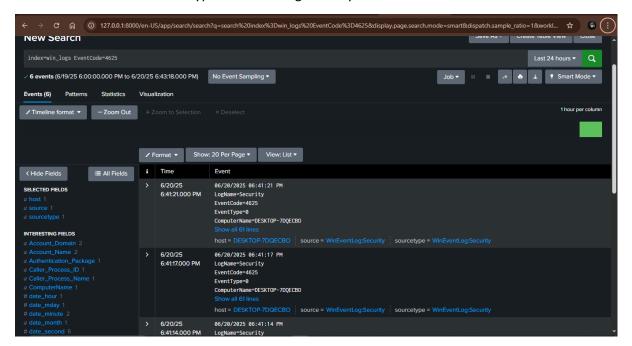
Simple Windows Log Analysis Using Splunk

Performed a basic analysis of Windows system logs using **Splunk in** window 10, identifying potential security anomalies and gaining insights into user and system behaviour.

- Access the dashboard via http://localhost:8000.
- Indexer IP (Splunk server)
- Monitored logs (choose: Security, System, Application)
- Enable Event Log Forwarding
- Ensure these logs are selected:
 - WinEventLog://Security
 - WinEventLog://System
 - WinEventLog://Application

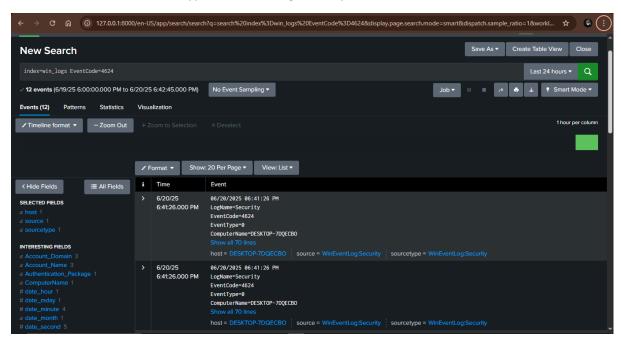
> Failed Logon Attempts

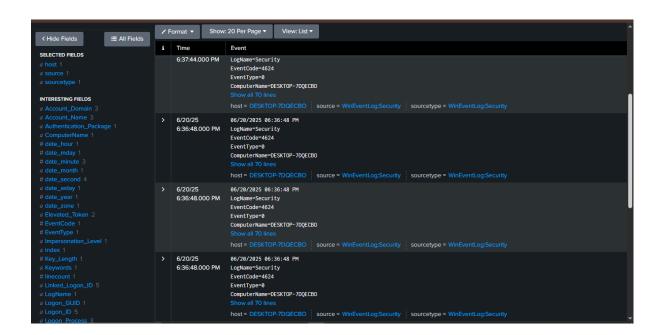
index=main sourcetype=WinEventLog:Security EventCode=4625

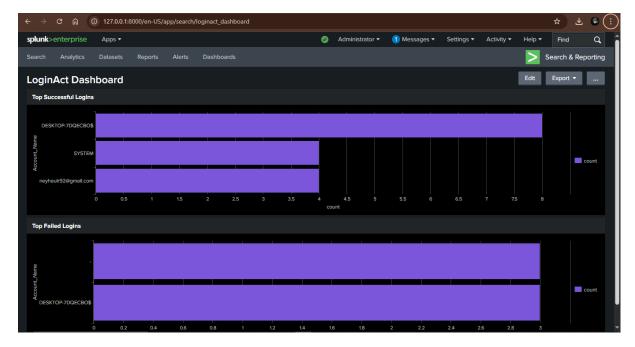


Successful Logons

index=main sourcetype=WinEventLog:Security EventCode=4624



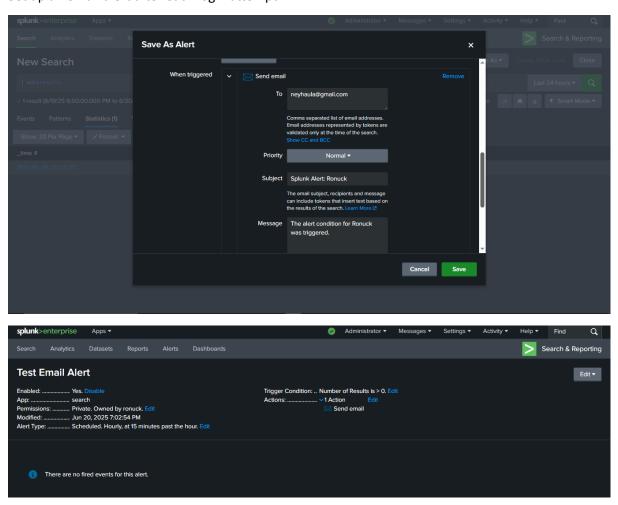


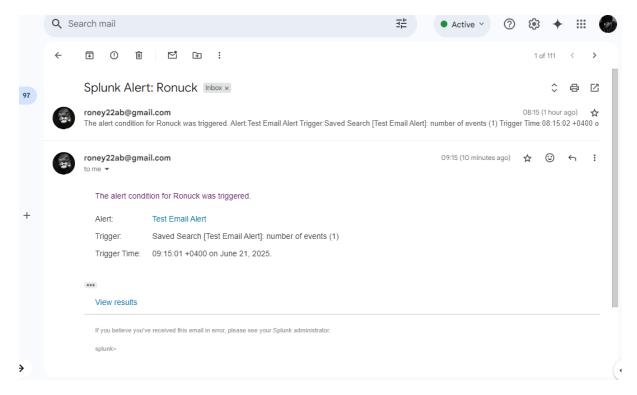


The dashboard LoginAct showing the bar chart result of the window logins

Observations

Set up an email alert after each login attempt





Proof of the alert created for logins

Observations

- High number of failed logon attempts with Status: 0xC000006D (bad username/password).
- PowerShell process triggered by non-admin user flagged for review.
- Enable account lockout policy after 5 failed attempts.
- Restrict PowerShell execution to administrator roles.
- Monitor off-hours logins with alerts.
- Schedule Splunk alerts for:
 - o Multiple failed logins in 15 mins every hour