

# **Raytheon Blackbird Technologies**

## **20150807-253-TrendMicro Understanding WMI Malware**

**For  
SIRIUS Task Order PIQUE**

**Submitted to:  
U.S. Government**

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**07 August 2015**

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## **1.0 (U) Analysis Summary**

(S//NF) This is a high-level report / survey of WMI support for malware activity. This report uses the malware sample TROJ\_WMIGHOST.A as an example of a WMI-based piece of malware. The report describes what WMI is and how it works and then goes on to describe how TROJ\_WMIGHOST.A implements the mandatory pieces of WMI, WMI System Classes, necessary to perform its maliciousness.

(S//NF) The report describes the three basic WMI System Classes:

- \_EventConsumer (analogous to standard malware executable code)
- \_EventFilter (analogous to standard malware autorun/entry)
- \_FilterToConsumerBinding (analogous to standard malware condition/trigger)

(S//NF) The report does a very good job of explaining WMI and how malware implements WMI. The use of TROJ\_WMIGHOST.A highlights the mapping of standard malware constructs to the WMI model. However, there are no interesting techniques implemented via WMI discussed in this report and therefore no PoCs are recommended.

## **2.0 (U) Description of the Technique**

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

## **3.0 (U) Identification of Affected Applications**

(U) Windows.

## **4.0 (U) Related Techniques**

(S//NF) WMI implementation of standard malware functionality.

## **5.0 (U) Configurable Parameters**

(U) Varied.

## **6.0 (U) Exploitation Method and Vectors**

(S//NF) No exploitation methods or attack vectors were discussed in this report.

## **7.0 (U) Caveats**

(U) Not applicable.

## **8.0 (U) Risks**

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

## **9.0 (U) Recommendations**

(S//NF) No PoCs are recommended.