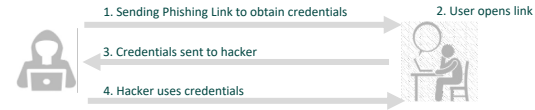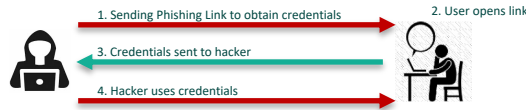# Top 8 Cyber Attacks 2024 and how to mitigate with XoT technology

Xertified

Top 8 cyberattacks in 2024 (1/2)*

Expected attacks and how to mitigate with XoT technology

Phishing Attack

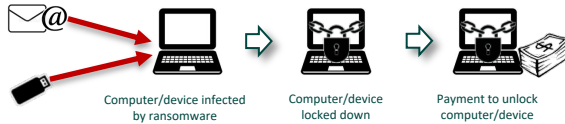Using deceptive emails, websites or applications to obtain sensitive information

1. Sending Phishing Link to obtain credentials
2. User opens link
3. Credentials sent to hacker
4. Hacker uses credentials

1. Sending Phishing Link to obtain credentials
2. User opens link
3. Credentials sent to hacker
4. Hacker uses credentials

REDUCING DAMAGE

Will not stop the actual attack but will significantly reduce effects and lateral movements

Ransomware

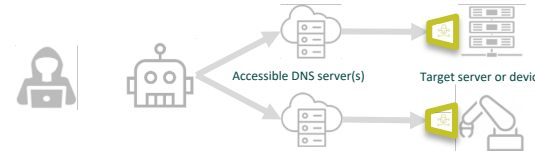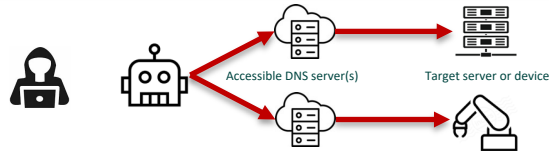Using malware to lock down data or a device through encryption

Computer/device infected by ransomware

Computer/device locked down

Payment to unlock computer/device

Computer/device infected by ransomware

Computer/device locked down

Payment to unlock computer/device

REDUCING DAMAGE

Will not stop the actual attack but will significantly reduce effects and lateral movements

Denial of Service (DoS)

Overloading a machine or a network so that it stops functioning

Accessible DNS server(s)

Target server or device

Accessible DNS server(s)

Target server or device

BLOCKING TRAFFIC

Protects the device or system from DoS attacks and makes them invisible to outsiders

Man-in-the middle

Manipulating communication between two parties without being noticed

Hacker, injecting data or reading communication

Hacker, injecting data or reading communication

SECURE TRAFFIC

Stops the attack as all traffic is encrypted and a hacker cannot see the devices or systems

Top 8 cyberattacks in 2024 (2/2)*

Expected attacks and how to mitigate with XoT technology

SQL Injection

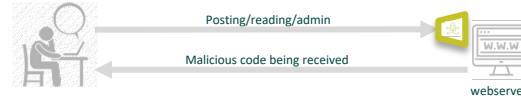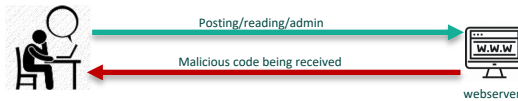Obtain access to the database through false communication / data

Sending false queries and commands

Receiving data
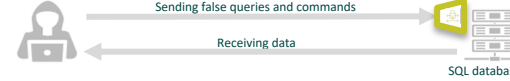
SQL database

ACCESS CONTROL

No queries will reach the SQL database other than from trusted users

Sending false queries and commands

Receiving data

SQL database

Cross-site Scripting

Infect websites to send malicious code to end-users

Posting/reading/admin

Malicious code being received

webserver

AUTHENTICATION

Stops any attacks from unknown or unauthorised users

Posting/reading/admin

Malicious code being received

webserver

Zero-day-Exploits

Using unknown vulnerabilities before fixes are available

2. An attack is launched

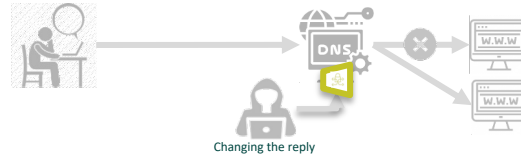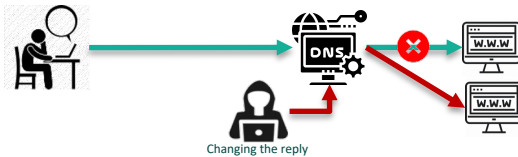0 days to mitigate

1. Hacker discovers a security flaw
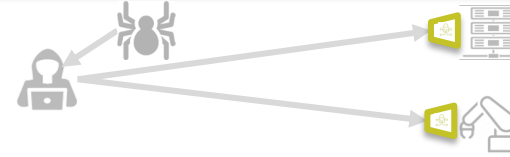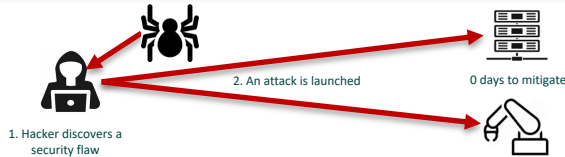
ACCESS CONTROL

Devices and systems are invisible to attackers and cannot be reached by unauthorised users

DNS spoofing

Using DNS queries to direct traffic to fake and malicious sites

DNS

Changing the reply

ACCESS CONTROL

Only trusted users can access the DNS server

DNS

Changing the reply

XoT Technology **delivered by Xertified**

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