A ransomware Case study

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Applying STIX to Intelligence Teams

- Gandcrab a Case Study
- Tracking TTP re-use in Ransomware attacks
- Mapping Ransomware functionality using Mitre ATT&CK
- Managing collaboration with 'Analysis of Competing Hypotheses'



Advanced CTI Techniques



Gandcrab – A Case Study



Aconis

Gandcrab – A Case Study

GandCrab Ransomware Distributed by Exploit Kits, Appends GDCB Extension

SUMMARY

Security experts have discovered a new ransomware strain called <u>Malware: GandCrab</u> that is targeting victims in the wild.

Key Findings:

- <u>Malware Variant: GandCrab 2093f6</u> is currently being distributed through a malvertising campaign called <u>Seamless campaign</u> that then pushes the visitors to the RIG exploit kit
- Following the infection, GrandCrab encrypt the victim's files, appending the .GDCB extension to the encrypted file's name
- GrandCrab is the first ransomware to accept the DASH currency and the first to utilize the Namecoin powered .BIT tld
- Victims are encouraged to pay 1.5 Dash, currently equivalent to \$1130 USD

ANALYSIS

To date, there is no way to decrypt files encrypted by GandCrab for free.

Victims are encouraged to pay 1.5 Dash (cryptocurrency), currently equivalent to ~\$1130

GandCrab extortion note:

---= GANDCRAB =---

Attention!

All your files documents, photos, databases and other important files are encrypted and have the extension: .GDCB The only method of recovering files is to purchase a private key. It is on our server and only we can recover your



TTP Re-Use





Mitre ATT&CK Functionality Mapping





Analysis of Competing Hypotheses



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Thank you!

https://oasis-open.github.io/cti-documentation/

