

Timestamp	What is your name?	What is your current role/position?	How many years of experience do you have in IT or cybersecurity?
#####	Nguyen Quoc Hung	Cybersecurity Architect	12 years
#####	Tran Thi Minh Anh	IT Security Manager	8 years
#####	Le Van Duy	Network Security Engineer	15 years
#####	Pham Duc Long	Cybersecurity Lecturer	10 years
#####	Do Thanh Binh	CISO	18 years

What type of organization do you primarily work w Does your organization currently use any form of Z 1. In your view, what are the main weaknesses of t

Financial Institution	Yes	Traditional perimeter-based security models rely h
University	Partially	Traditional perimeter-based models assume that tl
Cloud Service Provider	Yes	Traditional models place excessive trust in internal
University	Theoretical	Traditional perimeter defenses assume external th
Multinational Enterprise	Yes	Traditional perimeter-based models rely on firewal

2. How would you describe the core value of Zero Trust? 3. Which identity verification methods (MFA, SSO, etc.) do you use in your organization? 4. What challenges have you faced when implementing Zero Trust, and how did you overcome them?

Zero Trust ensures that no user, device, or application is trusted by default. Multi-factor authentication (MFA) combined with continuous monitoring and threat detection.

Zero Trust minimizes the attack surface by enforcing strict access controls. Biometric MFA, such as fingerprint or facial recognition, provides an additional layer of security.

Zero Trust ensures access is granted based on verified identity. Passwordless authentication combined with hardware tokens like FIDO2.

Zero Trust ensures ongoing verification of user identity. MFA via authenticator apps strikes an optimal balance between security and convenience.

Zero Trust transforms access from location-based to context-aware. FIDO2-based passwordless authentication combines multiple factors for verification.

Implementing identity verification technologies often requires significant resources and expertise. Integrating MFA across hybrid systems—on-premises and cloud-based.

Integration with diverse cloud platforms and legacy systems can be challenging. User fatigue from additional authentication steps is a common concern.

Integrating identity verification with complex systems like AI and machine learning can be technically demanding.

5. How do you assess the trustworthiness of devices? 6. What common issues arise when enforcing device controls? 7. From your experience, how do users typically react to device control measures?

We use endpoint management tools to assess device health. Common issues include unpatched operating systems and missing antivirus software. Initially, users expressed frustration with stricter controls like MFA.

We use Mobile Device Management (MDM) tools to track device status. Unpatched student laptops, missing antivirus software, and inconsistent OS updates are common issues. Students often resist stricter controls like MFA due to convenience.

We use certificate-based authentication tied to device serial numbers. Delayed patches, non-standard device configurations, and inconsistent OS updates are common issues. Initially, stricter controls like MFA and device verification were met with resistance from users.

Device trustworthiness is assessed by checking OS compatibility and device configuration. Unpatched or misconfigured systems, particularly on BYOD devices, are flagged. Users initially resist stricter controls like MFA due to inconvenience.

We use continuous device health validation via endpoint monitoring. BYOD fragmentation, inconsistent OS updates, and device configuration issues are common challenges. Early pushback came from employees frustrated by the lack of support for their personal devices.

8. Can you share an example where identity or dev 9. In your opinion, what are the biggest barriers or 10. How do you balance security requirements wit

Last year, a phishing attack targeted an employee's The biggest barriers include legacy system incompa Balancing security and convenience involves imple

A stolen student laptop attempted to access our le Limited funding is a major barrier, as universities o We balance security and convenience by implemen

An attacker attempted to access our admin portal i Legacy authentication protocols, common in hybrid We use adaptive authentication with risk scoring to

During a phishing simulation, an attacker's attempt Complex policy configuration and a lack of awaren Balancing security and convenience involves explai

A consultant's laptop, lacking required security upc Complex migration from legacy systems to Zero Tru We balance security and convenience with SSO and

11. What policies or best practices would you recommend for identity verification? 12. How do you see identity verification evolving in the future? 13. What role do you think device verification will play in the future?

Start by implementing MFA across all critical systems. Identity verification will likely shift toward continuous monitoring.

Begin with MFA across all critical systems, such as databases and cloud services. Behavioral biometrics, such as keystroke dynamics, will also play a role.

Begin by segmenting access based on user roles and devices used.

Define clear identity governance policies and tiered access controls.

Inventory all identities and devices to establish visibility.

Identity verification will leverage AI-driven continuous monitoring.

Device verification is central to securing remote assets.

14. Are there industry standards or frameworks (e.g., NIST SP 800-207, ISO 27001, NIST's Zero Trust Architecture) that your organization can follow? If so, please describe them.

NIST SP 800-207 provides a robust framework for implementing Zero Trust. Adopt Zero Trust as a mindset, not just a technology solution. Start with small, high-impact areas like M

NIST's Cybersecurity Framework provides a flexible approach. Focus on cultural change as much as technology. Educate users—students, faculty, and staff—about the principles of Zero Trust.

NIST SP 800-207 provides a comprehensive Zero Trust framework. Focus on visibility, automation, and culture. Gain complete visibility into users, devices, and data flows.

ISO 27001 provides a structured approach to security management. View Zero Trust as a continuous learning process. Start with small, impactful steps like MFA and device

NIST's Zero Trust Architecture (ZTA) provides a comprehensive framework. Trust nothing, verify everything, and adapt continuously. Start with high-impact controls like MFA and continuous monitoring.

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IFA for critical systems and expand gradually to avoid overwhelming users or infrastructure. Focus on visi  
e importance of Zero Trust to reduce resistance and build trust. Start with high-impact measures like MFA  
before implementing controls. Automate compliance checks and access policies to reduce manual overha  
checks, then scale to comprehensive policies. Engage users early through education to build acceptance.  
levice verification, then scale to comprehensive policies. Invest in visibility—know your users, devices, an