

STRENGTHENING SECURITY
POSTURE:

VULNERABILITY ASSESSMENT FINDINGS





INTRODUCTION

The presentation is on the outcomes of the vulnerability assessment and proposed strategies for enhancing the organization's security posture.

The discussion will be on the findings obtained from the assessment, including results from Nmap scanning and Wireshark packet capture.



ASSESSMENT FINDINGS

Our vulnerability assessment revealed critical insights into potential security risks and vulnerabilities present within our organization's infrastructure.

The Nmap scan identified open ports and services, while the Wireshark packet capture revealed instances of unencrypted network traffic, posing potential risks of data interception.

NMAP SCAN RESULTS

Port 22 (SSH): Open

Port 80 (HTTP): Open

Port 443 (HTTPS): Open

These findings indicate potential entry points for attackers to exploit vulnerabilities within our system.



WIRESHARK PACKET CAPTURE

**Wireshark packet capture:
Identified instances of
unencrypted network traffic
between client and server.**

**Potential risks of data
interception and unauthorized
access highlighted.**





MITIGATION STRATEGIES

Proposed mitigation strategies:

**Implement firewall rules to restrict access to open ports and services.
Configure encryption protocols (e.g., TLS/SSL) to secure network communications.**

Conduct regular security audits and penetration tests to proactively identify and remediate vulnerabilities.

REMEDIATION PLAN

Recommended remediation plan:

Implement firewall rules and configure encryption protocols as per best practices. Conduct regular security audits to assess the effectiveness of implemented measures.

Assign responsibilities and set target timelines for completion of remediation efforts.



CONCLUSION

In conclusion, the vulnerability assessment has provided valuable insights into potential security risks and vulnerabilities within our organization.

By implementing the proposed mitigation strategies and remediation plan, we can strengthen our security posture and mitigate the risk of potential security incidents.



NEXT STEPS



Implement the recommended mitigation strategies and remediation plan.

Monitor the effectiveness of implemented measures and adjust as necessary.

Foster a culture of security awareness and proactive risk management within the organization.



Q & A





THANK YOU

