Exercise 2: Configuring Detection RulesLab 3: Detection Capabilities

Exercise 2: Configuring Detection Rules

In this exercise, you will work with FortiAnalyzer custom handlers to detect and trigger events for specific aspects of the adversary Group ABC behaviors.

Configure Custom Handlers

You will configure a data selector and some custom event handlers on FortiAnalyzer. These custom event handlers cover the following aspects of Group ABC behaviors:

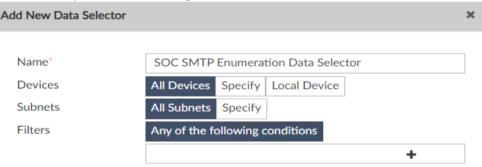
- · Reconnaissance using the Gather Victim Identity Information subtechnique
- Initial access using the Spearphishing Attachment subtechnique

To configure the data selector

- 1. On the bastion host, in Chrome, log in to the FAZ-SiteB GUI (10.200.4.238) with the following credentials:
- Username: admin
- Password: Fortinet1!
- 2. Click Incidents & Events > Handlers.
- 3. On the **Data Selectors** tab, click **Create New**.
- 4. In the Add New Data Selector window, configure the following settings:

Field Value SOC SMTP Enumeration Data Name Selector Device **All Devices** S Subnet All Subnets

Filters Any of the following conditions



5. Click + to add a new filter.

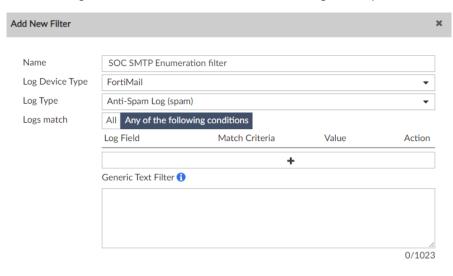
Field

6. In the **Add New Filter** window, configure the following settings:

i icia	Value
Name	SOC SMTP Enumeration filter
Log Device Type	FortiMail
Log Type	Anti-Spam Log (spam)
Logs match	Any of the following conditions
7. Click x to	remove the default Logs match conditions

Value

Your configuration should match the following example:



- 8. Click OK.
- 9. Click OK.

Field

Name

To configure the notification profile

1. Continuing on the FAZ-SiteB GUI, click the **Notification Profile** tab.

Value

SOC SMTP Enumeration Alert

- 2. Click Create New.
- 3. Configure the following settings:

Send Alert Email	Enabled			
То	admin@acmecorp.net			
From	admin@acmecorp.	net		
Subject Adversaries are scanning accounts		anning for email		
Email Server	Mail Server: 10.200	0.200.100		
Add New Notification Profile		×		
Name*		SOC SMTP Enumeration Alert		
Send Alert through Fabric Connectors		•		
Send Alert Email		•		
То		admin@acmecorp.net		
From		admin@acmecorp.net		
Subject		Adversaries are scanning for email accounts		
Email Server		Mail Server: 10.200.200.100 ▼		
Send SNMP(v1/v2)) Trap			
Send SNMP(v3) Tra	ар	3		
Send Alert to Syslog Server		3		
Send Each Alert Se	parately 1			

4. Click OK.

To configure custom event handlers to detect SMTP enumeration

- 1. Continuing on the FAZ-SiteB GUI, click the **Basic Handlers** tab.
- 2. Click Create New.
- 3. Configure the following settings:

Field Value

Status Enabled

Name SOC SMTP Enumeration Data Handler

Description Adversaries may gather email addresses that can be used during

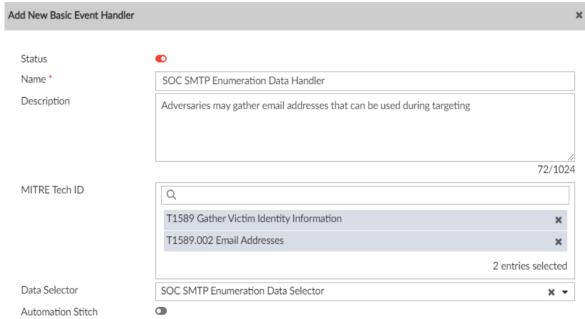
targeting

T1589 Gather Victim Identity Information

MITRE Tech

ID T1589.002 Email Addresses

Data Selector SOC SMTP Enumeration Data Selector



- 4. In the Rules section, click Add New Rule.
- 5. Click x to remove the default values in the Log Field, Match Criteria, Value, and Action fields.



6. In the Add New Rule window, configure the following settings:

Field Value

Status Enabled

Name SOC Antispam Rule 1

Event Severity High Log Device Type FortiMail

Log Type Anti-Spam Log (spam)

Log Field Device Name (devname) | From (from) | Device ID

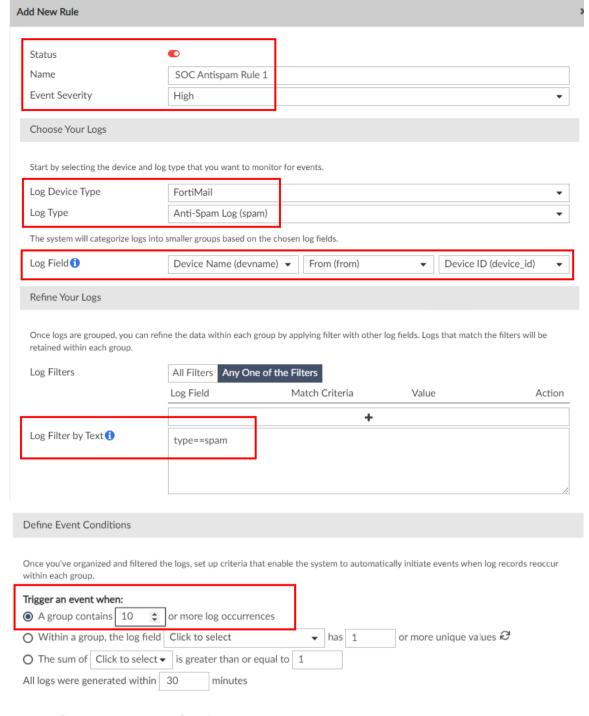
(device_id)

Log Filters Any One of the Filters

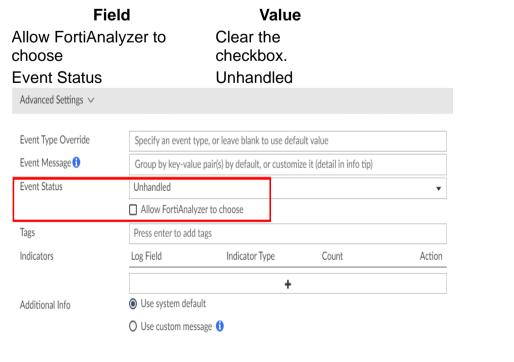
Log Filter by Text type==spam

Trigger an event

when A group contains 10 or more log occurrences

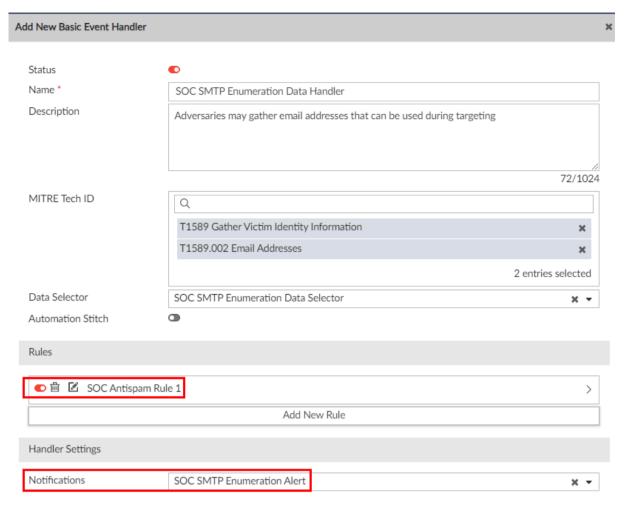


- 7. Click Advanced Settings.
- 8. Configure the following settings:



9. Click OK.

10. In the **Notifications** field, select **SOC SMTP Enumeration Alert**.



11. Click **OK**.

To configure a notification profile for a spearphishing attack

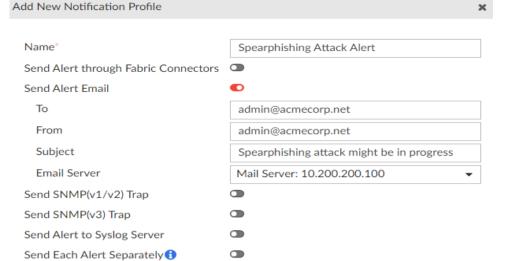
Value

- 1. Continuing on the FAZ-SiteB GUI, click the Notification Profile tab.
- 2. Click Create New.

Field

3. Configure the following settings:

Name	Spearphishing Attack Alert
Send Alert Email	Enabled
То	admin@acmecorp.net
From	admin@acmecorp.net
Subject	Spearphishing attack might be in progress
Email Server	Mail Server: 10.200.200.100



4. Click OK.

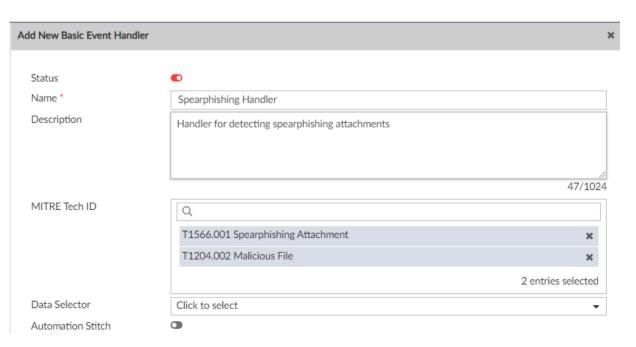
Fiold

To configure custom event handlers to detect a spearphishing attachment

Value

- 1. Continuing on the FAZ-SiteB GUI, click Basic Handlers.
- 2. Click Create New.
- 3. In the Add New Basic Event Handler window, configure the following settings:

rieiu	value
Status	Enabled
Name	Spearphishing Handler
Description	Handler for detecting spearphishing attachments
	T1566.001 Spearphishing Attachment
MITRE Tech ID	T1204.002 Malicious File



- 4. Click Add New Rule.
- 5. In the Add New Rule window, configure the following settings:

Field Value

Status Enabled

Name Spearphishing Rule 1

Event Severity Critical

Field Value

Log Device Type **FortiSandbox**

Log Type Antivirus Log (malware)

Malware Name (mname) | Source Endpoint (endpoint) | File Name Log Field

(fname)

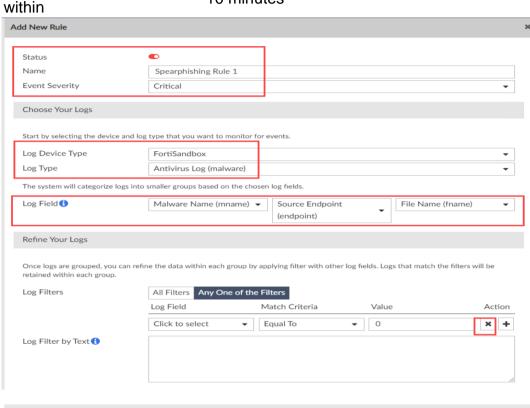
Log Filters Any One of the Filters

Click x to remove the default values in the Log Field, Match Criteria, Value, and Action fields.

Trigger an event when A group contains 1 or more log occurrences

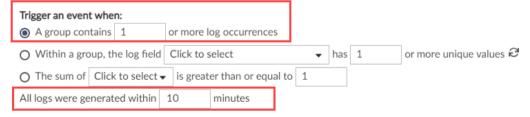
All logs were generated

10 minutes

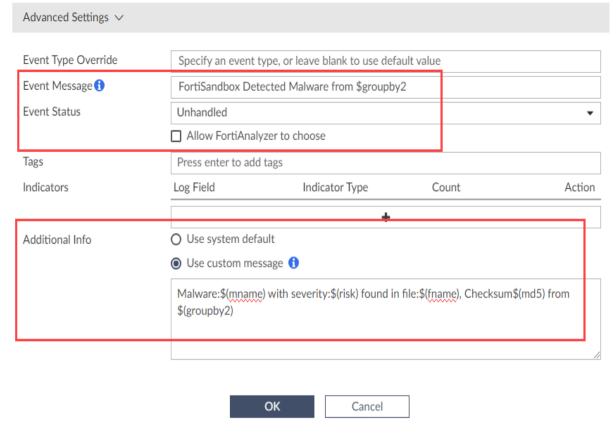


Define Event Conditions

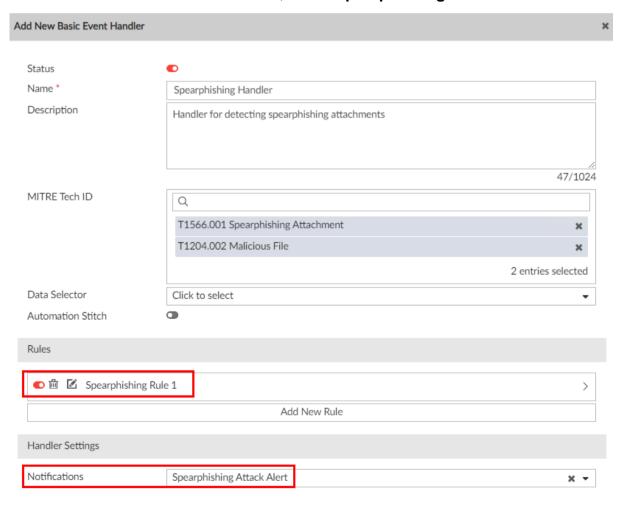
Once you've organized and filtered the logs, set up criteria that enable the system to automatically initiate events when log records reoccur within each group.



- 6. Click **Advanced Settings** to view more settings.
- 7. In the **Event Message** field, type FortiSandbox Detected Malware from \$groupby2.
- 8. Clear the Allow FortiAnalyzer to choose checkbox.
- 9. In the Event Status field, select Unhandled.
- 10. In the Additional Info field, select Use custom message, and then in the text box, type Malware:\$(mname) with severity:\$(risk) found in file:\$(fname), Checksum\$(md5) from \$(groupby2).



- 11. Click **OK**.
- 12. In the Notifications field, select Spearphishing Attack Alert.



13. Click **OK**.



Due to time constraints, there are additional custom event handlers, which will be used in this lab guide, that have been preconfigured for you.

The goal of this lab is for you to understand the concepts of configuring different elements of

event handlers using the examples above.

LAB-3 > Configuring Detection Rules Outline preview

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