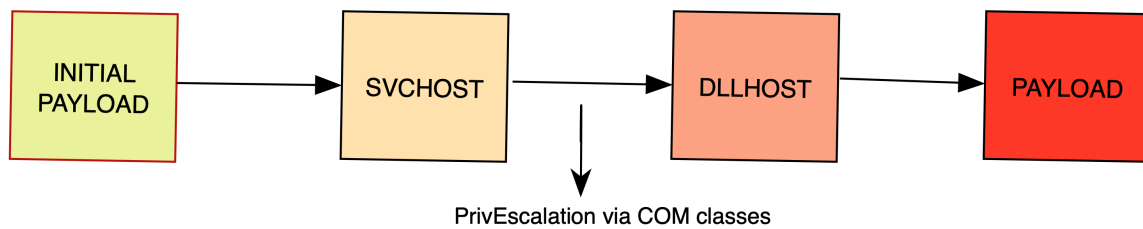


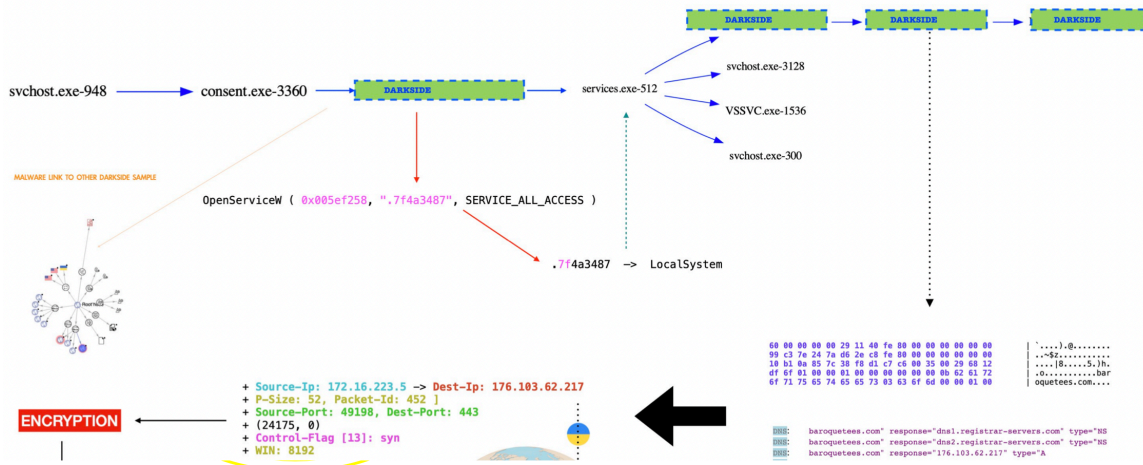
# BLACKMATTER

UDURRANI

**BlackMatter Ransomware encrypted all your files!  
To get your data back and keep your privacy safe,**



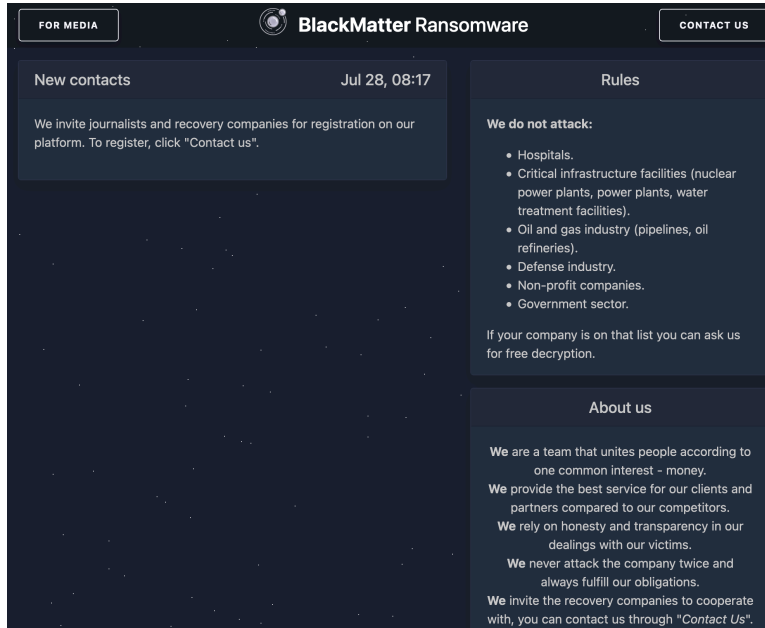
BlackMatter is a successor to **DarkSide** and **Sodinokibi** ransomware. Let's take a quick look at the previous DarkSide ransomware flow.



A quick look at **Sodinokibi** Ransomware and its obfuscation:

[https://udurrani.com/0fff/ransomware\\_using\\_net\\_assemblies/](https://udurrani.com/0fff/ransomware_using_net_assemblies/)

BlackMatter operates in a similar fashion to its predecessor DarkSide. It tries to gain the right privileges to conduct all the activities. The group has adapted new techniques and developed features to exfiltrate/push files before the actual encryption starts. The group maintains its presence on the dark web.



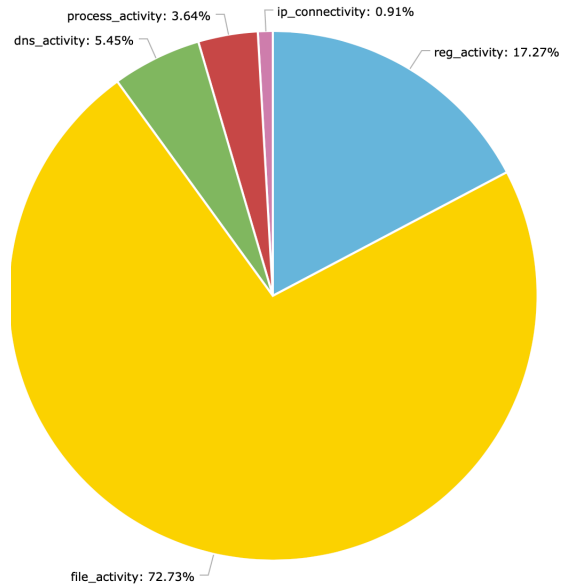
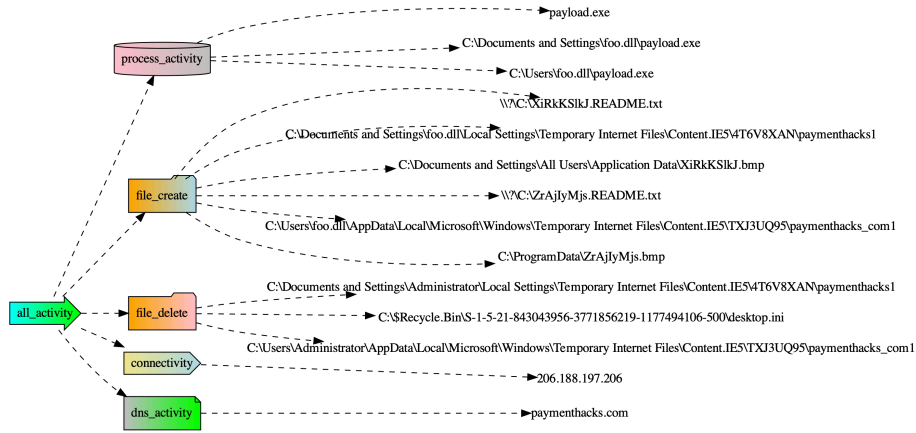
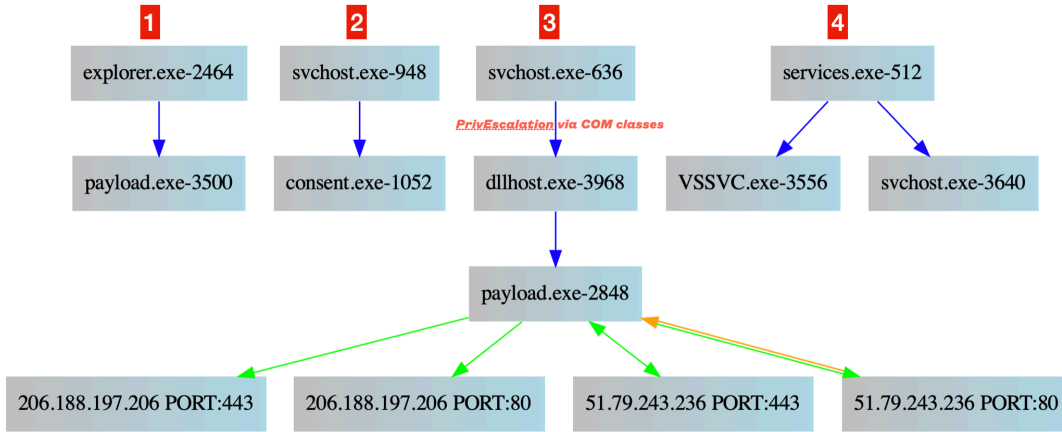
Depending on the company, the initial price is pretty high.

Now	Time to end	After time end
\$ 3,000,000	02 day, 10:55:04	6,000,000 \$
89.91 (with 25% fee)		(with 25% fee) 179.83
12174.34		24348.67

The threat group creates a unique payload for each victim (company). The payload eventually creates a special URL that can be mapped to the victim. This way the victim can easily communicate to the threat actor.



# THE FLOW:



```

DllHost.exe /Processid:{E10F6C3A-F1AE-4ADC-AA9D-2FE65525666E}
C:\Windows\System0W64\DllHost.exe /Processid:{3E5FC7F9-9A51-4367-9063-A120244FBEC7}
C:\Windows\System0W64\dllhost.exe -> payload.exe
C:\Windows\system32\vssvc.exe
C:\Windows\System32\svchost.exe -k swprv
  
```

## ON THE WIRE:

```
60 09 00 00 00 3a 11 40 fe 80 00 00 00 00 00 00
10 f2 f0 0b 02 30 7e 18 fe 80 00 00 00 00 00 00
99 c3 7e 24 7a d6 2e c8 00 35 eb 0b 00 3a 40 1a
b1 cc 81 80 00 01 00 01 00 00 00 00 0c 70 61 79
6d 65 6e 74 68 61 63 6b 73 03 63 6f 6d 00 00 01
00 01 c0 0c 00 01 00 01 00 00 08 ca 00 04 ce bc
c5 ce
```

```
| \.....:~@.....
| .....0~.....
| ..~$z.....5.....:~@
| .....pay
| menthacks.com...
| .....
```

```
+ Source-IP: 172.16.223.5 -> Dest-IP: 206.188.197.206
+ P-Size: 48, Packet-Id: 9445 ]
+ Source-Port: 50693, Dest-Port: 80
+ (35839, 0)
+ Control-Flag [13]: syn
+ WIN: 8192
```

```
45 00 00 30 24 e5 40 00 80 06 b6 41 ac 10 df 05
ce bc c5 ce c6 05 00 50 8b ba f7 e9 00 00 00 00
70 02 20 00 f9 83 00 00 02 04 05 b4 01 01 04 02
```

```
| E..0$.@....A....
| .....P.....
| p. ....
```

```
60 09 00 00 00 37 11 40 fe 80 00 00 00 00 00 00
10 f2 f0 0b 02 30 7e 18 fe 80 00 00 00 00 00 00
99 c3 7e 24 7a d6 2e c8 00 35 d7 e8 00 37 40 17
65 19 81 80 00 01 00 01 00 00 00 00 09 6d 6f 6a
6f 62 69 64 65 6e 03 63 6f 6d 00 00 01 00 01 c0
0c 00 01 00 01 00 00 08 ca 00 04 33 4f f3 ec
```

```
| \.....7.@.....
| .....0~.....
| ..~$z.....5.....7@.
| e.....moj
| obiden.com.....
| .....30..
```

```
+ Source-IP: 172.16.223.5 -> Dest-IP: 51.79.243.236
+ P-Size: 427, Packet-Id: 9466 ]
+ Source-Port: 50698, Dest-Port: 80
+ (45055, 10747)
+ Control-Flag [13]: psh ack
+ WIN: 16698
```

```
45 00 01 ab 24 fa 40 00 80 06 22 01 ac 10 df 05
33 4f f3 ec c6 0a 00 50 af c9 f4 32 29 ca ba eb
50 18 41 3a b8 b7 00 00 50 4f 53 54 20 2f 3f 4e
36 4f 37 41 52 48 4d 6a 3d 39 53 33 57 78 75 30
4e 6d 71 4c 4f 6f 55 68 26 44 78 69 78 58 55 45
46 71 3d 74 45 47 42 62 6e 72 33 65 75 30 47 6d
49 33 58 26 4d 32 56 43 69 4b 3d 64 61 67 4f 71
53 4e 61 58 5a 4c 54 46 6f 65 56 75 45 4a 26 77
52 66 57 54 6a 36 74 78 3d 48 52 42 68 72 6b 31
43 42 63 76 63 69 32 43 74 41 79 79 26 53 76 41
49 64 4d 52 67 3d 4a 53 49 74 73 71 26 46 61 4f
63 74 3d 4d 36 73 54 71 5a 67 72 48 4f 64 6e 38
39 58 26 6c 61 31 72 4d 6b 66 3d 7a 62 71 37 69
36 71 4c 6b 77 71 48 62 69 43 61 46 45 20 48 54
54 50 2f 31 2e 31 0d 0a 41 63 63 65 70 74 3a 20
2a 2f 2a 0d 0a 43 6f 6e 6e 65 63 74 69 6f 6e 3a
20 6b 65 65 70 2d 61 6c 69 76 65 0d 0a 41 63 63
65 70 74 2d 45 6e 63 6f 64 69 6e 67 3a 20 67 7a
69 70 2c 20 64 65 66 6c 61 74 65 2c 20 62 72 0d
0a 43 6f 6e 74 65 6e 74 2d 54 79 70 65 3a 20 74
65 78 74 2f 70 6c 61 69 6e 0d 0a 55 73 65 72 2d
```

```
| E...$.@...".....
| 30.....P....2)...
| P.A:....POST /?N
| 607ARHMj=9S3Wxu0
| NmQL0oUh&DxixXUE
| Fq=tEGBbnr3eu0Gm
| I3X&M2VCiK=dag0q
| SNaXZLTFoeVuEJ&w
| RfWTj6tx=HRBhrk1
| CBcvciz2CtAyy&SvA
| IdMRg=JSItsq&Fa0
| ct=M6sTqZgrH0dn8
| 9X&la1rMkf=zbq7i
| 6qLkwqHbiCaFE HT
| TP/1.1..Accept:
| */*..Connection:
| keep-alive..Acc
| ept-Encoding: gz
| ip, deflate, br.
| .Content-Type: t
| ext/plain..User-
```