

Raytheon

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Rombertik

For
SIRIUS Task Order PIQUE

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U.S. Government

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1.0 (U) Analysis Summary

(S//NF) This report is based on a brief blog entry from SentinelOne, an end-point protection company, on a malicious threat known as Rombertik. Rombertik takes the extreme action of wiping the victim's MBR upon detection of sandboxes or analysis functions such as debuggers.

(S//NF) Rombertik is heavily obfuscated, employing layered obfuscation techniques and anti-analysis methods. The malware uses an exorbitant amount of "junk" code to make static analysis difficult. In fact, the SentinelOne authors claim that 97% of the packed Rombertik file is junk instructions.

(S//NF) The report goes on to state that they've seen advanced anti-static analysis techniques involving just-in-time de-obfuscation at runtime, but they don't specifically say they've seen Rombertik using such techniques.

(S//NF) Rombertik is distributed as zipped .SRC files in an attempt to hide the fact that it's an executable. Of course, Windows handles .SRC files as executables.

(S//NF) The remainder of the report is primarily screenshots from SentinelOne's end-point protection application with discussions on how effective their product is at detecting and dealing with the type of threat represented by Rombertik.

(S//NF) Because of the lack of technical details relating to implementation, no PoCs are recommended from this report.

2.0 (U) Description of the Technique

(S//NF) Not applicable because no PoCs are recommended.

3.0 (U) Identification of Affected Applications

(U) Windows.

4.0 (U) Related Techniques

(S//NF) Obfuscation, anti-analysis, covert action.

5.0 (U) Configurable Parameters

(U) Varied.

6.0 (U) Exploitation Method and Vectors

(S//NF) No exploitation methods were discussed in this report. The implied attack vector is social engineering involving zipped files.

7.0 (U) Caveats

(U) None.

8.0 (U) Risks

(S//NF) Not applicable as no PoCs are recommended.

9.0 (U) Recommendations

(S//NF) No PoCs are recommended.