

BLUE TEAMS

Deel 3





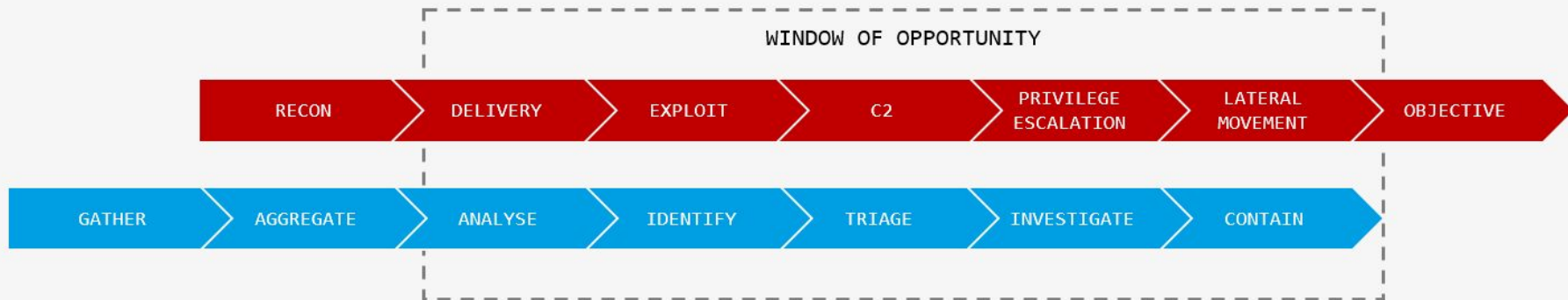


BLUE TEAM

- **Defensive Security**
- **Infrastructure protection**
- **Damage Control**
- **Incident Response(IR)**
- **Operational Security**
- **Threat Hunters**
- **Digital Forensics**



BLUE TEAM - Incident workflow



THE INCIDENT RESPONSE PLAN

1. Preparation
2. Detection & Analysis
3. Containment, Eradication, Recovery
4. Post-Incident Review
5. Update the plan !



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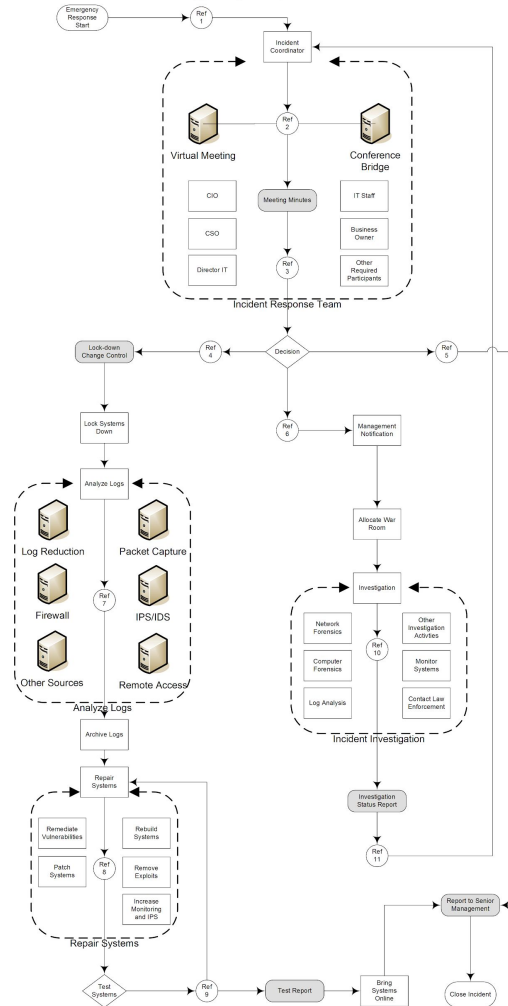
3 - CONTAINMENT, ERADICATION, RECOVERY

Protect the **Present**

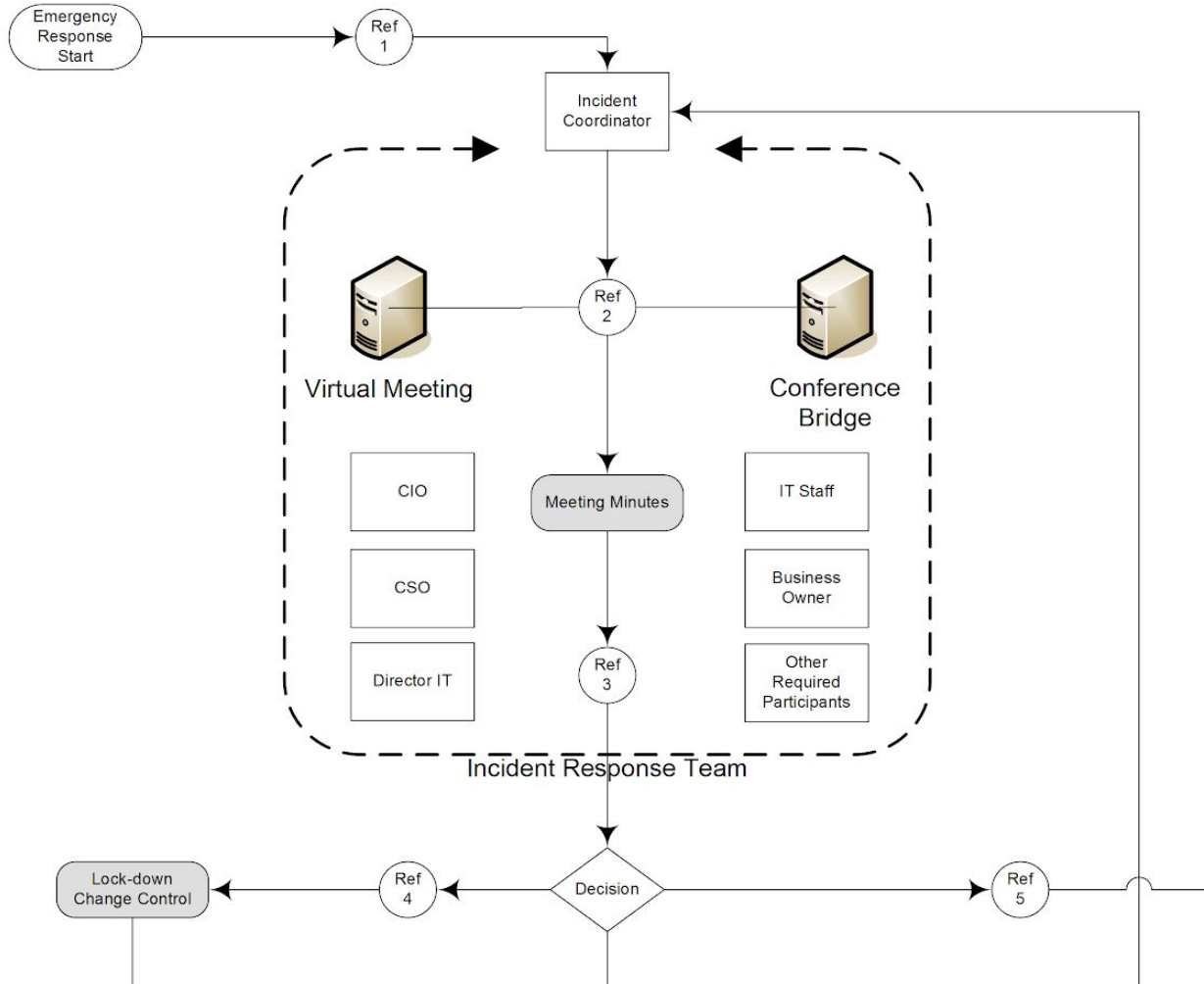
- Lock down systems
- Analyze logs
- Archive logs
- Repair/Rebuild systems
- Test Systems
- (repeat if needed)

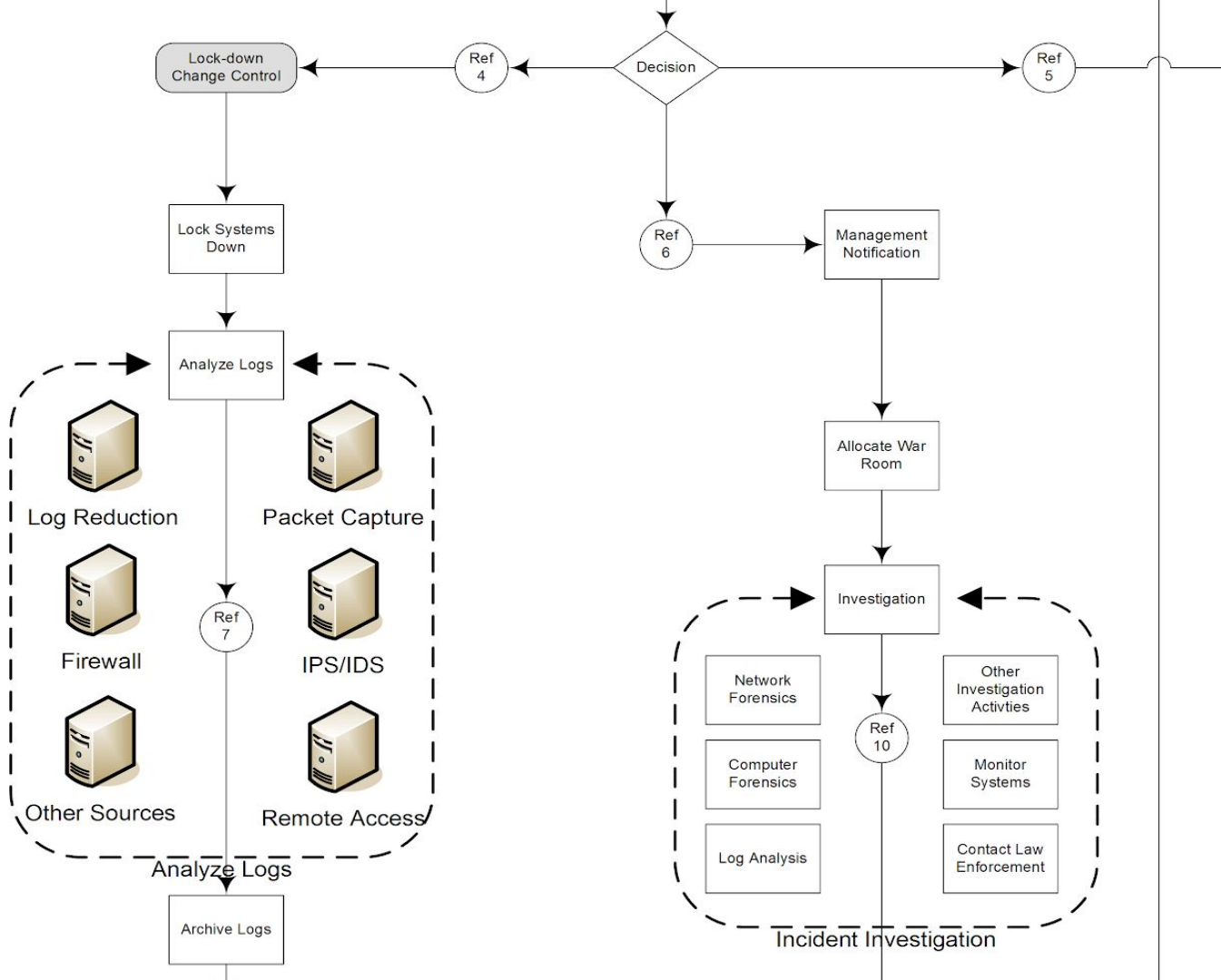
Recovered

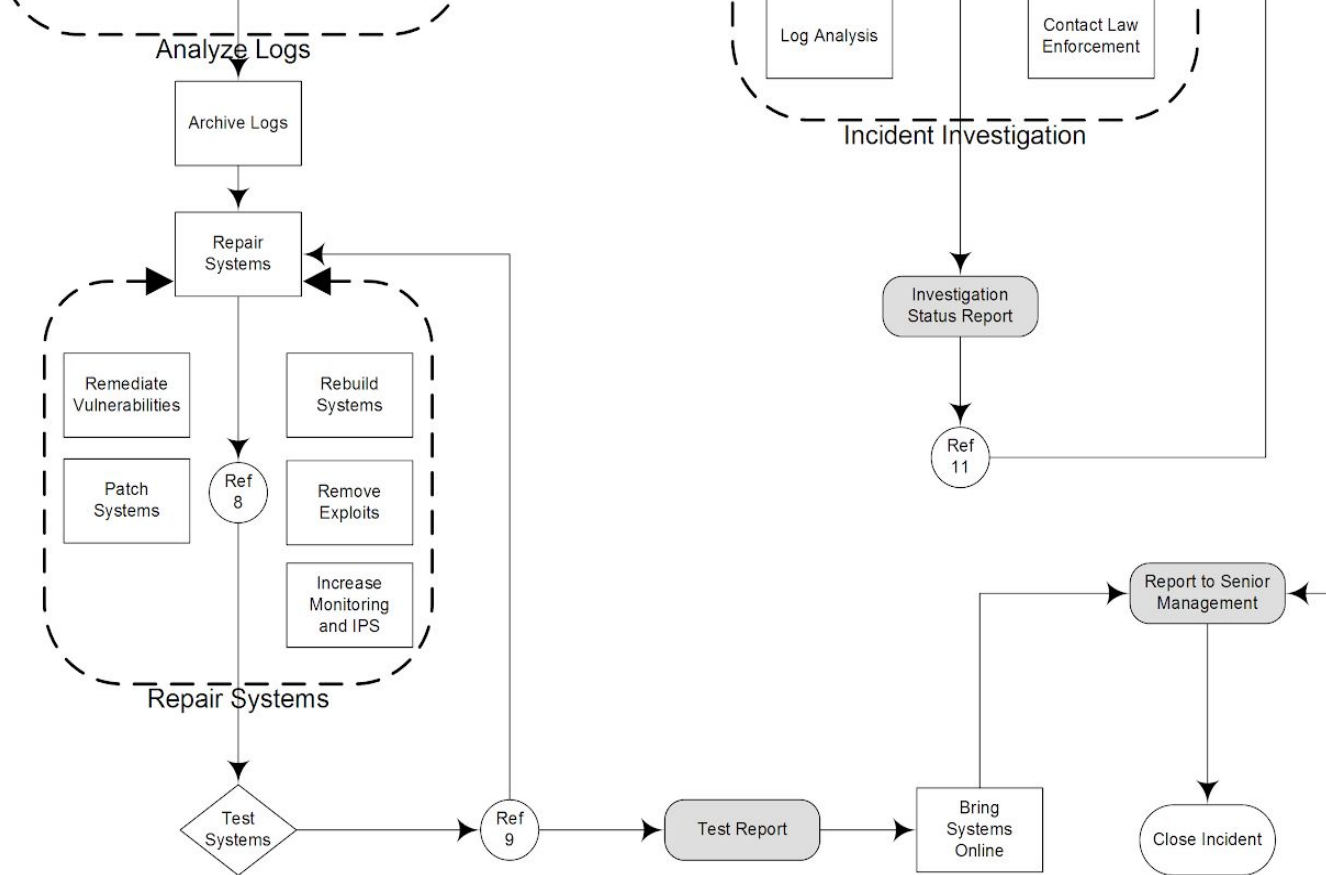
Emergency response detail



Emergency response detail







3 - CONTAINMENT, ERADICATION, RECOVERY

Protect the **Future**: Incident Investigation - Get the facts

- Network Forensics
- Computer Forensics
- Log Analysis

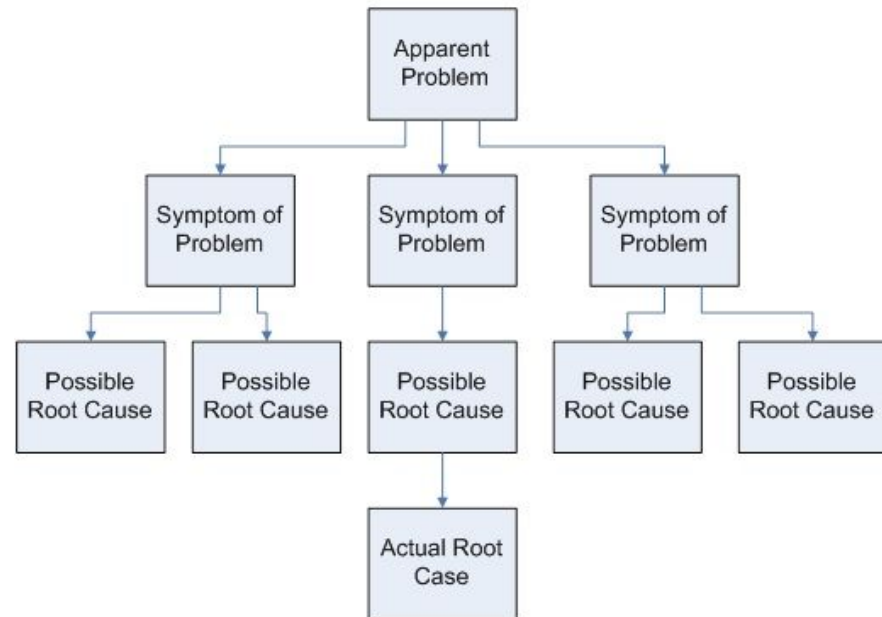


3 - CONTAINMENT, ERADICATION, RECOVERY

Protect the **Future**: Root Cause Analysis

- **Identify** and describe clearly the fault/problem.
- Establish a **timeline** (history of events) from normal situation until the fault/problem.
- **Distinguish** between the root cause and causal factors (e.g., using event correlation).
- Establish a causal graph between the root cause and the fault/problem.

Root Cause Analysis Tree Diagram



4 - POST-INCIDENT REVIEW

Investigation status report

- Discusses by Incident Response Team
- When satisfied -> Send to management
- **When all is given the OK -> Incident closed**

5 - UPDATE THE PLAN

AFTER-ACTION MEETING

Hold an after-action meeting with all Incident Response Team members and discuss what you've learned from the data breach.

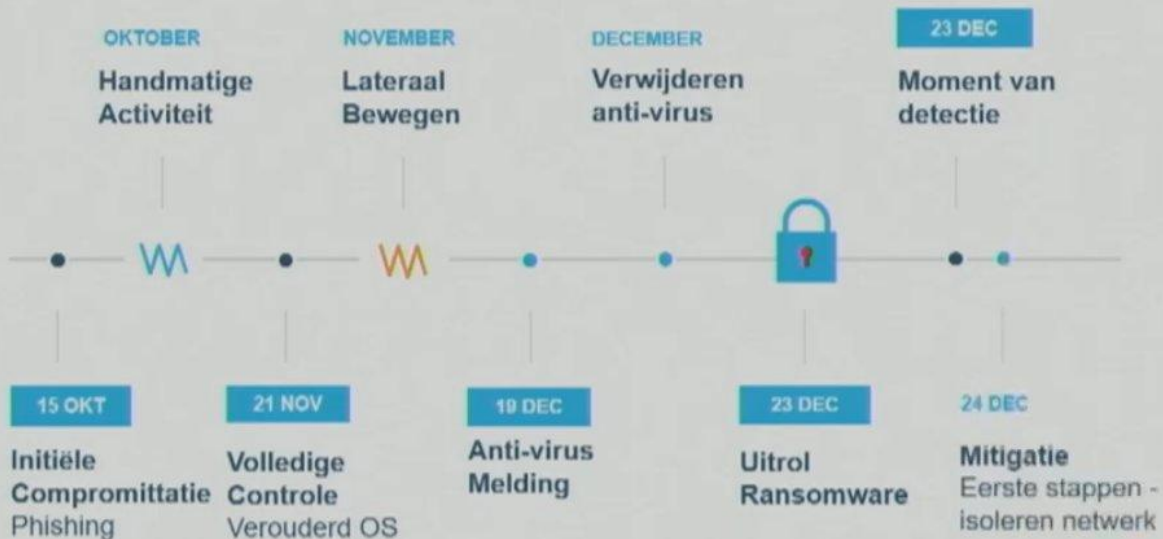
Determine what worked well in your response plan, and where there were some holes.

Questions to ask:

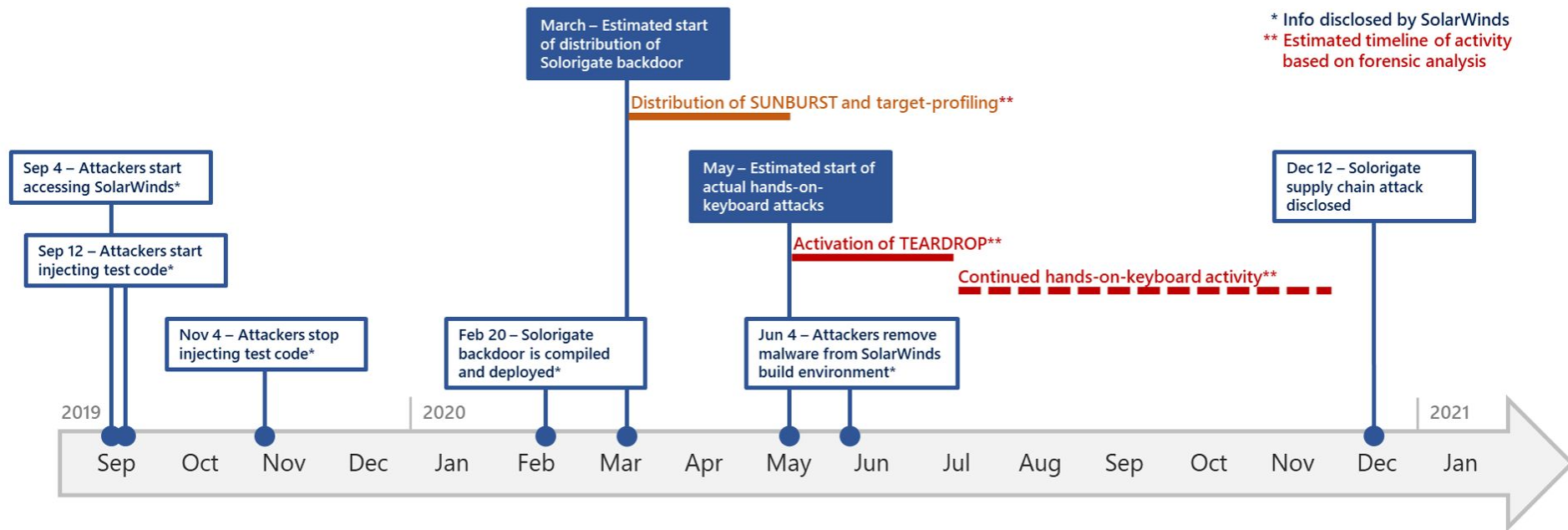
- What changes need to be made to the security?
- How should employee be trained differently?
- What weakness did the breach exploit?
- How will you ensure a similar breach doesn't happen again

INCIDENT RESPONSE - EXAMPLE

Incident Tijdlijn



INCIDENT RESPONSE - EXAMPLE 2



<https://www.microsoft.com/security/blog/2021/01/20/deep-dive-into-the-solorigate-second-stage-activation-from-sunburst-to-teardrop-and-raindrop/>

PLURALSIGHT VIDEOS



PLURALSIGHT

Pluralsight video: [link](#)

Relevant : Digital Forensics: The Big Picture

Pluralsight video: [link](#)

Relevant : Digital Forensics: Getting Started with File Systems

Pluralsight video: [link](#)

Relevant : Getting Started with Memory Forensics Using Volatility

Pluralsight video: [link](#)

Relevant : Network Security Monitoring (NSM) with Security Onion

