

# Implementing Security Monitoring and Logging (4e)

Fundamentals of Information Systems Security, Fourth Edition - Lab 08

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Time on Task:

4 hours, 4 minutes

Progress:

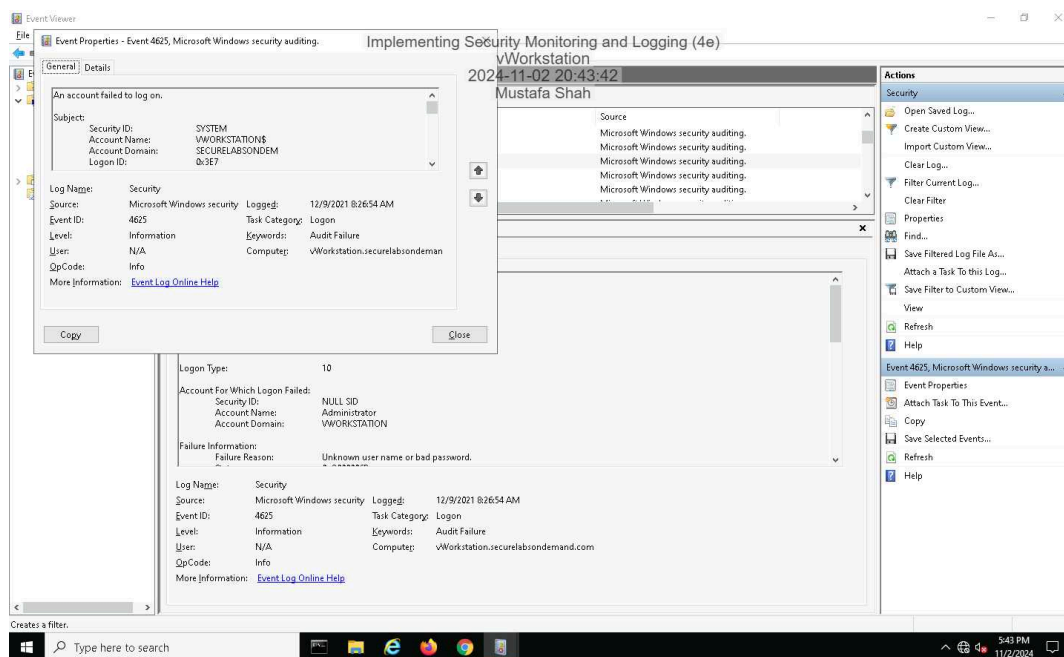
100%

Report Generated: Monday, November 4, 2024 at 8:53 AM

## Section 1: Hands-On Demonstration

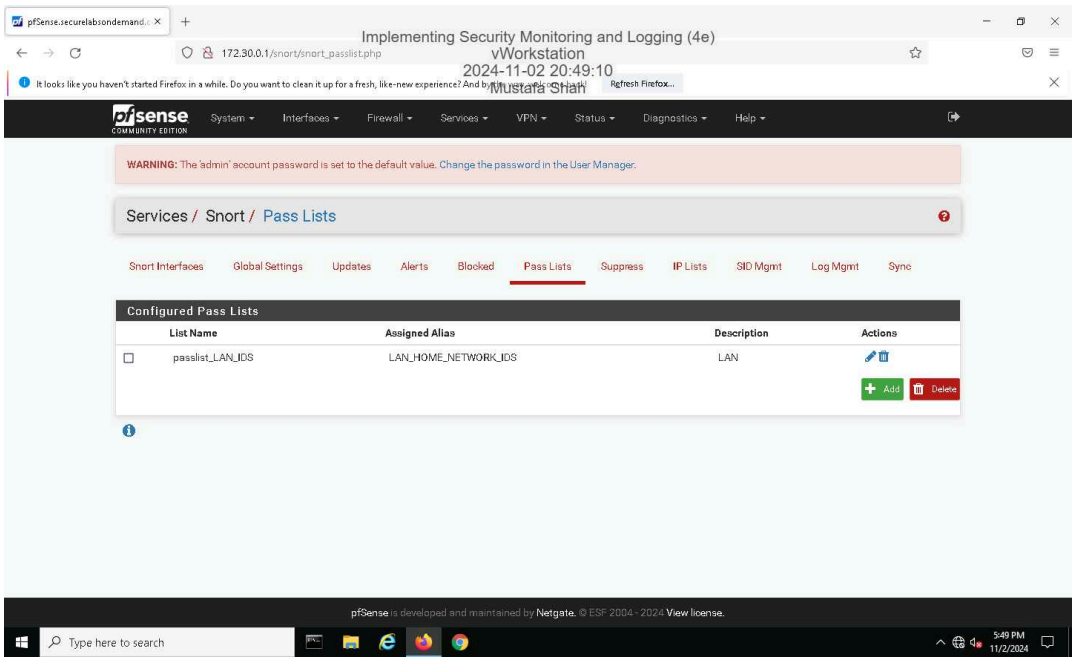
### Part 1: Identify Failed Logon Attempts on Windows Systems

8. Make a screen capture showing the **Security Event Properties** dialog box on the **vWorkstation**.

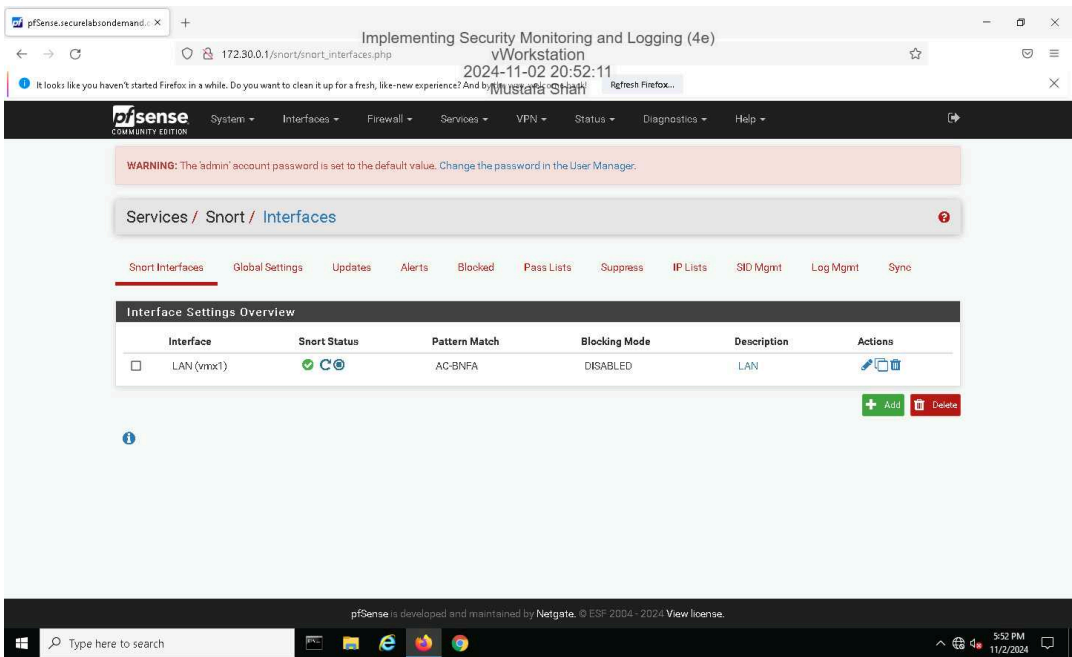


### Part 2: Monitor Network Activity with Snort

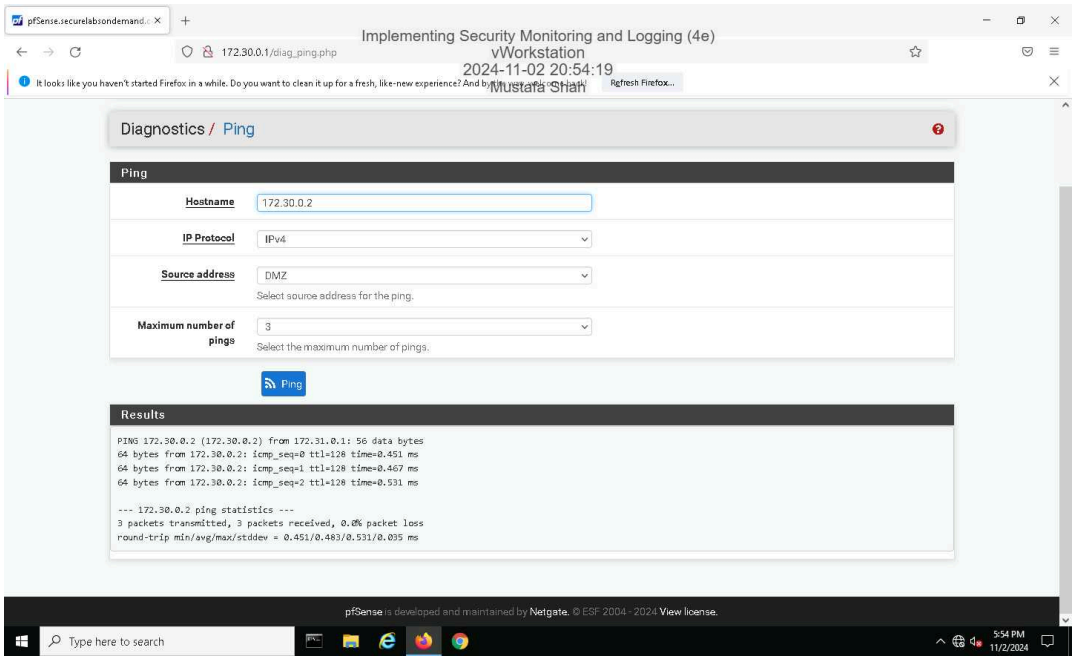
17. Make a screen capture showing the updated Pass Lists page.



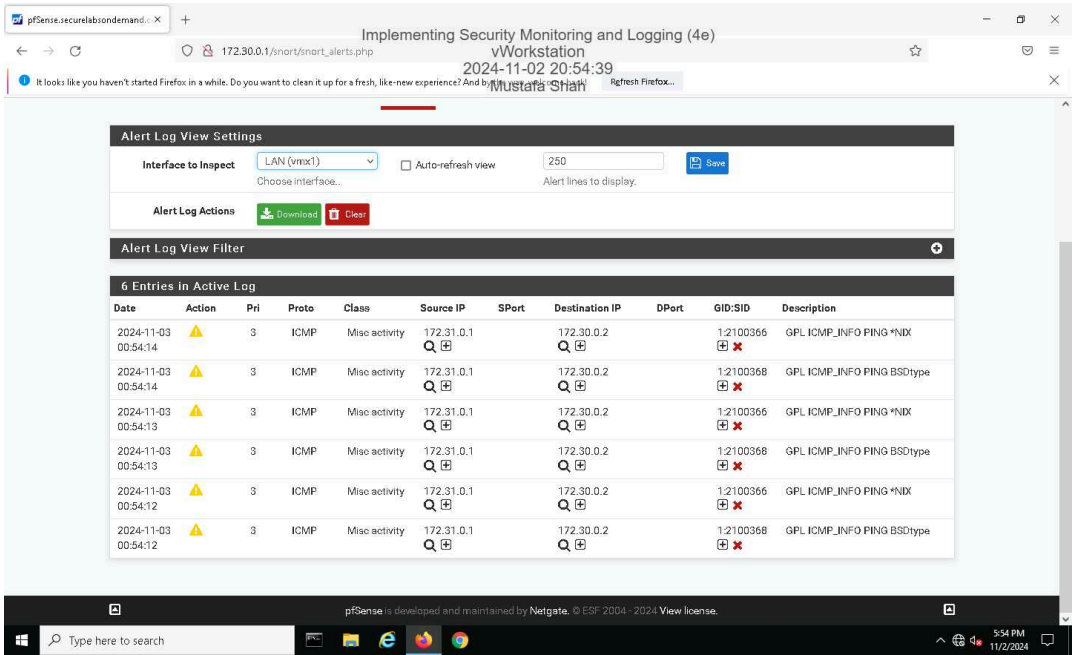
31. Make a screen capture showing the active Snort status on the LAN interface.



36. Make a screen capture showing the successful ping results.



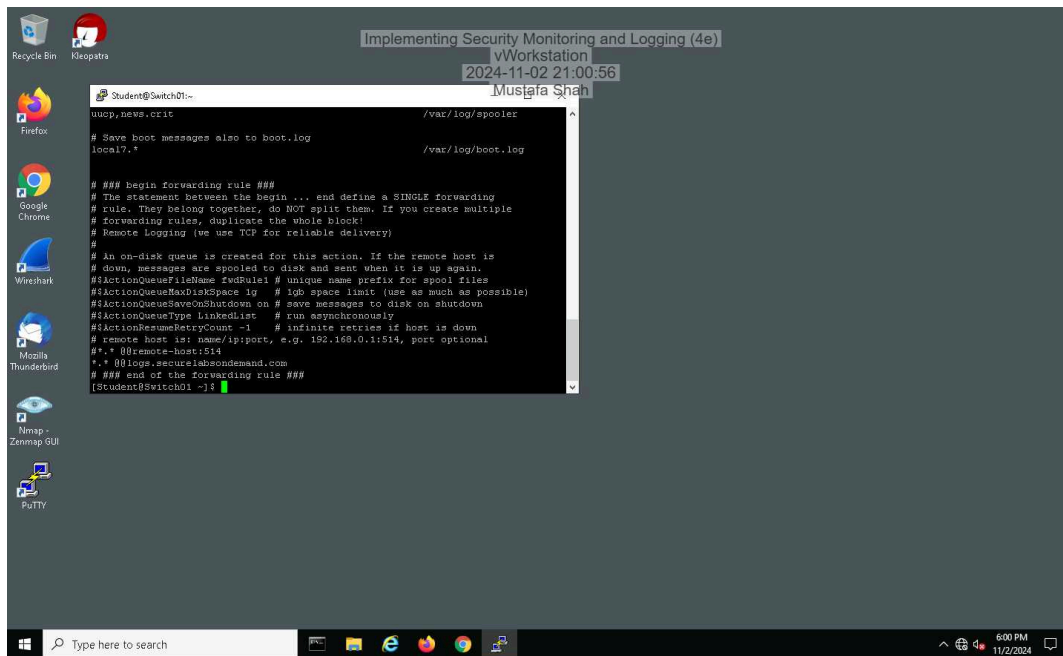
41. Make a screen capture showing the ICMP alerts in the Snort Active Log.



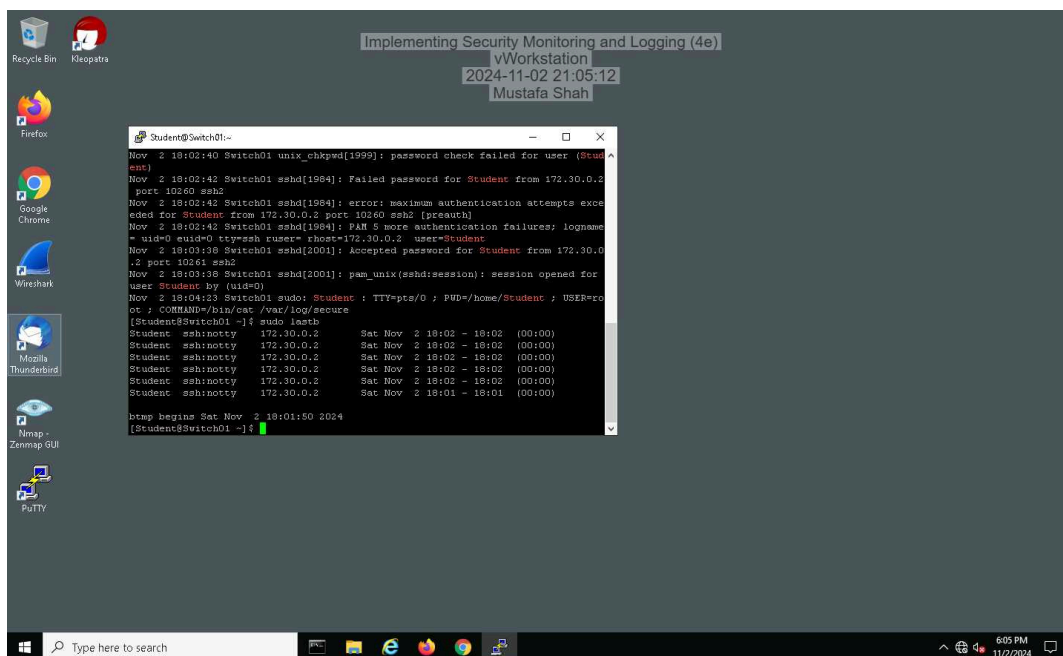
## Section 2: Applied Learning

### Part 1: Identify Failed Logon Attempts on Linux Systems

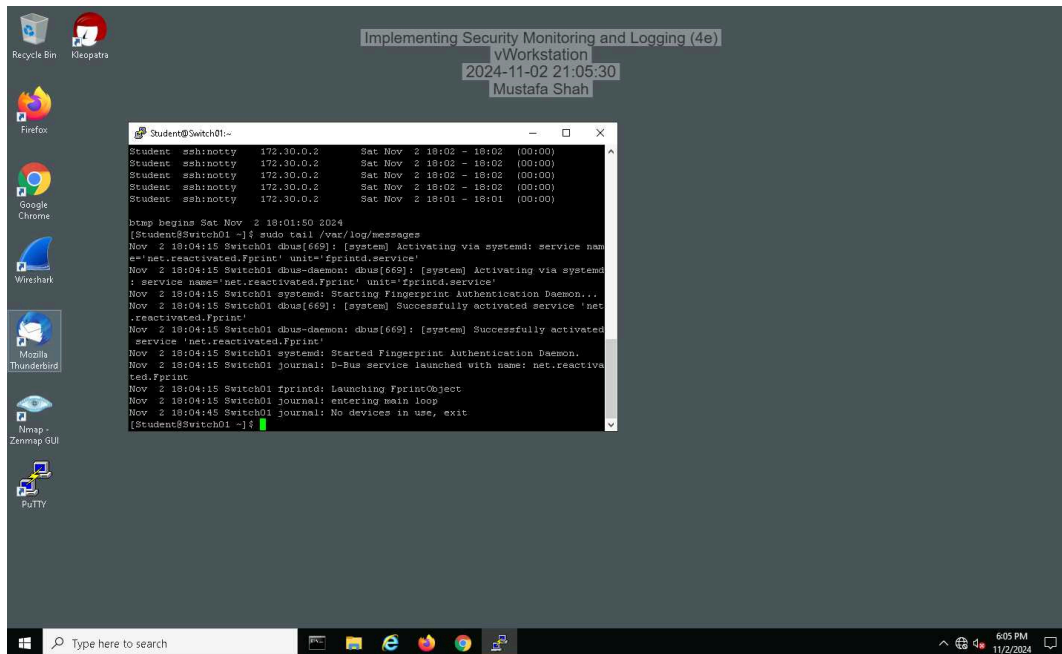
10. Make a screen capture showing the edited `rsyslog.conf` file.



20. Make a screen capture showing the failed login attempts.

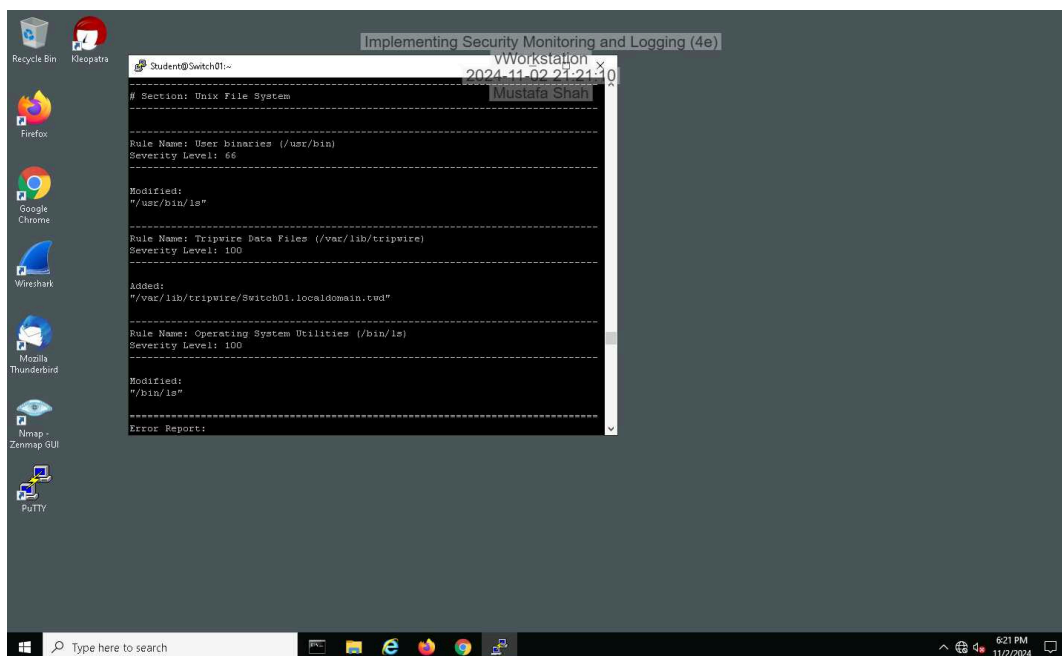


## 22. Make a screen capture showing the last 10 log messages.



## Part 2: Monitor File Integrity with Tripwire

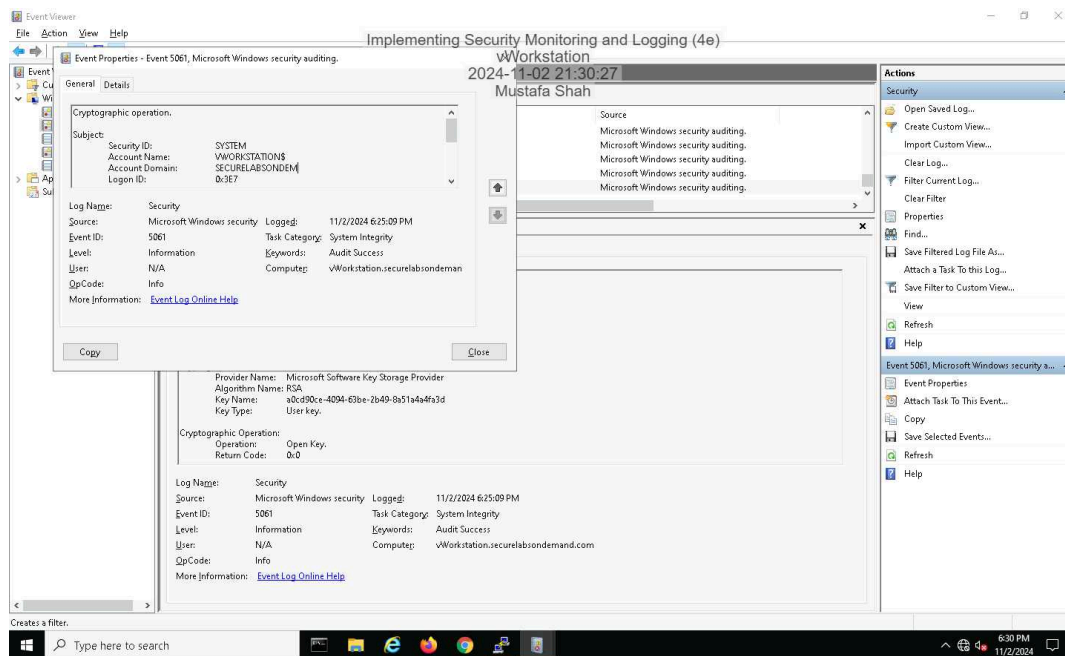
## 12. Make a screen capture showing the Object Summary section for the Tripwire report.



## Section 3: Challenge and Analysis

### Part 1: Identify Additional Event Types in the Event Viewer

Make a screen capture showing the **Security Event Properties** dialog box for an **Audit Failure** associated with **Event ID 5061**.



**Provide a brief explanation** of the operation that would generate a security event with Event ID 5061.

Event ID 5061 is related to the auditing of cryptographic operations in Windows. This event occurs when a protected process or a cryptographic key is accessed or used in an operation, such as encryption, decryption, or signing data. Event ID 5061 is logged when there's an attempt to use a cryptographic key that's managed by the Data Protection API (DPAPI), which is part of Windows' security to protect sensitive data.

### Part 2: Configure Snort as an Intrusion Prevention System

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**Make a screen capture** showing the **Legacy Blocking Mode** enabled on the LAN interface.

