



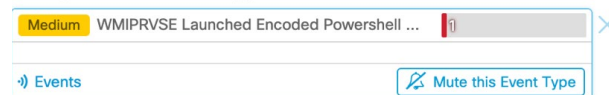
WMIPRVSE

Last Updated: November 3, 2020

INTRODUCTION

The Windows Management Interface (WMI) allows for the display and modification of local and remote computers, setting system variables, and executing scripts or processes. In this case, Behavioral Detection detected a related utility, WMIPRVSE, launching a new powershell process with parameters that contain further commands encoded in Base64. Various malware may use this as a Living Off the Land (LOLBin) method to disguise the true parent of the powershell process and perform a variety of malicious actions with utilities already located on the targeted computer.

Compromise Event Types ?



Event Details

Medium

2020-10-30 08:01:20 NZDT

Detected **WMIPRVSE Launched Encoded Powershell Command**

Tactics: Defense Evasion Execution Lateral Movement

Observables

File: powershell.exe 006cef6e...b2a86218

File: WmiPrvSE.exe 38589254...911da334

Observed Activity

Process Start

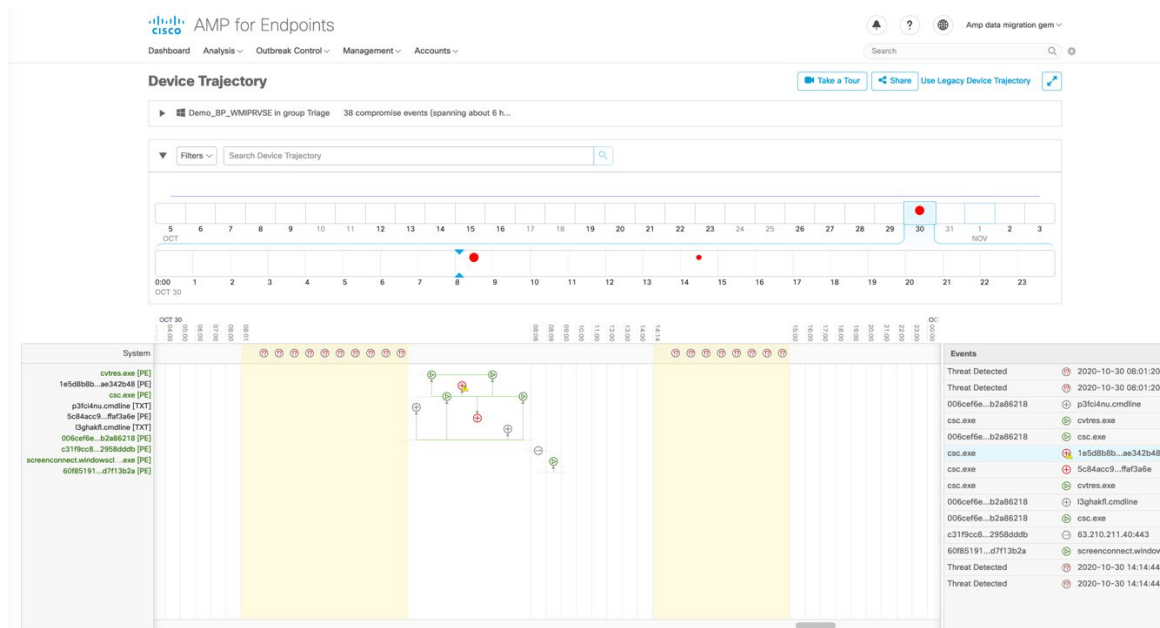
powershell.exe

After loading the demo data, search for the compromise event.

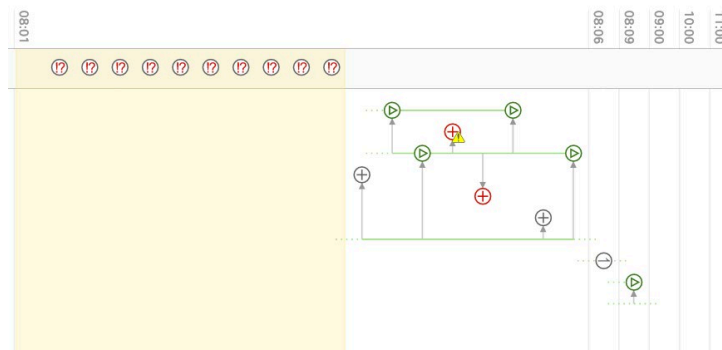
▶ Demo_BP_WMIPRVSE detected Ighakft.dll as Generic.Malware.WX.9C0A7193	Medium		Threat Detected	2020-10-30 08:01:51 NZDT
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▶ Demo_BP_WMIPRVSE detected Ighakft.dll as Generic.Malware.WX.9C0A7193	Medium		Threat Detected	2020-10-30 08:01:51 NZDT
▶ Demo_BP_WMIPRVSE detected p3fc4nu.dll as Generic.Malware.WX.9E93D282	Medium		Threat Detected	2020-10-30 08:01:50 NZDT
▶ Demo_BP_WMIPRVSE detected p3fc4nu.dll as Generic.Malware.WX.9E93D282	Medium		Threat Detected	2020-10-30 08:01:50 NZDT
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▶ Demo_BP_WMIPRVSE detected p3fc4nu.dll as Generic.Malware.WX.9E93D282	Medium		Threat Detected	2020-10-30 08:01:50 NZDT
▶ Demo_BP_WMIPRVSE	Medium		Threat Detected	2020-10-30 08:01:50 NZDT
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▶ Demo_BP_WMIPRVSE	Medium		Threat Detected	2020-10-30 08:01:50 NZDT
▶ Demo_BP_WMIPRVSE	Medium		Threat Detected	2020-10-30 08:01:50 NZDT
▶ Demo_BP_WMIPRVSE	Medium		Threat Detected	2020-10-30 08:01:50 NZDT
▶ Demo_BP_WMIPRVSE detected WMIPRVSE Launched Encoded Powershell Command	Medium		Threat Detection	2020-10-30 08:01:20 NZDT

38 total events
100 ▲ / page
< 1 of 1 >
Export to CSV

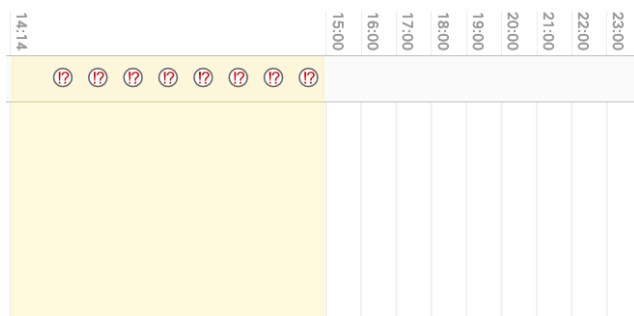
The demo data computer will appear along with several related events.



Multiple events are observed in Device Trajectory



When WMIPRVSE Launched Encoded Powershell initially triggers, Behavioral Protection is in audit mode. Although the signature is set to terminate an associated process, the action is currently disabled and follow-on events are observed. A handful of DLLs are also created and detected.



Hours later, the same attack is initiated again. This time the signature's actions are active. Behavioral Protection immediately terminates the process to prevent further malicious activity.

Demo_BP_WMIPRVSE detected WMIPRVSE Launched Encoded Powershell Command Medium Threat Detection 2020-10-30 14:14:44 NZDT	
Event Overview	Description
Connector Details	Occurred At
Comments	Tactics
	Techniques
Observables <ul style="list-style-type: none"> File: powershell.exe 006cef6e...b2a86218 File: WmiPrvSE.exe 38589254...911da334 	
Observed Activity <p>Process Start C:\Windows\System32\WindowsPowerShell\v1.0\powershell.exe -NoP -NonI -W Hidden -E JABzAGUAPQBAAcAJ... 2020-10-07 14:24:41 NZDT</p>	
Action <p>End Process C:\Windows\System32\WindowsPowerShell\v1.0\powershell.exe</p>	
Outcome <p>Successful</p>	

In this case the encoded portions of the Powershell command are related to a WannaMine attack. Subsequent steps of the attack are prevented because of the End Process action and no further activity is observed.