

# Cybersecurity Overview

Education

Training

Awareness

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# Agenda

**01**

**Malicious Actors**

**02**

**Malicious Attacks**

**03**

**Critical Infrastructure**

**04**

**Motivation / Targets**

**05**

**Emerging Risks & Threats**

# 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



03



***America's Cyber Defense Agency***

**NATIONAL COORDINATOR FOR CRITICAL INFRASTRUCTURE SECURITY AND RESILIENCE**

# Critical Infrastructure

Critical Infrastructure Sectors

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

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

03



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# SHIELDS UP!



Online resources for cybersecurity

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

<https://www.cisa.gov/resources-tools/resources/free-cybersecurity-services-and-tools>

# 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

01

## Infostealers

Browser form information data

02

## Ransomware

Encrypted system data held for the payment for the key

03

## Third-Party

Internal and additional attack threats, vulnerability, and risk. Outside responsibility

04

## 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**