

Industry Project Presentation

on

Security Operation Center (SOC) at Heritage Cyberworld LLP

By

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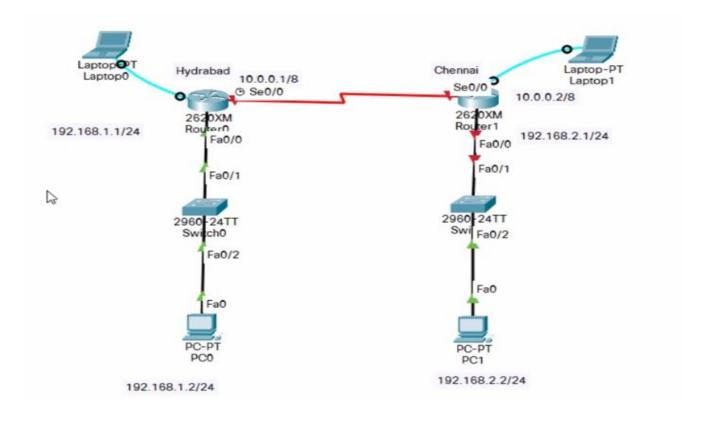
Institute of Computer Technology, Ganpat University

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- Practical on Wireshark

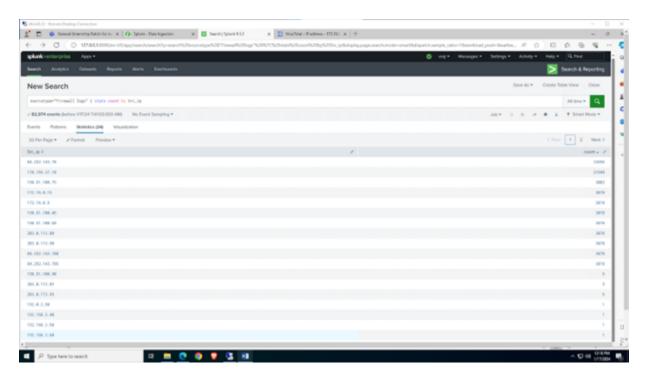


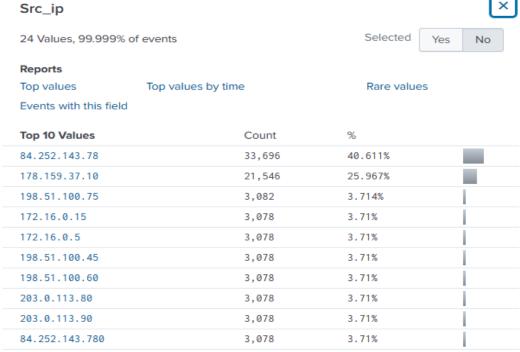
- Certified course of EC-Council
- Certified course of Splunk



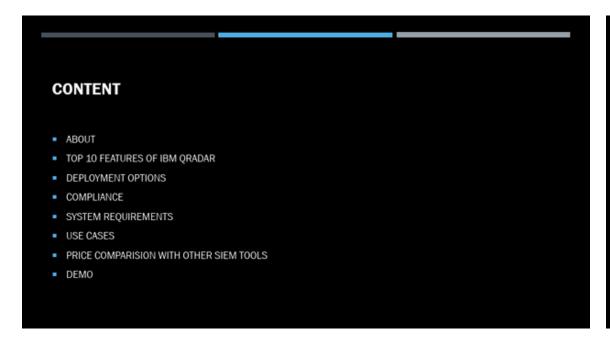


- Practical on Splunk
- Analyzing Logs on Splunk





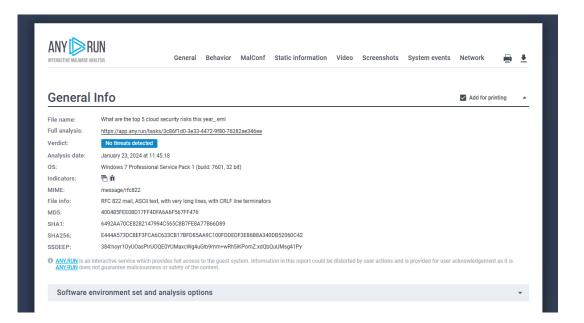
- Use cases of SIEM
- Presentation on Incident Response Vraj



PRICE COMPARISION WITH OTHER SIEM TOOLS	
IBM QRADAR	SPLUNK
QRadar which is priced based on the events per second.	Splunk is priced based on the amount of data ingested on daily basis or the number of Splunk Virtual Compute (SVCs) units consumed (Workload Pricing), which can be more expensive than QRadar
\$740-\$1050 per month for 500 employees in organization(Software Based)	Pricing starts at \$150 per ingested GB of data per month.
\$2300-\$3100 per month for 500 employees in organization(SaaS)	

- Digital forensics
- Email logs & Header Analysis
- Firewall Logs
- DDoS Logs



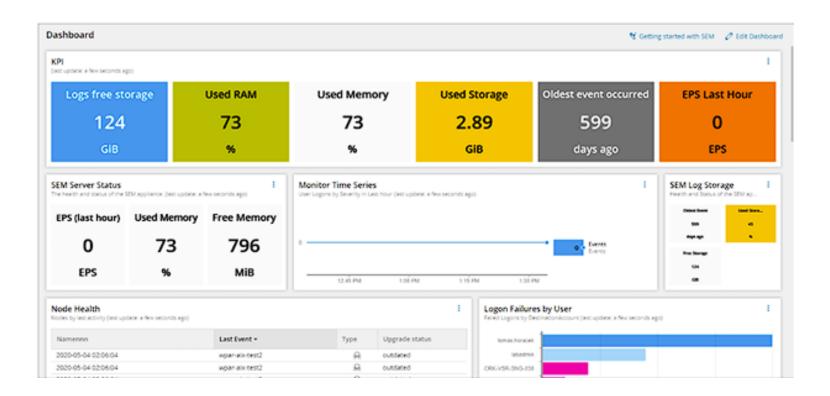


Malware Analysis

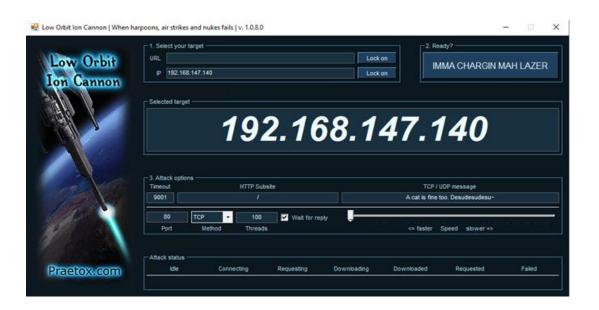


Report on OEM

Solarwinds



- DDoS attack practical & Logs collection
- Malware attack practical & Logs collection
- Mimikatz attack practical & Logs collection
- Ransomware attack practical & Logs collection

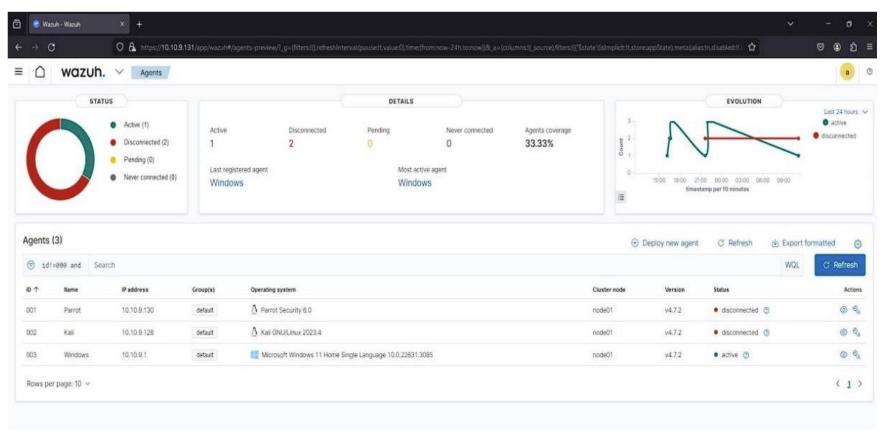


```
_ - X
mimikatz 2.2.0 x86 (oe.eo)
          minikatz 2.2.0 (x86) #18362 Feb 29 2020 11:13:10
< vincent.letoux@gmail.com >
               > http://pingcastle.com / http://mysmartlogon.com ***/
mimikatz # privilege::debug
Privilege '20' OK
ninikatz # sekurlsa::logonpasswords
uthentication Id : 0 ; 190245 (00000000:0002e725)
                : Interactive from 1
User Name
Domain
ogon Server
 ogon Time
                : 4/24/2023 6:54:55 AM
                      -5-21-1235924641-3164596700-3031777028-1000
        [000000003] Primary
        * Username : Jay
        * Domain : Jay-PC

* LM : 8f5eba968ca13d4209752a3293831d17
```

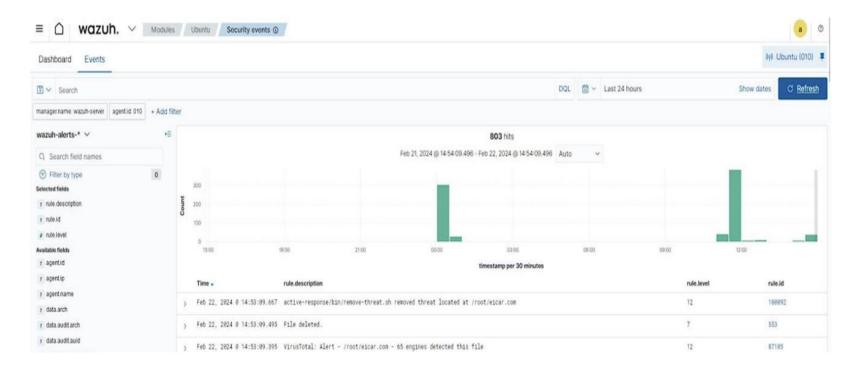
Wazuh Deployment

Deploying Wazuh in Local Environment



Virus Total Integration

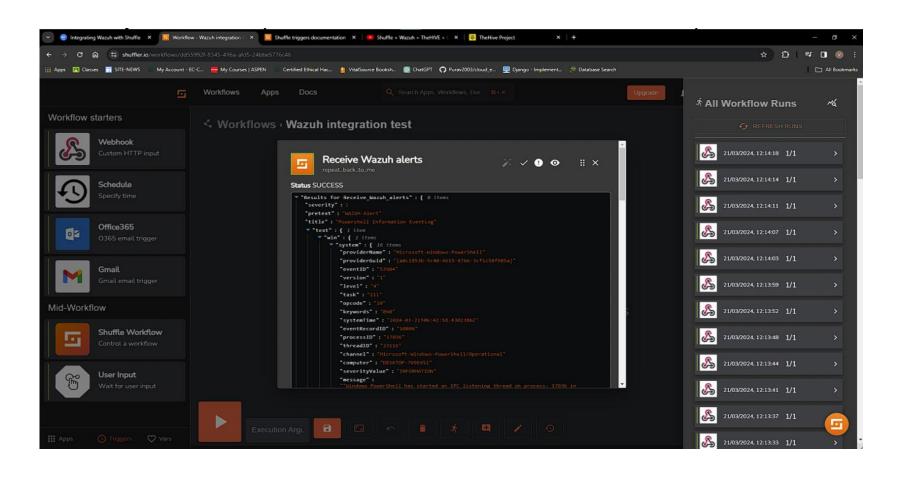
Threat & Malware Protection



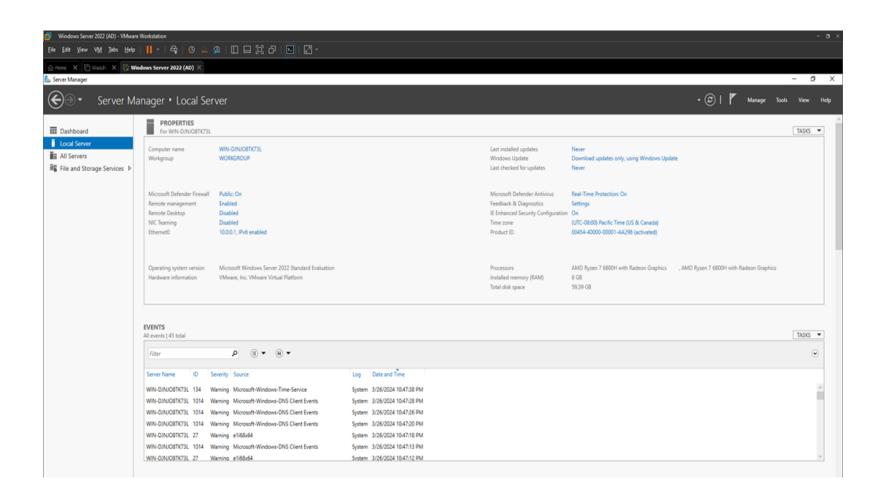
Wazuh POC

- File Integrity Monitoring
- Detecting Malware Persistance
- Detecting Malware Persistance in Windows Registry
- Notepad Open Alert if open in Background
- CMD Open Alter if open in Background
- Logging the Command of Powershell
- Windows Defender Logs
- Monitoring Downloads Directory Using Virus Total

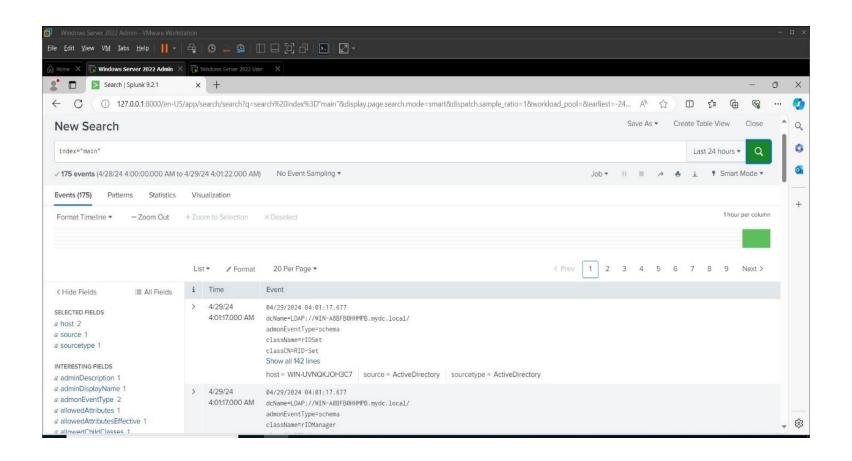
Wazuh & SOAR Integration



Windows AD Creation



Installing Splunk



Thank You!!