

Unprotect Project

How to Defeat Malware Protection?





Thomas ROCCIA | McAfee Foundstone

Whoami

- ★ Thomas Roccia | @fr0gger_
- ★ French Security Consultant Researcher Working at McAfee Foundstone
 - Malware Fighting
 - ★ Incident Response
 - ★ Threat Intelligence
 - Red Team
 - ★ Assessment



90%

Malware with self-defense and protection capabilities collected



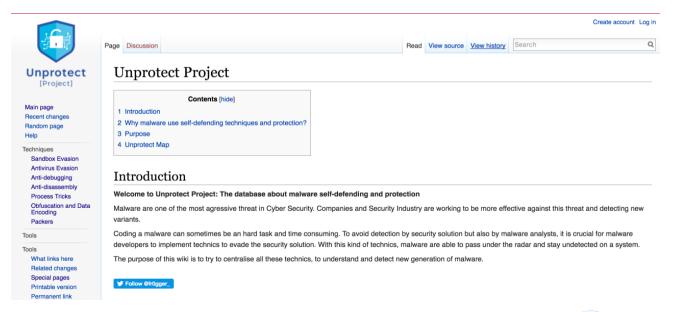
Many tools are available...



unprotect.tdgt.org

"One place to have an overview of malware self-defense and protection..."









What's happen if I create fake artifacts in my real machine?



YES! If a malware detects my fake environment, it will not run and I will not get infected ©

A quick & dirty POC

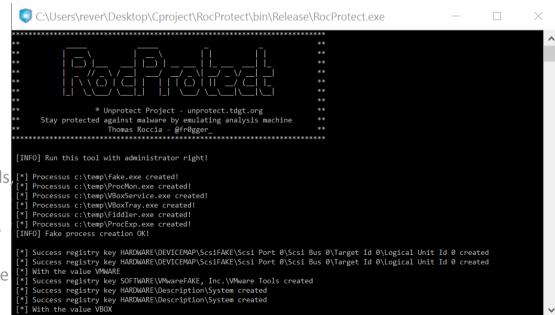
Stay protected by emulating a malware analysis machine

- ♦ Create:
 - Fake registry keys of Vmware/VirtualBox/Qemu
 - Fake processes (VmwareTray.exe, VboxService.exe, wireshark.exe...)
 - Fake directories (Wine, Vmware Tools, [*] Processus c:\temp\fake.exe created!

 VirtualBox Tools...)

 Fake directories (Wine, Vmware Tools, [*] Processus c:\temp\ProcMon.exe created!

 [*] Processus c:\temp\\BoxFortice.exe c
 - Fake files (vmouse.sys, vboxhook.dll, VboxGuest.sys...)
 - Fake MAC address related to Vmware or VirtualBox





Thank you



- Thomas Roccia
- thomas.roccia [at] intel.com
- @fr0gger_

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