

Considerations for Sustaining A Culture of Cybersecurity

Part 2

THE NACHC MISSION

America's Voice for Community Health Care

The National Association of Community Health Centers (NACHC) was founded in 1971 to promote efficient, high quality, comprehensive health care that is accessible, culturally and linguistically competent, community directed, and patient centered for all.





Supported Vendors:

athenaOne athenaFlow/athenaPractice (formerly Centricity) eClinicalWorks Greenway Intergy NextGen Healthcare

(Coming Soon) EPIC

NACHC supports several user groups for Health Centers that utilize various Electronic Health Record (EHR) platforms. These user groups provide a vehicle for health centers to meet and discuss common issues, share experiences and gain valuable insight on accomplishments and best practices.

NACHCs EHR User Groups

Benefits of joining an EHR User Group:

- Connect with other Health Centers who use the same EHR platform as you do.
- Discuss issues and enhancements that are most important to Health Centers.
- Groups are led by Health Centers, HCCN's and PCA staff on a voluntary basis.
- Online forums to exchange ideas, lessons learned and best practices.
- Groups meet both virtually and in-person.
- NACHC provides support via WebEx, conference calls and meeting space at our major conferences.

Questions? E-mail: PStringfield@nachc.org

Today's Session: Cybersecurity Risk & Preparation

Participants will:

- Learn how to quantify IT security risks in their organization
- Learn practical exercises to know what to do WHEN not IF a data breach happens to them
- Learn how to cultivate a culture of Security Awareness in their organization

Presenters:

- **Arnel Mendoza,** Director of Information Systems, QueensCare Health Centers
- Michael Sanguily, Director of CISO Services, Health Choice Network



Meet Your Speakers



Arnel Mendoza Director of Information Systems QueensCare Health Centers



Michael Sanguily Director of CISO Services Health Choice Network







Understanding the Essentials



Learn How to Quantify Risks In Their Organization



Learn Practical Exercises to know what to do WHEN not IF a Data Breach Happens



Learn How To Cultivate A Culture of Security Awareness in their organization



Part 1 Recap

A Basic Infrastructure protects.

A Good Infrastructure enables.

A Great Infrastructure innovates.







Cybersecurity Best Practices

PEOPLE

- Password/User M
- Security Awarene
- Organizational Cu
- Compliance
- Security Awarene
- HIPAA & Cyber Ed staff
- Security Officer/L
- Role-Based Acces

PROCESS Ingoing Risk Management ata Backup yber-insurance in place ompliance icident Response usiness Continuity Processes etwork Pen Testing ingoing Audits

- Intrusion Protection Systems
- Device Encrypsion
- Segmented Networks
- MFA (Multi-Factor Auth



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Cybersecurity Basics: GCA Cybersecurity Toolkit



- 1. Know What You Have
- 2. Update Your Defenses
- 3. Beyond Simple Passwords
- 4. Prevent Phishing and Malware
- 5. Backup and Recover
- 6. Protect Your Email and Reputation

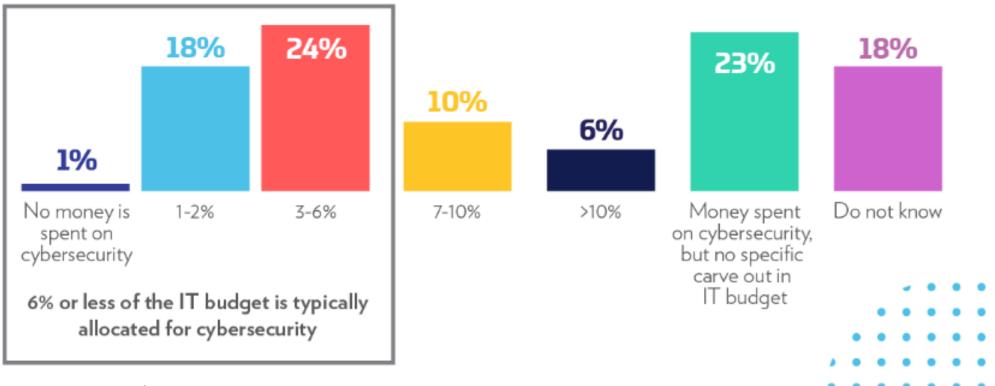
Adapted from https://gcatoolkit.org/





How Much Are You Spending For Cybersecurity?

Percent of Current IT Budget Allocated to Cybersecurity



Source: HIMMS Cybersecurity Survey 2021

NATIONAL ASSOCIATION OF

Community Health Centers

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A Word About Budgeting

When talking to vendors, always use the magic words: **NON-PROFIT PRICING** Always look for **FREE** or **SIGNIFICANTLY DISCOUNTED** resources

monday.com for nonprofits

SALESFORCE FOR NONPROFIT

Microsoft 365 resources for nonprofits Google for Nonprofits.

Mobile Beacon for Nonprofits

Nessus Essentials free vulnerability assessment solution

CISA's Cyber Hygiene Vulnerability Scanning email vulnerability@cisa.dhs.gov



Cloudflare Universal SSL certificate FREE

R Incident Response Framework





More Free from CISA





<u>Free Cybersecurity Services and Tools | CISA</u> https://www.cisa.gov/free-cybersecurityservies-and-tools









What To Do First: Quantify Your Risk

If you want to know what to spend on for cybersecurity, you must first determine where you are most vulnerable.







Basic Assessment

https://www.flex-protection.com/#self

Security Self-Assessment

Please select the response that best represents your company or organization for each risk factor.

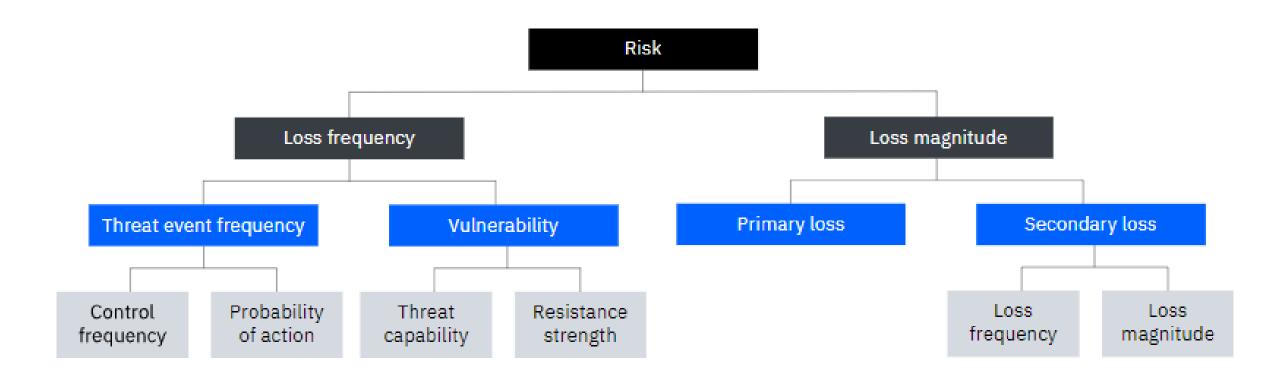


Do you have a written Information Security Policy that is endorsed and supported by top management?	Yes •		
How often are employees and management given Security Awareness Training (SAT)?	At least annually 🗸		
Do you have a documented Data Inventory - a list of key data stores, where they are located, and how they are protected?	Yes, and it's current		
Is there a convenient list of Security Best Practices that all computer users are familiar with?	Yes, everyone is familiar		
Is critical data backed up automatically every day, onto separate computers used for this purpose?	Yes, automated and verified		
Does your company have remote or traveling employees who need network access?	No, everyone works on site		
Have you had a network vulnerability scan or professional security assessment from a third party consultant or advisor?	Yes, on a regular basis -		
Does your company or organization have a public-facing web site?	No web site		
Are you covered by a Data Defender subscription to insure best practices and basic documentation?	Enterprise Data Defender in place		
First Name Last Name Phone Number Work E-mail	DISPLAY RESULT		



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The Science of Risk Management for PROs





The Parameters



Asset

An asset is any element of value organization leaders seek to protect, such as the following items:

- Database full of sensitive data
- Systems or applications
- A physical facility
- Employees
- Supplier relationships
- Financial instruments, including cash, savings and investments



Threat

A threat is an agent that can act against the asset and result in loss to the organization, such as the following items:

- Lone hacker
- Organized criminal group
- Rogue employee
- Earthquake
- Failing hard drive
- Software with bugs
- Self-propagating malicious code



Effect

An effect is the loss resulting from a successful action of the threat against the asset, such as the following items:

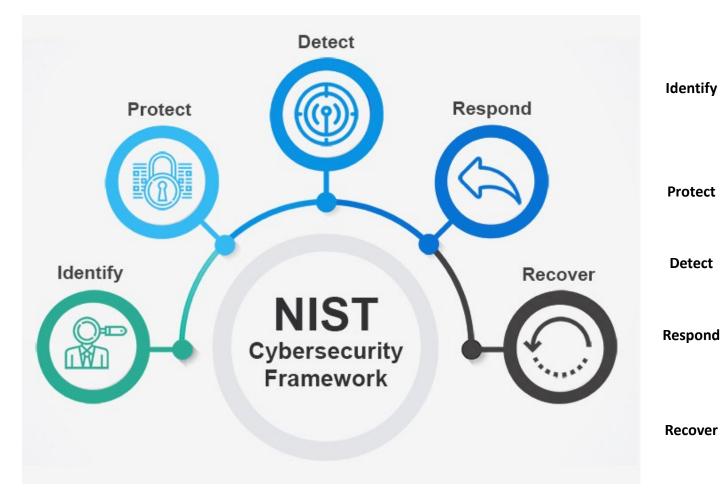
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- Confidentiality
- Integrity
- Availability
- Personal injury
- Physical property damage

In scenario preparation, if the **threat** were to successfully act on the **asset** to produce the **effect**, the organization would experience financial loss. Security risk quantification would determine the parameters of the loss.



NIST Cybersecurity Framework



This function assists in developing an organizational understanding to managing cybersecurity risk to systems, people, assets, data, and capabilities. Understanding the business context, the resources that support critical functions, and the related cybersecurity risks enables an organization to focus and prioritize its efforts, consistent with its risk management strategy and business needs.

This function outlines appropriate safeguards to ensure delivery ofProtect critical infrastructure services. The Protect Function supports the ability to limit or contain the impact of a potential cybersecurity event.

This function defines the appropriate activities to identify theDetect occurrence of a cybersecurity event. The Detect Function enables timely discovery of cybersecurity events.

This function includes appropriate activities to take action regarding aRespond detected cybersecurity incident. The Respond Function supports the ability to contain the impact of a potential cybersecurity incident.

This function identifies appropriate activities to maintain plans for resilience and to restore any capabilities or services that were impaired due to a cybersecurity incident. The Recover Function supports timely recovery to normal operations to reduce the impact from a cybersecurity incident.



NIST Cybersecurity Framework

Function	unction Category				
	Asset Management	ID.AM			
	Business Environment	ID.BE			
	Governance	ID.GV			
Identify	Risk Assessment	ID.RA			
	Risk Management Strategy	ID.RM			
	Supply Chain Risk	IDSC			
	Management	ID.SC			
	Identity Management and	PR.AC			
	Access Control	PR.AC			
	Awareness and Training	PR.AT			
Protect	Data Security	PR.DS			
Protect	Information Protection	PR.IP			
	Processes & Procedures				
	Maintenance	PR.MA			
	Protective Technology	PR.PT			
	Anomalies and Events	DE.AE			
Detect	Security Continuous	DE.CM			
Delett	Monitoring				
	Detection Processes	DE.DP			
	Response Planning	RS.RP			
	Communications	RS.CO			
Respond	Analysis	RS.AN			
	Mitigation	RS.MI			
	Improvements	RS.IM			
	Recovery Planning	RC.RP			
Recover	Improvements	RC.IM			
	Communications	RC.CO			

Subcategory	Informative References				
ID.BE-1: The organization's role in the supply chain is identified and communicated	COBIT 5 APO08.01, APO08.04, APO08.05, APO10.03, APO10.04, APO10.05 ISO/IEC 27001:2013 A.15.1.1, A.15.1.2 A.15.1.3, A.15.2.1, A.15.2.2 NIST SP 800-53 Rev. 4 CP-2, SA-12				
ID.BE-2: The organization's place in critical infrastructure and its industry sector is identified and communicated	COBIT 5 APO02.06, APO03.01 ISO/IEC 27001:2013 Clause 4.1 NIST SP 800-53 Rev. 4 PM-8				
ID.BE-3: Priorities for organizational mission, objectives, and activities are established and communicated	COBIT 5 APO02.01, APO02.06, APO03.01 ISA 62443-2-1:2009 4.2.2.1, 4.2.3.6 NIST SP 800-53 Rev. 4 PM-11, SA-14				
ID.BE-4: Dependencies and critical functions for delivery of critical services are established	COBIT 5 APO10.01, BAI04.02, BAI09.02 ISO/IEC 27001:2013 A.11.2.2, A.11.2.3, A.12.1.3 NIST SP 800-53 Rev. 4 CP-8, PE-9, PE- 11, PM-8, SA-14				
ID.BE-5: Resilience requirements to support delivery of critical services are established for all operating states (e.g. under duress/attack, during recovery, normal operations)	COBIT 5 DSS04.02 ISO/IEC 27001:2013 A.11.1.4, A.17.1.1, A.17.1.2, A.17.2.1 NIST SP 800-53 Rev. 4 CP-2, CP-11, SA- 14				

Funtion	Category	Sub Category
Identify	6	29
Protect	6	39
Detect	3	18
Respond	5	16
Recover	3	6

108 Total Questions



NIST Assessment Tools Are Available Online For Free











Office 365 Has an NIST Governance Tool

Controls / Articles	Compliance Score	Related Controls / Articles	Assigned User	Implementation Status Date	Test date	Test result
Control ID: AC-1(a)(1) Control Title: Access Control Policy And Procedures Description: The organization: Develops, documents, and disseminates to Assignment: organization-defined personnel or roles: An access control policy that addresses purpose, scope, roles, responsibilities, management commitment, coordination among organizational entities, and compliance	3	FedRAMP Moderate: AC-1(a)(1) NIST 800-171: 3.1.1 HIPAA: 45 C.F.R. § 164.308(a)(3)(i) CSA CCM301: GRM-04, IAM-02 ISO 27001:2013: A.9.1.1	Assign Manage Documents	Select \checkmark Enter Date i	Enter Date 🛗	Select~
		More 🔆				
Controls / Articles	Compliance Score	Related Controls / Articles	Assigned User	Implementation Status Date	Test date	Test result
Control ID: AC-1(b)(1) Control Title: Access Control Policy And Procedures Description: The organization: Reviews and updates the current: Access control policy <u>Assignment: organization-defined frequency</u>	3	FedRAMP Moderate: AC-1(b)(1) ISO 27001:2013: A.5.1.2	Assign Manage Documents	Select \checkmark Enter Date	Enter Date 🛗	Select∨
		More 🔆				
Controls / Articles	Compliance Score	Related Controls / Articles	Assigned User	Implementation Status Date	Test date	Test result
Control ID: AC-11(1) Control Title: Session Lock Description: The information system conceals, via the session lock, information previously visible on the display with a publicly viewable image.	6	FedRAMP Moderate: AC-11(1) ISO 27001:2013: A.11.2.9 CSA CCM301: HRS-11, MOS-14, MOS-20	Assign Manage Documents	Select \checkmark Enter Date i	Enter Date 🛅	Select∨



Fill Out The Spreadsheet Assessment

Protect: Self-scoring worksheet (note: enter an "as is" and "to be" score, from 0 to 5, in column D and E

Identity Management

PR.AC-1: Identities and credentials are issued, managed, verified, revoked, and audited for authorized devices, users and processes

PR.AC-2: Physical access to assets is managed and protected

PR.AC-3: Remote access is managed

PR.AC-4: Access permissions and authorizations are managed, incorporating the principles of least privilege and separation of duties

PR.AC-5: Network integrity is protected, incorporating network segregation where appropriate

PR.AC-6: Identities are proofed and bound to credentials, and asserted in interactions when appropriate

PR.AC-7: Users, devices, and other assets are authenticated (e.g., single-factor, multi-factor) commensurate with the risk of the transaction (e.g., individuals' security an

Awareness and Training

PR.AT-1: All users are informed and trained

PR.AT-2: Privileged users understand roles and responsibilities

PR.AT-3: Third-party stakeholders (e.g., suppliers, customers, partners) understand roles and responsibilities

PR.AT-4: Senior executives understand roles and responsibilities

PR.AT-5: Physical and information security personnel understand roles and responsibilities

Data Security

PR.DS-1: Data-at-rest is protected

PR.DS-2: Data-in-transit is protected

PR.DS-3: Assets are formally managed throughout removal, transfers, and disposition

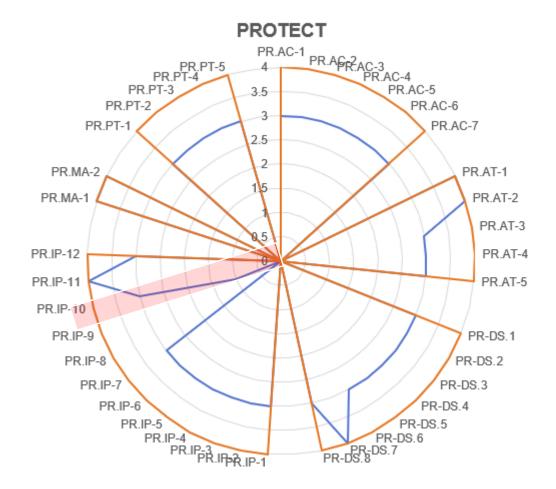
PR.DS-4: Adequate capacity to ensure availability is maintained

PR.DS-5: Protections against data leaks are implemented



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A Heatmap of Your Biggest Vulnerabilities



Example Weakness: PR.IP-10: Response and recovery plans are tested





What the Pros Use: FAIR

One globally recognized security risk quantification methodology is the **Factor Analysis of Information Risk (FAIR™)**. It is a model that codifies and monetizes risk.

In other words, it breaks down risk by identifying and defining the building blocks that make up risk and their relationship to one another. The relationships between each building block or element of risk can be measured mathematically and assigned dollar values, so that ultimately risk can be calculated as financial loss exposure.



Why Is This That Important?

Technology Leaders Must Learn to Speak the Language of the C-Suites.





The Tool <FREE!>



Login

Email

Password

Remember Me?



Forgot your password?

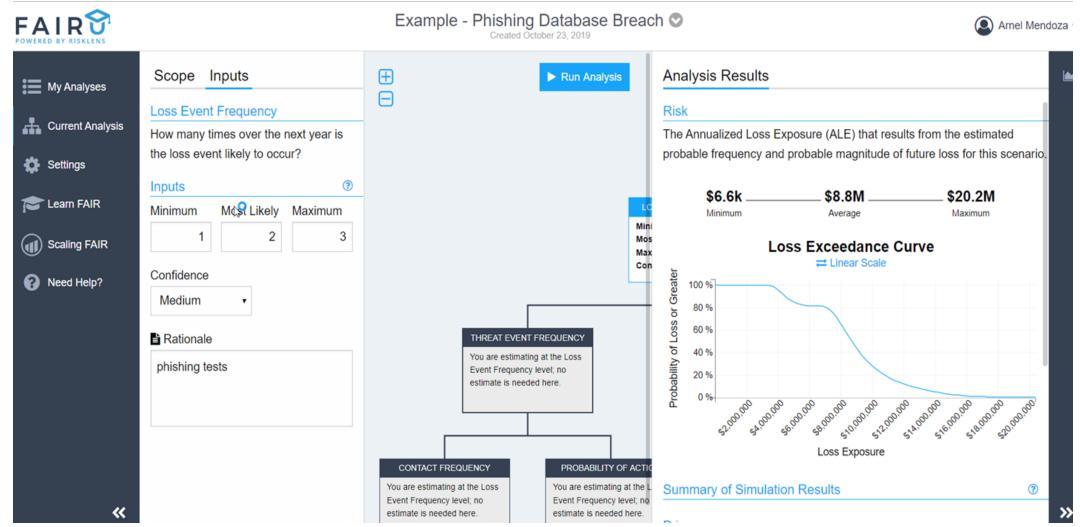
https://app.fairu.net/



www.nachc.org



FairU Example





The Gold Standard

Source: RiskLens

Cyber Top Risk Dashboard

Includes 20 risk scenarios identified for 15 assets broken into 4 risk categories

Risk Categories Aggregated risk scenarios, 10 th - 90 th %	\$10M	\$20M	\$30M	\$40M	\$50M	Annualized Loss	Roadmap Initiative
Insider Access Loss caused by priv. insiders (malicious or error)						\$100K - \$6M	Multifactor Authentication Priv. Access Management
Endpoint Security Loss from end user software or devices						\$0 - \$8M	Endpoint Detection
Customer Data Compromise Loss due to customer data being compromised			1			\$0 - \$42M	Network Access Controls
Corporate Data Theft Loss affecting collections of corporate data						\$100K - \$5M	App Security Upgrade Data Loss Prevention





Asset B Breach

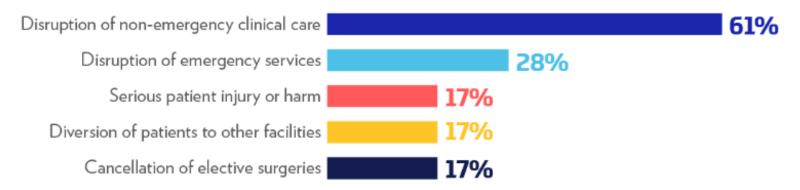
\$2M

40%

Where Does A Data Breach Start?



Patient Safety Issues Caused by Significant Security Incidents



Source: HIMMS Cybersecurity Survey 2021



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Phishing Statistics

 According to CISCO's 2021 **Cybersecurity Threat Trends** report, about 90% of data breaches occur due to phishing.



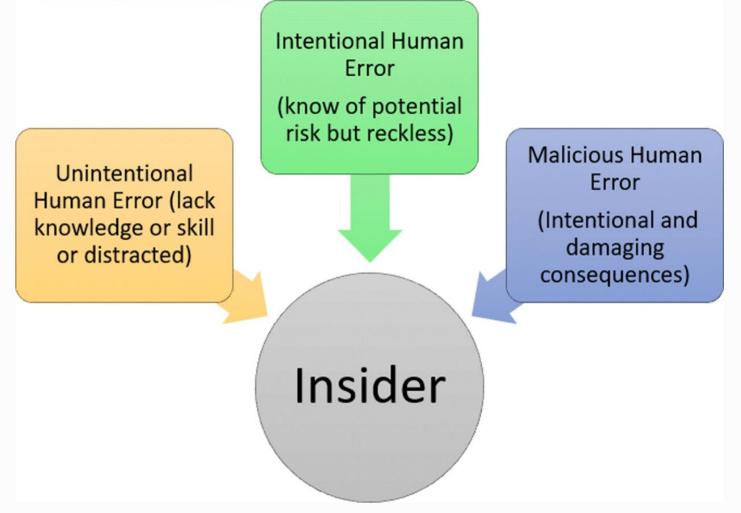
 According to Verizon's 2021 Data Breach Investigations Report, 85% of breaches involved the human element.







The Human Error Factor



Proposed UIM human error as insider-anomaly concept



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The Human Error Factor

• Unintentional human error can be due to lack of organized knowledge or operating skills. This error may remain unintentional or transforms to another type (intentional or malicious).

• Intentional human error is caused by a user who knows of risky behavior but acts on it, or misuses assets. The wrong action may not necessarily bring a sudden harm to the organization, but it may still breach of existing laws or privacy.

• Malicious human error is the worst error as it is intentional with specific and damaging consequences in mind.





What Did That Click Cost?

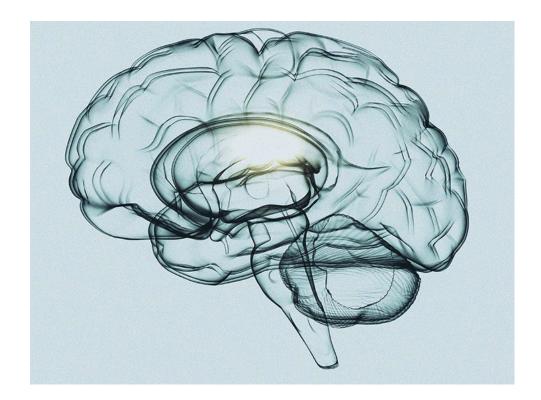
From the report <u>Sophos State of Ransomware 2021</u>, the average ransom paid by mid-sized organizations was **\$170,404** while the average cost of resolving a ransomware attack was **\$1.85 million**. This cost includes downtime, people time, device cost, network cost, lost opportunity, ransom paid, higher cybersecurity insurance premiums.





Why Do People Click? A Little Brain Science

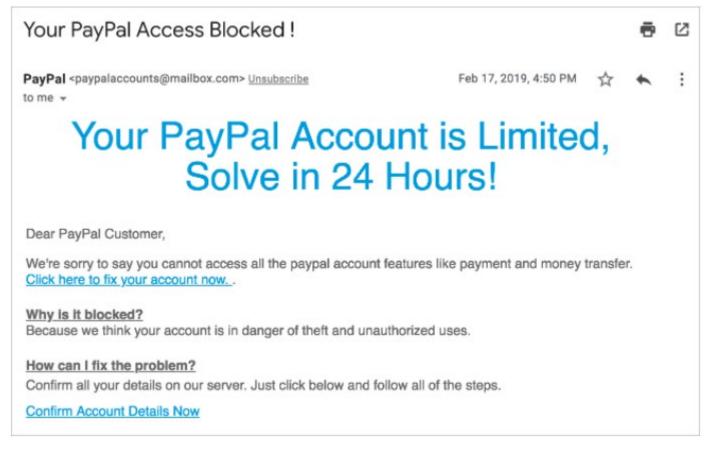
Fact: The emotional brain is both quicker and stronger than the logical brain. Emotions, like fear and urgency, sidestep the frontal lobe and smack us right square in the amygdala, triggering a Fight or Flight Response





Continued:

Hackers trying to get access to your information, will introduce a psychological stressor, say in the form of a threatening email...



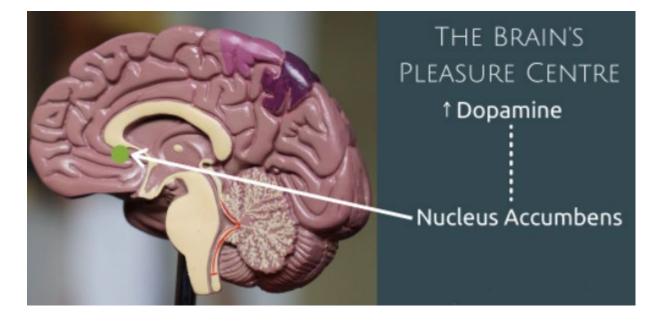


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Other Brain Hijacks

Humans have been found to have similar reactions to surprise rewards – specifically the anticipation of the reward. A pleasure center of the brain called the nucleus accumbens is highly activated by the possibility of receiving a reward.







Unexpected Rewards



Claim Your Tax Refund Online

We identified an error in the calculation of your tax from the last payment, amounting to \$ 419.95. In order for us to return the excess payment, you need to create a e-Refund account after which the funds will be credited to your specified bank account.

Please click "Get Started" below to claim your refund:

Get Started

We are here to ensure the correct tax is paid at the right time, whether this relates to payment of taxes received by the department or entitlement to benefits paid.





When Emotions Take Over People Click

- **STRESS** Too busy/pre-occupied to pay close attention
- FEAR "Do this now, or else..."
- **OVERCONFIDENCE** Overly optimistic at our ability to recognize a phishing email
- **GREED** The unexpected reward
- **HIERARCHY AND AUTHORITY** People tend to comply with requests from authority figures, particularly in the organization



The Power of Authority

EP Eloisa Perard <staffmailbox00911@gmail.com> To O Arnel Mendoza

Retention Policy Default Retention Policy - 10 Years (10 years)

(i) You replied to this message on 6/15/2021 8:04 AM.



Expires Expiration Suspended (6/13/2031)

Excellent, I need you to head to the nearest store and make a purchase of 10 Visa or Amex gift cards at \$500 face value each since they'll have a different selection of gift cards. How soon can you get it done? Because I'll be glad if you can get the purchase done ASAP.

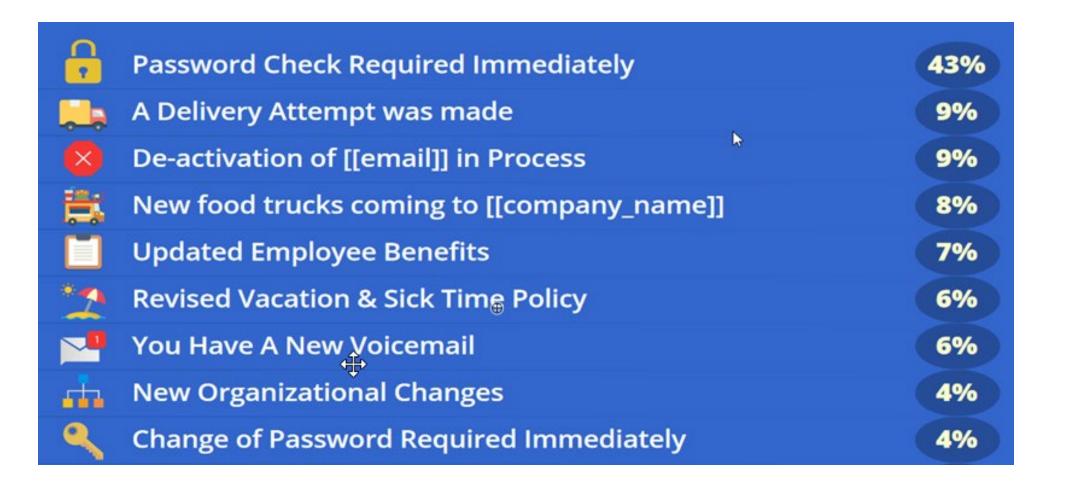
Also, you are getting your payback by the end of the day, So you have nothing to worry about your reimbursement. I assure you of this. And guess what? I also have a surprise for you.

I want this to come as a surprise pending when the lucky ones receive it since we understand it's to come as a surprise to them.





Top Phishing Email Subjects





How Do You Cultivate A Culture of Cybersecurity Awareness?

- A one-hour training given annually is not enough.
- A culture of cybersecurity awareness is something that is cultivated.
- You MUST train like a NINJA!





THE SINGLE MOST IMPORTANT SKILL

HOVER over a link



- If the email appears to be coming from a company, **does the hover link match** the website of the sender?
- Does link have a **misspelling** of a well-known website (Such as Micorsoft.com)?
- Does the link redirect to a suspicious external domain appearing to look like the sender's domain (i.e. micorsoft-support.com rather than microsoft.com)?
- Does the hover link show a URL that **does not match where the context** of the email claims it will take you?
- Do you **recognize** the link's address or did you even **expect to receive** the link?
- Did you receive a **blank email** with **long hyperlinks** and no further information or context?



The OTHER Single Most Important Skill



Research shows that it takes <mark>6 seconds</mark> for the brain chemicals that caused the brain hijack to diffuse.





Good Email Anti-Phishing Hygiene

- Assume that there's something phishy about every link in every email
- Pay attention
- What is the email trying to get you to do?
- How is it trying to get you to do it?
- Remember the 6-second rule.

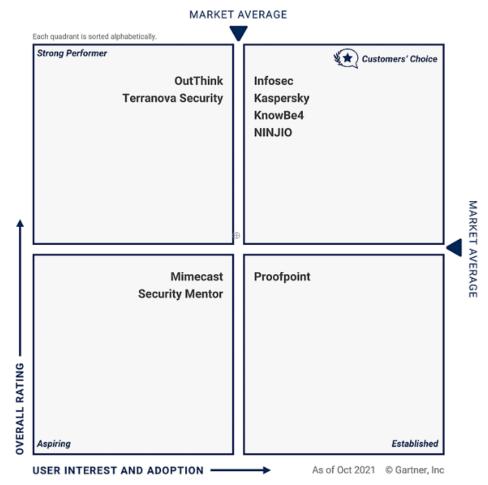




Security Awareness Platforms

Gartner Peer Insights "Voice of the Customer"

Security Awareness Computer-Based Training









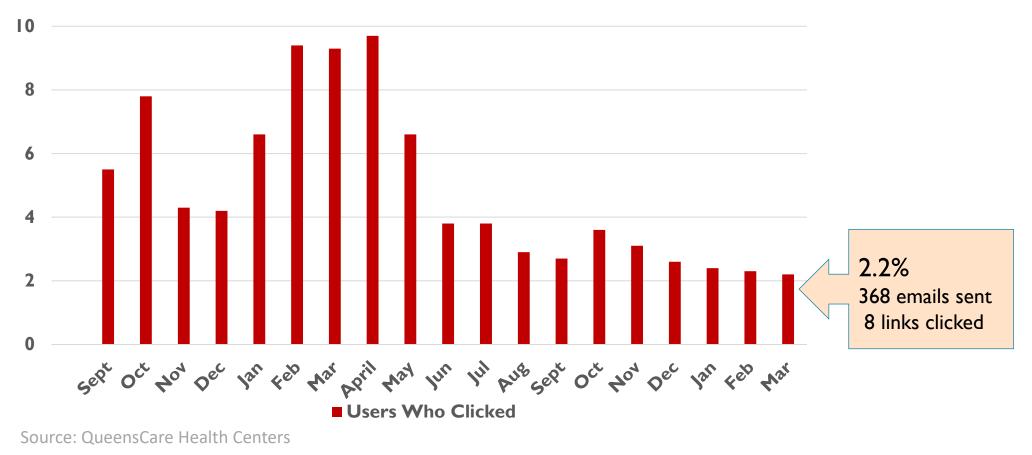
Cultivating a Cybersecurity Awareness Culture

- Phishing Tests done monthly
- "Clickers" automatically have to take online training class.
- Supervisors are notified and will get reminders if their staff do not complete training.
- Targeted mini-trainings implemented for groups identified as high-risk (e.g. MAs that have been with the company less than 6 mos., or users that have clicked 3x in the past year)



Testing Is Essential

Phish Percentage







Identify Patterns

By Job Group	
Community Health	1
MA/DA	4
Provider MD/NP/DDS/MH	O
HA/PSR/PAC/CTS	1
Admin/Finance/HR/ Business Services/Fac/	
Executive Mgmt	2

By Location

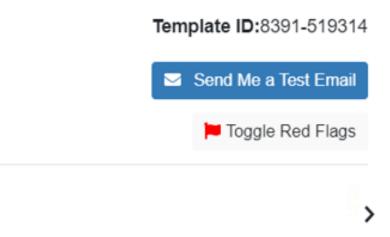
Location 1	4
Location 2	0
Location 3	0
Location 4	1
Location 5	1
Corporate Office	2





Let Them Know What They Clicked On

From: Human Resources <hr@queenscare.org> Reply-To: Human Resources <hr@queenscare.org> Subject: Mandatory survey for all employees



Dear Colleagues,

The organization has created a short survey to help assess the core job function of each department. This survey should take no longer than 3-5 minutes to complete.

Please take a moment to complete the SURVEY. Remember, your responses are completely anonymous! The survey will close at the end of today.

Thank you for your time and input!

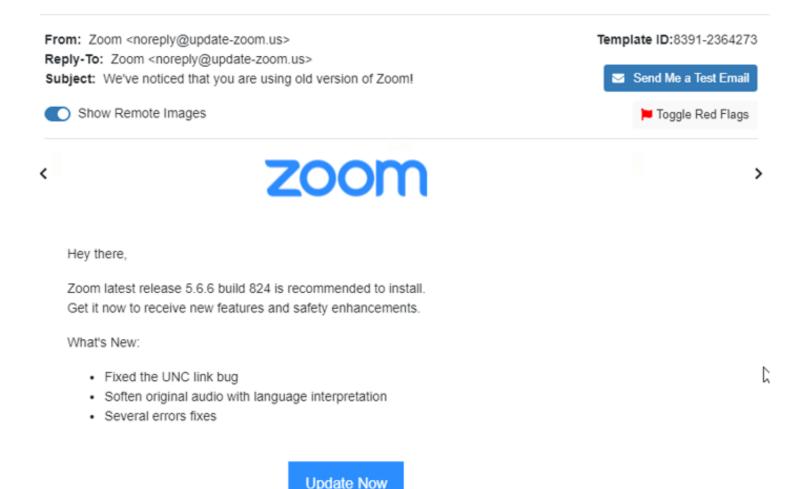


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Examples - Continued

Email Preview - Zoom: We've noticed that you are using old version of Zoom! (Link)

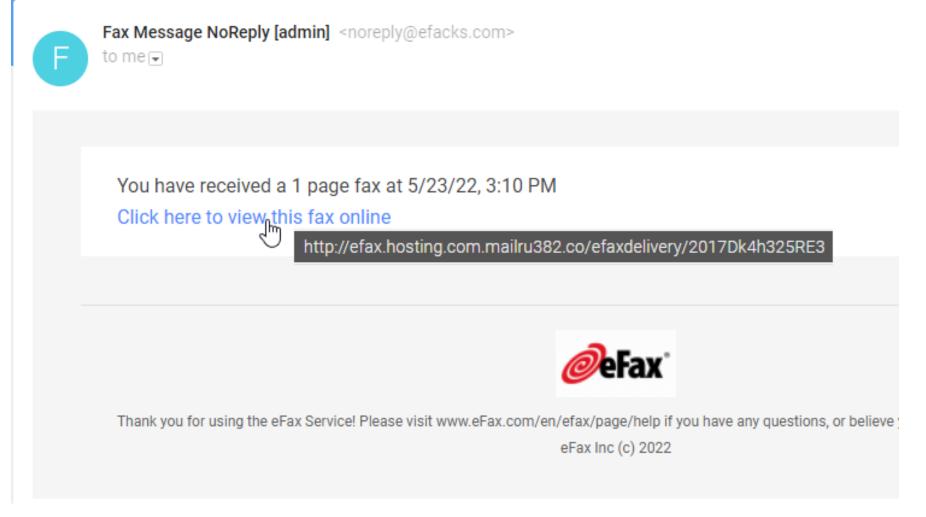




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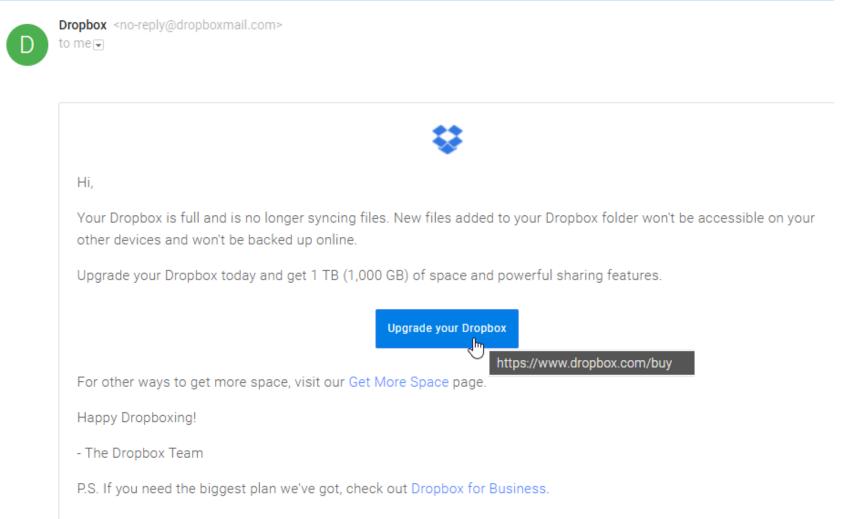
TABLETOP EXERCISE







TABLETOP EXERCISE







TABLETOP EXERCISE



Google <no-reply@google.support> to me ▼

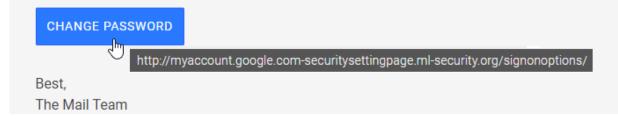
Someone has your password

Hi,

Someone just used your password to try to sign in to your Google Account.

Information: Monday, May 23, 2022 at 3:15:59 PM GMT-07:00 Slatina, Romania Firefox browser

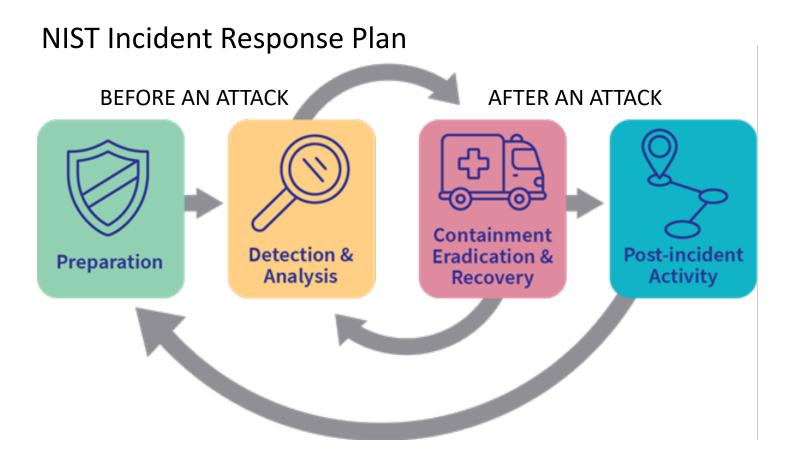
Google stopped this sign-in attempt. You should change your password immediately







WHAT HAPPENS WHEN SOMEONE CLICKS







BE Prepared

- Compile a list of IT assets such as networks, servers and endpoints.
- Identify their importance and which ones are critical or hold sensitive data.
- Set up monitoring so you have a baseline of normal activity. Determine which types of security events should be investigated.
- Create detailed response steps and communication guidelines for common types of incidents.



Detection and Analysis

- Implement monitoring systems for networks, systems, and logs in order to detect, alert, and report on potential security incidents.
- Identifying a baseline or normal activity for these systems. You must be able to correlate related events and see if and how they deviate from normal behavior.





Containment, Eradication, Recovery

- The goal of **containment** is to stop the attack before it overwhelms resources or causes damage. Your containment strategy will depend on the level of damage the incident can cause, the need to keep critical services available to employees and customers, and the duration of the solution—a temporary solution for a few hours, days or weeks, or a permanent solution.
- Containment methods include a co-ordinated shutdown and blocking communication channels and network routes once compromised systems are identified.
- **Eradication** step removes all elements of the incident from the environment, including malware from all compromised hardware.
- Login credentials must be changed on all compromised accounts.
- Once the threat is eradicated, the goal is a **recovery** to normal operations as quickly as possible.



Post Incident Activity

Questions to ask

- What happened, and at what times?
- How well did the incident response team deal with the incident? Were processes followed, and were they sufficient?
- What information was needed sooner?
- Were any wrong actions taken that caused damage or inhibited recovery?
- What could staff do differently next time if the same incident occurred?
- Could staff have shared information better with other organizations or other departments?
- Have we learned ways to prevent similar incidents in the future?
- Have we discovered new precursors or indicators of similar incidents to watch for in the future?
- What additional tools or resources are needed to help prevent or mitigate similar incidents?





Sample Incident Response Plan Template

California Government Department of Technology Incident Response Plan – includes 17-step incident response procedure, with more detailed plans for specific incident types. <u>Download</u> .DOC file

<u>https://cdt.ca.gov/wp-</u> <u>content/uploads/2017/03/templates_incident_response_plan.doc</u>





Tabletop Exercise

You (IT) get a call from one of your providers. Their company provided laptop got stolen from Starbucks. You're not worried because:

A: Oh You're definitely worried
B: The laptop was encrypted
C: You have tools installed to track it and brick it
D: He said it was turned off
E: B and C





Future Proofing Cybersecurity: Zero Trust

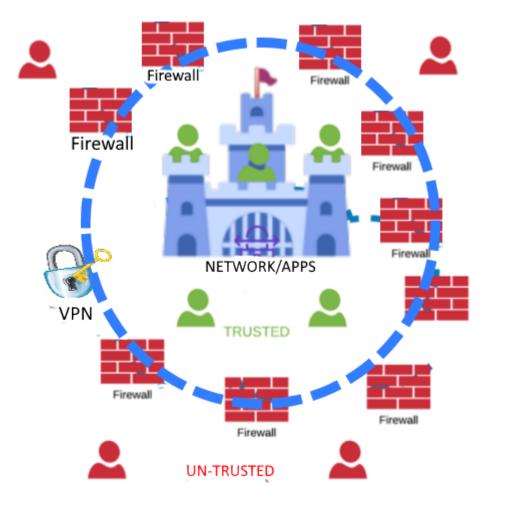


The core concept of zero trust is simple: assume everything is hostile by default.





Traditional Network Security



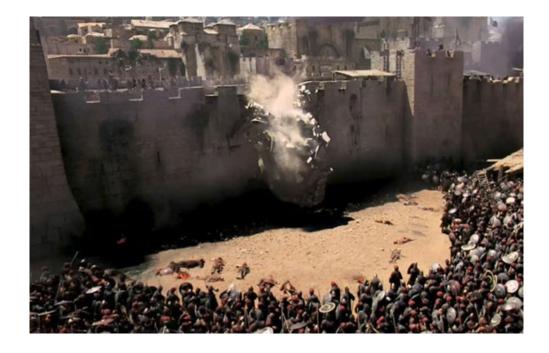
The Castle and Moat Approach: Everyone inside the Moat is trusted, Everyone outside is untrusted

You get access to the inside by being already inside OR by connecting via the VPN.





Weaknesses



This approach does not accommodate for nontraditional workmodes (e.g. BYOD, remote work) well.

VPN bandwidth can be a limitation.

Single point of failure: An attacker can compromise a single endpoint within the trusted boundary and create/expand a foothold inside.

Note: Single largest reason for a data breach (9 out of 10 times) is a phishing email on one single user.



Zero Trust Model – What It Isn't

It is not a piece of technology or any one Software implementation.

It is rather a framework that can be implemented by incorporating several security technologies that already exist and are already being used standalone or in some combinations.





Zero Trust Model Principles

Trust No One. Always Verify.

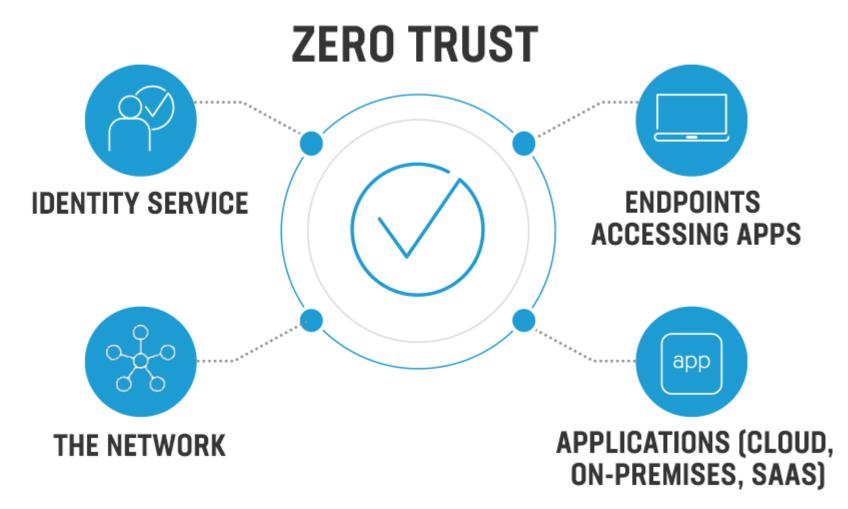
Use Least Privilege Access. Restrict User/Device to the MINIMUM permission required.

Assume breach. Every access attempt is considered hostile until verified otherwise.





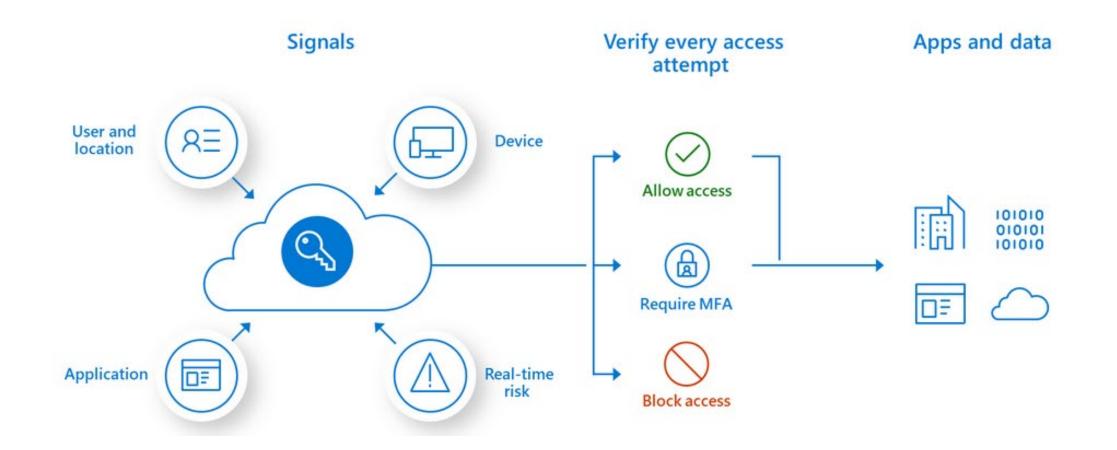
Zero Trust Components







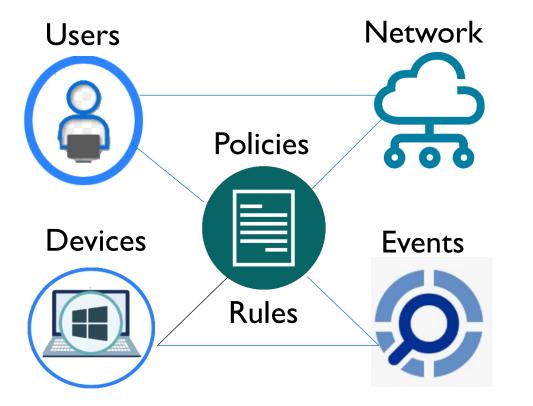
Zero Trust – Practical Application Workflow







Zero Trust Framework – Interactive Parts



Rules:

Let in only specific users, IP Addresses, MAC addresses, geographic locations to specific networks, apps, and systems.





What Does It Look Like In the Real World

Alerts

Office 365 Cloud App Security

i) Customize alerts and actions by creating policies: Create policy -				
Status: OPEN CLOSED Category: Select risk category V Severity:	App: Select apps 🗸 🗸	User name: Select users	 Policy: Select po 	olicy ~
Bulk selection ∨ ↓ Export	Арр	Status	Resolution type	1 - 7 of 7 alerts Severity
Activity from infrequent country □ Activity from infrequent co □ Activity from infrequent co □ B1.223.119.154 □ B1.223.119.154	Office 365	OPEN	_	Medium
Multiple failed login attempts Multiple failed login attempts	O 3 apps	OPEN	_	Low
Activity from infrequent country □ Activity from infrequent co □ Activity from infrequent co □ Microsoft Teams □ 186.83.184.97 □ Colombia	ii Microsoft Teams	OPEN	_	Medium
Activity from infrequent country □ Activity from infrequent co □ IT □	🚺 Microsoft Exchang	OPEN	_	Medium
Operation Operation	1 Office 365	OPEN	_	Medium
Activity from infrequent country □ Activity from infrequent co □ Microsoft Exchange Online □ 191.101.61.102 □	🚺 Microsoft Exchang	OPEN	_	Medium
NATIONAL ASSOCIATION OF Community Health Centers. www.nachc.or	g		@NACHC f 🖬	

Example: Okta

Exempt Zones

No action

Log authentication attempts from malicious IPs

Log and enforce security based on threat level

Zones

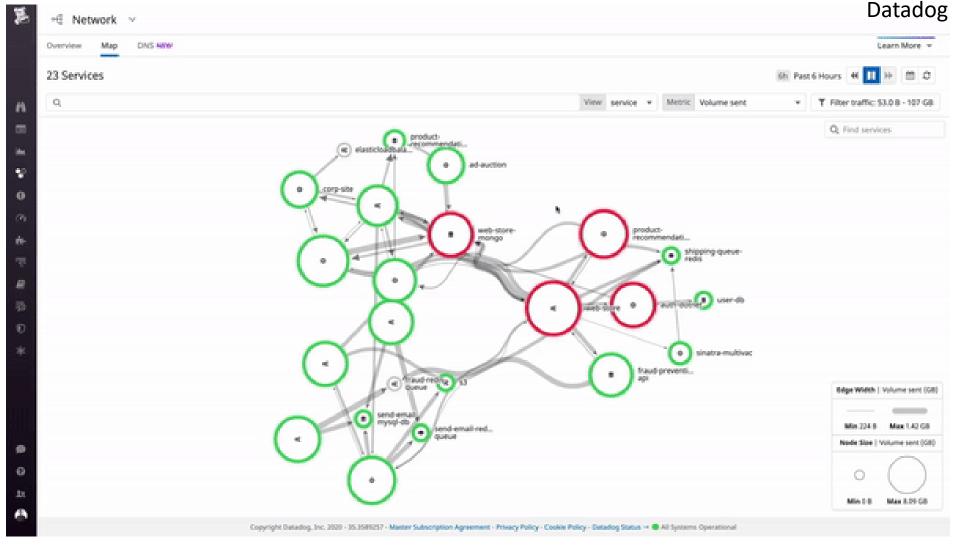
IPs in the included Network Zones will not be logged or have actions enforced based on threat level by Okta ThreatInsight. These IPs will proceed to evaluation by Sign On rules. This ensures traffic from known, trusted IPs is not flagged by Okta ThreatInsight.

Networks

Add Zone 🔻				
Name	Zone Type	Details		
BlockedIpZone	Ø IP Block list	Gateway IPs		/
			See All	
Trust Zone	IP	Gateway IPs		1



Network Bandwidth Analyzer



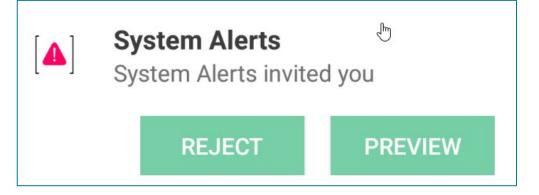


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New World of IT Maintenance

You will get LOTS more warnings and alerts.



You will sleep better at night.







Thank You!

Questions and Answers?



Michael Sanguily MSanguily@hcnetwork.org



How Can You Contact Us?

Arnell Mendoza Amendoza@queenscare.org



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