Cybersecurity Overview

Education
Training
Awareness

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Agenda

01 Malicious Actors

04 Motivation / Targets

02 Malicious Attacks

05 Emerging Risks & Threats

03 Critical Infrastructure

Malicious Actors

Black/Gray/White Hat Nation State Criminal Organizations

Script Kiddie

Insider Threats

Social Engineering

Hacktivists





Malicious Attacks & Cyber Threats

Current Top Threats

Compliance (because you have to, No, because you want to?)

Compliance = laws and regulations = penalties and fines

Data Privacy = Data Privacy Framework

Cybersecurity = Defense in Depth







NATIONAL COORDINATOR FOR CRITICAL INFRASTRUCTURE SECURITY AND RESILIENCE

Critical Infrastructure

Critical Infrastructure Sectors



https://www.cisa.gov/topics/critical-infrastructure-security-and-resilience



03



America's Cyber Defense Agency

NATIONAL COORDINATOR FOR CRITICAL INFRASTRUCTURE SECURITY AND RESILIENCE

SHIELDS UP!

https://www.cisa.gov/shields-up

Quick Tips

As the nation's cyber defense agency, CISA stands ready to help the nation prepare for, respond to, and mitigate the impact of cyber-attacks.



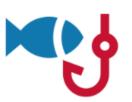
Protect all devices with Antivirus



Enable multi-factor authentication



Choose strong passwords passkey



Avoid Phishing scams



Shop at safe websites



Check website URL



Check your privacy settings



Remember to log off



Motivation & Targets 2025 Reports

- 01 IBM X Force Threat Intelligence 2025
 - · Add a brief subitem here.
- 02 CrowdStrike Global Threat 2025
 - Add a brief subitem here.
- 03 2025 Data Breach Report Verizon (infographic link)
 - Add a brief subitem here.
- 04 CompTIA State of Cybersecurity 2025
 - Add a brief subitem here.

Emerging Risks & Threats

Current Trends



Emerging

O1 Infostealers
Browser form information data

Ransomware
Encrypted system data held for the payment for the key

Third-Party
Internal and additional attack threats, vulnerability, and risk. Outside responsibility

Known Vulnerabilities
Known threats that go unaddressed or ignored

Compliance = Laws and Regulations



Compliance

Global, Federal, State, Industry, and Organization



Laws

Global, Federal, State, Industry Specific



Regulations

What is the difference?



Organization

Specific Policies, procedures, guidelines, and practices

Laws

Global

Country

State

Industry



Thank You