Dynamic Analysis: Detecting Malware System Changes



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INCIDENT RESPONDER

@secshoggoth

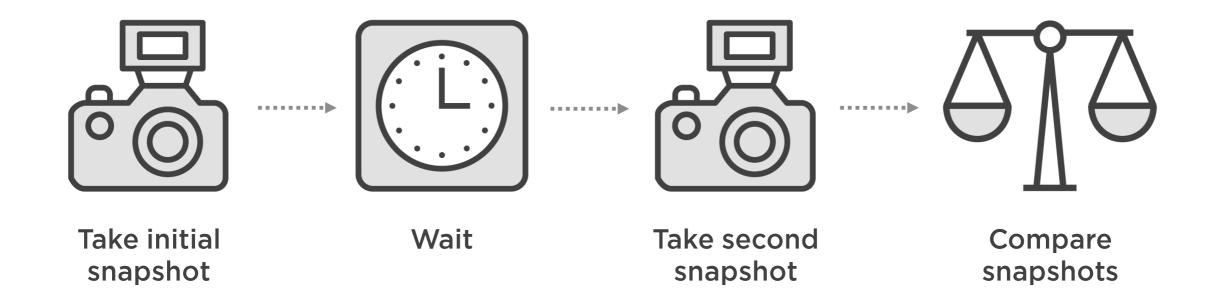
Overview



Detect changes when the malware runs



System Integrity Monitoring





System integrity monitoring will detect most file and registry modifications.



What Does It Not Do?

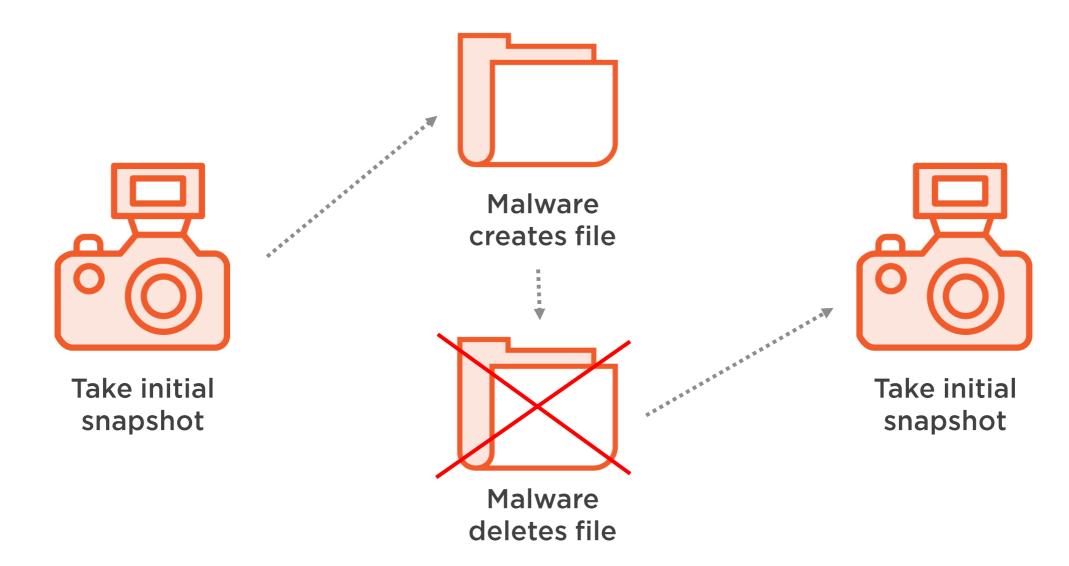
Tell who made the changes

Rootkit hidden files

Temporary files



Temporary Files





Monitors registry and file system

Regshot

Can save snapshots between boots

Output in text or HTML

https://sourceforge.net/projects/regshot/

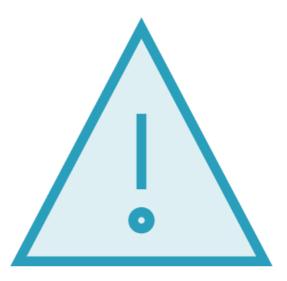


Demo



System integrity monitoring

http://bit.ly/malfund-1





budget-report.exe

Created directory

- %USER%\AppData\Roaming\12648430

Created file

- spoolsv.exe

Persistence via RunOnce key

HTTP connection to mbaquyahcn.biz



Summary



Detects most changes when malware runs

Misses

- Who made the changes
- Rootkit hidden files
- Temporary files

Use to see most likely malware change candidates

