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    - 1113 Loss of Technology, eg, Computer Room, Network Services
    - 1114 Loss of People, eg, Illness, Death:
- 112 Recovery Objectives
- 113 Assumptions

Section Two – Incident Response and Management
- 21 Logical Sequence of Events
- 22 Local Incident Management Teams
    - 221 General Information
    - 222 Team Overview
    - 223 Local Incident Management Team
    - 224 Damage Assessment Team
    - 225 Regional Incident Management Team
    - 226 Threat Assessment Center
- 23 Incident Management Team Activities
    - 231 Local IM Team Activities
    - 232 Regional Incident Manager Activities
    - 233 Regional IM Executive Activities

Section Three – Notification, Escalation, and Declaration

Incident Response Playbook

This will leverage the IR Playbook developed in class. A draft of the Playbook will include:
- Ransomware Incident Playbook
- Ransomware (Overview)
- Isolate & Contain
- Identify the Variant
- Assess Data Impact
- Notify Authorities
- Engage Legal and Communication Teams
- Backup and Restore
- Don't Pay Ransom
- Conclusion

Threat Hunting Checklist

This will be developed based on class lectures and will include:

1   Preparation Phase:
- Identify and Document Objectives:
- Define the specific goals and objectives of the threat hunting exercise
- Assemble Threat Hunting Team:
- List the individuals and roles involved in the threat hunting process

2   Data Collection:
- Define Data Sources:
- Specify the sources of data to be monitored (logs, network traffic, etc)
- Data Aggregation:
- Detail how data will be collected and aggregated for analysis

3   Threat Intelligence Integration:
- Incorporate Threat Intelligence:
- Specify the threat intelligence feeds and sources to be used
- Determine how threat intelligence will be applied to enhance hunting

4   Tool and Technology Setup:
- Select Threat Hunting Tools:
- List the tools and technologies to be used for threat hunting
- Ensure they are properly configured and updated

5   Execution Phase:
- Continuous Monitoring:
- Outline the schedule and frequency of monitoring
- Specify the time duration for threat hunting exercises

6   Analysis Procedures:
- Behavioral Analysis:
- Describe methods for detecting abnormal behavior or deviations
- Signature-based Analysis:
- Explain how known threat signatures will be used in the analysis
- Anomaly Detection:
- Detail the approach for identifying anomalies in the data

7   Incident Response Planning:
- Incident Triage:
- Define the process for prioritizing and categorizing incidents
- Communication Plan:
- Outline how the team will communicate and escalate findings

8   Documentation and Reporting:
- Record Findings:
- Specify how identified threats and incidents will be documented

- Reporting Structure:
- Outline the structure and content of threat hunting reports
- Include key metrics and observations

9   Post-Threat Hunting Activities:
- Lessons Learned:
- Conduct a debriefing session to discuss lessons learned
- Continuous Improvement:
- Detail how the threat hunting process will be refined based on findings

10   Legal and Ethical Considerations:
- Ensure Compliance:
- Confirm that threat hunting activities comply with legal and ethical standards
- Privacy Measures:
- Detail how privacy of individuals and sensitive data will be protected

Threat intelligence with Heat Map
This will have two files to address this. One will be the pdf file of the Threat Intelligence connections to DRM, Strategic, Operational, People & Process, and Tactical from class. The other file will be information from the MITRE ATT&CK charts based on the known values from APT1, who was identified as being responsible for the RSA Security breach.

Tabletop Exercise Results
This will be driven from the class notes and execise, but the intial table of content is as follows:
1.   Objective of the Tabletop Exercise:
- Clearly state the goals and objectives of the exercise.
- For example, testing incident response procedures or evaluating team coordination.
2.   Scenario Description:
- Develop a realistic scenario that aligns with potential threats.
- Consider involving various departments and roles within the organization.
3.   Roles and Responsibilities:
- Define roles for participants and their responsibilities during the exercise.
- Include the security team, IT staff, and relevant stakeholders.
4.   Simulation Execution:
- Detail the step-by-step execution of the tabletop exercise.
- Include injects (simulated events) to prompt responses from participants.

SEIM Use Case
This will be driven from class notes, but the initial table of contents is as follows:
1. Introduction to SIEM:
- Brief overview of SIEM (Security Information and Event Management).
- Importance of SIEM in cybersecurity.
2. SIEM Use Cases:
- Identify and describe specific use cases relevant to your organization.

- Examples may include:
  - o Detection of abnormal login activity.
  - o Anomaly detection in network traffic.
  - o Malware detection and response.
3. Implementation Strategy:
   - Discuss how these use cases will be implemented in your organization.
   - Consideration of log sources, correlation rules, and incident response procedures.
4. Metrics and Key Performance Indicators (KPIs):
   - Define metrics to measure the effectiveness of each SIEM use case.
   - Establish KPIs for monitoring and improving security posture.

Incident Investigation Report
This is using the (Excel) template for an incident that was used as an earlier assignment and applying it to the incident from the class.

Incident Response Communications Plan
This communications plan will include:
1. Communications Channels:
   - Internal Communications
   - External Communications
2. Communication Protocols: Secure File Transfer
   - Escalation procedures
   - Escalation Contacts
   - Escalation Timelines
   - Escalation Criteria
3. Communication Plan
   - Internal Notification
   - Internal Communication
   - External Communications
   - Third Party Expert Engagement
   - Testing and Training

SOC Job Categories
An added document to document the expected knowledge, skills, and certifications for the new Security Operations Center.
- Tier 1 SOC Analyst
- Tier 2 SOC Responder
- Tier 3 SOC Threat Hunter
- Forensics
- Malware Reverse Engineering
- Threat Intelligence
- Engineering Support

GIT Repo of Team 8's current Library Files:

IncidentResponseTeam8 / lastname_Team8_FA_Lab3_Document_Outline.pdf

0xTestbuild / IncidentResponseTeam8

<> Code   Issues 1   Pull requests   Actions   Projects 1   Wiki   Security   Insights

Files

main

Go to file

README.md
lastname_Team8_FA_Communication_Escalation_Plan.docx
lastname_Team8_FA_Document_Library_Execsum.docx
lastname_Team8_FA_IncidentResponsePlan.pdf
lastname_Team8_FA_Incident_Investigation_Report.xlsx
lastname_Team8_FA_Incident_Response_Playbook.doc
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lastname_Team8_FA_SlideDeck.pptx
lastname_Team8_FA_Tabletop_Exercise.docx
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