

Sprint Backlog Grooming Meeting Minutes:

Attendees: Mateo Escobar, Nikohl Fuentes, Ryan Hamel, Sebastian Medina, Marian Mora

Start time: 6 P.M.

End time: 7 P.M.

The following user stories were created/discussed/refined/prioritized.

Discussed and prioritized:

User Story 2: Create a resource group in Azure to organize and contain the SOC lab resources (2 points).

User Story 3: Create a virtual network (VNet) in the same region as the resource group to provide network connectivity (3 points).

User Story 4: Create a Windows 10 virtual machine in the resource group and attach it to the virtual network (3 points).

Removing: No stories were replaced by other versions of the user story.

Added/Replaced:

User Story 5: Configure Azure Log Analytics to work in tandem with Microsoft Sentinel for centralized log aggregation and analysis (3 points).

User Story 6: Establish a virtual network (VNet) in Azure to simulate network traffic and establish connectivity with the Virtual Machine (2 points).

User Story 7: Verify that all required accounts are properly set up and accessible on our devices (1 point).

User Story 8: Implement network security groups (NSGs) to define and enforce access control policies for the virtual network and its associated resources (3 points).

User Story 9: Set up data ingestion connectors in Microsoft Sentinel to collect logs from various Azure resources, including virtual machines and storage accounts (4 points).

User Story 10: Install and configure Nmap on the virtual machine to conduct network scans and generate security event logs (3 points).

User Story 11: Utilize Wireshark to capture and inspect network traffic on the virtual machine for correlation with Sentinel log data (3 points).

User Story 12: Develop and implement tailored detection rules in Microsoft Sentinel to flag potential security threats, such as unauthorized access attempts (4 points).

User Story 13: Configure Microsoft Sentinel to send automated notifications when detection rules are triggered (3 points).

User Story 14: Develop a security playbook in Microsoft Sentinel using Logic Apps to automate responses to identified threats (4 points).

User Story 15: Design custom dashboards in Microsoft Sentinel for intuitive visualization of ingested logs and network activity (3 points).

User Story 16: Set up real-time monitoring in Microsoft Sentinel to observe ongoing alerts and live-streamed security events (2 points).

User Story 17: Configure role-based access control (RBAC) for Microsoft Sentinel to limit access to specific roles (2 points).

User Story 18: Implement multi-factor authentication (MFA) for accessing the Azure portal and Sentinel resources (3 points).

User Story 19: Simulate a brute-force attack using Nmap to validate detection rules in Microsoft Sentinel (4 points).

User Story 20: Perform regular log validation to ensure logs are being correctly ingested and parsed by Microsoft Sentinel (2 points).

User Story 21: Document the setup process and create a step-by-step guide for future use or replication of the SIEM setup (2 points).

User Story 22: Generate a report from Microsoft Sentinel summarizing detected threats, alerts, and system performance metrics (3 points).

User Story 23: Set up a Kali Linux Virtual Machine in Oracle VirtualBox for future security analysis and testing (3 points).

User Story 24: Review basic Nmap commands and their uses for network scanning (1 point).

User Story 25: Learn how Wireshark captures and analyzes network traffic (1 point).

User Story 26: Install Nmap on the Kali Linux VM and run a basic network scan to generate sample logs (2 points).

User Story 27: Install and open Wireshark on the Kali Linux VM to confirm it captures network packets (2 points).

User story 24: Explore the Microsoft Sentinel interface to understand its key features and navigation (1 point).

User Story 25: Research how Microsoft Sentinel collects and processes logs from different Azure services (1 point).

User Story 28: Install and verify that Microsoft Sentinel is enabled in the Azure environment (2 points).

User Story 29: Set up a test Log Analytics workspace in Azure to store security logs (2 points).

User Story 30: Connect a virtual machine (Kali) to the Log Analytics workspace to start collecting logs (2 points).

User Story 31: Configure a basic data connector in Microsoft Sentinel to collect logs from an Azure resource (2 points).

User Story 32: Use the Azure portal to view and confirm that logs are being collected in Sentinel (2 points).

Existing Stories:

User Story 1: Create a free Azure subscription using a personal email and credit card to establish the cloud environment (2 points).

User Story 2: Create a resource group in Azure to organize and contain the SOC lab resources (2 points).

User Story 3: Create a virtual network (VNet) in the same region as the resource group to provide network connectivity (3 points).

User Story 4: Create a Windows 10 virtual machine in the resource group and attach it to the virtual network (3 points).

User Story 5: Configure Azure Log Analytics to work in tandem with Microsoft Sentinel for centralized log aggregation and analysis (3 points).

User Story 7: Verify that all required accounts are properly set up and accessible on our devices (1 point).

User Story 8: Implement network security groups (NSGs) to define and enforce access control policies for the virtual network and its associated resources (3 points).

User Story 9: Set up data ingestion connectors in Microsoft Sentinel to collect logs from various Azure resources, including virtual machines and storage accounts (4 points).

User Story 10: Install and configure Nmap on the virtual machine to conduct network scans and generate security event logs (3 points).

User Story 11: Utilize Wireshark to capture and inspect network traffic on the virtual machine for correlation with Sentinel log data (3 points).

User Story 12: Develop and implement tailored detection rules in Microsoft Sentinel to flag potential security threats, such as unauthorized access attempts (4 points).

User Story 13: Configure Microsoft Sentinel to send automated notifications when detection rules are triggered (3 points).

User Story 14: Develop a security playbook in Microsoft Sentinel using Logic Apps to automate responses to identified threats (4 points).

User Story 15: Design custom dashboards in Microsoft Sentinel for intuitive visualization of ingested logs and network activity (3 points).

User Story 16: Set up real-time monitoring in Microsoft Sentinel to observe ongoing alerts and live-streamed security events (2 points).

User Story 17: Configure role-based access control (RBAC) for Microsoft Sentinel to limit access to specific roles (2 points).

User Story 18: Implement multi-factor authentication (MFA) for accessing the Azure portal and Sentinel resources (3 points).

User Story 19: Simulate a brute-force attack using Nmap to validate detection rules in Microsoft Sentinel (4 points).

User Story 20: Perform regular log validation to ensure logs are being correctly ingested and parsed by Microsoft Sentinel (2 points).

User Story 21: Document the setup process and create a step-by-step guide for future use or replication of the SIEM setup (2 points).

User Story 22: Generate a report from Microsoft Sentinel summarizing detected threats, alerts, and system performance metrics (3 points).

User Story 23: Set up a Kali Linux Virtual Machine in Oracle VirtualBox for future security analysis and testing (3 points).

User Story 26: Review essential Nmap commands, flags, and their functions for network scanning. (1 point).

User Story 27: Learn how Wireshark captures and analyzes network traffic. Test with a demo pcap file. (1 point).

User Story 28: Install Nmap on the Kali Linux VM and run a basic network scan to generate sample logs of network traffic. (2 points).

User Story 29: Install and verify that Microsoft Sentinel is enabled in the Azure environment (2 points).

User Story 30: Set up a test Log Analytics workspace in Azure to store security logs (2 points).

User Story 31: Connect a virtual machine (Kali) to the Log Analytics workspace to start collecting logs (2 points).

User Story 32: Configure a basic data connector in Microsoft Sentinel to collect logs from an Azure resource (2 points).

User Story 33: Use the Azure portal to view and confirm that logs are being collected in Sentinel (2 points).

The user stories below are completed.

User Story 1: Create a free Azure subscription using a personal email and credit card to establish the cloud environment (2 points).