Week 1: Breach Response Case Studies.

NIST Computer Security Incident Handling Guide

Actions :-

1.) Establish a formal incident Response policy.

2.) Create an incident response policy

3.) Develop an incident response plan based on the incident response policy

4.) Develop incident response procedures

5.) Establish policies and procedures regarding incident-related informati sharing.

6.) [illegible] when

6.) Consider the relevant [illegible] selecting an incident response team model

Incident Response Team Structure

1.) Team Model
2.) Team Model selection → Onsite using third Party.
3.) Incident Response Personnel
4.) Incident Response Team Service.

NIST Incident Response Lifecycle

Preparation → Detection & Analysis → Containment Eradiction Recovery

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Post-Incident Activity.

What is a Breach?

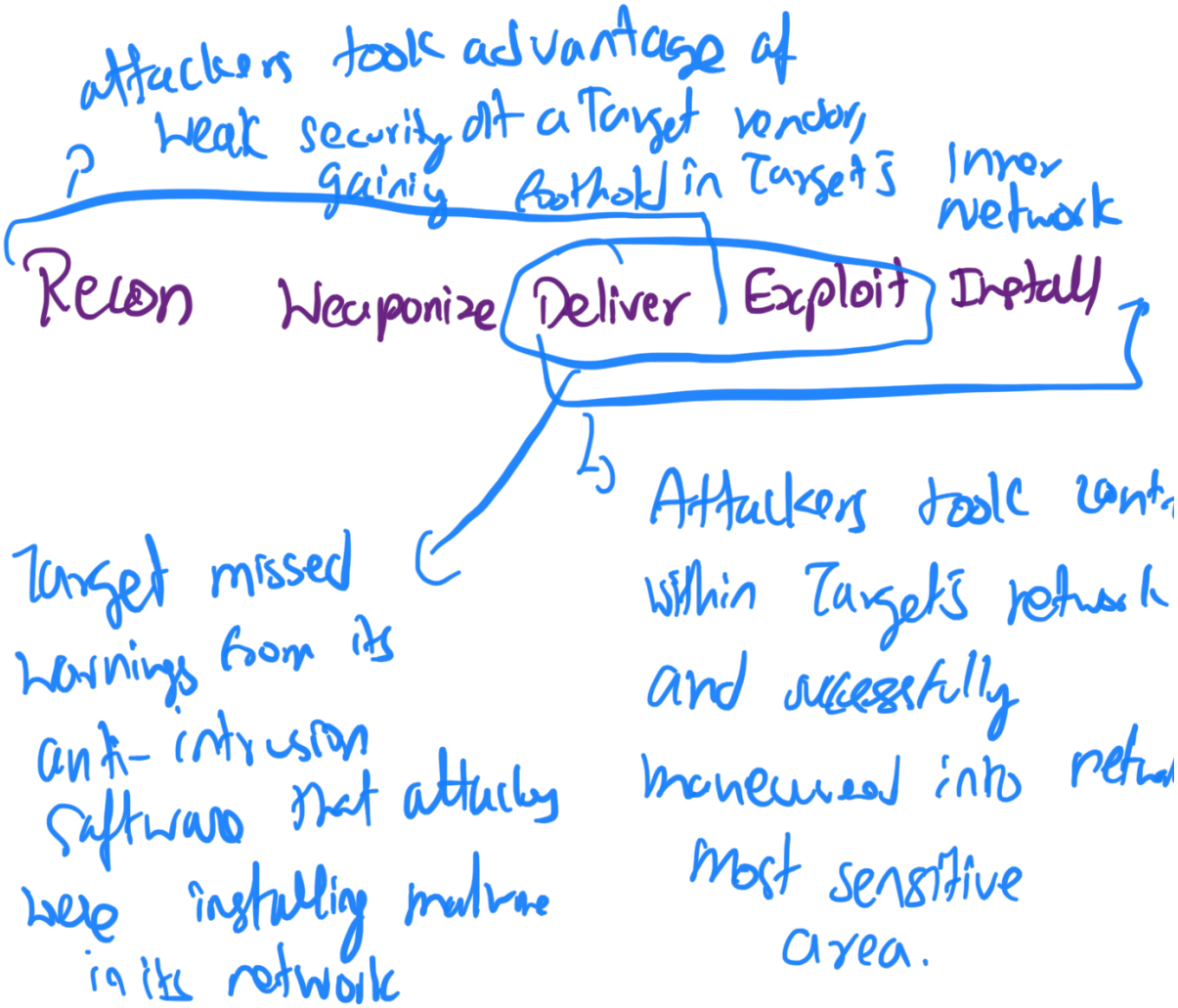
A data breach is the result of another security incident, whether it is an attack by hackers, a careless or malicious insider, or even an accident involving faulty processes or procedures

Data Breach → Organization Only
↳ Data inside and outside of the organization
↳ Technical Aspects.
↳ Communications.

Who should be involved?
→ Management team

→ legal personnel
→ Public Relations

Target Attack Timeline → Kill chain Timeline



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Target misled information provided by its anti-intrusion software about the attackers escape plan, allowing attackers to steal as many as 110 million customers records

Prevention

→ Security logs & events
→ Network Flow of Data
→ Vulnerability data
→ Network Topology
→ Asset profile with business context, risk, ownerships.

→ User behavior Analysis

→ Increased incident reports.

→ One incident can § analysis

→ Massive reduction of window of exposure.