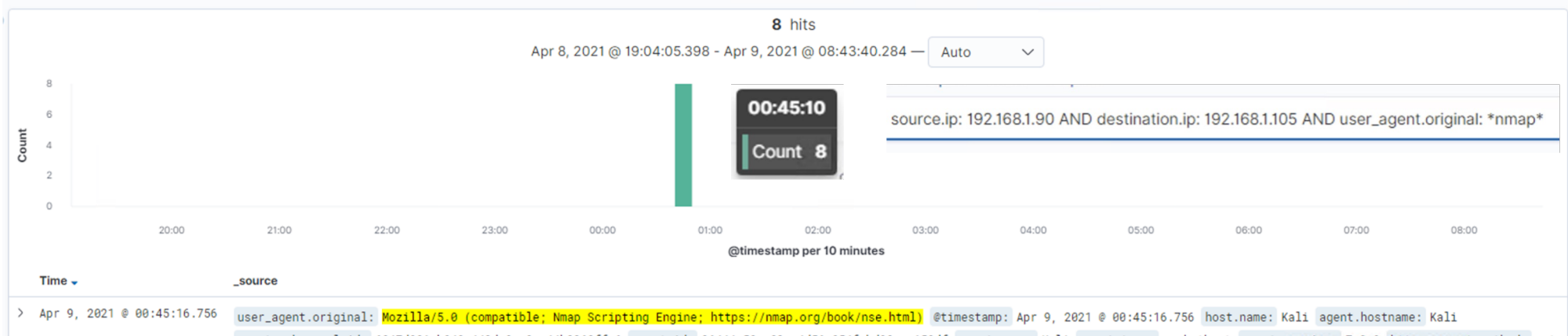


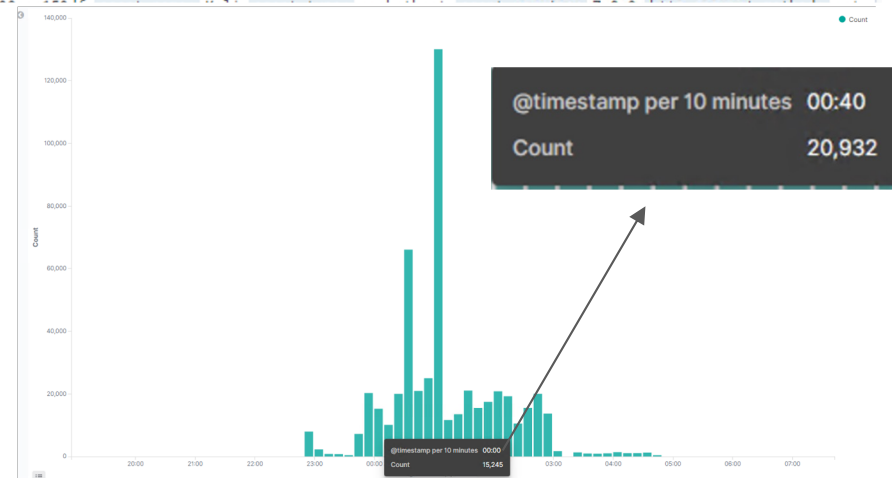
# **Blue Team**

## Log Analysis and Attack Characterization

# Analysis: Identifying the Port Scan



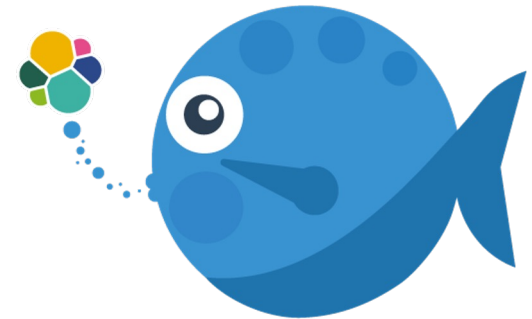
- We know the port scan occurred at 0:45 on 04-09-2021 from 192.168.1.90
- After analyzing the network flow, we can approximate that 20,932 packets were sent during the scan.
- The user\_agent was used to indicate that a port scan occurred by utilizing nmap (top).
- The network\_flow indicated the amount of packets sent (right).



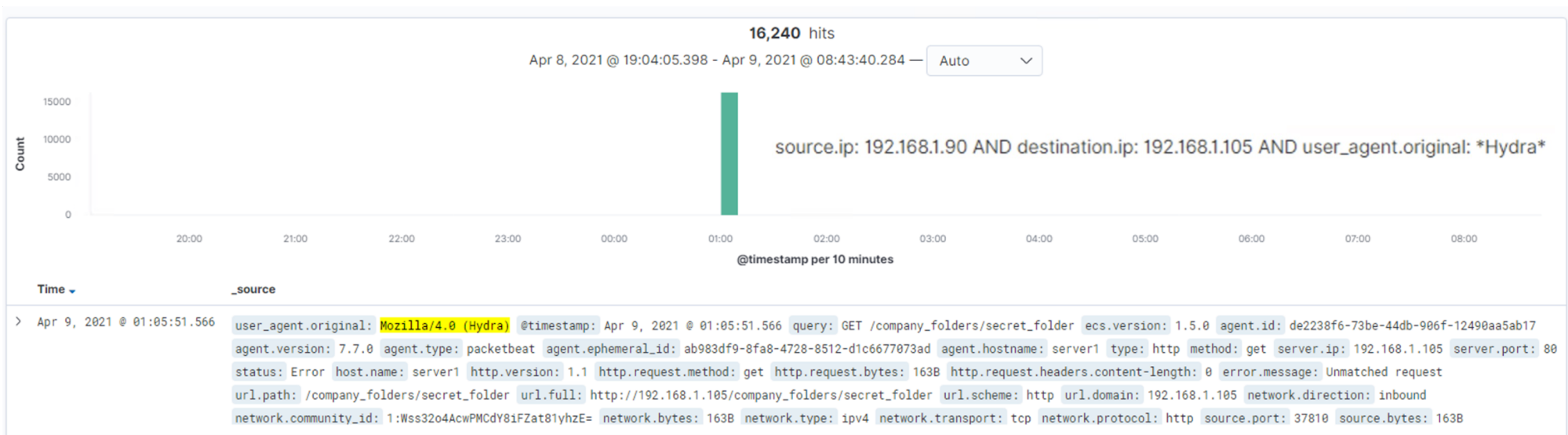
# Analysis: Finding the Request for the Hidden Directory



- Requests for the hidden /secret\_folder/ directory started at 1:00pm
- 12 Requests total were made from IP address 192.168.1.90
- The Connect\_to\_corp\_server text file was the file that the attackers accessed.

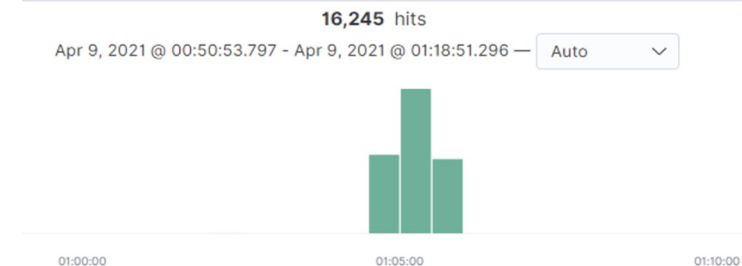


# Analysis: Uncovering the Brute Force Attack

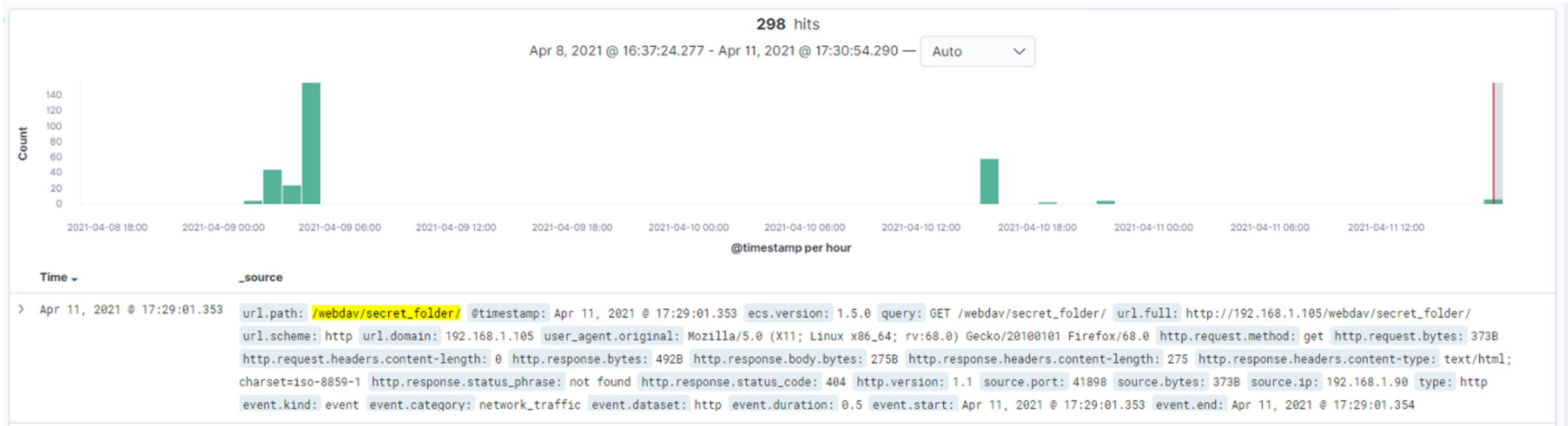


16,245 requests were made during the attack.  
16,240 requests were made by the attacker before the correct password was discovered.  
A user\_agent search was used to determine the attacking software used is Hydra (top)  
An http.status\_code: 401 search was used to determine the total attempts made (right).


## HTTP 401 Unauthorized



# Analysis: Finding the WebDAV Connection



- 298 requests were made to the /WebDav folder during the attack
- The files requested were the passwd.dav file and the webdav.php file
- The webdav.php was the malicious payload that granted remote access to the attacker.



# **Blue Team**

## Proposed Alarms and Mitigation Strategies