

'EIGHTBELLS'

VDPI

Real-time Unified Network Threat Management

Eight Bells

Who We Are | What We Do



- Research and Development Company based in Nicosia
- Technology focused in multi-disciplinary areas of research
- Cyber-Security, 5G, Smart-Grids, Al, Networks
- Emmanouil Kafetzakis, Co-Founder, Principal Analyst
- Ioannis Giannoulakis, Co-Founder, Principal Analyst
- Marios Spinthiras, Chief Technology Officer

Ransomware Attacks



What are Ransomware attacks?

- Cyber-extortion designed to hold data hostage for money.
- A form of Malware that infects a device and encrypts its data.
- Prevents user from accessing data until a ransom is paid.
- Time based. If ransom is not paid data may be lost.

Ransomware Attacks

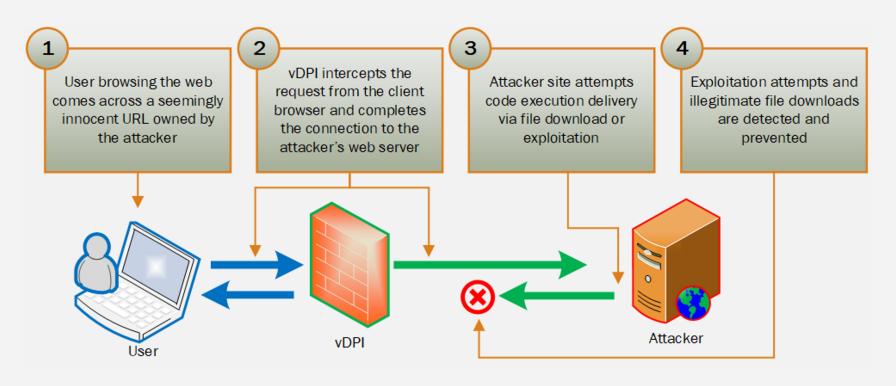


The Anatomy of a Ransomware Attack

- Web: User file downloads and Browser exploitation.
- Mail: Attachment Executable and Exploit Downloads.
- Laterally: Infected device infects other nearby devices.
- Tor: Downloaded during infection stage to notify Attacker.

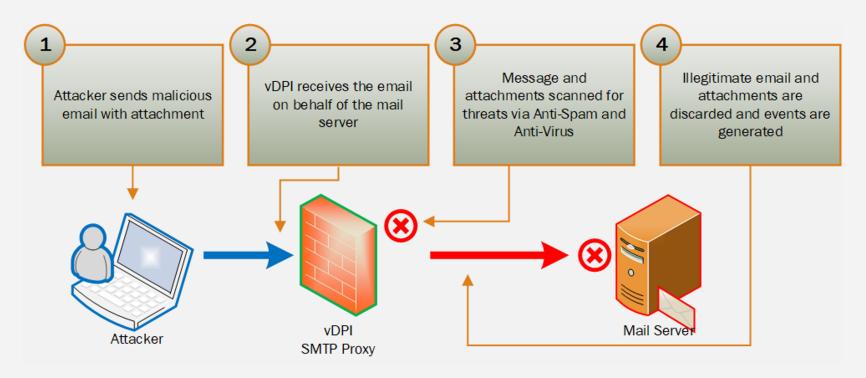
Infection via Web





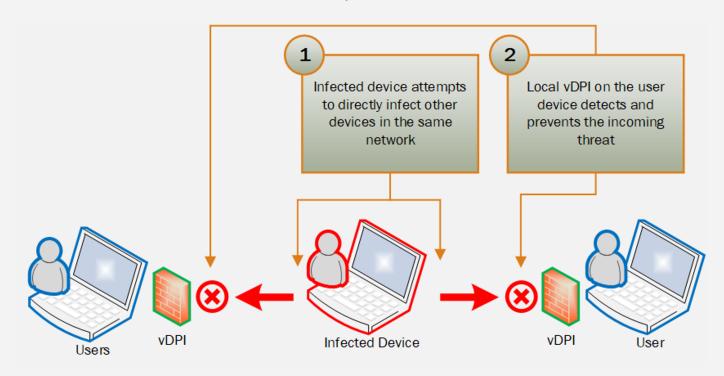
Infection via Email





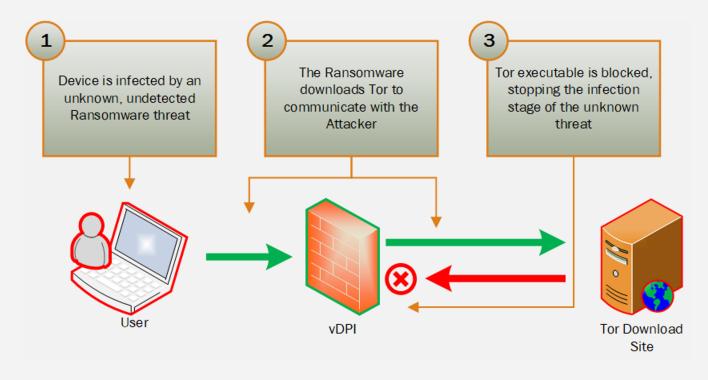
Infection via Lateral movement





Tor Activity





vDPI UTM Security Appliance



Real-time Unified Network Threat Management

- Situated in the middle and edge of the network for full protection
- Network-wide Threat Detection and Prevention (NIDS/NIPS/NSM)
- Advanced (Layer 2-7) Policy Enforcing Firewall
- Unified Events, Alerts and Reports Web Console



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Thank You

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