WEBINAR

Cyber Insurance

How to Meet the Ever-Increasing Requirements of Cybersecurity Insurance



Presenters:



Mike Wilson
Interlink Cloud Advisors
CTO / Vice President



Jimmy Smogor Interlink Cloud Advisors Security Practice Lead



Agenda Cyber Insurance



Gold Enterprise Mobility Management
Gold Datacenter
Gold Collaboration and Content
Gold Messaging
Gold Communications
Gold Windows and Devices
Gold Project and Portfolio Management

- Welcome/Interlink Overview
- Overview of Cybersecurity Insurance
- Protecting User Identities
- Endpoint Management
- Threat Protection and Response
- Vulnerability Management
- Backup & Disaster Recovery Techniques
- Licensing Options/Assessments



· Q&A





THE INTERLINK ADVANTAGE



SIMPLIFY

We simplify your organization's interaction with Microsoft

- ✓ Advocate with Microsoft: We know how to navigate their programs, licensing, incentives, and teams on your behalf
- ✓ Consistently in the top 10 of partners worldwide in the usage of Microsoft funding to assist with your pilots, workshops, and deployments
- ✓ Licensing: multiple certified licensing experts who understand the complex maze of product and program licensing can help you find the best licensing options
- ✓ Thought leaders: we summarize pertinent industry information to keep our clients educated and informed through our blog, webinars, and regular speaking engagements



EXPERIENCED

We ensure the success of your project

- ✓ Documented, tested, and proven methodologies used in over 5000 implementations
- √Comprehensive assessments which identify challenges in advance, before they impact the project
- ✓Interlink can accelerate all escalations straight to Microsoft Level III minimizing support frustration
- ✓ Responsive live answer Service Desk runs 24x7x365 with one-hour service level agreements



REMOVE RISK

We build security and compliance into every project

- ✓ Architect to satisfy compliance requirements such as CMMC, GDPR, HIPAA, and NIST
- ✓ Processes built to help identify and mitigate security risks
- ✓ We continue to revisit and renew as new compliance and regulations surface
- ✓ We help you understand where risks and vulnerabilities exist and create longterm plans



CREATE BUSINESS VALUE

We drive business value from your technology investments

- ✓ Midmarket focused: we combine the resource availability with the expertise levels that you need to ensure the right fit
- ✓ Build personalized deployment roadmaps to drive long term success
- ✓ Support of our clients budgeting, planning, and C-Suite justification processes, including jointly building ROI and cost justification models
- ✓ Recognized by Microsoft as the top partner for helping our clients adopt their cloud technologies



MICROSOFT EXPERTISE

We have extensive expertise in Microsoft technologies

- ✓ 11 Microsoft Gold Competencies and 9 Advanced Specializations covering Microsoft 365 and Azure
- ✓ All consultants hold certifications from Microsoft
- ✓Interlink employees badged by Microsoft in recognition of our expertise
- ✓ Deployed more seats of Office 365 in geography in the first three years than any other partner
- ✓ Frequently recognized and awarded by Microsoft including partner of the year
- ✓ Nationally managed by Microsoft: gains us access to a wide array of resources for clients

Mike Wilson

Interlink Cloud Advisors – CTO / Vice President

- Overview of Cybersecurity
 Insurance
- Types of Coverage Available







· Interlink can help with how to meet coverage requirements.



Cybersecurity Insurance Coverage:

- · Interlink can help with how to meet coverage requirements.
- Disclaimer: Interlink does not sell insurance and we are not making specific recommendations for you or your business



Why Cyber Insurance?

· Breaches are expensive



Why Cyber Insurance?

- · Breaches are expensive
- May be required by contract or regulation



Two Primary Scenarios:

Business Disruption



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 - · Ransomware, Virus Activity, etc.



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- · Data Breach



Two Primary Scenarios:

- · Business Disruption
 - · Ransomware, Virus Activity, etc.
- · Data Breach
 - · Worse for regulated industries (FINRA, HIPAA, FedRAMP, etc.)

Cybersecurity Insurance Coverage:

What is covered?:

Forensic investigation and response



Cybersecurity Insurance Coverage:

- · Forensic investigation and response
- · Legal expenses



Cybersecurity Insurance Coverage:

- · Forensic investigation and response
- · Legal expenses
- Notifications



Cybersecurity Insurance Coverage:

- · Forensic investigation and response
- · Legal expenses
- Notifications
- · Regulatory defense expenses/fines



Cybersecurity Insurance Coverage:

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- Cyber extortion (ransom)



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- Business interruption



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Cloud



- · Forensic investigation and response
- · Legal expenses
- Notifications
- · Regulatory defense expenses/fines
- Cyber extortion (ransom)
- · Business interruption
- · Payment fraud



Cybersecurity Insurance Coverage:

Old Model:

· Fill out a survey, get a price



Cybersecurity Insurance Coverage:

Old Model:

· Fill out a survey, get a price

New Model:

 Prescriptive requirements or discounts for enhanced security



Jimmy Smogor

Interlink Cloud Advisors - Security Practice Lead

- Implementing Strong Identity Protections
- Endpoint Management
- Threat Protection and Response





Example of Cyber Insurance Policy:

MULTI FACTOR AUTHENTICATION ATTESTATION

 Multi-Factor authentication is required for all employees when accessing e-mail through a website or cloud based service. ☐ Yes ☐ No

☐ Email is not web based





Example of Cyber Insurance Policy:

MULTI FACTOR AUTHENTICATION ATTESTATION

- Multi-Factor authentication is required for all employees when accessing e-mail through a website or cloud based service.
- Multi-factor authentication is required for all remote access to the network provided to employees, contractors, and 3rd party service providers.

- ☐ Yes ☐ No
- ☐ Email is not web based
- ☐ Yes ☐ No



Example of Cyber Insurance Policy:

MULTI FACTOR AUTHENTICATION ATTESTATION			
1.	Multi-Factor authentication is required for all employees when accessing e-mail through a website or cloud based service.	☐ Yes ☐ Email	□ No is not web based
2.	Multi-factor authentication is required for all remote access to the network provided to employees, contractors, and 3 rd party service providers.	☐ Yes	□No
3.	In addition to remote access, multi-factor authentication is required for the following, including such access provided to 3 rd party service providers: All internal & remote admin access to directory services (active directory, LDAP, etc.). All internal & remote admin access to network backup environments. All internal & remote admin access to network infrastructure (firewalls, routers, switches, etc.).	☐ Yes ☐ Yes ☐ Yes	□ No □ No □ No
	All internal & remote admin access to the organization's endpoints/servers.	☐ Yes	□ No



Use Conditional Access policies to apply the right access controls



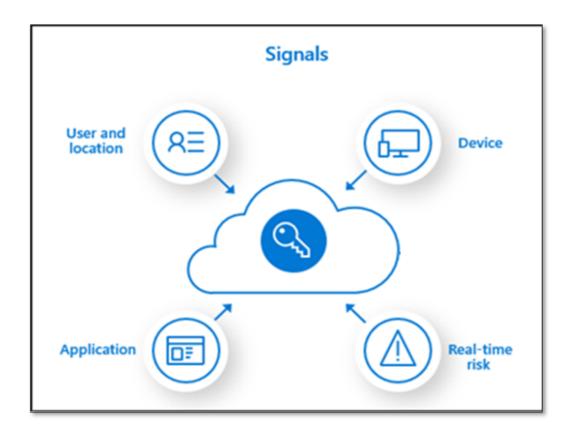


- Use Conditional Access policies to apply the right access controls
- Keep your organization secure and stay out of your user's way when not needed





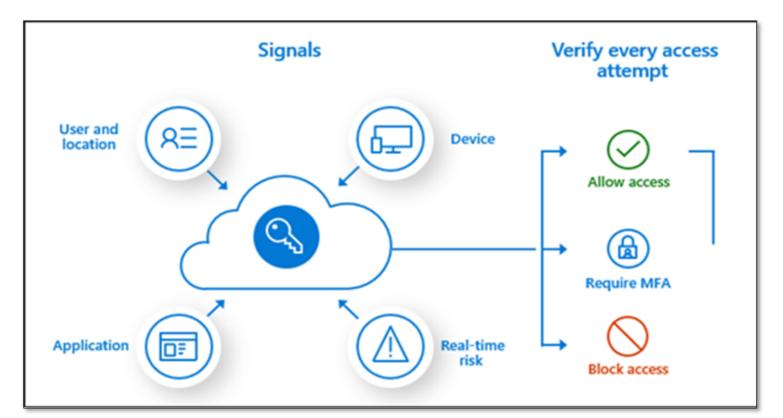
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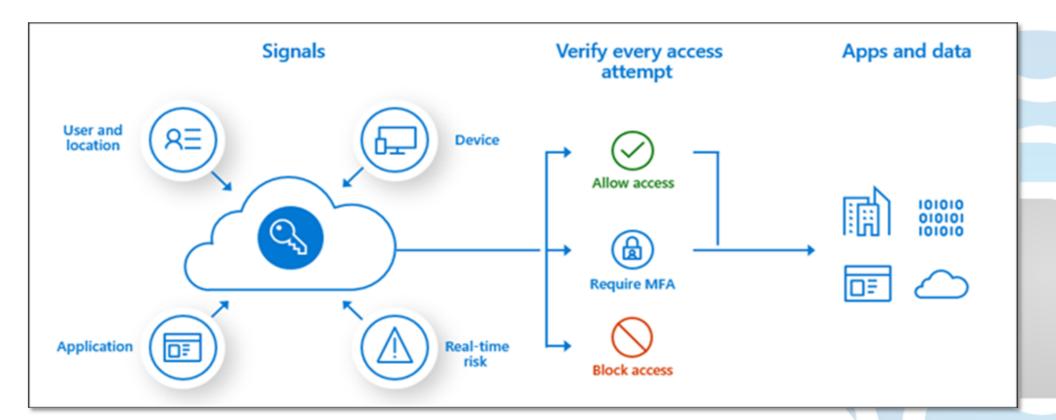
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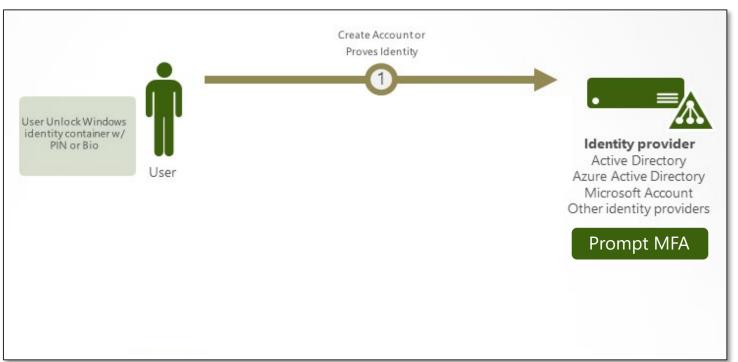


MFA for only Cloud Applications?



Requirement: MFA at the User Endpoint

- Windows Hello
- Protected & enforced by Azure MFA
- A Hello certificate can only be created after a successful sign in from Azure MFA
- With the correct trusts in place Windows Hello can be a verified authentication method to companies on-premise Active Directory environments
- Single token created per user per device

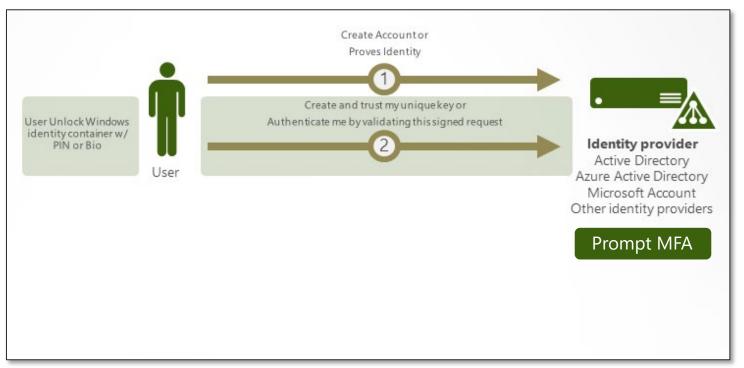






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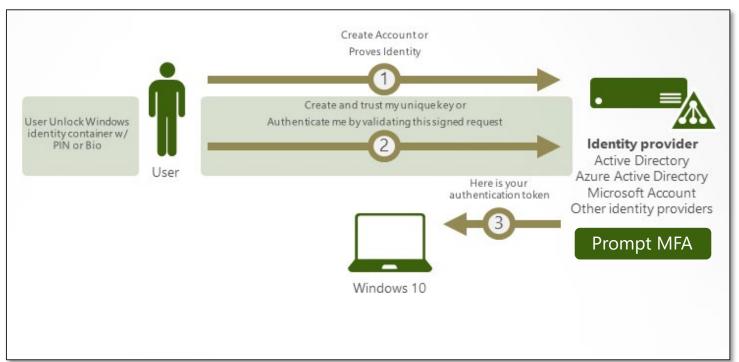






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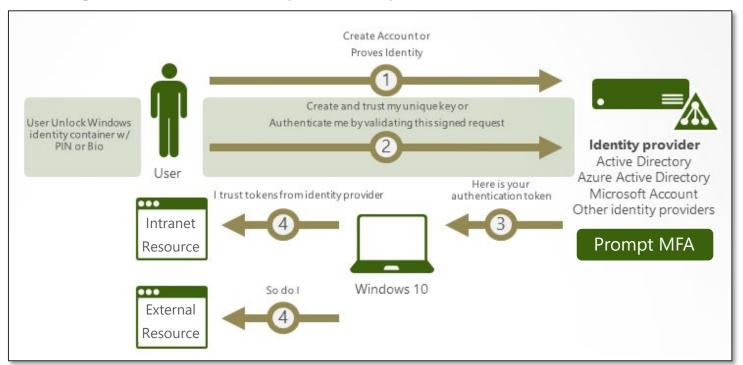






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> With Azure MFA admins can lock down privileged accounts within a few seconds.



- With Azure MFA admins can lock down privileged accounts within a few seconds.
- How do you require the same requirement for on-premise activities?

Smart Cards:

 Require a specific hardware token for completing the user authentication



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- Smart Cards are far more secure than using a password.



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 - All require two-factor PIN to unlock



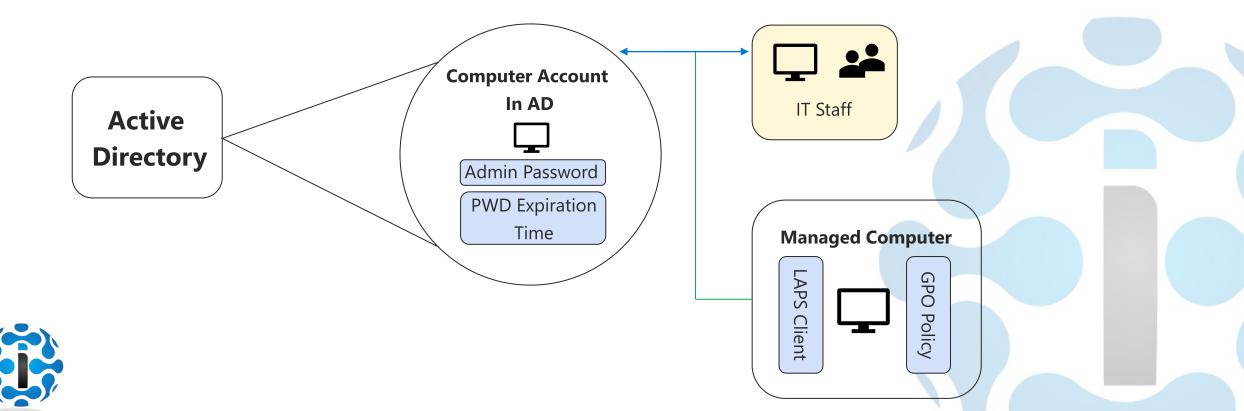
Smart Cards:

- Require a specific hardware token for completing the user authentication
- Smart Cards are far more secure than using a password.
 - All require two-factor PIN to unlock
 - Newer cards supporting biometrics



Requirement: Protect Local Administrator Accounts

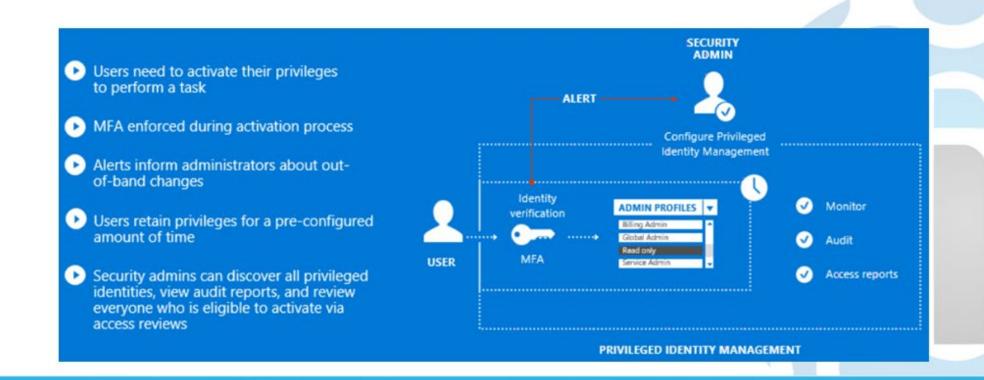
- Local Admin Password Solution (LAPS)
- Targets local administrator accounts on Windows devices
- Automatically rotates passwords for all machines controlled by LAPS



Requirement: Review Administrative Access on a Regular Basis

Azure Privileged Identity Management (PIM)

- Access Reviews
- Conditional Administrators





Bitlocker Disk Encryption





Bitlocker Disk Encryption

Full drive encryption on Windows 10 systems





Bitlocker Disk Encryption

Full drive encryption on Windows 10 systems

Managed by Microsoft Endpoint Manager (Intune)





Bitlocker Disk Encryption

- Full drive encryption on Windows 10 systems
- Managed by Microsoft Endpoint Manager (Intune)
- Encryption keys stored in Azure Active Directory





Requirement: Patch Endpoints on a Regular Basis

 Can't wait for systems to be connected to the network





Requirement: Patch Endpoints on a Regular Basis

- Can't wait for systems to be connected to the network
- Deploy updates quickly after release

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Requirement: Patch Endpoints on a Regular Basis

- Can't wait for systems to be connected to the network
- Deploy updates quickly after release
- Answer: Endpoint Manager (Intune + SCCM)

Requirement: Strong Email Security

Flag external emails





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Flag external emails

 Sandbox for advanced scanning of attachments and embedded links (Defender for O365)





Requirement: Strong Email Security

- Flag external emails
- Sandbox for advanced scanning of attachments and embedded links (Defender for O365)
- Protect against phishing SPF/DKIM/DMARC





Requirement: Protect Endpoints with an EDR Tool

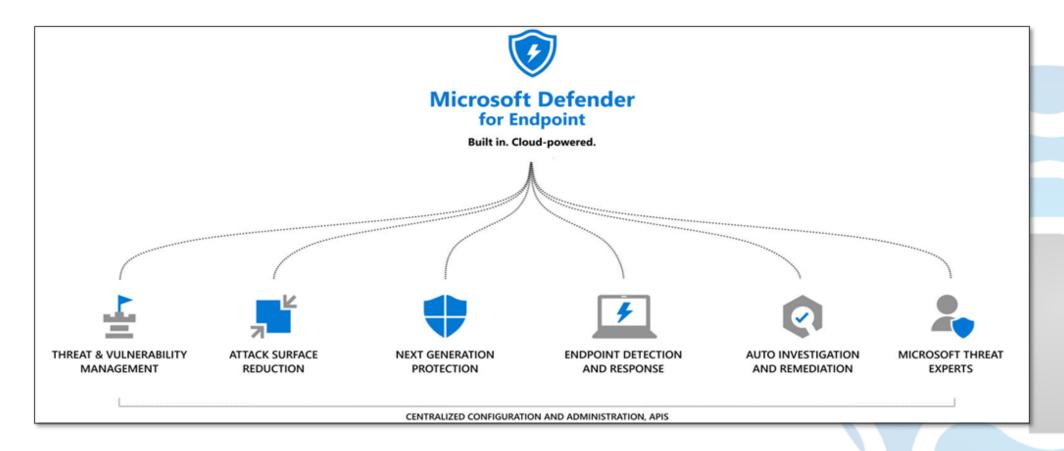
Anti-virus is not enough.





Requirement: Protect Endpoints with an EDR Tool

Anti-virus is not enough.





Monitor:

Implement Azure Sentinel (SIEM)





Monitor:

- Implement Azure Sentinel (SIEM)
- Aggregate Logs





Monitor:

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- Aggregate Logs
- Extract information from raw data





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- Create automated responses for security events



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Respond:

Build a SOC or outsource



Monitor:

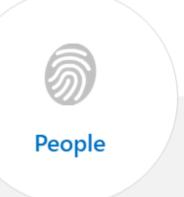
- Implement Azure Sentinel (SIEM)
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- Extract information from raw data
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Respond:

- Build a SOC or outsource
- CRITICAL START



CRITICAL START Managed Detection and Response

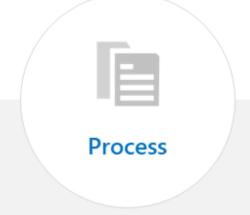


We make your team more efficient and effective. Your team will only see < 1% of total alerts generated and anything they see will have been investigated and contextualized by our world-class SOC.

Transparency, your team can see and interact with the exact same portal our SOC analysts use. All of the details of what our SOC is seeing, investigating and doing are available.

Mobile, full fidelity of events and full functionality of response options available via a mobile app on iOS and Android.

Real support, whenever guidance is needed, our highly trained, tenured, shift-based team is there 24x7x365.



We stop breaches by resolving every security alert.

We seek to prove good. Leveraging our Trusted Behavior Registry, we orchestrate resolution of known good events.

We simplify the end-to-end security detection and response process.

We contain the blast radius of a threat by actioning the massive visibility across identity, email, endpoint, cloud and SIEM.

We handle investigation (what happened, how far did they get, is it stopped) by taking alerts and rationalizing them against standard cybersecurity reasoning and vocabulary.



We address the challenge of portal fatigue. We focus on the right workflows and the right console data, just in time.

We provide pre-built queries that can take variable input to get the necessary data without the learning curve of KQL.

API's are used to pull additional data reducing investigation times. We stitch together signal from across each Microsoft Threat Protection solution (identity, email, endpoint, cloud and SIEM) to provide a wholistic correlated view of the events.

Our access follows the principle of least privilege and is co-managed. We function as an AD Enterprise Application to uphold the standard of least privilege and prevent permission creep (we would never ask for Global Admin).



Mike Wilson

Interlink Cloud Advisors - CTO / Vice President

- Vulnerability Management
- Backups and DR
- Microsoft Licensing
- Microsoft Funding
- Questions





Requirement: Regularly Scan Network for Vulnerabilities

External Scans





Requirement: Regularly Scan Network for Vulnerabilities

- External Scans
- Internal Scans



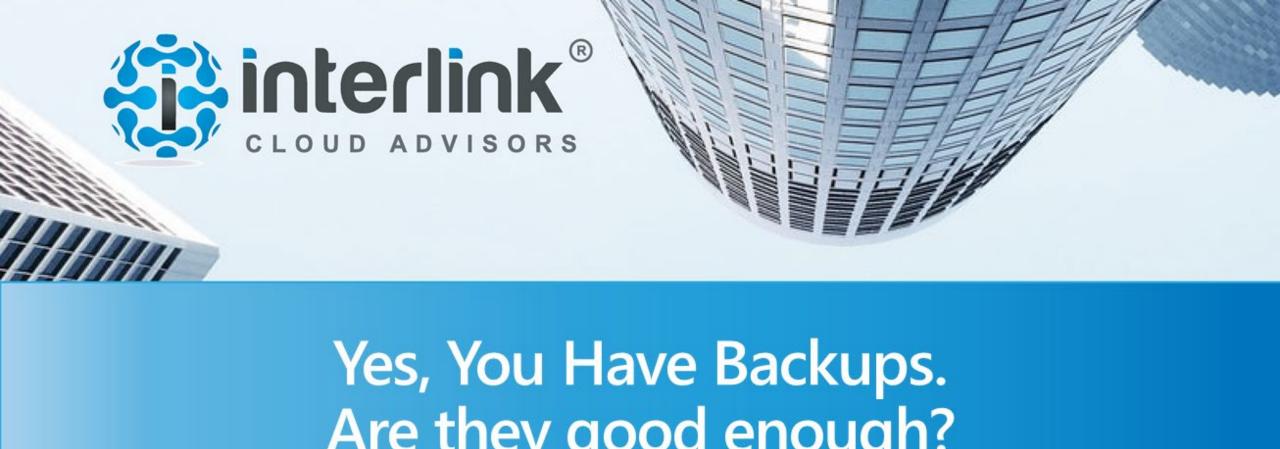


Requirement: Regularly Scan Network for Vulnerabilities

- External Scans
- Internal Scans
- Pen Tests

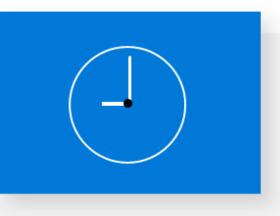






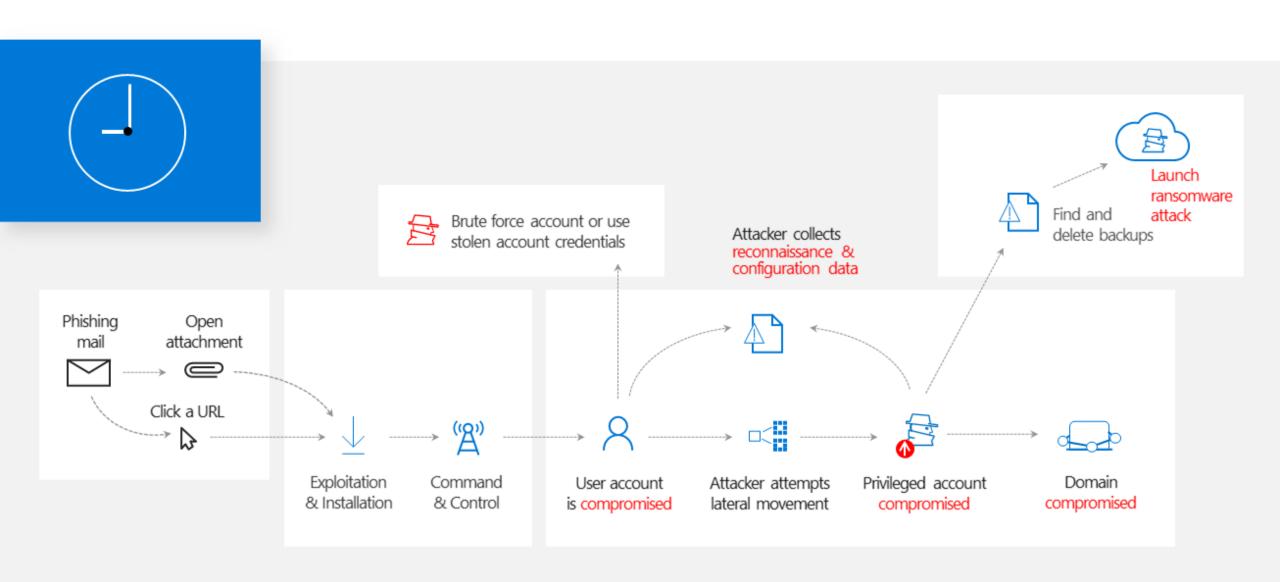
Are they good enough?

Anatomy of an Attack – Old Paradigm





Anatomy of an Attack – New Paradigm





Approaching Backups and DR

1. Backups Must be Air-Gapped





Approaching Backups and DR

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 - a. Azure Backup and Azure Site Recovery are cost effective ways to help.

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Approaching Backups and DR

- 1. Backups Must be Air-Gapped
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- 2. Protect the ability to delete backups these accounts are critical.

Interlink Cloud Advisors

Approaching Backups and DR

- 1. Backups Must be Air-Gapped
 - a. Azure Backup and Azure Site Recovery are cost effective ways to help.
- 2. Protect the ability to delete backups these accounts are critical.
- 3. Don't forget end user desktops use OneDrive!





Pricing



Cyber Insurance

B **365 ENTERPRISE** MICROSOFT

\$35

Microsoft 365 E3

Office 365

Office 365 E3 - \$20

APPLICATIONS

Microsoft 365 Apps & Microsoft Mobile Apps

Single sign-on to Cloud and Office apps on up to 5 PCs and Macs

SERVICES

Exchange

Unlimited archiving

OneDrive

Cloud storage, sync and file sharing

SharePoint

Teams sites and internal portals

Microsoft Teams

Chat-based collaboration tool
Online meetings, IM and video chat

Plus

PowerApps & Power Automate (limited), Encrypted Email, Data Loss Prevention, Rights Management, Stream, Delve, Sway, Yammer, To Do, Planner, My Analytics, Kaizala, Lists, and more!

Enterprise Mobility + Security

EMS E3 - \$10.60

IDENTITY AND ACCESS MANAGEMENT

Azure Active Directory Premium P1

Single sign-on to Cloud and on-premises applications

Self service password reset

Security reporting/multi-factor authentication

MANAGED MOBILE PRODUCTIVITY

Microsoft Endpoint Manager

Mobile device and app management to protect corporate apps and data on any device

Includes SCCM client license Windows Autopilot

INFORMATION PROTECTION

Azure Information Protection Premium P1

Encryptions for all files and storage locations

Windows CAL

Windows 10 Enterprise

Windows E3 - \$7

SECURITY

BitLocker Management

Enterprise-grade disk encryption managed on-premise or Cloud

MORE PRODUCTIVE

Application Virtualization (App-V)

Simplify app delivery and management on any device

BranchCache

Allow users' PCs to cache files, websites, and other content from central servers, so content isn't repeatedly downloaded across the wide area network (WAN)

Virtual Desktop Access

Allow connections to Virtual Desktops including Windows Virtual Desktop in Azure

Per User Licensing

Install on up to 5 devices

Direct Access

Always on VPN connection to on-premise resources

Windows Information Protection

Containerize corporate data on PCs with end to end data security to and from Office 365

AppsLocker - Device locked down to only run fully trusted apps



Cyber Insurance



Microsoft 365 E5 Licensing:

INCLUDED IN NEW LICENSING BUNDLE OPTIONS

Microsoft 365 E5 Security - \$12

All boxes outlined in red included

Microsoft 365 E5 Compliance - \$12

All boxes outlined in green included

Defender for Office 365 P2 - \$5

Zero-day threat & malware protection

Office 365 E5 - \$15 (Incremental to 0365 E3)

SECURITY

Microsoft Defender for O365 P2 Zero-day threat & malware protection

Office 365 Threat Intelligence

Identify, understand & respond to attacks

Office 365 Cloud App Security

53

MICROSOFT 365 ENTERPRISE

Policy and security alerting

Office 365 Advanced Compliance

Advanced eDiscovery Advanced Data Governance Customer Lockbox Customer Key

ANALYTICS

Power BI Pro

Live business analytics & visualization

VOICE

Audio Conferencing

Worldwide dial-in for online meetings

Phone Systems

Business phone system in the Cloud

EMS E5 - \$5.80 (Incremental to EMS E3)

Azure Active Directory Premium P2

Advanced risk based identity protection with alerts, analysis, and remediation

Privileged Identity Management

Microsoft Cloud App Security

Bring enterprise-grade visibility, control, and protection to your Cloud applications

Azure Information Protection Premium P2

Intelligent classification and encryption for files shared inside and outside your organization

Microsoft Defender for Identity

Detect and investigate attacks

Windows E5 - \$5 (Incremental to Windows E3)

Microsoft Defender for Endpoint

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

Includes VDA License and virtualization rights to provide full capabilities of Windows 10 Enterprise in virtual environments



All prices are per user, per month, as estimated per Microsoft.

NEED HELP? Contact Interlink Today!

hello@interlink.com | (800) 900-1150 | (513) 444-2020 www.interlink.com



Interlink Cloud **Advisors**



Security Energize

THE FOUR MODULES FOR THIS ENGAGEMENT:



Threat Check:

Microsoft 365 security products are used to gain visibility into threats to your Microsoft 365 cloud environment across email, identity, and data in order to better understand, prioritize, and mitigate potential vectors of cyberattacks.



Discovery Session:

This is a standalone module designed for the delivery team to learn about a customer's organization, IT initiatives, security influencer's, and priority/maturity against an array of security capabilities that Microsoft can bring to bear.



Azure Sentinel:

Leverages Azure Sentinel & Microsoft 365 security products to help gain an understanding of Azure Sentinel & gain insights on active threats across on-premises & cloud workloads.

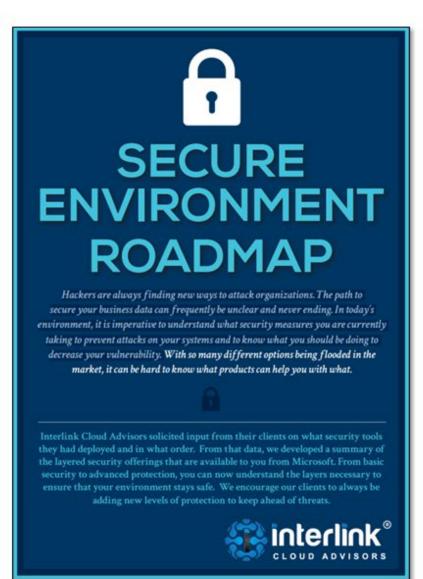


Microsoft Threat Protection:

This is a demonstration of how the security solutions work, including going through key scenarios of an attack kill chain to help you learn how to protect your environment.

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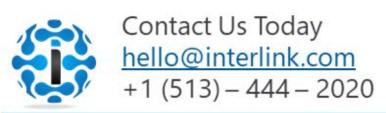
Secure Environment Roadmap



Building a secure environment can be extremely complex. It can be difficult to even know where to start. We surveyed our clients and asked what tools they had deployed and in what order. Basics 101 1 in 131 of all emails contain malware' Windows Defender - AV Up-to-Date Firewall with Monitoring Windows Defender Firewall (Endpoint Manager of 3rd Party) AD enforced, Azure AD Password Protection Password Policies Automated Patching - Mobile and On-Premises Endpoint Manager, Windows Update for Business Defender for Office 365 Plan 1 Deep Email Scanning Defender for Office 365 Plan 1 Air-Capped Backup and Disaster Recovery Azure Site Recovery and Azure Backup Deprovisioning of Terminated Users Policies, Automatic Deprovisioning with Azure AD 550 Mobile Device Management Microsoft Endpoint Manager (Intune) Multi-Factor Authentication & Conditional Access Azure AD Premium Plan 1 Single Sign on for All Applications Azure AD Premium Plan 1 End User Training ClipTraining Basics 201 Security Reporting for Cloud Logins Azure AD Premium Plan 1 Outbound Email Encryption Office 365 E3 Data Loss Prevention Scanning Microsoft 365 Compliance Center DLP Policies Desktop Intrusion Monitoring Defender for Endpoint (ES) Encrypted Hard Disks Bitlocker (Windows 10 Professional & Enterprise) MFA for On-Premise Admin Accounts Active Directory Certificate Services / SmartCards MFA for Cloud Admin Accounts Azure AD Security Defaults / Azure AD Premium Pf. 230K new malware samples are produced Intermediate 301 Event Correlation and Log Retention (SIEM) Secure External Sharing with Auditing (encrypted) Azure Information Protection Plan 1. File Encryption & Rights Management. Office 365 E3 & Azure Information Protection Plan 1 Azure AD Premium Plan 2 Privileged Identity Management Cloud Activity Monitoring & Alerting Cloud App Security Defender for identities Intrusion Detection inside the network with Monitoring Incident Response Procedures Azure Sentinel Playbooks Penetration Testing / 3rd Party Security Auditing Azure Information Protection Plan 2 Automatic File Encryption Protect 3rd Party Web Services Cloud App Security End User Threat Testing Defender for Office 365 Plan 2 MFA for End User Logons Windows Hello Advanced 401 Application Development Security Auditing 3rd Party Threat Activity Monitoring & Alerting Microsoft 365 Defender / Azure Sentinel Server Protection & 3ff Server Admin Azure Security Center Data Classification Azure Information Protection Plan 2 Identify Shadow IT Cloud App Security Automated Access Reviews for Administration & Sesitive Data Azure AD Premium P2

Workshops & Assessments Ask us about Funding!

- · Viva and Viva Insights Workshop
- Teams Meetings Workshop Energize
- Teams Apps & Solutions Workshop Energize
- Teams Calling Workshop Energize
- Security Workshop Energize
- **Identity Workshop Energize**
- And Much More!



















ARE YOU CONCERNED ABOUT SUSPICIOUS USERS AND SIGN-IN BEHAVIOR IN YOUR ENVIRONMENT?

actors and hackers. They detected personal devices connecting to

Find you should be Morosoft. Identity is boday's gatevas 16 year - size no longer able to protect your not power for 800 million accounts. If the liet to platem security. The I forcess. The charlenge now is and finds that 500 micror login. growing implementation of Cloud. securing user identities to ensure attempts daily come from criminal - applications, the increased use of - you've limbing access to authorize remote vonforce mean that you



omprehensile sonano that will there will him to uncoler identity have in yo environment, gain insights in your applications, and whereas

energ/ze MICROSOFT TEAMS APPS AND SOLUTIONS WORKSHOP SEE WHAT'S POSSIBLE WITH TEAMS reprise unlaboration, bond efficiency, and day in the flow of with

the set of the possible, working with you're identify and prioritize to salares scenarios in helicador sour stando collaboration shalar design a plan that teverages Teams' platform capabilities to Neth-you









DO MORE WITH MICROSOFT TEAMS

people stay focused before during and after the meeting

can stay connected.

Today, organizations rely on beamwork with employees working on twice as many beams as they distjust the years ago, and information workers spend

NOS more time culturanting with co-workers, outside contractors, supplier

and customers. To succeed, you need collaboration and communication too

that empower your workforce to be more agile, efficient, and secure so the

proclinates being more mobile and working remotaty in fact, MIS, of markings

mobile Microsoft Tourns riskum a unique and in and masters apparent



56%

38%





Questions?

Q&A

