TESCO METERING

CYBER SECURITY
Standards and Securing Your Data

TESCO's Meter School
TESCOOL
July 20-23, 2025

July 23, 2025
10:30AM – 12:00 PM
Alex Kobrenko

Top 10 biggest breaches in the USA

	Organization name	Sector	Known number of records breached	Month
1	Discord (via Spy.pet)	IT services and software	4,186,879,104	April 2024
2	Real Estate Wealth Network	Construction and real estate	1,523,776,691	December 2023
3	Zenlayer	Telecoms	384,658,212	February 2024
4	Pure Incubation Ventures	Professional services	183,754,481	February 2024
5	916 Google Firebase websites	Multiple	124,605,664	March 2024
6	Comcast Cable Communications, LLC (Xfinity)	Telecoms	35,879,455	December 2023
7	VF Corporation	Retail	35,500,000	December 2023
8	iSharingSoft	IT services and software	>35,000,000	April 2024
9	loanDepot	Finance	16,924,071	January 2024
10	Trello	IT services and software	15,115,516	January 2024

- Cyber standards : ISO 27001, NIST 800-53r3, SOC 2
- Knowing your organizations risks
- Backup and Recovery
- Reducing cyber risk with tools
- Identifying attack vectors for your organization
- Patch Management
- Securing IOT and SCADA
- Security first mindset
- Staying informed with latest threats

- NIST 800-53r3
- ISO 27001
- SOC 1 – 3
- PCI
- GDPR
- UL 2900
- NIST CSF
- - Coop And Cyber Insurance
- CIRCIA – Passed 2022, requires CISA to develop and publish rules for companies that provide critical infrastructure.

PROTECTING YOUR DATA

Knowing what kind of data you store, how its collected and accessed.

- ***Definition***: Protecting digital data from unauthorized access, corruption or theft

- Needed to safeguard sensitive information, maintaining privacy, and ensuring regulatory compliance

- How often can you take backups

- Local backups

- Off-Site backups

- Type of Backups

- Off-Line Backups

- How long can we afford to be down

- How long will it take to recover your data

- Where will you recover to

- What kind of data is stored

- Who is accessing your data

- What methods are used to secure access to data or resources

- Open incoming firewall ports

- Web / SFTP / public facing servers

- Data Exchange

- Pen Testing
- Email
- Endpoint Scanners
- End User
- Vendors
- Endpoints
- Exposed SCADA

- Get a baseline of devices
- Assign Responsibilities
- Patch Testing
- Maintain Update Schedule
- Software Standardization
- CVE – Critical Vulnerability and Exposure

Education Nest
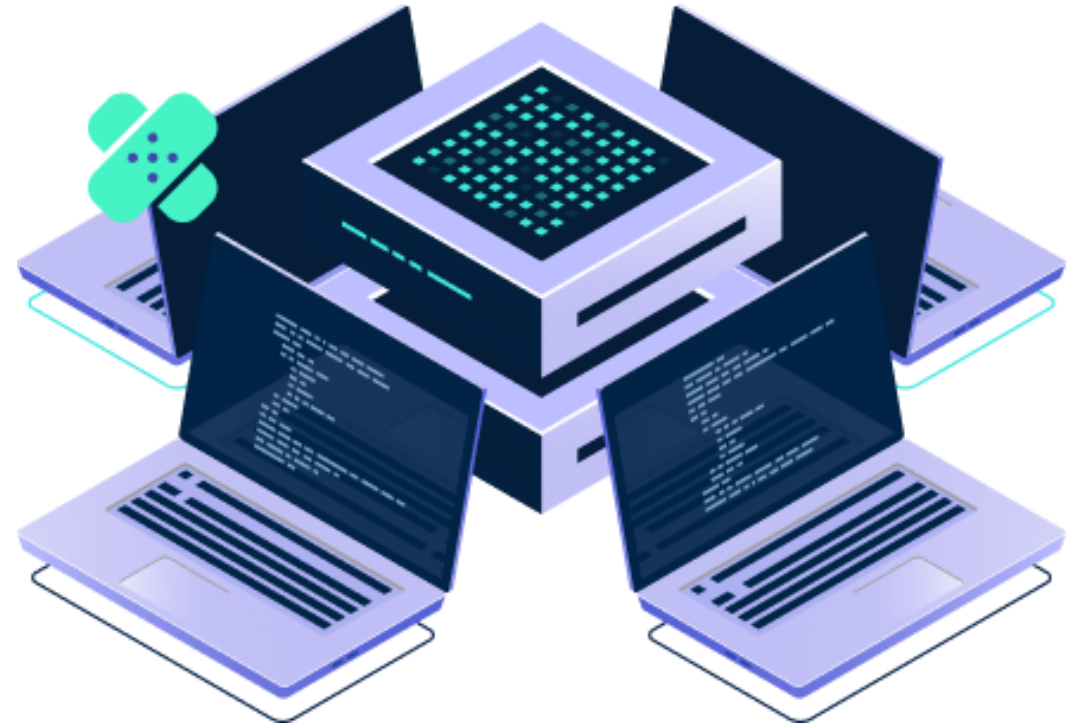
- Pen Testing

- Nessus Scanner

- cisa.gov

- haveibeenpwned.com

- Firewalls

- Anti-Virus , EDR , XDR

- RMM

- 2fa whenever possible

Please Take a Few Minutes To Provide Feeback About The Course & Instructor

Track 5 - Cybersecurity Standards and Protecting Your Data 72325
10:30AM Alex Kobrenko