# Performing Incident Response By Using Cyber Kill Chain Framework With Splunk and Creating Yara Rule

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# Part One Cyber Kill Chain Framework With Splunk

#### 1- Reconnaissance Phase

After examining HTTP Logs and IDS Logs I found the following:

- Scan Activity
- Web Application Attack
- Attempted Administrator Privilege Gain

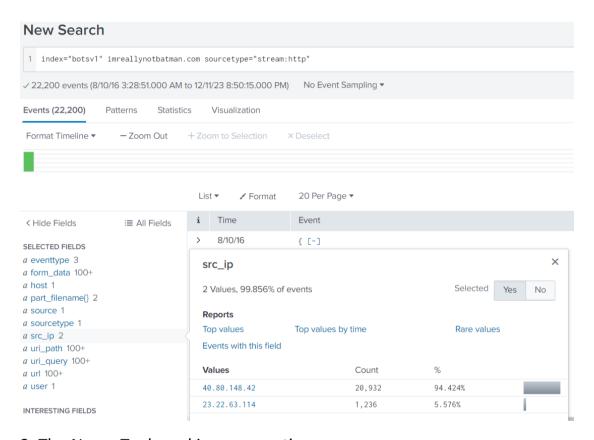
IP Address For Adversaries: 40.80.148.42

Scan Tool: Acunetix web application scan

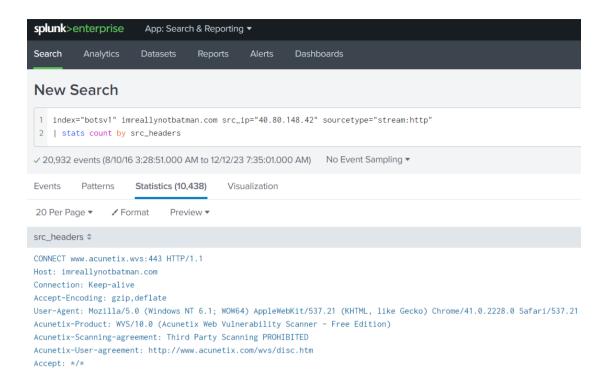
Attacker Use The Vulnerability CVE-2014-6271 to Gain Access to web server

• The Evidence and Search Query

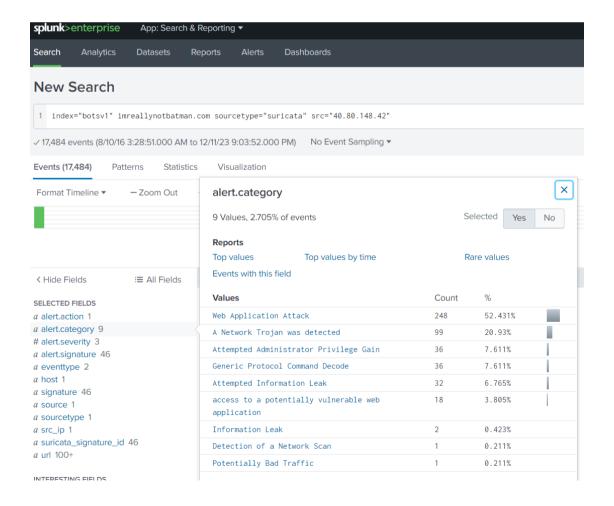
# 1.Scan Activity



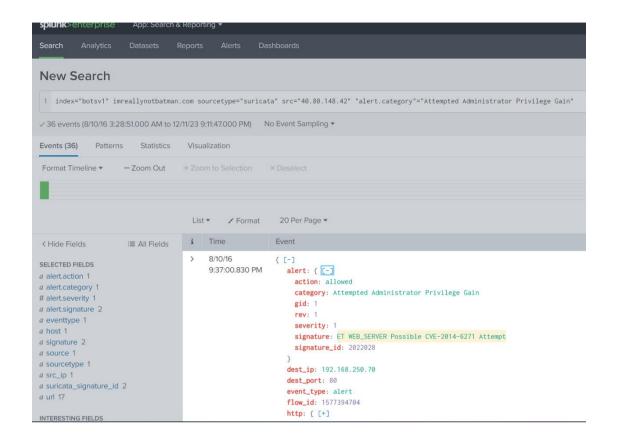
2. The Name Tool used in enumeration



#### 3.Web Application Attack



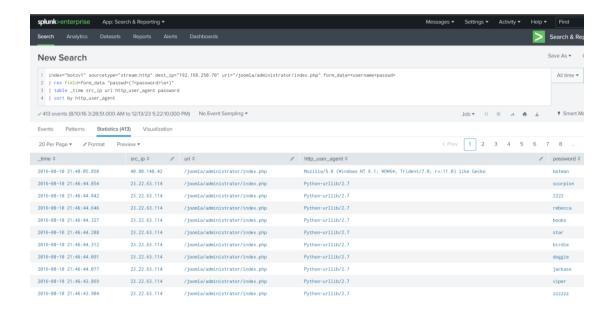
# 3. Attempted Administrator Privilege Gain



### 2- Exploitation Phase

The Attacker Perform Brute Forse Attack for the Exploitation

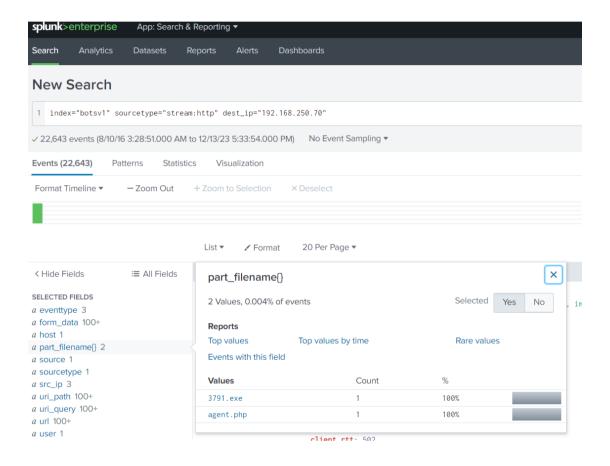
• The Evidence and Search Query

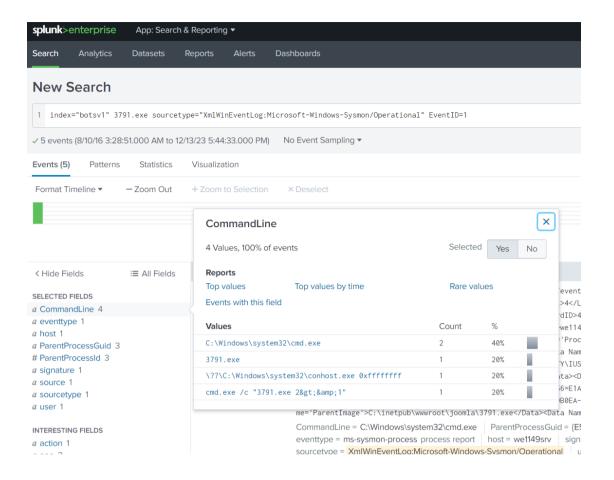


#### 3- Installation Phase

The Attacker Install Executable file in the server.

• The Evidence and search query

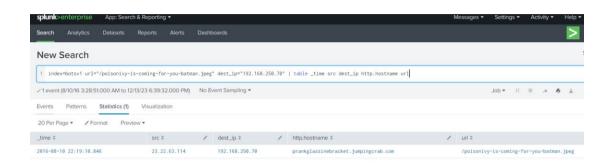




#### 4- Action on Objective

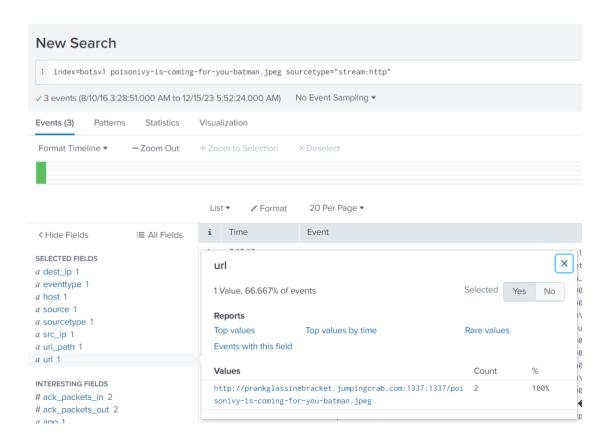
The attacker Defaced the Web Site

• The Evidence and search query



#### 5- Command And Control

identified the suspicious domain as a Command and Control C2 Server in the Previous Phase associated with the image.



```
i Time
         Event
             dest_ip: 23.22.63.114
            dest_mac: 08:5B:0E:93:92:AF
            dest_port: 1337
            duplicate_packets_in: 2
            duplicate_packets_out: 0
             endtime: 2016-08-10T22:13:46.915172Z
            http_method: GET
            missing_packets_in: 0
            missing_packets_out: 0
            network_interface: eth1
            packets_in: 6
             packets_out: 5
             reply_time: 0
             request: GET /poisonivy-is-coming-for-you-batman.jpeg HTTP/1.0
             request_ack_time: 3246
             request_time: 61714
            response_ack_time: 0
            response_time: 0
            server_rtt: 32357
            server_rtt_packets: 2
            server_rtt_sum: 64714
            site: prankglassinebracket.jumpingcrab.com:1337
            src_headers: GET /poisonivy-is-coming-for-you-batman.jpeg HTTP/1.0
          Host: prankglassinebracket.jumpingcrab.com:1337
             src_ip: 192.168.250.70
```

### 6- Weaponization Phase And 7- Delivery Phase

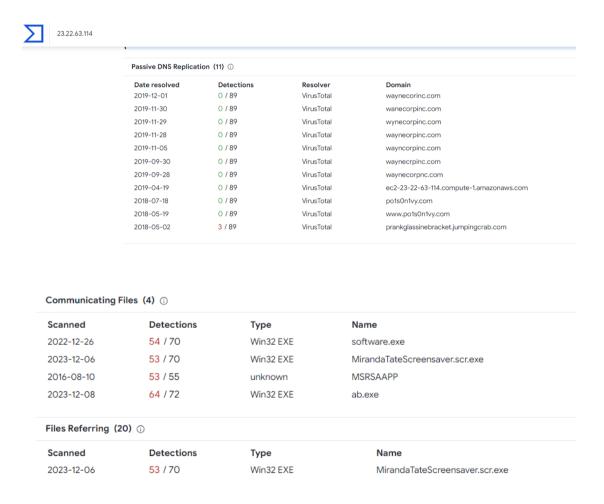
Using OSINT <u>www.virustotal.com</u> to search for IP Address Associated with the attacker 23.22.63.114

The Malicious Domain name associate with the IP: www.po1s0n1vy.com

The Malicious file name:

ab.exe

Miranda.Tate.Screenserver.scr.exe



# **Part Tow Creating Yara Rule**

Collecting the artifact IP Addresses and domains and Hash File Associated with the attacker and creating Yara Rule