

# **AntiRansomware Tools Thoroughly Tested Part 5**

Information Security Inc.



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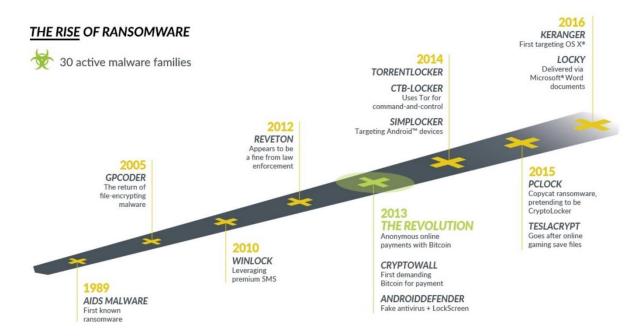
#### What is Ransomware?

- Ransomware is a type of malicious software from cryptovirology that threatens to publish the victim's data or perpetually block access to it unless a ransom is paid
- Ransomware is malicious code that is used by cybercriminals to launch data kidnapping and lockscreen attacks
- The motive for ransomware attacks is monetary





#### **Rise of Ransomware**





## **Ransomware Testing Environment**

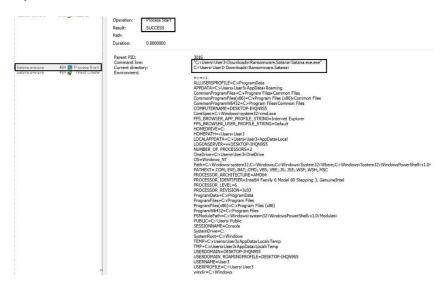
Victim machine: Windows 10 x64

 Ransomware: Satana Ransomware (https://www.kaspersky.com/blog/satana-ransomware/12558/)



## **Malwarebytes Anti-Ransomware**

- Information link: https://malwarebytes.app.box.com/s/6vqfgzs9ci86fbga4nt95yq5uytppg1b
- How does Malwarebytes Anti-Ransomware work?
- Ransomware process starts





## **Malwarebytes Anti-Ransomware**

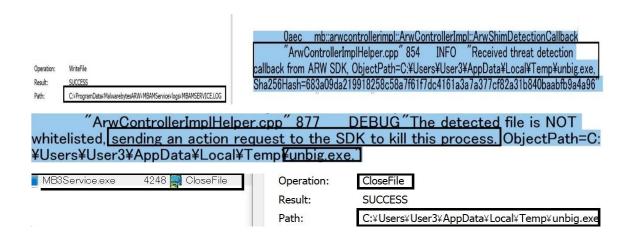
- Information link: https://malwarebytes.app.box.com/s/6vqfgzs9ci86fbga4nt95yq5uytppg1b
- How does Malwarebytes Anti-Ransomware work?
- Ransomware main process spawns a child process (unbig.exe)





## **Malwarebytes Anti-Ransomware**

- Information link: https://malwarebytes.app.box.com/s/6vqfgzs9ci86fbga4nt95yq5uytppg1b
- How does Malwarebytes Anti-Ransomware work?
- Ransomware process is identified and killed by Malwarebytes Anti-Ransomware





### References

- Wikipedia https://en.wikipedia.org/wiki/Ransomware
- Knowbe https://www.knowbe4.com/ransomware
- Heimdal security https://heimdalsecurity.com/blog/what-is-ransomware-protection

