

Unveiling Olympic Destroyer: Impact and Implications

Scenario for 2024 CASP Cybersecurity Automation Village

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Background

 Cybersecurity Automation Village focuses on using open standards to foster rapid capability integration

 We need a common scenario to support the demonstrations throughout the event

 This talk will provide a high level overview of the scenario and some of the common elements used by several teams for the village



Olympic Destroyer (OD)

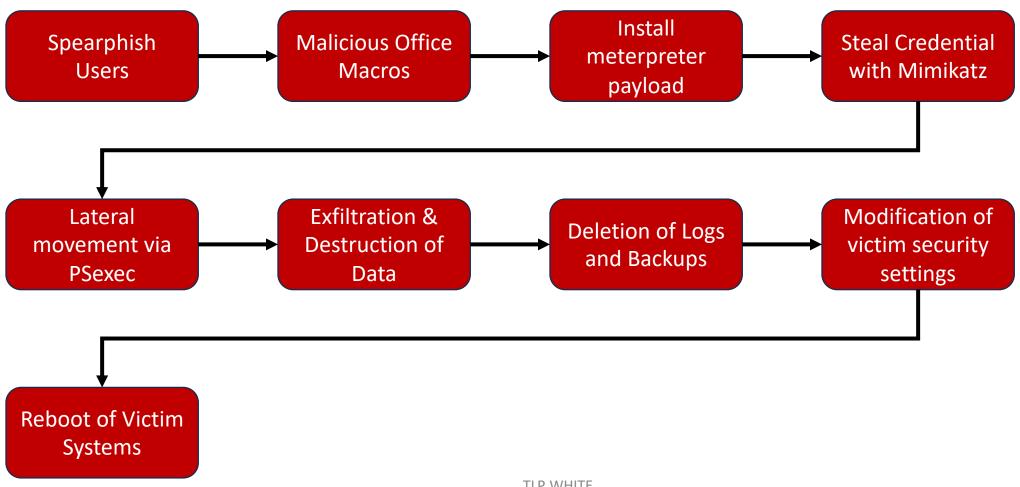
- Scenario for this year's village
- APT Campaign targeted the 2018
 PyeongChang Winter Olympics
- Network worm
 - Propagated through Windows network shares
 - Stole passwords
 - Aimed to purge files and shut down infected systems







High Level Overview of OD Attack Workflow





Common TTPs from OD Analysis

- Several common Tactics, Techniques, and Procedures were identified in the analysis of Olympic Destroyer Activity
- Several aligned with the MITRE ATT&CK framework
 - T1566.002 Spearphishing Link
 - T1059.001 PowerShell
 - T1134.001 Token Impersonation
 - T1556.002 Password Filter DLL
 - T1041 Exfiltration over C2 channel
 - T1562 Impair Defenses
 - T1485 Data Destruction
 - T1529 System Shutdown/Reboot



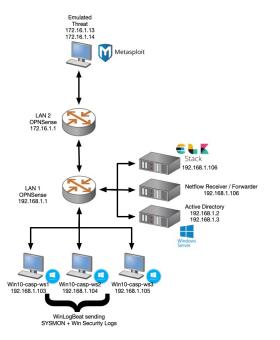
Contributions to Village

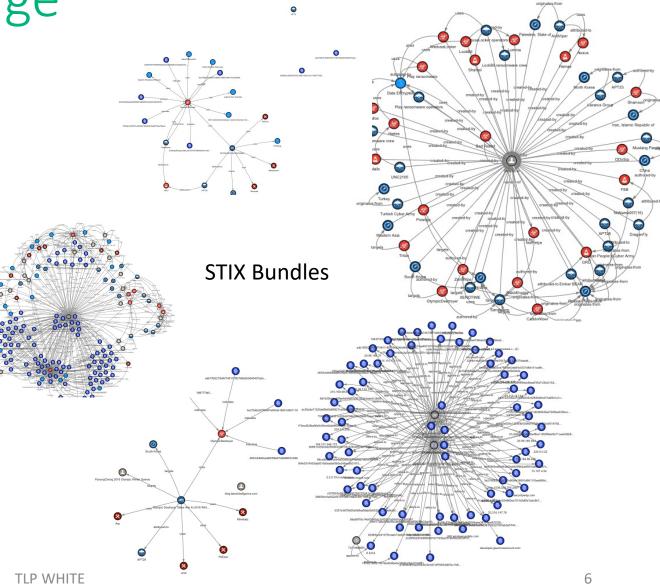
CASP Team
Members
provided data on
OD to support
this year's event

Threat Reports





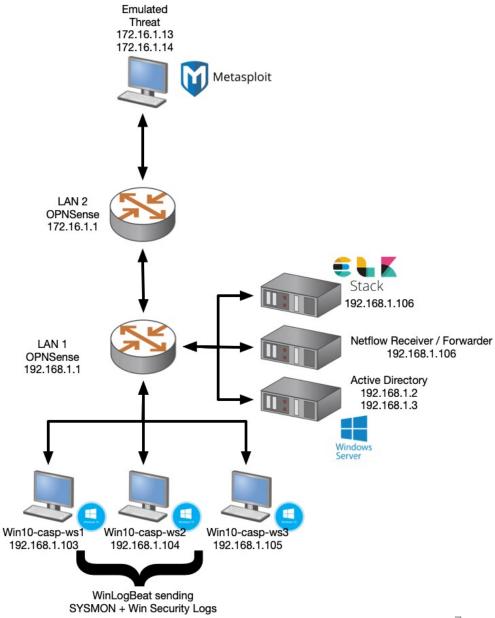






Emulated Threat

- Lab environment emulated OD attack
- Sysmon and Netflow logs were recorded
 - Logs were provided to CASP members
- Assisted in creation of
 - IOB Bundles
 - Stix-Shifter Detection analytics
 - Kestrel Huntbooks
 - CACAO response workflows





Conclusion

- CASP provides an excellent opportunity for the community to demonstrate the rapid integration capability of using open standards and tools
- Having a common scenario with technical artifacts allows plugfest members to rapidly build upon common elements
- Olympic Destroyer provides a realistic scenario that showcases the benefit of combining Cyber Threat Intelligence into security automation

Thank you to the entire CASP project for their contribution towards this year's plugfest