What are your biggest challenges?

Evolving regulations

Classifying and mapping data

Scaling workflows and processes

Responding to audits and DSRs

Discovering data

Insider risks

Securing data

Influx of data

Managing the data lifecycle

Multiple point solutions

Preventing data leaks

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217 daily updates from over 1000 regulatory bodies worldwide

Lack of in-house expertise on standards and regulations

The amount of data is expected to more than double every two years

Complexity of managing the influx of data

54% of organizations say lack of visibility across their digital estate is a major concern

Limited visibility into risks within the organization

Manual data management tasks can be reduced by 45% with the addition of machine learning and automation

Need to scale processes with automation

RAZOR TECHNOLOGY

Intelligent compliance and risk management solutions

Information Protection & Governance

Protect and govern data wherever it lives

Insider Risk Management

Identify and take action on critical insider risks

Discover & Respond

Quickly investigate and respond with relevant data

Compliance Management

Simplify compliance and reduce risk

RAZOR TECHNOLOGY

Information Protection & Governance

Protect and govern data wherever it lives

The amount of data is expected to more than double every two years

Discovering and managing data is challenging

88%
of organizations no longer have confidence to detect and prevent loss of sensitive data[1]

>80%
of corporate data is "dark" – it's not classified, protected or governed[2]

#1
Protecting and governing sensitive data is biggest concern in complying with regulations[3]

1. Forrester. Security Concerns, Approaches and Technology Adoption. December 2018
2. IBM. Future of Cognitive Computing. November 2015
3. Microsoft GDPR research, 2017

" With Microsoft Information Protection, we better safeguard all files, whether they're being accessed internally or sent externally. We can prevent unprotected files from being downloaded and viewed anywhere. We protect our IP without our security measures getting in the way of collaboration and innovation. "

Dave Vilwock
Senior Manager of Application Development
Komatsu

RAZOR TECHNOLOGY

Microsoft Information Protection

Understand sensitive and business critical data across your organization

Built-in
Built-in labeling and protection experience in Office apps,
Office 365 services, other MS services like Power BI, Edge, and Windows
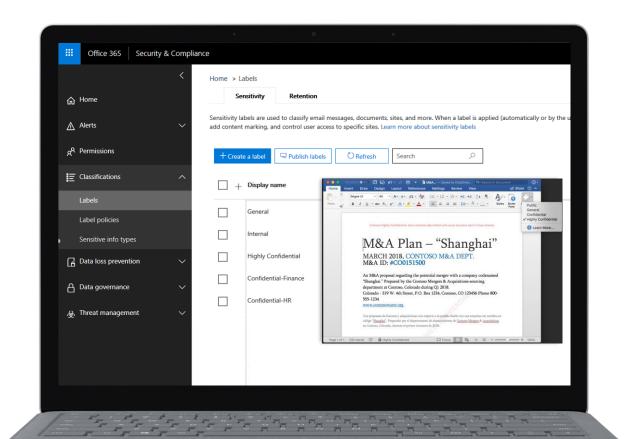
Intelligent
Accuracy in classification via ML based trainable classifiers and exact
data match

Unified
Single admin console to configure and manage your policies and view
analytics across on-premises, Office apps, Microsoft 365 services, third-party
party services (via MCAS) and devices

Extensible
MIP development platform extends the protection experience,
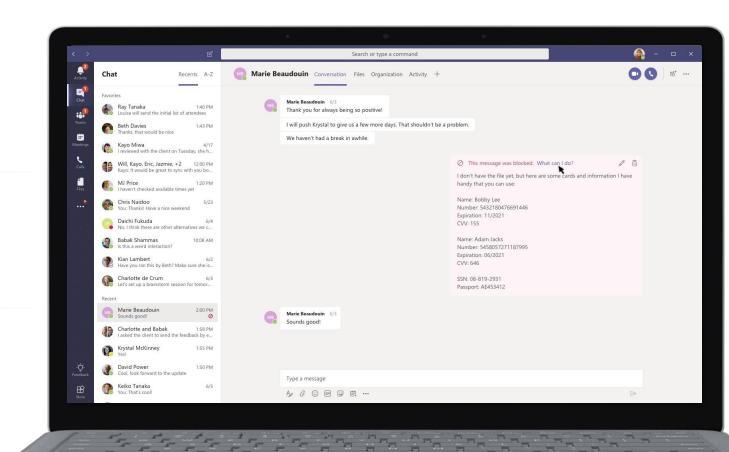in a consistent way, to popular non-Microsoft apps and services

Data Loss Prevention for Microsoft Teams

Prevent sharing sensitive information in a channel or chat session

Automatically block messages which contain sensitive information

Educate and guide end-users with notifications and "policy tips"

Unified classification engine supporting 90+ sensitive information types and custom sensitive info type creation

Microsoft Information Governance
Intelligent and built-in data and records management

In-place management
Retain data and manage records where your users collaborate

Automated policy
Classify and govern data at scale with pattern recognition and trainable classifiers

Ongoing data ingestion
Manage chats, social, and collaboration data beyond Microsoft with high-fidelity import

Enhanced defensibility
Demonstrate compliance with proof of disposals, defensible disposition, and rich audit trails

Information Governance
Keep what you need and delete what you don't

Records Management
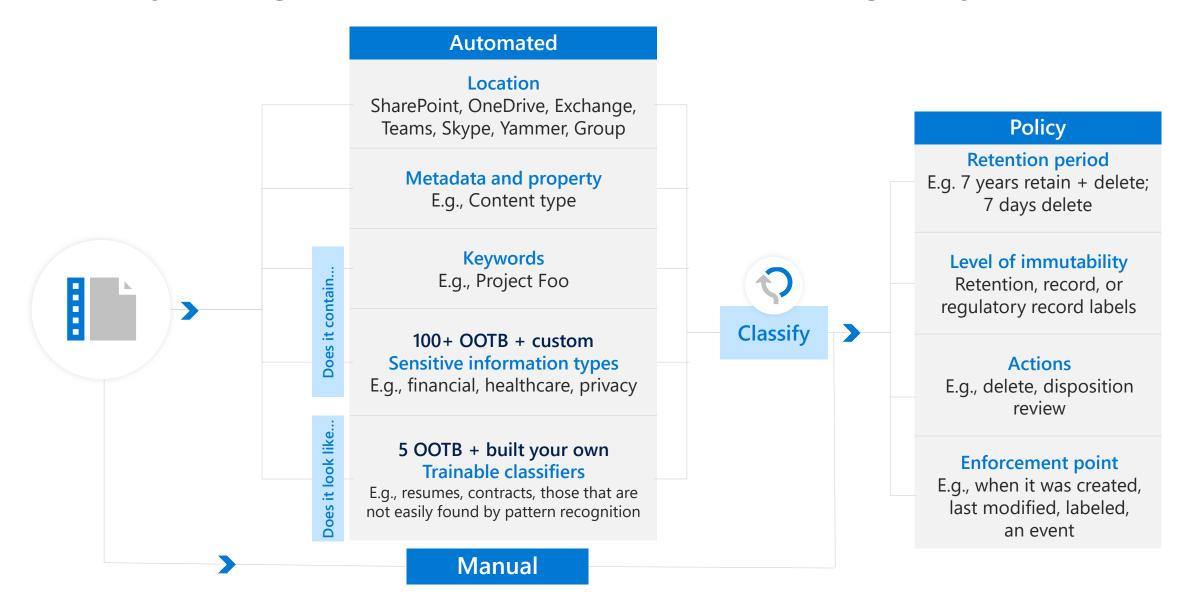Manage high value content and meet recordkeeping obligations

RAZOR TECHNOLOGY

Classify and govern data and records intelligently

Automated

Location
SharePoint, OneDrive, Exchange, Teams, Skype, Yammer, Group

Metadata and property
E.g., Content type

Keywords
E.g., Project Foo

100+ OOTB + custom
Sensitive information types
E.g., financial, healthcare, privacy

5 OOTB + built your own
Trainable classifiers
E.g., resumes, contracts, those that are not easily found by pattern recognition

Does it contain...

Does it look like...

Manual

Classify

Policy

Retention period
E.g. 7 years retain + delete; 7 days delete

Level of immutability
Retention, record, or regulatory record labels

Actions
E.g., delete, disposition review

Enforcement point
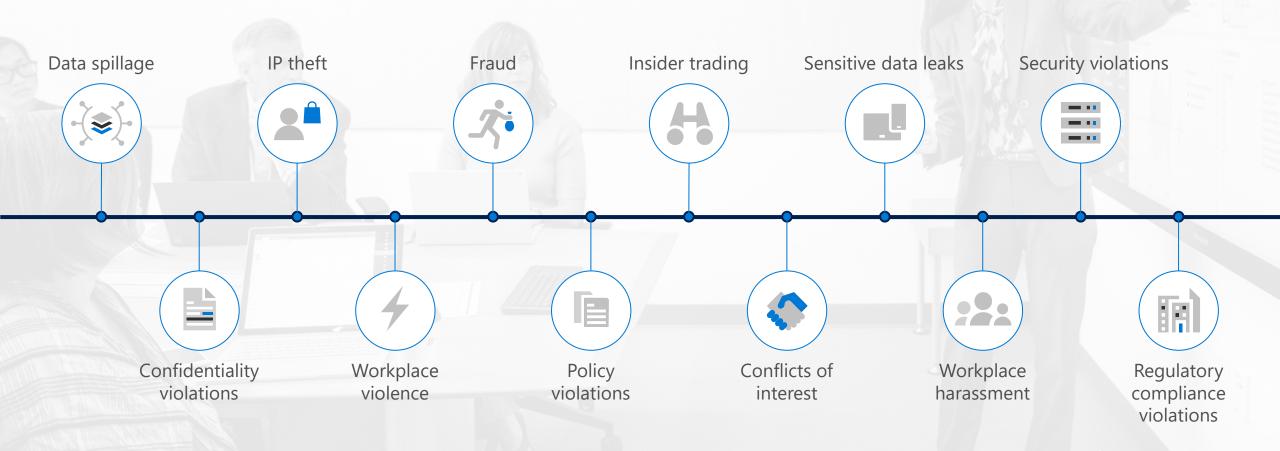E.g., when it was created, last modified, labeled, an event

Insider Risk Management

Identify and take action on critical insider risks

54% of organizations say lack of visibility into risks across their digital estate is a top concern

Broad range of risks and violations from insiders

Data spillage

IP theft

Fraud

Insider trading

Sensitive data leaks

Security violations

Confidentiality violations

Workplace violence

Policy violations

Conflicts of interest

Workplace harassment

Regulatory compliance violations

"

The Microsoft Insider Risk Management solution has helped us receive a 9.6 out 10 score from security audits. We can now intelligently evaluate relevant insider activities and set up actions to filter and report based on risk associated with the data stored and escalate to relevant parties.

"

Chad Ergun
Chief Information Officer
DGS Law

RAZOR TECHNOLOGY

Insider Risk Management
Identify and take action on critical insider risks

Rich insights via tailored templates
Machine learning correlates native and third-party signals to identify insider risks

Privacy built-in
Anonymity controls ensure data about risks is appropriately managed

End-to-end investigations
Integrated investigation workflows allow for collaboration across IT, HR, and legal

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Communication Compliance
Quickly identify and remediate corporate code-of-conduct policy violations

Intelligent customizable playbooks
Leverage machine learning to detect violations
across Teams, Exchange and third-party party content

Flexible remediation workflows
Remediation workflows to quickly act on violations

Actionable insights
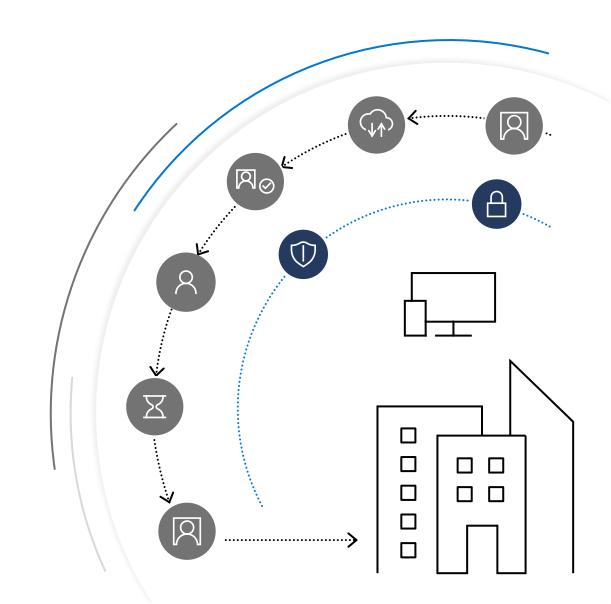Interactive dashboard with policy violations,
actions, and trends

RAZOR TECHNOLOGY

Privileged Access Management

Controlling privileged access by Microsoft
service engineers and by your administrators

The principle of **zero standing access**

Just in time and **just enough access**

Privileged workflow

Logging and **auditing**

RAZOR TECHNOLOGY

Built in Encryption and Key Mgmt

Capabilities for added protection and control
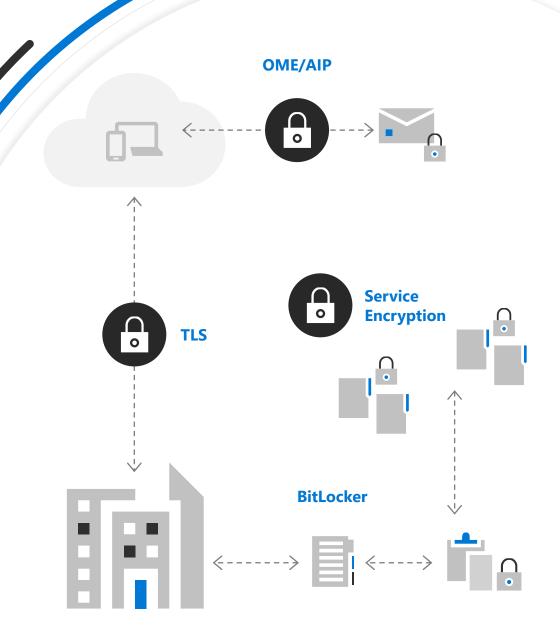
Meets **rigorous industry standards**

Data is **encrypted by default** at-rest and in-transit

Additional customer controls for added protection and control

Option to manage and control your own encryption keys to help meet compliance needs

OME/AIP

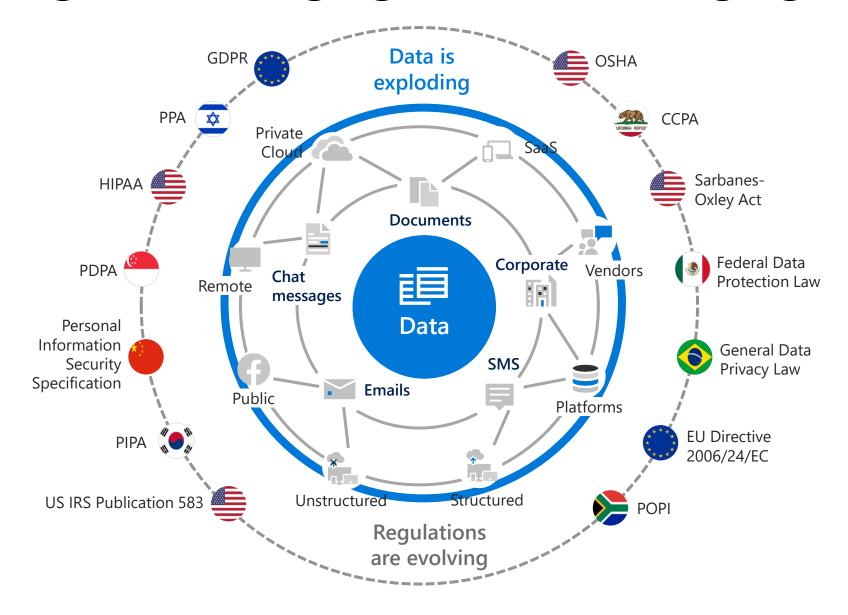**Service Encryption**

TLS

BitLocker

Discover & Respond

Quickly investigate and respond with relevant data

Discovering and managing data is challenging

Discovering data efficiently is top of mind for many organizations

74%
orgs to shift some employees to remote work permanently
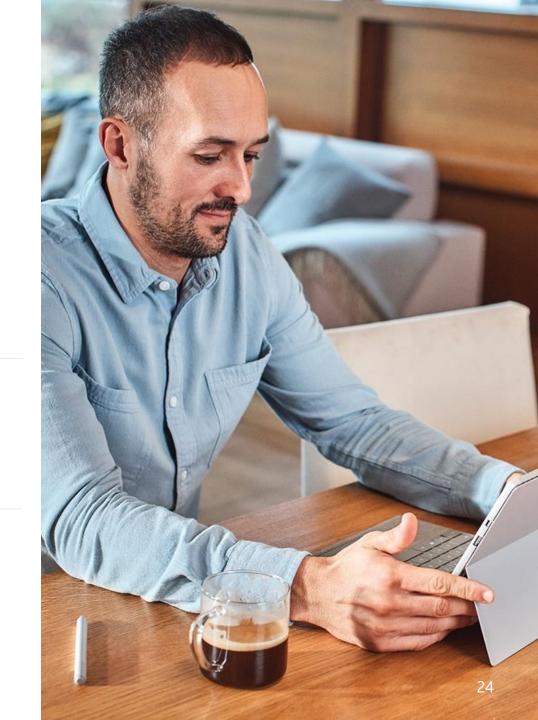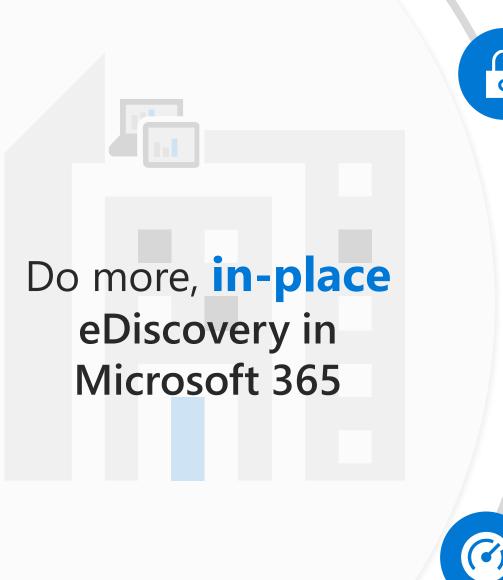
63%
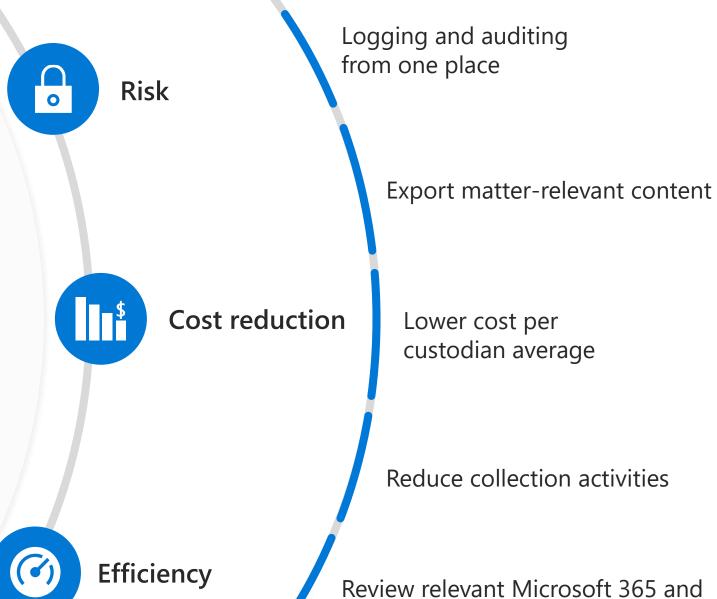expect their company to conduct more investigations over the next three years

71%
are considering leveraging technology and/or best practices to improve legal operations

Advanced eDiscovery
Quickly find and respond with only the relevant information

Custodian Management and Communications
Preserve content by custodian, send hold notifications
and track acknowledgements
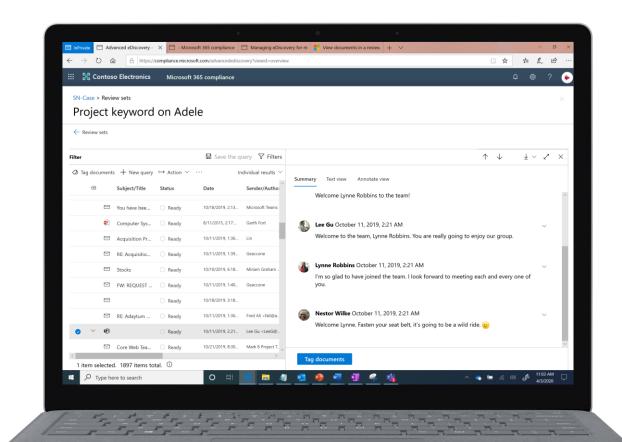
Deep crawling and indexing
Deep processing (e.g., much higher size limits, non-Microsoft file
types) to extract and index text and metadata

Review and manage case data
Manage static sets of documents within a case, that can be independently
searched, analyzed, shared, and acted upon

Cull your data intelligently with ML
Near duplicate detection, email threading, themes, and ML models to
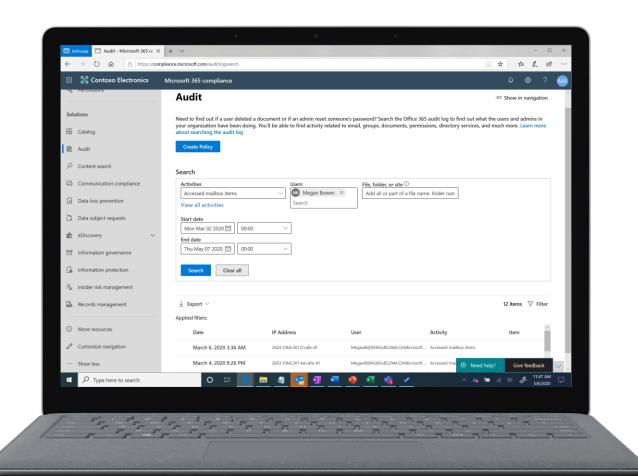identify potential high value content

RAZOR TECHNOLOGY

Advanced Audit

Power fast and effective forensic and compliance investigations

Access crucial events to investigations

Preserve audit logs granularly by individual and event for up to a year

High bandwidth access to data with ~2x the baseline

RAZOR TECHNOLOGY

Compliance Management

Simplify compliance and reduce risk

Managing data and compliance risks is challenging

200+
updates per day from 1000 regulatory bodies

>50%
of organizations state that IT and cybersecurity risks are their biggest concern among all risks

#1
identifying and assessing risks is the most time-consuming task in risk management

1. Cost of Compliance 2019, Thomson Reuters
2. Risk management market landscape web survey, Gartner, May 2019 (n=500, buyers and influencers of IRM solutions, 1000+ employees
3. Deloitte's 2019 survey of risk management

Shared responsibility model

Responsibility	On-Prem	IaaS	PaaS	SaaS
Data classification and accountability	■	■	■	■
Client & end-point protection	■	■	■	◨
Identity & access management	■	■	◨	◨
Application level controls	■	■	◨	◧
Network controls	■	◨	◧	◧
Host infrastructure	■	◨	◧	◧
Physical security	■	◧	◧	◧

■ **Customer management of risk**
Data classification and data accountability

◨ **Shared management of risk**
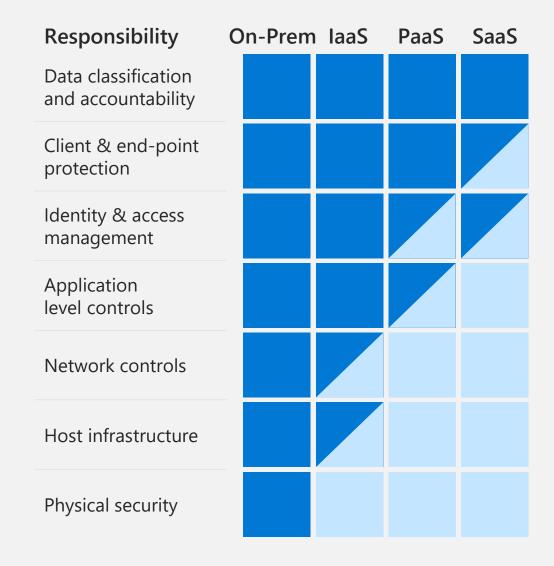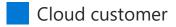Identity & access management | End point devices

◧ **Provider management of risk**
Physical | Networking

■ Cloud customer   ◧ Cloud provider

Examples of shared responsibilities: NIST

NIST 800-53

Access to production environment

Set up access controls that strictly limit standing access to customer's data or production environment

Protect data

Encrypt data at rest and in transit based on industrial standards (BitLocker, TLS, etc.)

Personnel control

Strict screening for employees, vendors, and contractors, and conduct trainings through onboarding process

Organization responsibility

Microsoft responsibility

Access to production environment

Set up access control policy and SOP, leveraging Customer Lockbox / identity management solutions

Protect data

Encrypt data based on org's compliance obligations. E.g. encrypt PII in transit between users, using its own encryption key, etc.

Personnel control

Allocate and staff sufficient resources to operate an organization-wide privacy program, including awareness-raising and training

Office 365

Companies need tools and guidance

✓≡ **Keeping up with new and frequently updated regulations is ongoing struggle**

📄 **Point-in-time assessments fail to identify risks between audits, a huge blindsight in a digital world**

🛢 **Collaboration on risk and compliance management is inefficient and siloed**

⤢ **Guidance is lacking to help with designing and implementing effective controls**

"I describe my role a lot of times like playing **Whack-A-Mole** at the county fair and I'm knocking down one mole's head which is Sarbanes-Oxley and then PCI pops up, and I knock that one down, then something else pops up. So trying to keep everything going in the right direction and making sure something doesn't pop up and come back to bite us is extremely challenging."

IT decision maker, hospitality industry

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Microsoft Compliance Score

Simplify compliance and reduce risk

Continuous assessments

Detect and monitor control effectiveness automatically with a risk-based score
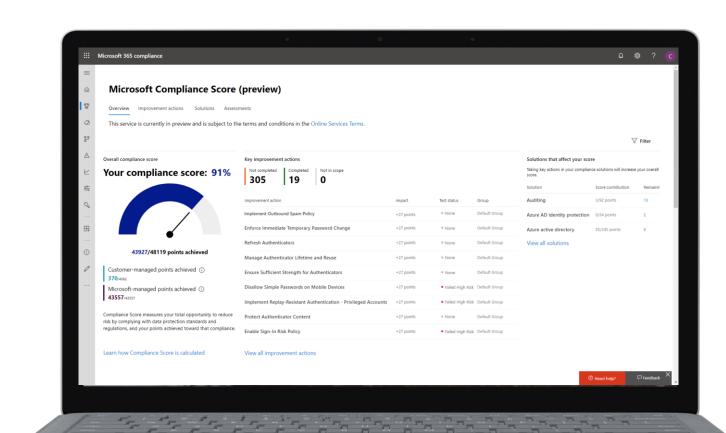
Recommended actions

Reduce compliance risks with actionable guidance

Built-in control mapping

Scale your compliance efforts with built-in mapping across regulations and standards

Compliance Score is a dashboard that provides your Compliance Score and a summary of your data protection and compliance posture. It also includes recommendations to improve data protection and compliance. This is a recommendation, it is up to you to evaluate and validate the effectiveness of customer controls as per your regulatory environment. Recommendations from Compliance Manager and Compliance Score should not be interpreted as a guarantee of compliance.
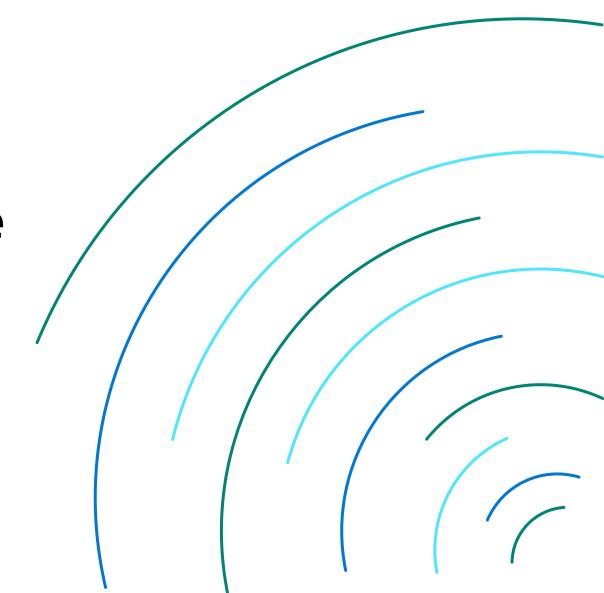

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Microsoft 365 Compliance

Intelligent compliance and risk management solutions

Consider a different approach

Reduce number of solution vendors and leverage shared responsibility

Know, protect and govern your sensitive data throughout its lifecycle

Implement more intelligent, built-in compliance solutions

Discussion

RAZOR TECHNOLOGY

· David Rosenthal
· VP & General Manager
· Digital Business

· @DavidJRosenthal
· Slideshare
· Blog: www.razor-tech.com

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Appendix

Office 365 message encryption
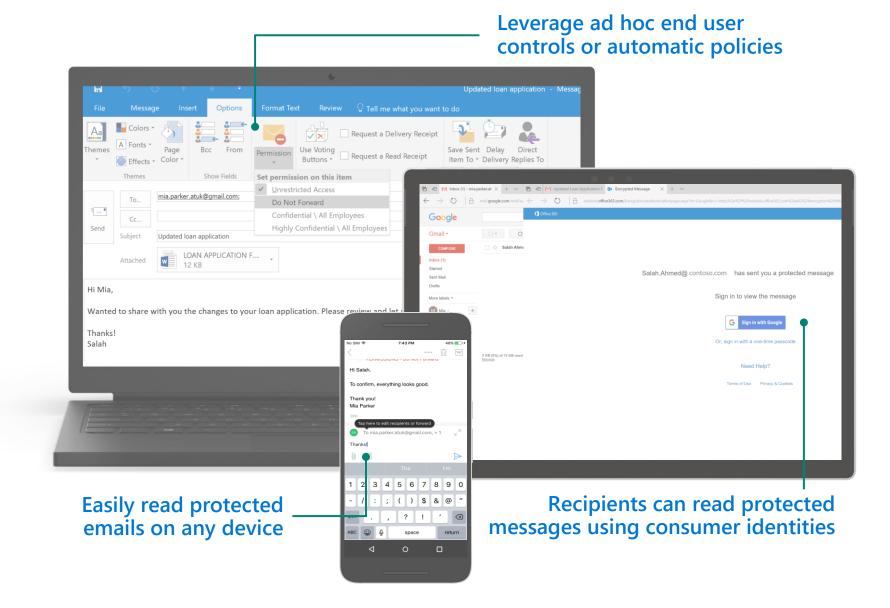
Admin and end user controls
Leverage automatic policies or ad hoc end user controls, for emails shared inside or outside the organization

Seamless recipient experience
Office 365 users can view directly in Outlook, SSO for Google and Yahoo identities

Compliance
Meet compliance obligations that require encrypting data or encryption key control
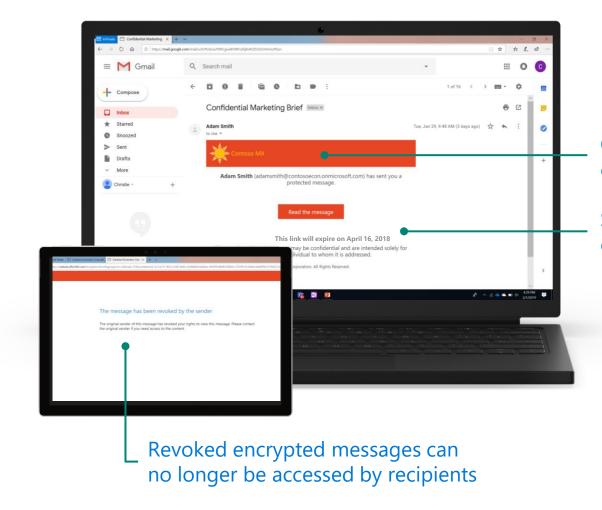
Leverage ad hoc end user controls or automatic policies

Easily read protected emails on any device

Recipients can read protected messages using consumer identities

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Office 365 advanced message encryption

Customize multiple email templates for both Office 365 and Non-Office 365 users.

Expire* encrypted emails to control the duration of time that recipients can access sensitive content.

Revoke* encrypted emails from recipients who are no longer authorized to view sensitive content.

Review encryption actions which are **logged and auditable**

*Admin controlled revocation and expiration

Customize logo, color and text

Specify message expiration date

Revoked encrypted messages can no longer be accessed by recipients

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