

# **Adversary Simulation Workshop**

**Lab Guide:** 

**Events and Detection** 

## **Objective:**

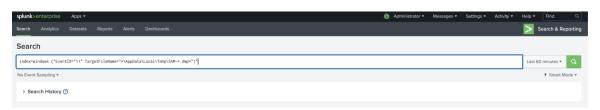
In this lab we will use the search we created in the previous lab (sigma rules) to attempt to fix evidence of the activity.

### **Instructions:**

Browse to your student instance of Splunk. The url and credentials will be provided by your instructor.

After successful login you will be dropped into the default Splunk search app. In the search bar enter the search string from the previous lab making sure to provide a Splunk index. Notice we've updated the TargetFileName to be a more generic. This way we'll be able to use the procdump test included in T1003.001.

(EventID=11 TargetFilename="\*\Temp\\*.dmp")



### Note:

For the lab environment all windows logs including Sysmon are all found in the index "windows".

Run the search for the past 60 minutes. There should be no results and no errors returned.

### **Execute Procdump Test**

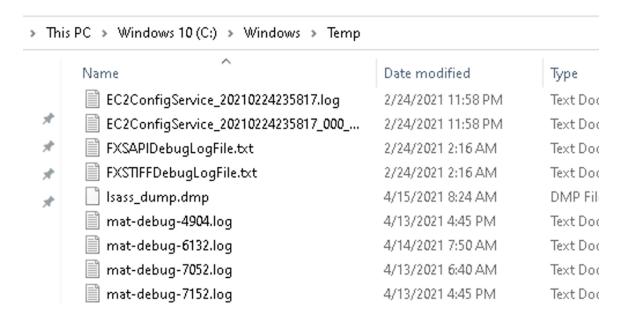
Next we'll need to generate some data on our student lab machine. There isn't a test case that exists for PWDump but in <u>T1003.001</u> test #2 will allow us to generate an LSASS dump event similar for our test.

On the student machine run the following command to execution the test and get the prereqs:

Invoke-AtomicTest T1003.001 -GetPrereqs -TestNumbers 2

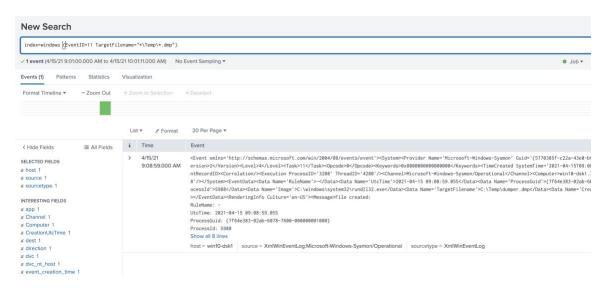
Under C:\Windows\Temp\ you should have a file named lsass\_dump.dmp





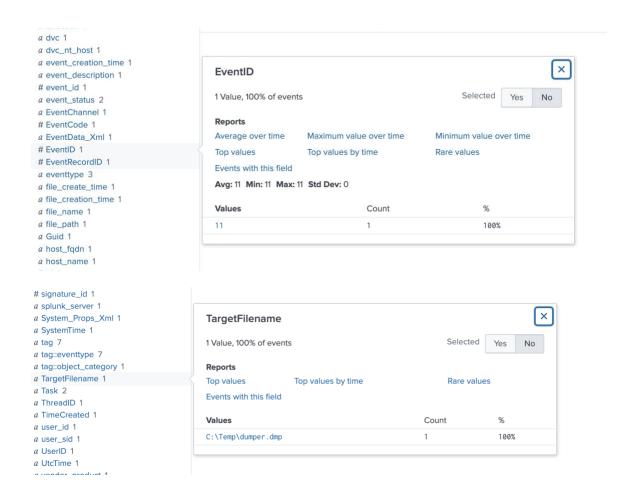
### Search for Events

Log back into the Splunk server and re-run your initial search. You should see a number of events returned:



Look down the right hand side for all of the extracted fields. Locate the two fields we used in our search TargetFilename and EventID.





The logs that we've discovered the event in are Sysmon events. We can see this if we look at the source and sourcetype value:



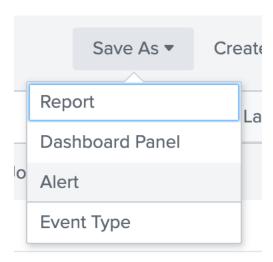
Now run the search again but remove the filter for the TargetFilename field. Replace that with a count by statement as follows:

EventID=11 | stats count by TargetFilename

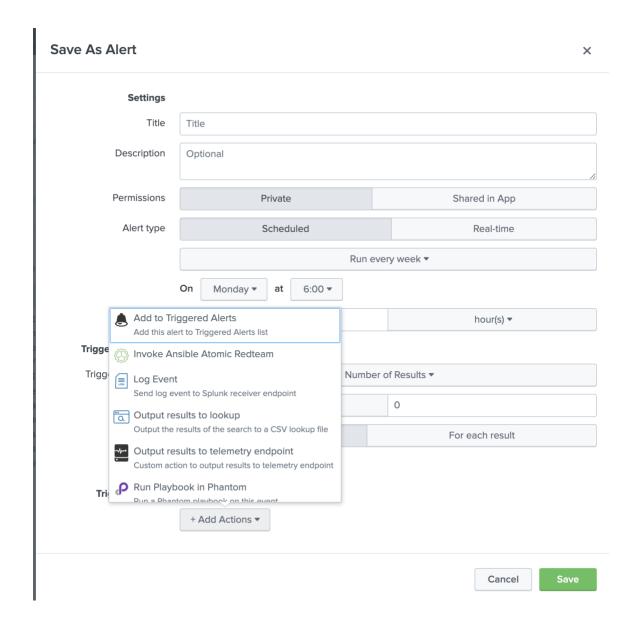
### Actions

Run the original search you used to locate the procdump file. Then choose Save As

# New Search (EventID=11 TargetFilename="\*\Temp\\*.dmp")



Click the "+ Add Actions" button to see a list of possible outputs for this alert.

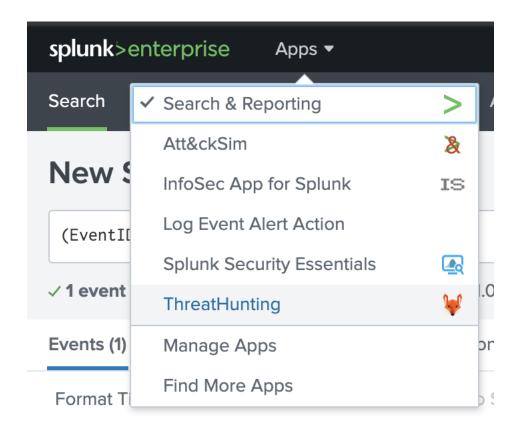


One common technique for alerting on logs that you want to tag as Mitre (or anything else for that matter) is to rewrite the event back to the SIEM. This makes it easier for us to search historically through all of our alerts.

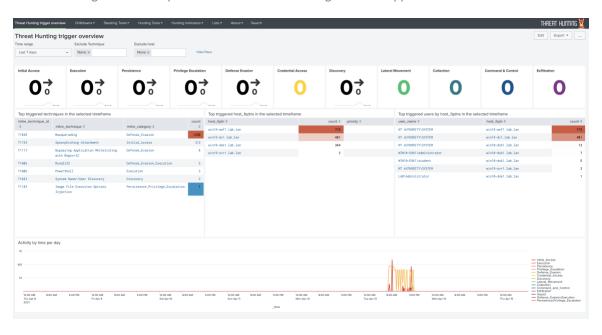
### ThreatHunting App

The threat hunting app has been installed in the lab environment. There is some sample data there to view it in action. Open the app by choosing Threat Hunting from the apps menu:





There are a large number of prebuilt searches based on Sigma in this app.



End of Lab