

Blue Team Level 1 Certification
(Standard)

Introduction to BTL1

Welcome to Blue Team Level 1

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Activity) Writing Sigma Rules

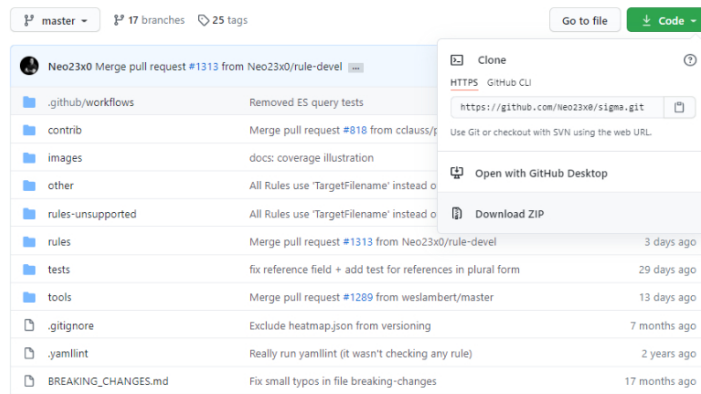
Blue Team Level 1 Certification (Standard) > SI4) Correlation > Activity) Writing Sigma Rules

IN PROGRESS

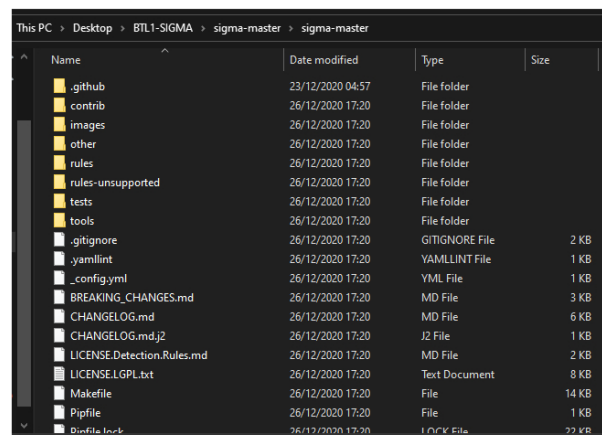


In this activity you're going to be taking a look at some Sigma rules and writing your own by editing a pre-built rule. The purpose of this activity is to get you familiar with a vendor-agnostic detection format that can be applied to major SIEM providers, but also to develop your ability to think logically about detections.

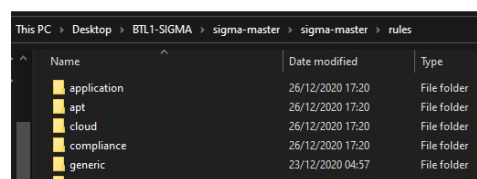
First, you'll need to go download the Sigma master ZIP file from the Github:



Once you have the .ZIP file we need to extract the contents. To make things easier create a folder on your Desktop called 'BTL1-SIGMA', move the downloaded ZIP file to this folder, then extract it.



Open the 'rules' folder – we're presented with a number of sub-folders that contain some basic rules:



- ☐ IR1) Introduction to Incident Response
 - ☒ 8 Topics 1 Quiz
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BTL EXAM
 - ☐ Exam Preparation
 - ☐ Using RDP and SSH
 - ☐ How to Start Your Exam

So, we know that this rule is used to detect potential [DNS tunneling](#) for command-and-control communication by looking for a large number of queries to domains, and will alert when 1001 or more requests have been observed by looking at DNS logs.

Now it's your turn to make some changes, allowing us to detect some specific activity. Read the intelligence briefing below and try to make changes to this existing rule file to reflect the information provided.

Intelligence Briefing

We've recently observed a new type of malware that we have named 'TRANSPORTER' which uses DNS tunneling to provide a command-and-control channel across the internet, allowing an attacker to send commands to infected systems. As DNS traffic is extremely common in environments this traffic blends in and does not immediately look suspicious. DNS packets contain many fields and headers in which data can be concealed.

At the time of writing, we have only observed one domain name that is being used to send and receive C2 traffic, which we have included below. Speaking with one victim we observed that their SIEM did not detect this activity as they were not monitoring for excessive DNS queries to domains.

Domain Name: redhunt.net
Average Number of Requests: 500
MITRE ATT&CK Techniques Used: T1071.004 (Application Layer Protocol: DNS)

Tips

- You can remove the 'id' and 'modified' lines from the existing rule as they are not required.
- Use the 'title' and 'description' lines to include information from the above intel briefing.
- Consider the average number of requests, we should alert on something that is lower than this to catch any infections where the traffic count falls below this average.

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