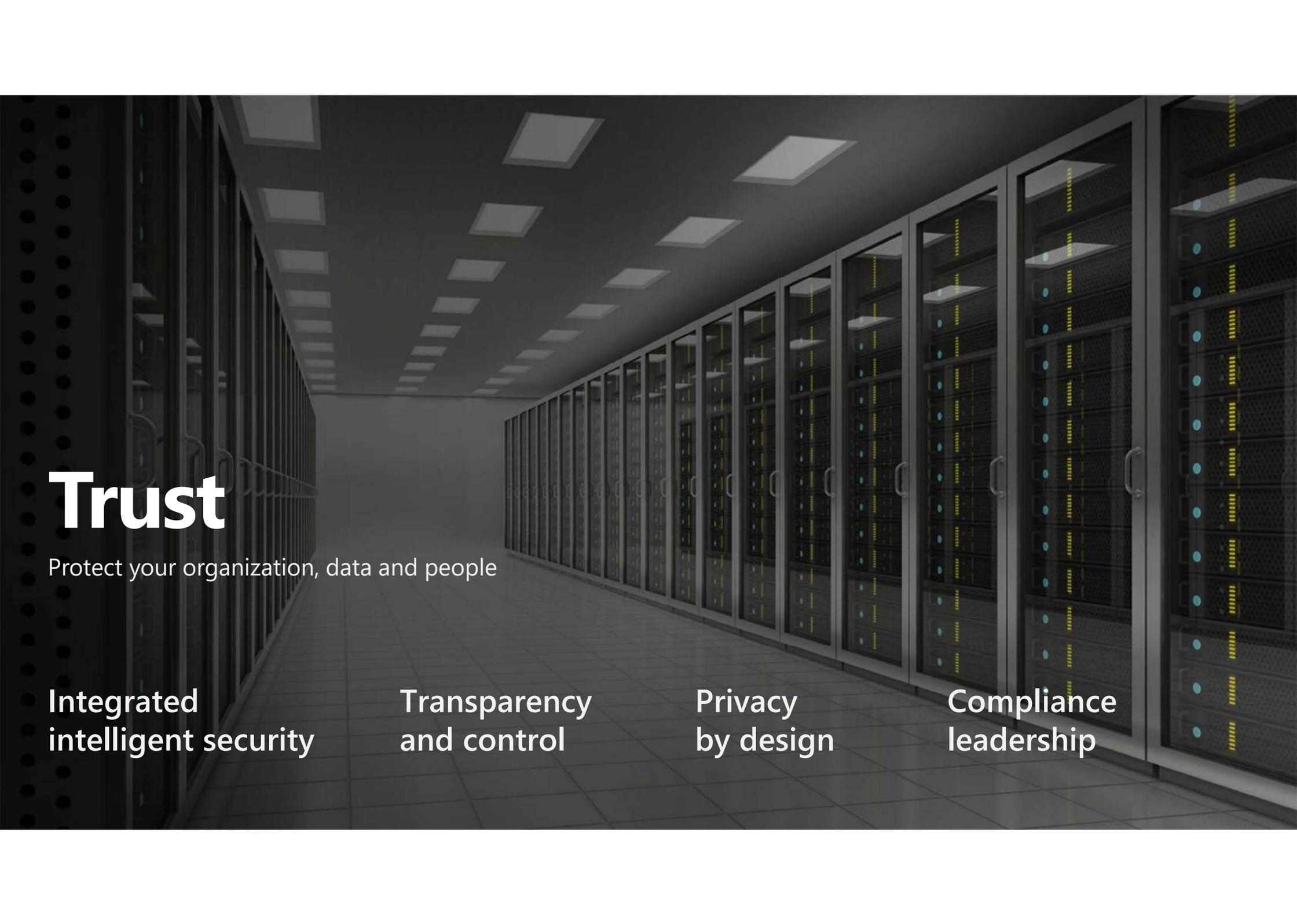
Trust

Protect your organization, data and people

Integrated intelligent security

Transparency and control

Privacy by design

Compliance leadership
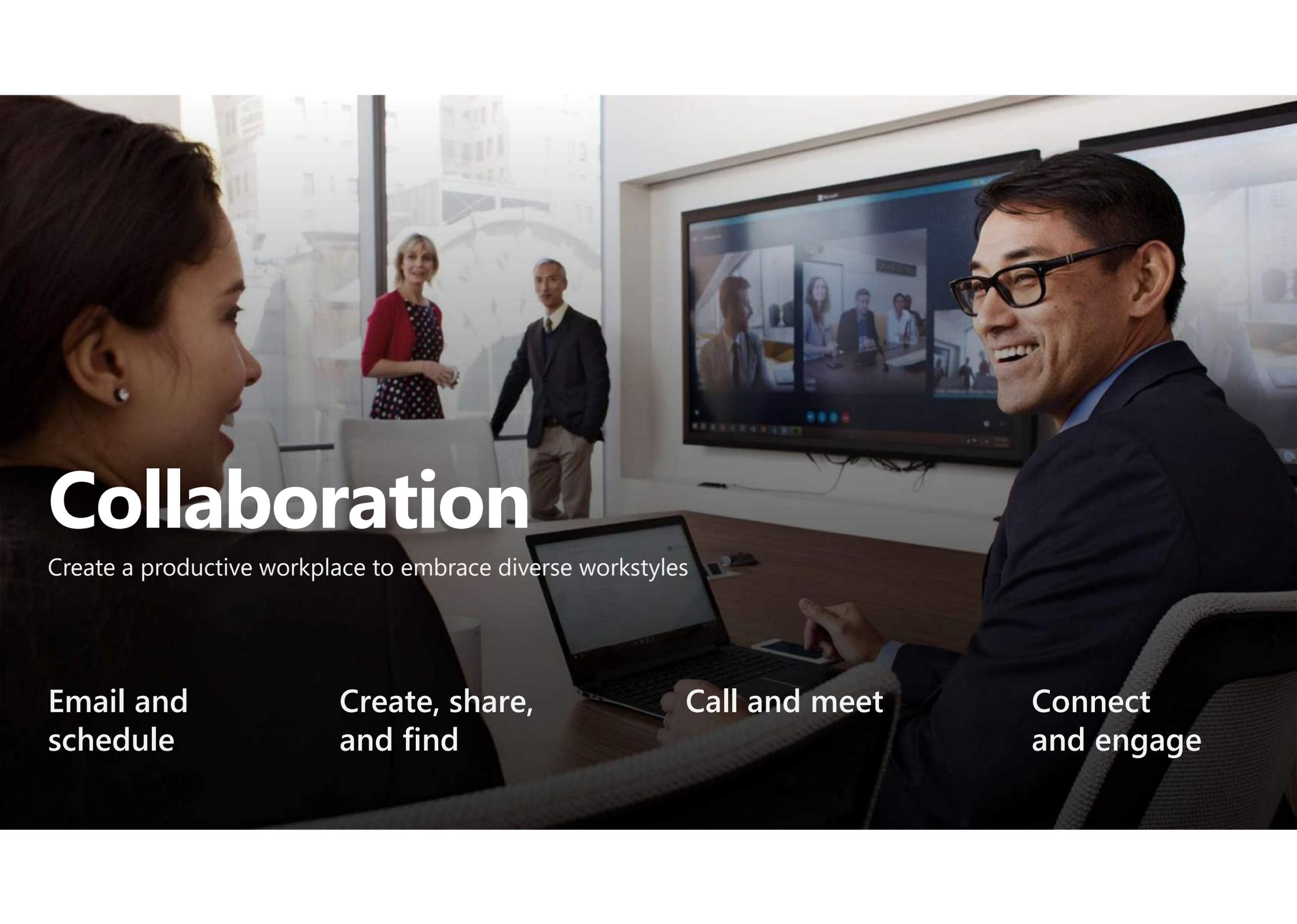
Collaboration

Create a productive workplace to embrace diverse workstyles

Email and schedule

Create, share, and find

Call and meet

Connect and engage
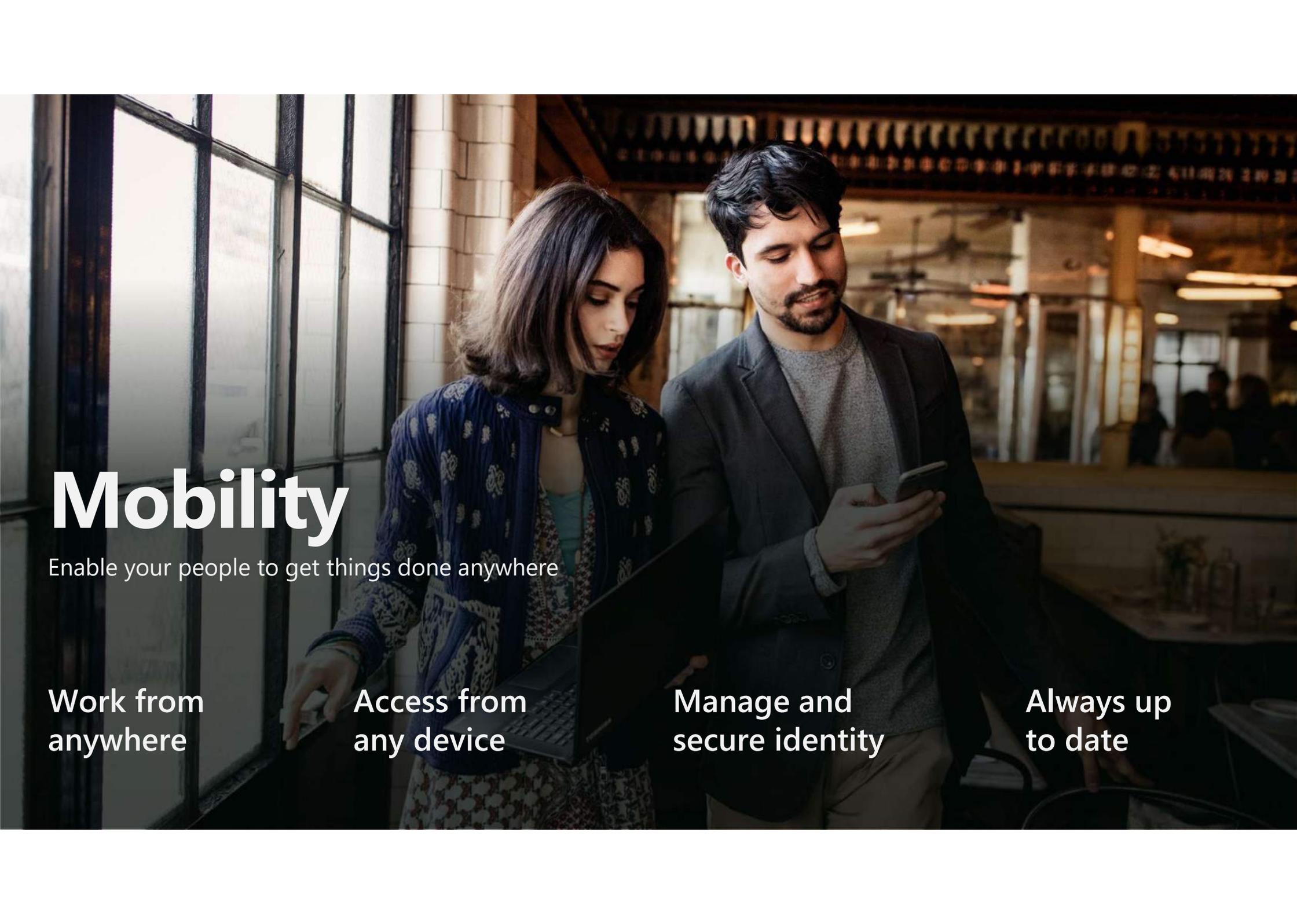
Mobility

Enable your people to get things done anywhere

Work from anywhere

Access from any device

Manage and secure identity

Always up to date
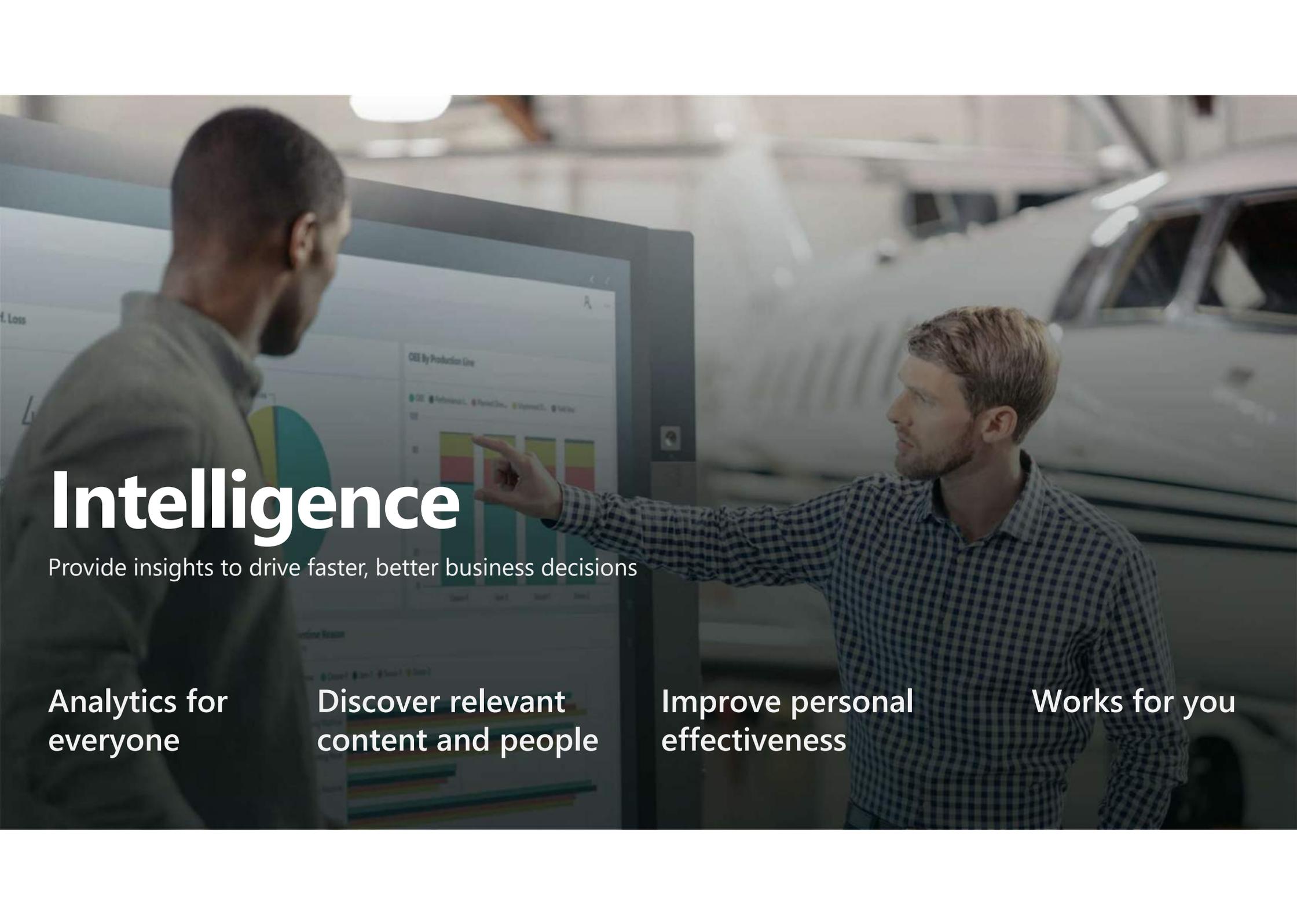
Intelligence

Provide insights to drive faster, better business decisions

Analytics for everyone

Discover relevant content and people

Improve personal effectiveness

Works for you

GDPR + Office Product Mapping

Office 365 is a highly secure, comprehensive cloud-based productivity platform. Office 365 enables you to keep your enterprises' users and data protected both in transit and at rest. When you entrust your data to Office 365, you remain the sole owner: you retain the rights, title, and interest in the data. Company Officers can use the rich collaboration and BI tools of Office 365 to maintain their policies, automate workflows & track responsibilities related to GDPR and other business requirements.

Discover Right to Erasure Right to Data Portability	Manage Documentation Privacy by Design	Protect Data Security Data Transfer	Report Documentation Breach Response and Notification
Security & Compliance Center A one-stop portal for protecting your data in Office 365. Grant permissions to people who perform compliance tasks.			
Data Loss Prevention Unified policies covering client end-points, empowering IT pros			
Advanced Data Governance* Classify, preserve and/or purge data based on automatic analysis and policy recommendations			
Content search run very large searches across mailboxes, public folders, Office 365 Groups, Microsoft Teams, SharePoint Online sites, One Drive for Business locations, and Skype for Business conversations	**Data Governance** archive and preserve content in Exchange Online mailboxes, SharePoint Online sites, and OneDrive for Business locations, and import data into your Office 365 organization.	**Threat Management** helps you control and manage mobile device access to your organization's data, help protect your organization from data loss, and help protect inbound and outbound messages from malicious software and spam	**Audit Logs** record and search desired user and admin activity across your organization
eDiscovery use cases to manage access, place a hold on content locations relevant to the case, associate multiple Content Searches with the case, and export search results	**Information Rights Management** prevent sensitive information from being printed, forwarded, saved, edited, or copied by unauthorized people	**Advanced Threat Protection** provides security functions that protect user environments that contain consumer data including Safe Attachments & Safe Links	**Service Assurance** deep insights for conducting risk assessments with details on Microsoft Compliance reports and transparent status of audited controls.
Advanced eDiscovery* significantly reduce cost and effort to identify relevant documents & data relationships by using machine learning to train the system to intelligently explore large datasets		**Threat Intelligence** analyze and understand their local threat environment, including malware detected, targeted users, and links to global security stats	**Customer Lockbox** control how a Microsoft support engineer accesses your data during a help session
		Advanced Security Management gain enhanced visibility and granular security controls and policies including the ability to suspend user accounts, revoking access to personal data	
		Secure Score insights into your security position and what features are available to reduce risk while balancing productivity and security	
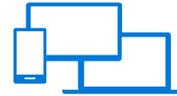
	Identity and access management	**Identity Driven Security**	**Managed Mobile Productivity**	**Information Protection**
EMS E3	**Azure Active Directory Premium P1** Single sign-on to cloud and on-premises applications. Basic conditional access security	**Microsoft Advanced Threat Analytics** Identify suspicious activities & advanced attacks on premises.	**Microsoft Intune** Mobile device and app management to protect corporate apps and data on any device.	**Azure Information Protection Premium P1** Encryption for all files and storage locations. Cloud based file tracking. *Existing Azure RMS capabilities*
EMS E5	**Azure Active Directory Premium P2** Advanced risk based identity protection with alerts, analysis, & remediation.	**Microsoft Cloud App Security** Bring enterprise-grade visibility, control, and protection to your cloud applications.		**Azure Information Protection Premium P2** Intelligent classification, & encryption for files shared inside & outside your organization. *Secure Islands acquisition*

| The most trusted platform	More productive	More personal	The most versatile devices
Enterprise Data Protection Prevent accidental leaks by separating personal and business data	**Azure Active Directory Join** Streamline IT process by harnessing the power of the cloud	**User Experience Virtualization** (UX-V) OS and app settings synchronized across Windows instances	**Windows 10 for Industry Devices** Turn any inexpensive, off-the-shelf device, into an embedded, handheld, or kiosk experience
Windows Hello for Business Enterprise grade biometric and companion device login	**MDM enablement** Manage all of your devices with the simplicity of MDM	**Granular UX Control** Enterprise control over user experience	
Credential Guard Protects user access tokens in a hardware-isolated container	**Windows Store for Business, Private Catalog** Create a curated store experience for employee self-service		
AppLocker Block unwanted and inappropriate apps from running	**Application Virtualization** (App-V) Simplify app delivery and management		
Device Guard Device locked down to only run fully trusted apps	**Cortana Management** Create, personalize, and manage Cortana profiles through Azure Active Directory		

Advanced Threat Protection
Behavior-based, attack detection
Built-in threat intelligence
Forensic investigation and mitigation
Built into Windows

Windows 10 Enterprise **E5**

Windows 10 Enterprise **E3**

GDPR COMPLIANCE
WILL REQUIRE A **HOLISTIC**
APPROACH TO SECURITY

Microsoft Secure

Ensuring security to enable your digital transformation through a comprehensive platform, unique intelligence, and broad partnerships
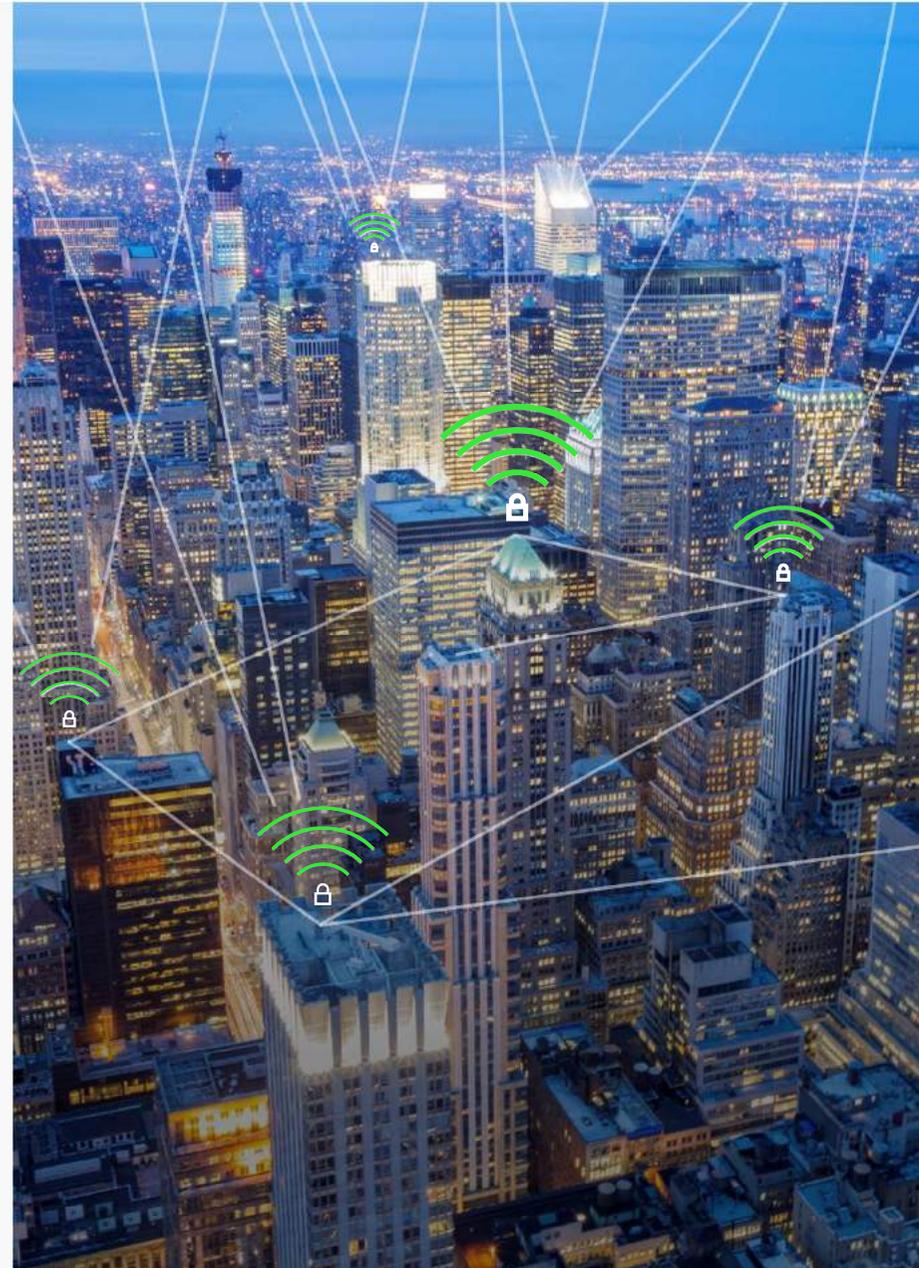
Microsoft

TURBULENT TIMES

2 Billion records compromised in the last year

140+ DAYS between infiltration and detection

$15 MILLION of cost/business impact per breach

Microsoft Secure

Ensuring security to enable your digital transformation through a comprehensive platform, unique intelligence, and broad partnerships

Microsoft