

Splunk SOC Dashboard Projects

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This document highlights three SOC-ready security dashboards built in Splunk. Each project includes live log

ingestion, SPL query development, threat detection logic, and real-time visualization.

Projects included:

1. Windows Logon Activity Tracker
2. Failed Login Attempt Tracker
3. Brute Force Detection Tracker.

1. Windows Logon Activity Tracker

Tracks successful Windows logons over time using EventCode 4624. Visualizes which user accounts are logging in and when, making it easier to spot normal vs. abnormal activity.

Search Query:

```
index=* sourcetype="WinEventLog:Security" EventCode=4624  
| top Account_Name
```

The image shows a laptop screen displaying a Splunk search interface. The search bar contains the query: `index== sourcetype="WinEventLog:Security" EventCode=4624 | top Account_Name limit=10`. The results show 607 events from before 7/30/25 12:01:16.000 PM. The results table is as follows:

Account_Name	count	percent
SYSTEM	542	89.2
DESKTOP-04FGITB\$	476	78.4
WIN-A4T2F9690JG\$	77	12.6
MINWINPCS	50	8.2
juan	12	1.3
DIM-1	10	1.6
DIM-2	8	1.3
LOCAL SERVICE	5	0.82
UMFD-2	5	0.82
UMFD-8	0	0

The laptop's keyboard is visible at the bottom of the frame, showing standard layout keys like Esc, F1-F12, and function keys.

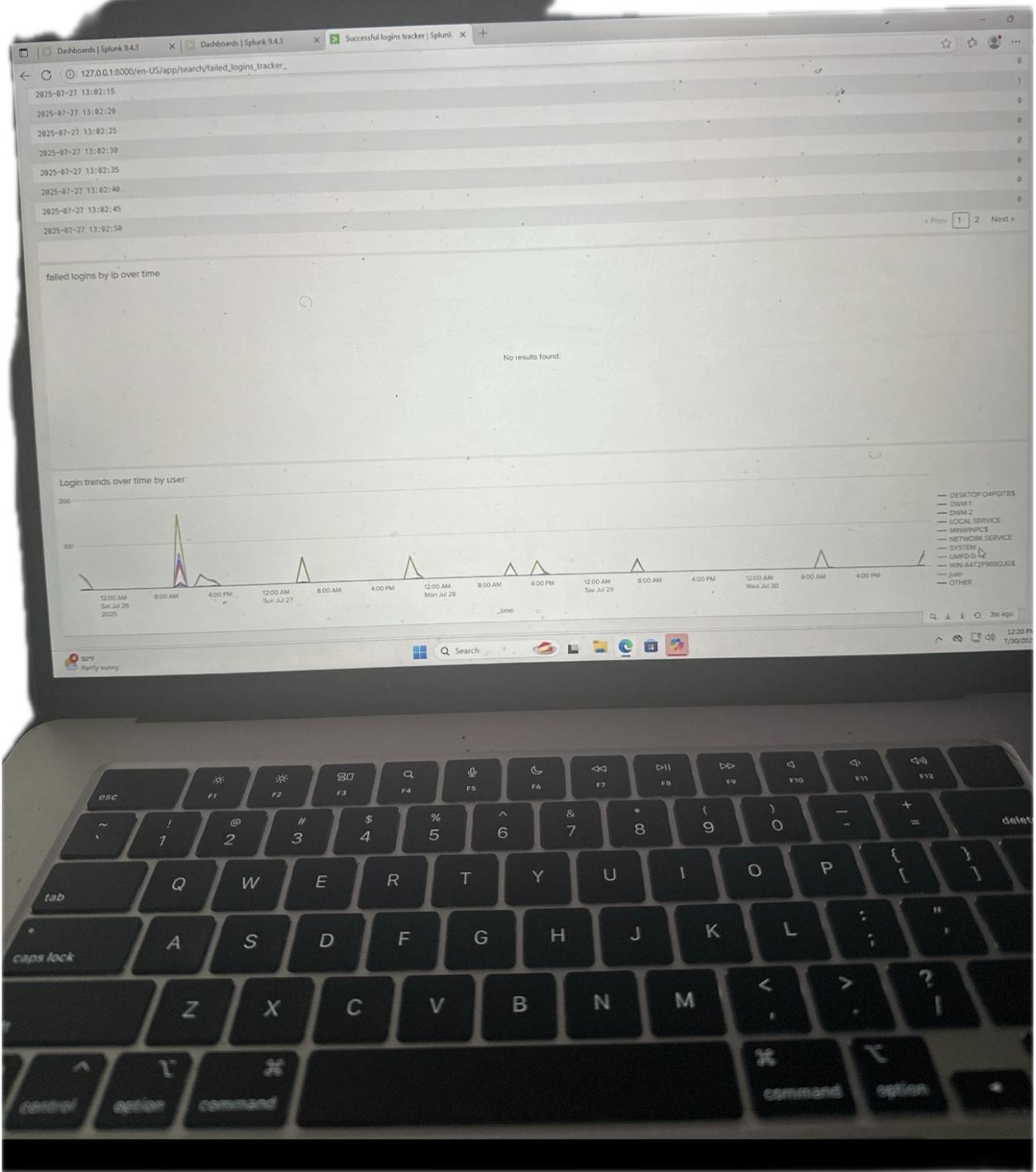
2. Failed Login Attempt Tracker

Monitors failed login attempts using Windows Security EventCode 4625. Helps detect authentication

issues and signs of unauthorized access attempts.

Search Query:

```
index=* sourcetype="WinEventLog:Security" EventCode=4625  
| timechart span=1h count by Account_Name3. Brute Force Detection Tracker
```



3. Brute force detection tracker

Detects brute-force login attempts by identifying users with more than 1 failed login events

(EventCode 4625) within a short time window. Includes bar chart visualization and alert-ready logic.

Search Query:

```
index=* sourcetype="WinEventLog:Security" EventCode=4625
```

```
| stats count by Account_Name, ComputerName
```

```
| where count > 1
```

