

FROM CHAOS TO COMPLIANCE – HIPAA EDITION

THE MODERN TOOLKIT FOR SIMPLIFYING M365 COMPLIANCE HEADACHES



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OUR AGENDA

- ▶ Introductions
- ▶ The burden of compliance on IT teams
- ▶ Considerations and tools for compliance in M365
- ▶ How third-party solutions can help
- ▶ Wrap-Up and Q & A



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YOUR PRESENTER TODAY

Andy Syrewicze has been in the IT Industry for more than 20 years, is a Microsoft MVP, and is currently a Security Evangelist for Hornetsecurity.

Andy Syrewicze
Technical Evangelist
Microsoft MVP
Mastadon - @andysandwich@infosec.exchange



YOUR PRESENTER TODAY

Eric Siron has worked with small, medium, and large enterprises since 1998. He respects the challenges faced by administrators in smaller organizations.

Eric Siron

Senior Systems Administrator

Microsoft Most Valuable Professional (MVP)

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GLOBAL EXPERT IN EMAIL CLOUD SECURITY, COMPLIANCE AND BACKUP



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OUR MISSION

"We empower companies and organizations of all sizes to focus on their core business by protecting email communications, securing data, and ensuring business continuity and compliance with next-generation cloud-based solutions."



OUR VISION

"Hornetsecurity will be the guardian of companies worldwide that use Microsoft 365. We protect their data and ensure business continuity. For a safer 365 world!"



OUR VALUE PROPOSITION

"We offer the most comprehensive cloud security solution for Microsoft 365 on the market, including email security, compliance and backup."

HORNETSECURITY WORLDWIDE



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HOW IT ALL STARTED – OUR STORY



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Ready for
Take Off

2007



Beginning of
internationalization



Presence in more than **10 countries** with over **200 sales partners**

2008



Over **25,000 companies** as customers

2010



Market leader in Germany; Awarded with Deloitte Technology **Fast 50 Award**

2014



antispameurope becomes **Hornetsecurity**

2015



Over **550 resellers worldwide**

2016



10 years of Hornetsecurity; **Foundation of US subsidiary**

2017



Acquisition of AVIRA Spamfilter division; **Market leader in German-speaking region**

2018



Partnership with Swisscom; **Acquisition of Spamina**

2019



Acquisition of EveryCloud

2020



Acquisition of **ALTARO;** Acquisition of **ZEROSPAM**

2021



Acquisition of IT-Seal

2022

THE BURDEN OF COMPLIANCE



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A DISCLAIMER

Compliance is a legal and regulatory issue, and as such, you should verify any-and-all information contained in this webinar with your compliance officer and/or legal counsel prior to implementation within your own organization,

Hornetsecurity (nor the speakers) offers no guarantee of compliance through the act of following advice or recommendations from this webinar.



THE BURDEN OF COMPLIANCE REGULATIONS ON IT TEAMS



- ▶ High Stakes
- ▶ Constantly Evolving
- ▶ Multiple Regulatory Bodies
- ▶ Huge Time Drain
- ▶ Many Challenges



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AN EXAMPLE - EMAIL COMPLIANCE REQUIREMENTS



HIPAA: US Law "Health Insurance Portability and Accountability Act"

- ▶ Protection of PII (personally identifiable information) maintained by healthcare and healthcare insurance industries
- ▶ PII needs to be protected from fraud and theft



CAN-SPAM: US standard for commercial emails

- ▶ Email requirements to protect recipients
- ▶ No misleading header information, no deceptive subject lines
- ▶ Valid physical addresses need to be included



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EMAIL COMPLIANCE REQUIREMENTS CONTINUED

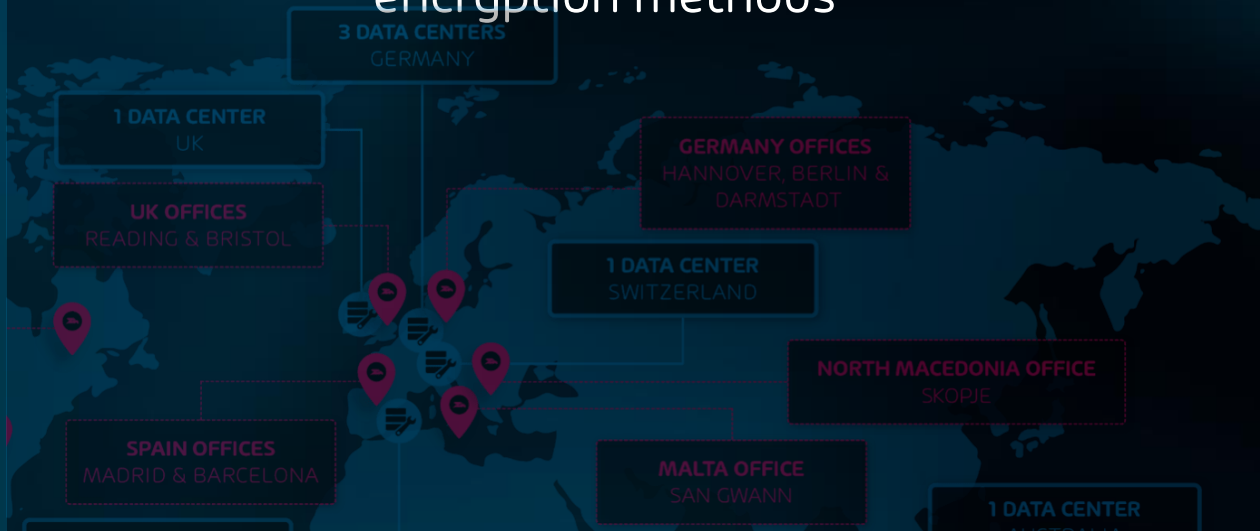


GDPR: European Union's Information Security Framework

- ▶ Email marketing: Opt-in consent from data owner before sending them marketing activities
- ▶ If requested, the data of its owner needs to be deleted from a company's system
- ▶ Maintaining high level IT-security
- ▶ Confidentiality safeguards across communications for example via encryption methods



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YET MORE EMAIL COMPLIANCE REQUIREMENTS



GoBD: Principles for proper keeping and storage of books, records and documents in electronic form and for data access (applies for Germany)

- Emails must be archived unchanged and be retrievable at short notice
- Emails must be able to be displayed and printed exactly as they were received
- It must be possible to restore the original email by means of documentation in the event of changes in the organization and structure of the archive

10 YEARS

- INVOICES & ACCOUNTING VOUCHERS
- INVENTORIES
- BALANCE SHEETS & FINANCIAL STATEMENTS
- ORGANISATIONAL DOCUMENTS

6 YEARS

- BUSINESS & COMMERCIAL CORRESPONDENCE

4 YEARS ≤

- ALL OTHER DOCUMENTS



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THE GOAL - PROTECT PATIENT DATA

High Risk



Reduced Risk



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THE GOAL - REDUCE INTERNAL RISK

Persistent Risk



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CONSIDERATIONS AND TOOLS FOR COMPLIANCE IN M365



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PREPARING FOR A COMPLIANCE REGULATION AUDIT

- 👉 It's not about the tech – this is a people and process challenge
- 👉 Don't think the IT department can do this alone – the whole business needs to be involved
- 👉 Knowing which controls you need to implement is step one
- 👉 Step two is implementing each control
- 👉 Documenting the evidence is step three - most important for a successful audit
- 👉 Step 4 – maintaining over time – possibly the hardest to do?
- 👉 The "good news" - being compliant with one regulation gives you a huge head start on others
- 👉 Talk to others who've been through an audit for the regulation, if possible

MICROSOFT PURVIEW COMPLIANCE MANAGER

Compliance.microsoft.com

24 Languages

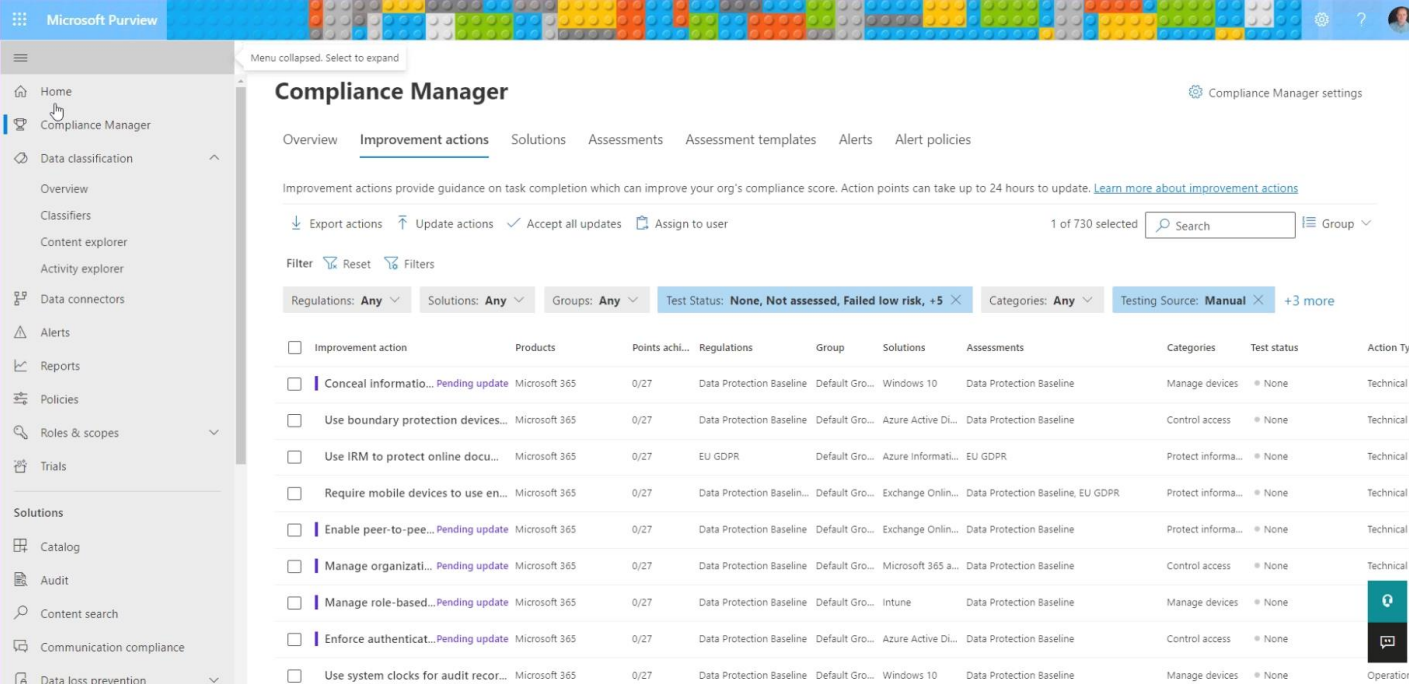
Data Protection Baseline included in all licensing levels

M365 E5 (all flavors) give you 3 premium templates

725 Premium templates, covering 360+ different regulations, buy what you need

Integrates with Defender for Cloud = multi cloud (M365, Azure, GCP, AWS)

Microsoft Service Trust Portal (for the lawyers in your life), aka.ms/STP



The screenshot displays the Microsoft Purview Compliance Manager interface. The left sidebar contains a navigation menu with options like Home, Compliance Manager, Data classification, Alerts, Reports, Policies, Roles & scopes, Trials, Solutions, Catalog, Audit, Content search, Communication compliance, and Data loss prevention. The main content area is titled 'Compliance Manager' and shows a list of 'Improvement actions'. The table below is a summary of these actions.

Improvement action	Products	Points achieved	Regulations	Group	Solutions	Assessments	Categories	Test status	Action Type
<input type="checkbox"/> Conceal informatio... Pending update	Microsoft 365	0/27	Data Protection Baseline	Default Gro...	Windows 10	Data Protection Baseline	Manage devices	None	Technical
<input type="checkbox"/> Use boundary protection devices...	Microsoft 365	0/27	Data Protection Baseline	Default Gro...	Azure Active Di...	Data Protection Baseline	Control access	None	Technical
<input type="checkbox"/> Use IRM to protect online docu...	Microsoft 365	0/27	EU GDPR	Default Gro...	Azure Informati...	EU GDPR	Protect informa...	None	Technical
<input type="checkbox"/> Require mobile devices to use en...	Microsoft 365	0/27	Data Protection Baseline...	Default Gro...	Exchange Onlin...	Data Protection Baseline, EU GDPR	Protect informa...	None	Technical
<input type="checkbox"/> Enable peer-to-pee... Pending update	Microsoft 365	0/27	Data Protection Baseline	Default Gro...	Exchange Onlin...	Data Protection Baseline	Protect informa...	None	Technical
<input type="checkbox"/> Manage organizati... Pending update	Microsoft 365	0/27	Data Protection Baseline	Default Gro...	Microsoft 365 a...	Data Protection Baseline	Control access	None	Technical
<input type="checkbox"/> Manage role-based... Pending update	Microsoft 365	0/27	Data Protection Baseline	Default Gro...	Intune	Data Protection Baseline	Manage devices	None	Technical
<input type="checkbox"/> Enforce authentica... Pending update	Microsoft 365	0/27	Data Protection Baseline	Default Gro...	Azure Active Di...	Data Protection Baseline	Control access	None	Technical
<input type="checkbox"/> Use system clocks for audit recor...	Microsoft 365	0/27	Data Protection Baseline	Default Gro...	Windows 10	Data Protection Baseline	Manage devices	None	Operational

OTHER M365 COMPLIANCE FEATURES OF NOTE

Data Loss
Prevention

Email
Encryption

Litigation
Hold

Microsoft
Defender

Sub-features
of Azure AD

LICENSING SECURITY FEATURES IN M365



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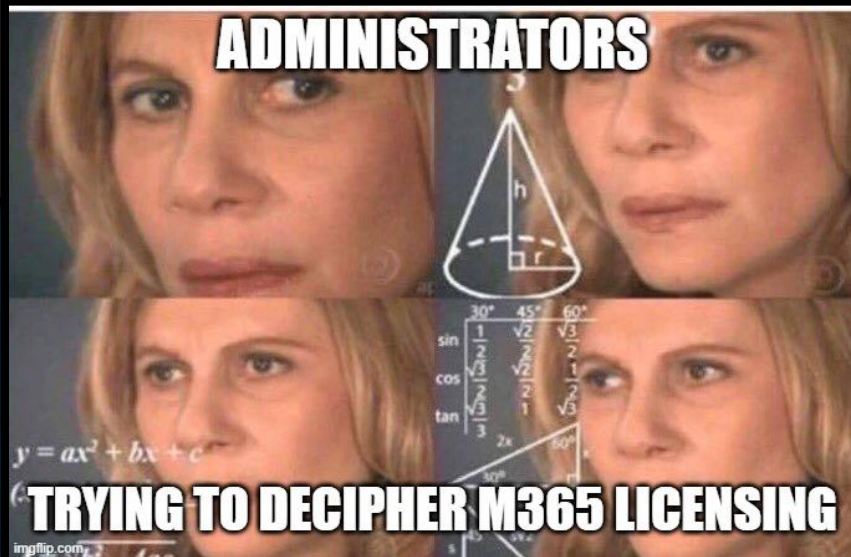
Licensing requirements

Any of these licenses gives you access to Microsoft 365 Defender features in Microsoft 365 security center without additional cost:

- Microsoft 365 E5 or A5
- Microsoft 365 E5 Security or A5 Security
- Windows 10 Enterprise E5 or A5
- Enterprise Mobility + Security (EMS) E5 or A5
- Office 365 E5 or A5

You can add Defender for Office 365 to the following Exchange and Microsoft 365 subscription plans:

- Exchange Online Plan 1
- Exchange Online Plan 2
- Exchange Online Kiosk



Microsoft 365 E3

Get best-in-class productivity apps combined with core security and compliance capabilities for your enterprise.

\$32.00 user/month
(annual commitment)

[Contact sales](#)

[Learn more >](#)

Microsoft 365 E5

Get best-in-class productivity apps and advanced security, compliance, voice and analytical capabilities for your enterprise.

\$57.00 user/month
(annual commitment)

[Contact sales](#)

[Learn more >](#)

OUCH!

Microsoft 365 F3

Formerly Microsoft 365 F1 Empower your frontline workforce with productivity apps and cloud services that allow them to do their best work.

\$8.00 user/month
(annual commitment)

[Contact sales](#)

[Learn more >](#)

[See all frontline plans >](#)

WHY IS A THIRD-PARTY OPTION BETTER?



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- Not in a situation where the factory owner is also the compliance inspector
- Not limited on what you can protect based on M365 License Level
- Less Complex Licensing
- Great for Multi-Tenant Situations
 - Multi-tenant management in M365 is less than Ideal
- Provides a separation from M365 for Critical Security Needs
- Higher Quality of Support than you would get from Microsoft



HOW THIRD-PARTY SOLUTIONS CAN HELP



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HOW 3rd PARTY SOLUTIONS HELP

- ▶ Easier to use
- ▶ More Cost-Effective
- ▶ Better Support
- ▶ Can plug in to address specific compliance needs



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EMAIL ENCRYPTION

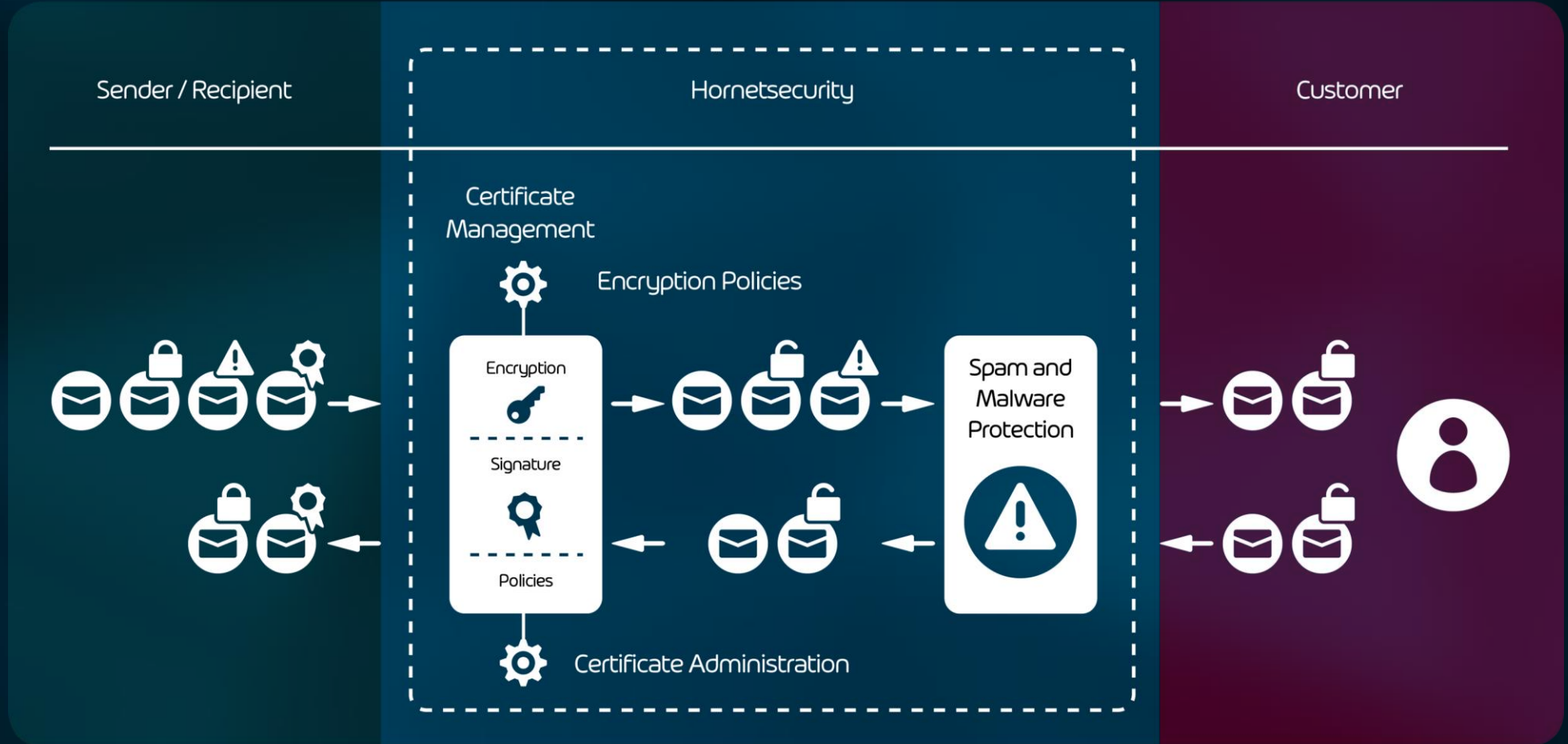


- ◉ Protects corporate email traffic from unauthorized third-party access
 - ◉ Support for all common encryption technologies
 - ◉ Test option for encryption suitability
 - ◉ Automatic certificate management and key storage
 - ◉ Individual setup and definition of encryption policies
 - ◉ Confidential communication via Websafe if the recipient cannot receive encrypted email



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EMAIL ENCRYPTION



SIGNATURE & DISCLAIMER

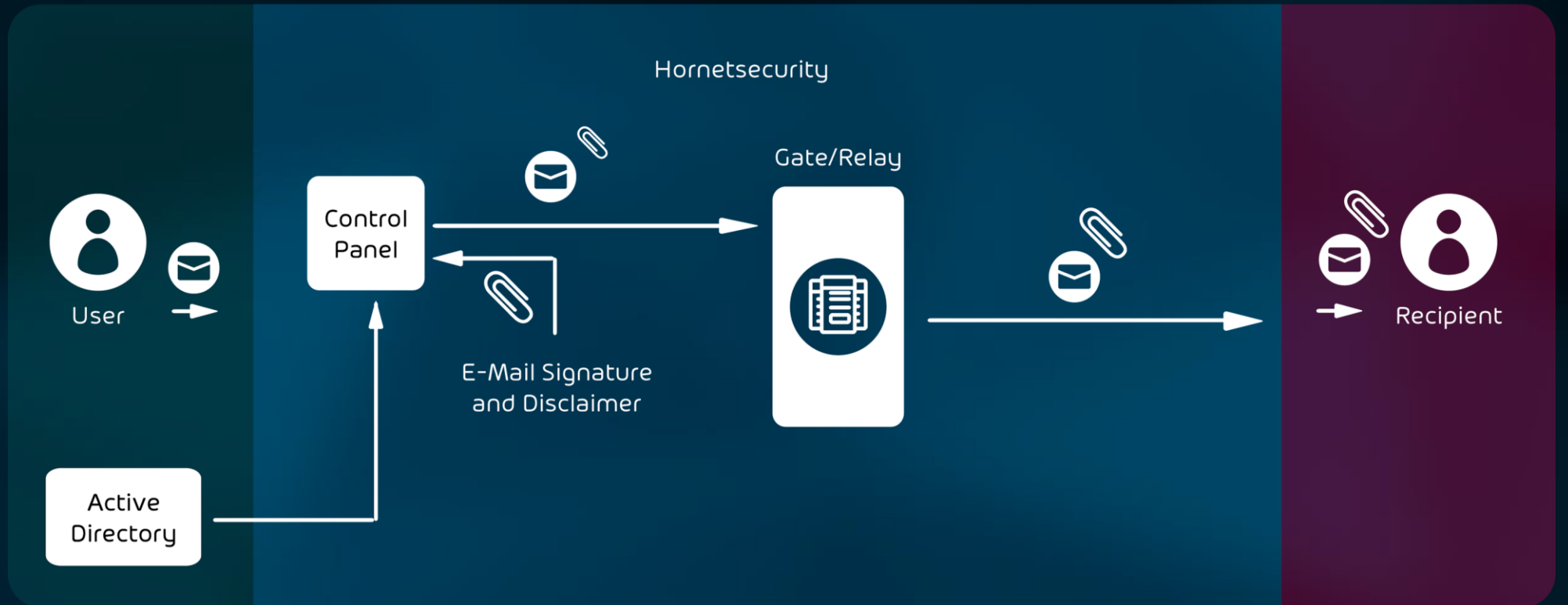


- ◉ Uniform and legally compliant email signatures and disclaimers can be set up quickly and easily for the entire company
 - ◉ Easy and flexible design via the WYSIWYG editor
 - ◉ HTML source code import of existing signatures
 - ◉ Mobile-optimized display
 - ◉ Active Directory integration allows to create custom signatures and disclaimers for each user



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SIGNATURE & DISCLAIMER



ADVANCED THREAT PROTECTION



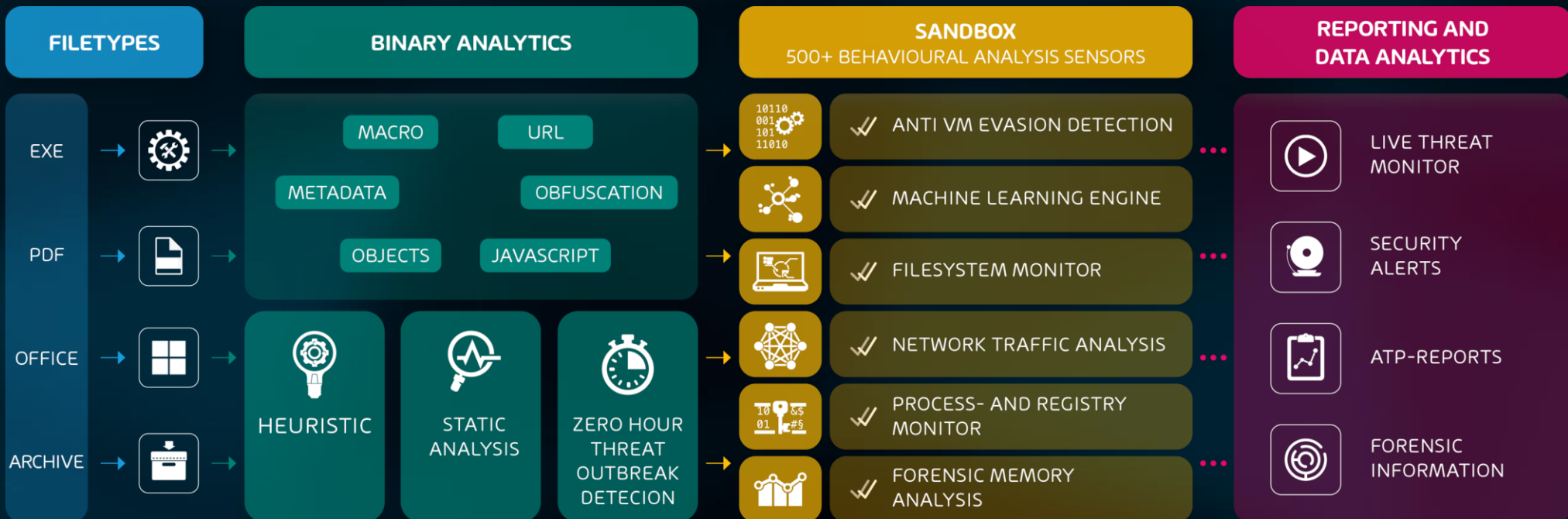
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ADVANCED
THREAT
PROTECTION

- ▶ Protects companies against targeted and individual attacks
 - ▶ AI-based Targeted Fraud Forensics:
 - ▶ Malicious Document Decryption
 - ▶ Comprehensive threat analysis through a sandbox engine
 - ▶ Real Time Alerts

ADVANCED THREAT PROTECTION



365 TOTAL BACKUP

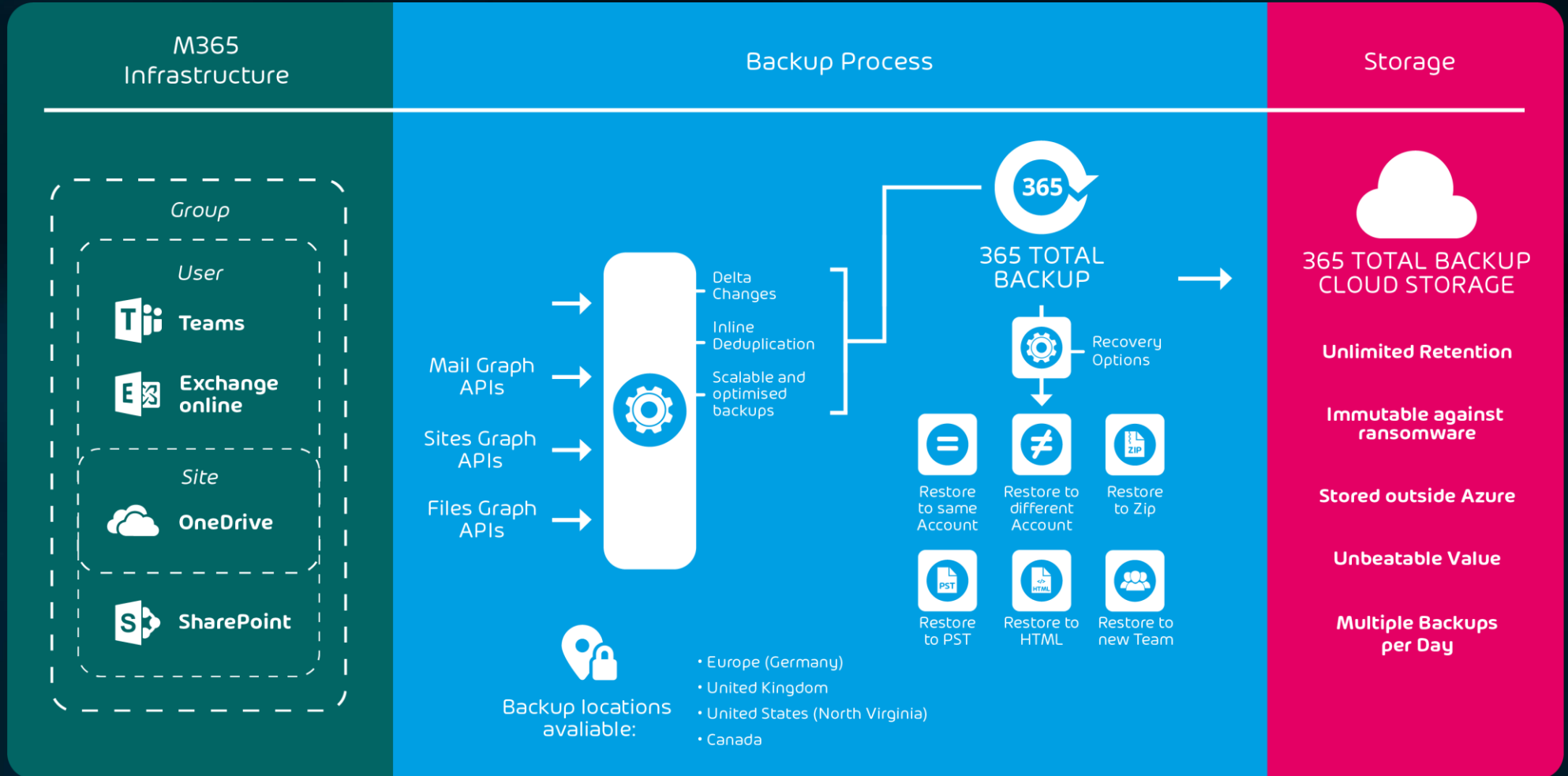


- All-in-one backup and recovery solution for M365
 - Backup & recovery of
 - M365 mailboxes
 - Teams chats
 - SharePoint document libraries
 - Windows-based endpoints



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365 TOTAL BACKUP



365 TOTAL BACKUP - NEW

New custom retention periods (release date: May 10th): making it the best backup and recovery solution for maximum compliance.

Automatic Deletion
of Old Versions
Based on Retention

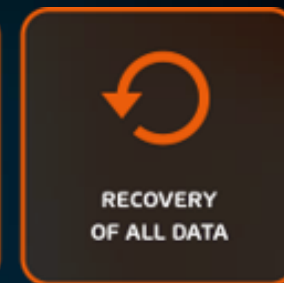
Automatic Deletion
of Backups for
Deleted
Users/Groups



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VM BACKUP – PRODUCT OVERVIEW

- ▶ Powerful, reliable, and easy-to-use backup and replication solution for virtual machines (VMs)
- ▶ **NEW: Ransomware protection leveraging immutable cloud storage**
 - ▶ Augmented Inline Deduplication
 - ▶ Major storage space savings
 - ▶ WAN Optimized Replication
 - ▶ Centralized backup management via user-friendly web interface
 - ▶ New Feature – Immutability!!!



Back up and restore your company data with ease:
at any time, with speed and massive storage savings.



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365 PERMISSION MANAGER - PRODUCT OVERVIEW

ELEVATE YOUR COMPLIANCE FOR MICROSOFT 365



UNDERSTAND WHAT IS
SHARED AND HOW

CONFIGURE & MONITOR
SHARING POLICES

IDENTIFY VIOLATIONS &
DELEGATE AUDITS



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CHALLENGES IN MICROSOFT 365



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Management of M365 Infrastructure

- Rapid growth of SharePoint, Teams, OneDrive and M365 Groups
- Jumping back and forth from one M365 portal to the next
- Complicated Permissions structure



Data Access

- Risky Default configurations
- No easy way to identify external sharing exposure
- Lack of Access Overview, only File by File
- Limited bulk permissions management options



Governance

- Complicated monitoring tools
- Lack of Reporting
- All or Nothing approach to restrictions
- Orphaned permissions & resources left behind

WHY DO YOU NEED 365 PERMISSION MANAGER?

- ▶ Access only ever increases and never gets reduced!
 - ▶ No user goes into Teams and says, *"We no longer work with this freelancer, let's remove his access!"*



- ▶ Audits are never done by the people who understand the data and access granted to it!
 - ▶ No CISO knows which external user needs access to what, and with hundreds of shares happening every day, *traditional audits become outdated within a matter of hours!*



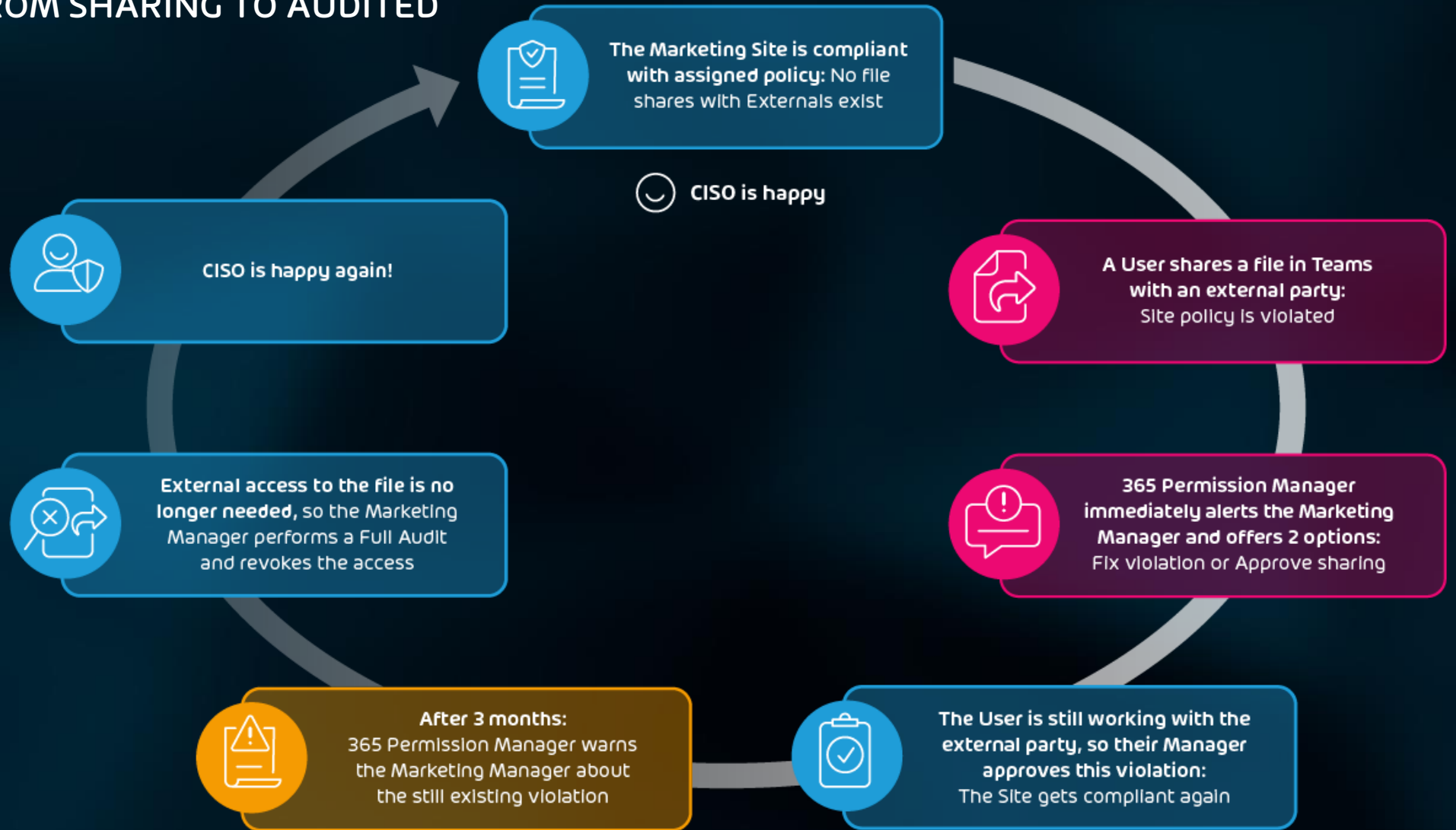
- ▶ M365 has an All or Nothing approach to controlling sharing with no wiggle room for the Real World
 - ▶ With Admins forced to leave control up to the users to do what's best, it's only a *matter of time until critical data gets leaked!*



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365 PERMISSION MANAGER - AUDIT LIFECYCLE

FROM SHARING TO AUDITED



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LIVE DEMO – PERMISSION MANAGER



WRAP-UP AND Q & A



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1 365 TOTAL PROTECTION BUSINESS (PLAN 1)

2 365 TOTAL PROTECTION ENTERPRISE (PLAN 2)

3 365 TOTAL PROTECTION ENTERPRISE BACKUP (PLAN 3)

4 365 TOTAL PROTECTION COMPLIANCE & AWARENESS (PLAN 4)

NEXT-LEVEL MICROSOFT 365 SECURITY

PREMIUM NEXT-LEVEL MICROSOFT 365 SECURITY

SECURITY & BACKUP FOR MICROSOFT 365

SECURITY, BACKUP, COMPLIANCE & SECURITY AWARENESS FOR MICROSOFT 365

SPAM & MALWARE PROTECTION

EMAIL ENCRYPTION

EMAIL SIGNATURES & DISCLAIMERS

SPAM & MALWARE PROTECTION

EMAIL ENCRYPTION

EMAIL SIGNATURES & DISCLAIMERS

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EMAIL ENCRYPTION

EMAIL SIGNATURES & DISCLAIMERS

SPAM & MALWARE PROTECTION

EMAIL ENCRYPTION

EMAIL SIGNATURES & DISCLAIMERS

ADVANCED THREAT PROTECTION

EMAIL ARCHIVING

EMAIL CONTINUITY

ADVANCED THREAT PROTECTION

EMAIL ARCHIVING

EMAIL CONTINUITY

ADVANCED THREAT PROTECTION

EMAIL ARCHIVING

EMAIL CONTINUITY

BACKUP & RECOVERY OF MAILBOXES & TEAMS

BACKUP & RECOVERY OF ONEDRIVE & SHAREPOINT

BACKUP & RECOVERY OF ENDPOINTS

BACKUP & RECOVERY OF MAILBOXES & TEAMS

BACKUP & RECOVERY OF ONEDRIVE & SHAREPOINT

BACKUP & RECOVERY OF ENDPOINTS

PERMISSION MANAGER

PERMISSION ALERTS

PERMISSION AUDIT

SPEAR PHISHING SIMULATION

CONTINUOUS AWARENESS TRAINING

ESI[®] BENCHMARKING



COMING SOON

CYBER SECURITY REPORT

- ◉ Available now
- ◉ Available in Multiple Languages!



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- ◉ <https://www.hornetsecurity.com/en/esi-benchmark-report/>

CYBER SECURITY REPORT

- ▶ Available now
- ▶ Available in Multiple Languages!



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- ▶ <https://www.hornetsecurity.com/en/cyber-security-report>



How Would You Like Us to Follow Up?



Sign me up for your newsletters!



I'd Like a Free Trial of 365 Total Protection!



Schedule an individual appointment with one of our experts

*Type your selection in the Q & A Box!



ASK A QUESTION!

Do you have questions or input of your own?





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