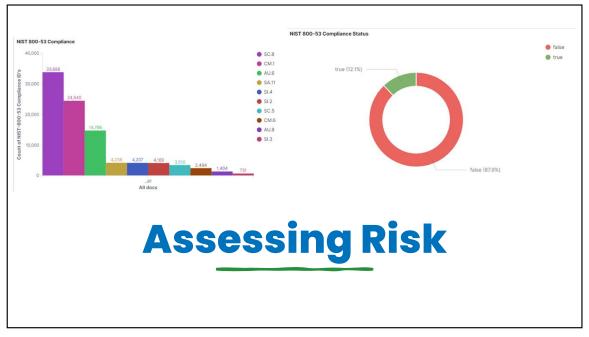
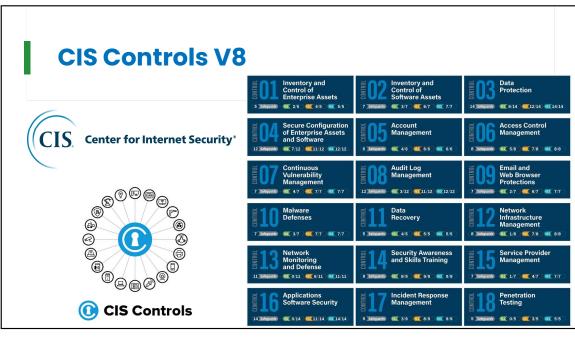
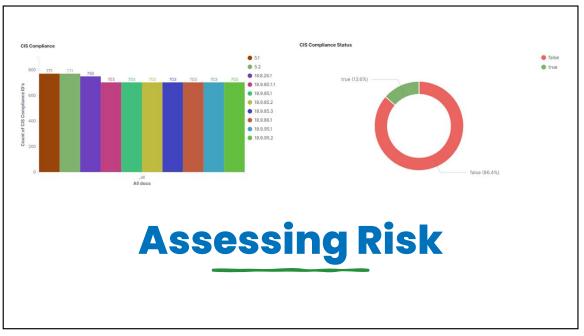




- **Identify:** You can't properly execute the other core pieces of the framework if you haven't spent time identifying ALL your data/tech.
- **Protect:** Once you've identified everything, creating a **RESILIENT** strategy is possible. This goes far beyond anti-virus and firewalls...
- **Detect:** This is where tools/systems have evolved and it's where most companies are lacking. The <u>average</u> time to detect a breach is currently **200 DAYS!**
- Respond: Having a response plan BEFORE a crisis is critical to avoid panic, mistakes and increased LIABILITY.
- **Recover:** A proper recovery plan includes ensuring key systems and data have solid backup and continuity systems that are <u>tested frequently</u>.







## **Cyber Security vs. Cyber Resilience**

## ASSET INVENTORY

- ASSET INVENTORY
  ASSET INVENTORY
  INTERNET ACCESS CONTINUITY / DATA BACKUPS
  FILTERING/WEB CONTENT FILTERING
  SECURITY ASSESSMENT/PILSCANNING &
  COMPLIANCE SERVICES
  INTRUSION DETECTION SYSTEM (IDS)
  SECURITY AWARENESS TRAINING
  SECURITY AWARENESS TRAINING
  SECURITY AWARENESS TRAINING RESTRICTIONS
- → CYBERLIABILITY INSURANCE
- → DARK WEB RESEARCH
- DATA LOSS PREVENTION (DLP)
- DISK ENCRYPTION/PROTECTION
- → EMAIL ENCRYPTION/SPAM FILTERING ➔ EMAIL SECURITY (GATEWAY, MONITORING,
- MANAGEMENT, ETC) ENDPOINT DETECTION & RESPONSE (EDR) OR
- ADVANCED END POINT PROTECTION (EPP) → FIREWALL - MANAGED
- → INCIDENT RESPONSE/FORENSICS

## → INTERNET ACCESS CONSTRAINTS/DNS

- → LOG COLLECTION/SIEM
- → MANAGED DETECTION & RESPONSE (MDR)
- MOBILE DEVICE SECURITY
- → MULTI-FACTOR AUTHENTICATION
- → NETWORK MANAGEMENT
- PASSWORD PROTECTION/PASSWORD MANAGEMENT/PASSWORD POLICIES
- PATCH MANAGEMENT
- → PEN TESTING
- PHISH PREVENTION
- → PHISH TESTING

- → SECURE REMOTE ACCESS / VPN

- → SOCAAS/MANAGED SOC → SSO
- → THREAT HUNTING
- → USER BEHAVIORAL ANALYTICS
- → VENDOR MANAGEMENT & VENDOR SELECTION FOR ALL 3RD PARTY SECURITY VENDORS > VIRTUAL CISO
- → VULNERABILITY SCANS/VULNERABILITY
  - MANAGEMENT/RISK ASSESSMENT
- → WEB WHITELISTING
- → ZERO TRUST ARCHITECTURE











