Incident Report- Brute Force Login Attempts

Date: September 28, 2025

Time: 9:55AM EST and 12:50PM EST

Prepared by: Singh H.- SOC Analyst

Incident ID: INC-001

1. **Executive Summary**:

   On September 28, 2025, multiple failed login attempts were detected from a single external IP address- 203.0.113.77. The attack pattern indicated a brute-force attempt targeting the admin account. Defensive actions included monitoring the attack source and preparing to block the IP if activity persisted. No successful compromise was observed.

2. **Incident Details**:

   - **Type of Incident:** Brute Force Attack
   - **Date:** September 28, 2025
   - **Time Detected:** 09:55AM EST and 12:50PM EST
   - **Source:** IP 203.0.113.77
   - **Target:** User admin account on system the Macintosh Server (Macbook)
   - **Indicators:**
     - 225 failed login attempts in the first attack at 09:55AM EST
     - 15 failed login attempts in the second attack at 12:50PM EST
     - Event logs from Elasticsearch/Kibana (screenshot attached)

3. **Impact Analysis**:

   - **Status:** Contained (no compromise detected)
   - **Affected Accounts:** None successfully breached
   - **Business Impact:** Low (detected in a lab/test environment, no production assets affected)

4. **Response Action Taken**:

   - Monitored failed login activity in Kibana dashboard
   - Correlated activity to a brute-force pattern
   - No escalation required

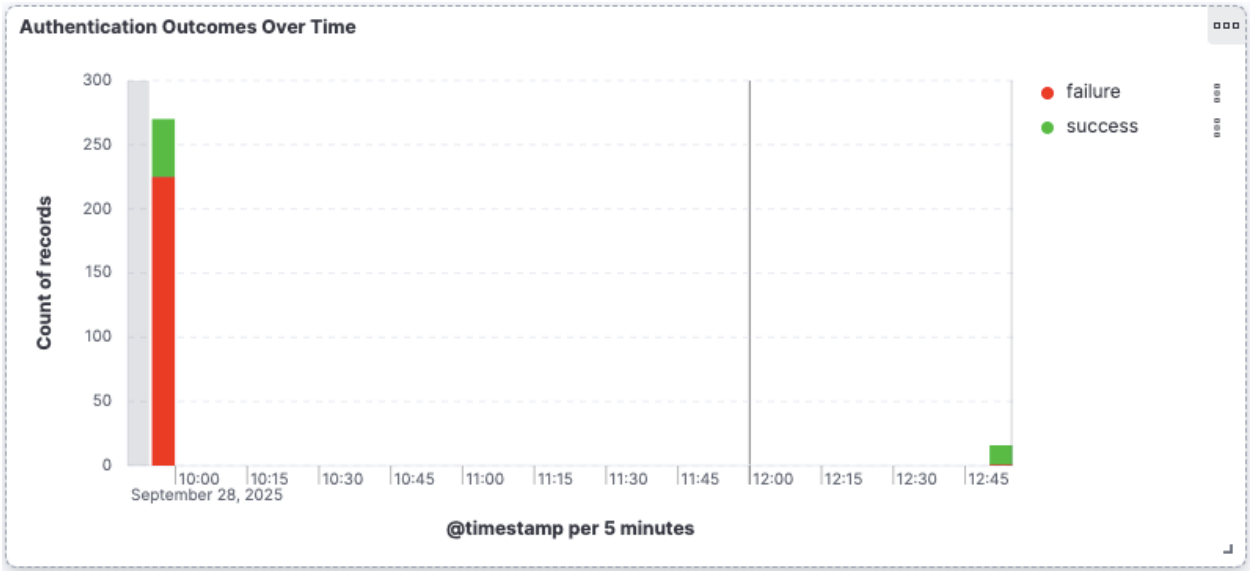
5. **Recommendations**:

   - Implement IP blocking for IP address: **203.0.113.77**
   - Rate limiting for repeated failed login attempts- no more than 3 attempts per account
   - Enable Multi-Factor Authentication (MFA) for privileged accounts
   - Add alert rules in Kibana to notify SOC staff when login failures exceed a threshold

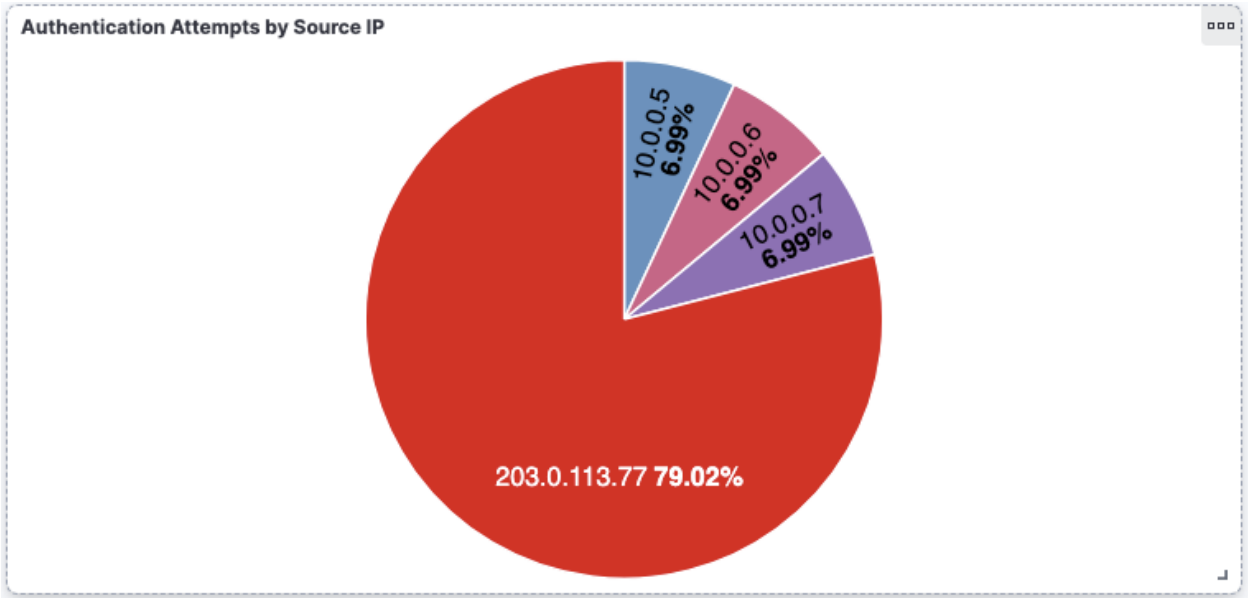
6. Attachments:

   Screenshot from Kibana Dashboard

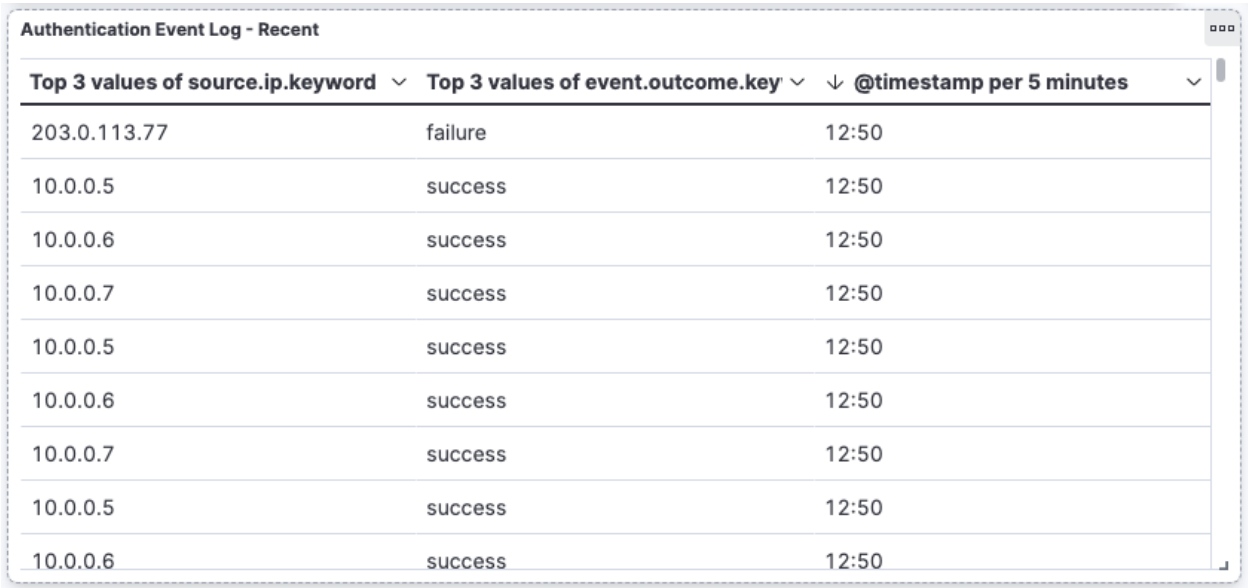
   Bar Graph: Authentication Outcomes Over Time:



Pie Chart: Authentication Attempts by Source IP



Screenshot of Log Table- Detailed Table in the attached .xlsx file:


Authentication Event Log - Recent

Top 3 values of source.ip.keyword	Top 3 values of event.outcome.key	@timestamp per 5 minutes
203.0.113.77	failure	12:50
10.0.0.5	success	12:50
10.0.0.6	success	12:50
10.0.0.7	success	12:50
10.0.0.5	success	12:50
10.0.0.6	success	12:50
10.0.0.7	success	12:50
10.0.0.5	success	12:50
10.0.0.6	success	12:50