Ride the Wave of Security Innovation

Office 365 Security Enhancements
Your Informants

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What you will learn today

Office 365 Security Enhancements

(If you thought it was for something else – now is your chance to exit!)
What you will NOT learn today
This is why we won’t cover slime
Seriously...The Overview

• Advanced Threat Protection
• Backup for O365 (Business Continuity)
• Multi-Factor Authentication (MFA)
• Secure Score
• SPF, DKIM & DMARC

• Cloud App Security
• Data Leak Protection (DLP)
• GDPR Toolbox
• Rights Management
• Secure Mail Flow (OME)
• Identity Management (AD)
What are we trying to accomplish here?

C.I.A. Triad
(NOT THE SNOOPING AGENCY)

- **Confidentiality**: Keep data from prying eyes
- **Integrity**: Make sure data isn’t altered
- **Availability**: Make sure data is available
### Donation
*Office 365 Nonprofit E1*

Best for large nonprofits that need email, cloud file-storage and sharing, web conferencing with IM, audio, and HD video, a corporate social network, work-management tools, compliance solutions, and other services. Office applications not included.

### $4.50 user/month
*Office 365 Nonprofit E3*

Best for large nonprofits that need email, Office desktop applications, cloud file-storage and sharing, web conferencing with IM, audio, and HD video, meeting broadcasts over the Internet to up to 10,000 people, a corporate social network, work-management tools, compliance solutions, data protection with DLP, and other services.

### $15.00 user/month
*Office 365 Nonprofit E5*

Best for large nonprofits that need email, Office desktop applications, cloud file-storage and sharing, web conferencing with IM, audio, HD video, and meeting broadcasts over the Internet to up to 10,000 people, a corporate social network, work-management tools, compliance solutions, data protection with DLP, advanced eDiscovery tools, analytics, advanced security, and other services.

[Office 365 Nonprofit Plans](#)
Phishing Protection Anyone?

Can't fall for phishing scams
If you don't check your email
Advanced Threat Protection (ATP)

- Safe Attachments feature
- Malicious links protection
- Reporting Capabilities
Advanced Threat Protection (ATP)
Safe Attachments

- Monitor
- Block
- Replace
- Dynamic Delivery
Advanced Threat Protection (ATP)  
Malicious Links

- Malicious URLs - Rewrite URLs
- Safe Attachments - Scan content
- Do not track - Users click safe links
- Do not let users click - safe links to original URL
- Add URLs to not rewrite
Advanced Threat Protection (ATP) Reporting Features
Advanced Threat Protection (ATP) Reporting Features

[Image of a chart showing email reporting features]

- **Sender Domain**: Displayed with color-coded bars indicating the number of reports.
- **Email Details**: Shows dates, subjects, recipients, senders, sender IP addresses, and status of emails.
  - **Delivered to junk**
  - **Delivered to user**
In case of Disaster....
Backup O365
(Business Continuity)

Why backup O365?
● Data Deletion
● Ransomware, Hackers, Malware
● Sync Errors
Backup O365
(Business Continuity)
3rd Party Backup Options Too Expensive?

There is another alternative that’s cheaper...Script your recovery using Powershell!!!.....
See this guy for details**

**No guarantees implied or delivered
Cloud App Security

• Microsoft CASB (Cloud Access Security Broker)
  • Adallom acquisition
  • Real time control and monitoring of O365 usage
  • Risk assessment for using O365 features and ancillary SaaS apps
  • Policy enforcement
  • DLP (Data Leak Protection)-covered next

3rd Party Alternatives:

- netskope
- Skyhigh
- McAfee
Data Leak Protection

• Microsoft CASB (part of Cloud Access Security Broker)

BUT ......

• Not a comprehensive DLP solution
• Recommend additional controls to mitigate risk

3rd Party Alternatives:

- netskope
- Cyberhaven
GDPR Toolbox

Can be used in conjunction with Classifications tab in O365 Security and Compliance to proactively label regulated personal data.
Multi-Factor Authentication
Multi-Factor Authentication

3rd Party Alternatives:
Rights Management

- Azure Information Protection for O365 (AIP)
- O365 Message Encryption
- Provide simple communication rights management across Exchange Online, Sharepoint Online, and Office documents
- Somewhat restricted to Office-centric documents, little or no protection for other document types (i.e. PDFs, etc.)

3rd Party Alternatives:

[Logos for Cyberhaven and Vera]
"I know a lot of highly-confidential company secrets, so my boss made me get a firewall installed."
Got encrypted communications?

PRIVATE MEETING / DRYER VENT ENCRYPTION

PROOF OF CONCEPT
Secure Mail Flow/O365 OME (Office Message Encryption)

- Located in O365 Security and Compliance section
- Get insight into what is or is not secured (via TLS)
- Some Rights Capabilities

Enhancing Solutions:

- Perceptio Point
- Proofpoint
- Mimecast
- VERA
Identity Management: WhoRU?

ON THE INTERNET

nobody knows you're a dog
Azure AD (Active Directory)
Identity Management - 3rd Party Alternatives

- Okta
- OneLogin
- Centrify
SPF, DKIM and DMARC

- **SPF** - Sender Policy Framework
- **DKIM** - Domain Keys Identified Mail
- **DMARC** - Domain-based Message Authentication Reporting
Resources

- Azure Rights Management
- ATP Safe Attachments
- ATP Safe Links
- ATP Anti-phishing
- Cloud App Security
- GDPR

- Multi-factor Deployment Guide
- Office 365 Nonprofit Plans
- Office 365 Message Encryption
- Office 365 Setup Encryption
- Secure Score
- TLS and Office 365
Questions?

ONE DOES NOT SIMPLY GIVE A PRESENTATION WITHOUT Q&A
Give us a 10, or else we’ll send this guy to give you some “compassionate coaching”