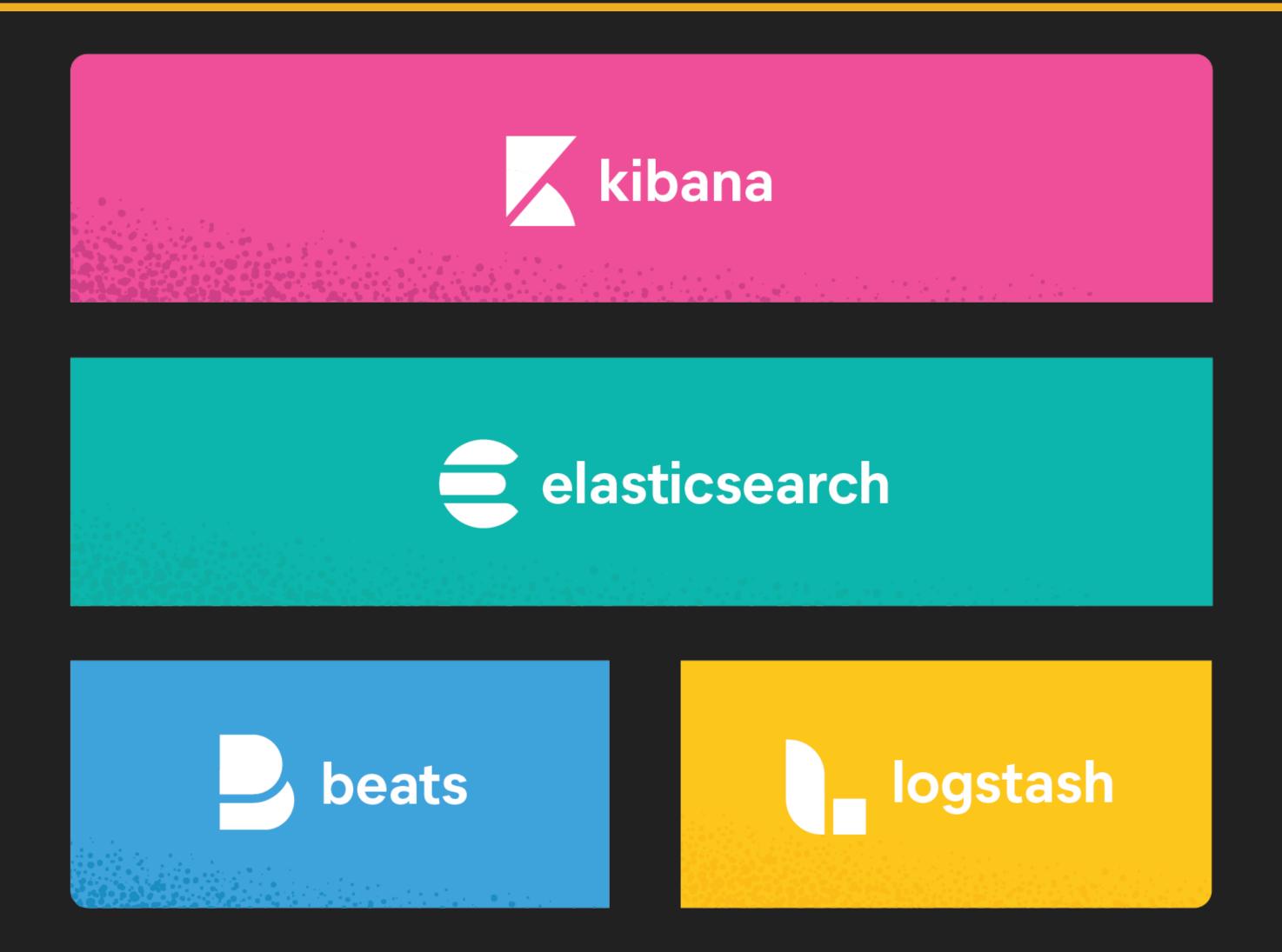
Identifier (et bloquer!) les menaces avec Elastic Security

David Pilato @dadoonet
Developer | Evangelist





La suite Elastic





3 solutions



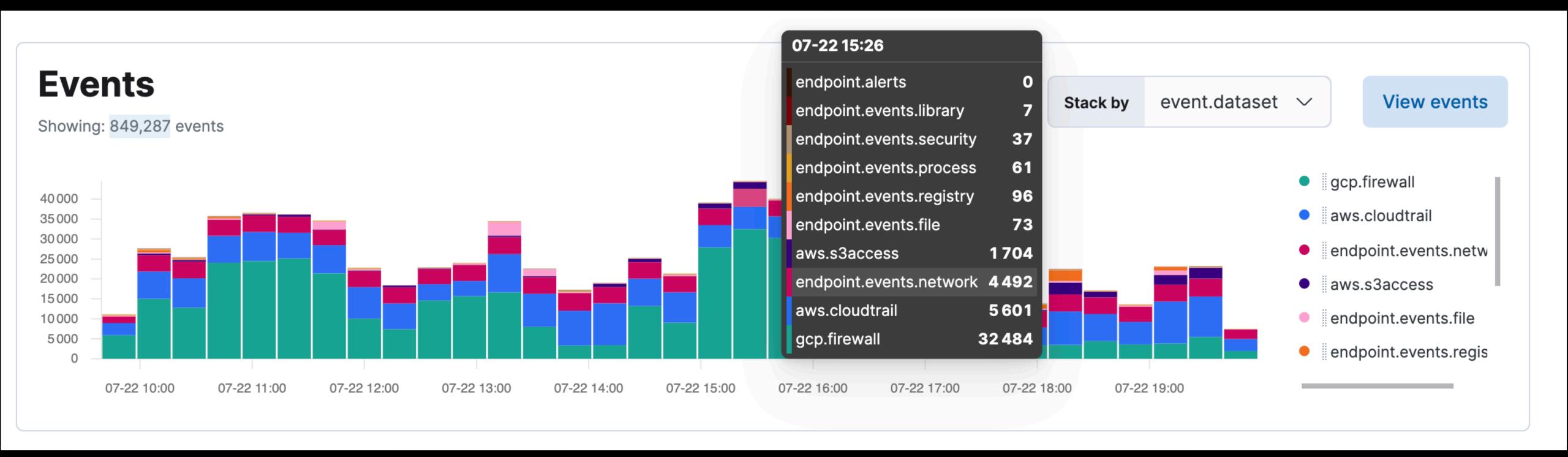


Elastic Stack

Live Demo



Backup slides



gcp.firewall 40 000 aws.cloudtrail 35 000 30 000 endpoint.events.netw

Windows Defender Exclusions, which

PID spoofing.

has been used in recent campaigns, as

well as a rule to resiliently detect parent



Take action $\,\,\,\,\,\,\,\,\,\,$

ML job settings ∨



Add data



 \times

Security

Security Alerts

Overview

Detect

Alerts

Rules

Exceptions

Explore

Hosts

Network

Investigate

Timelines

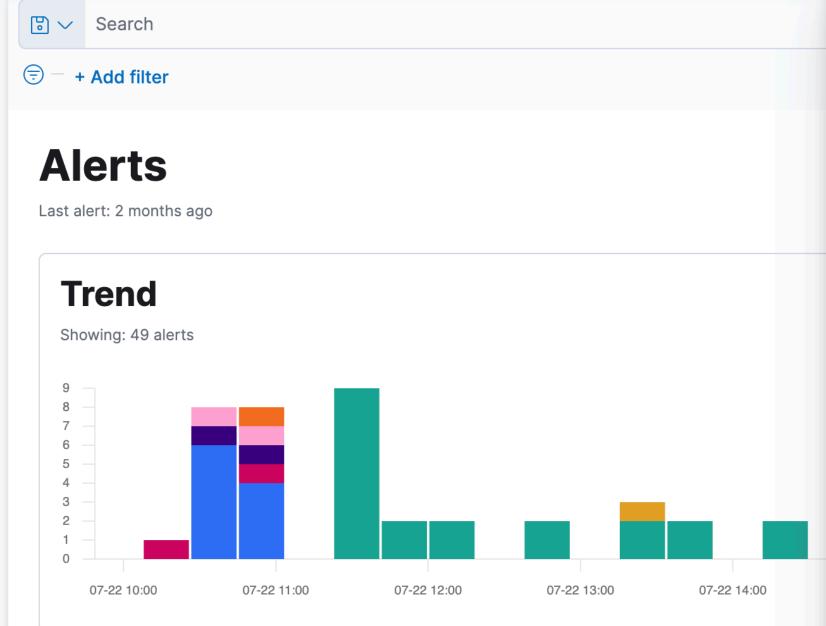
Cases

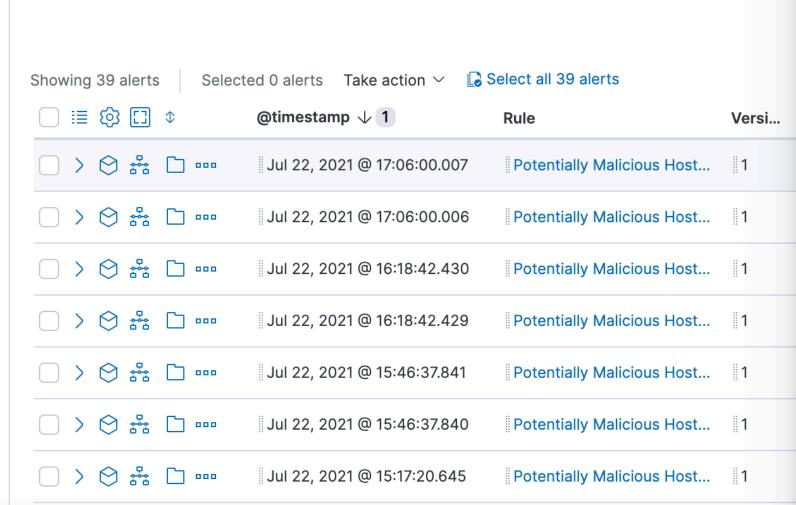
Manage

Endpoints

Trusted applications

Event filters





Alert details

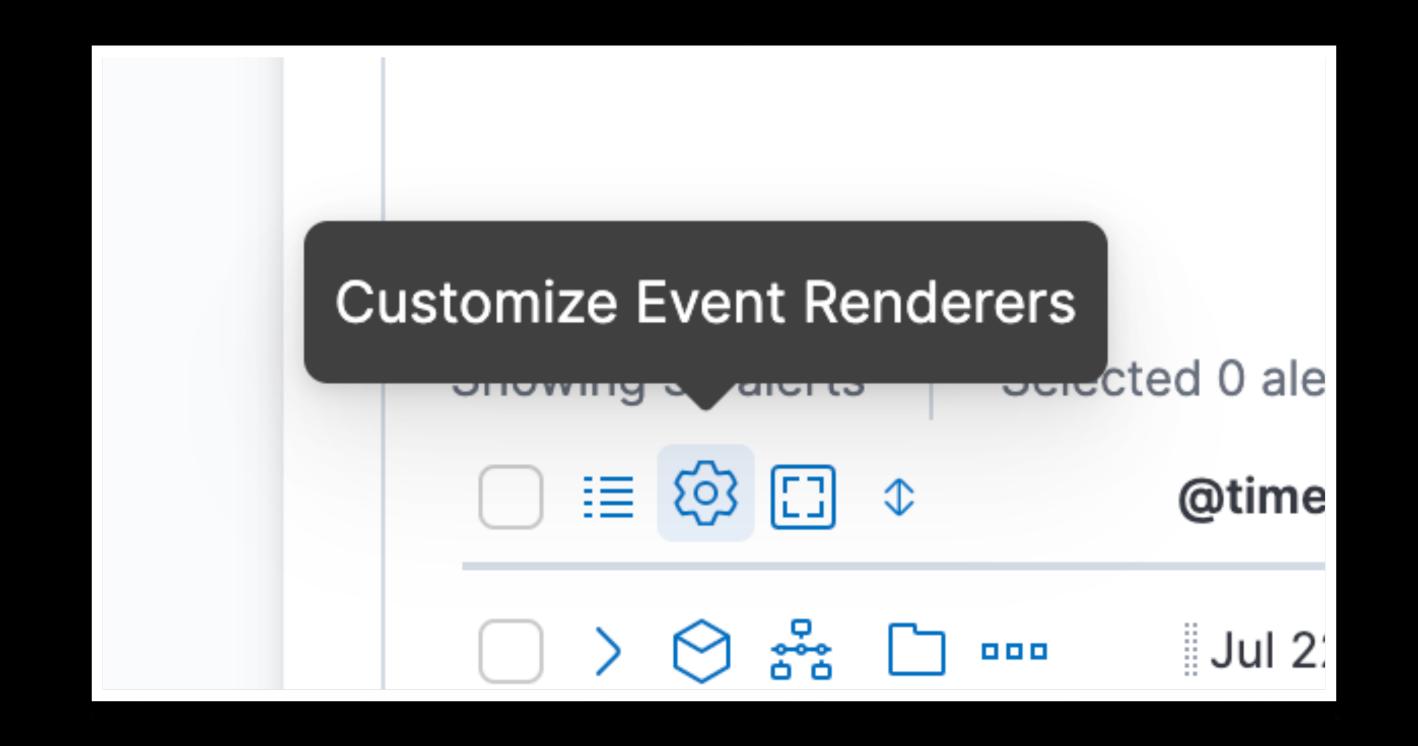
Message

DNS query is completed for the name cdnverify.net, type 28, query options 2251800887582720 with status 0 Results ::ffff:35.198.74.222;

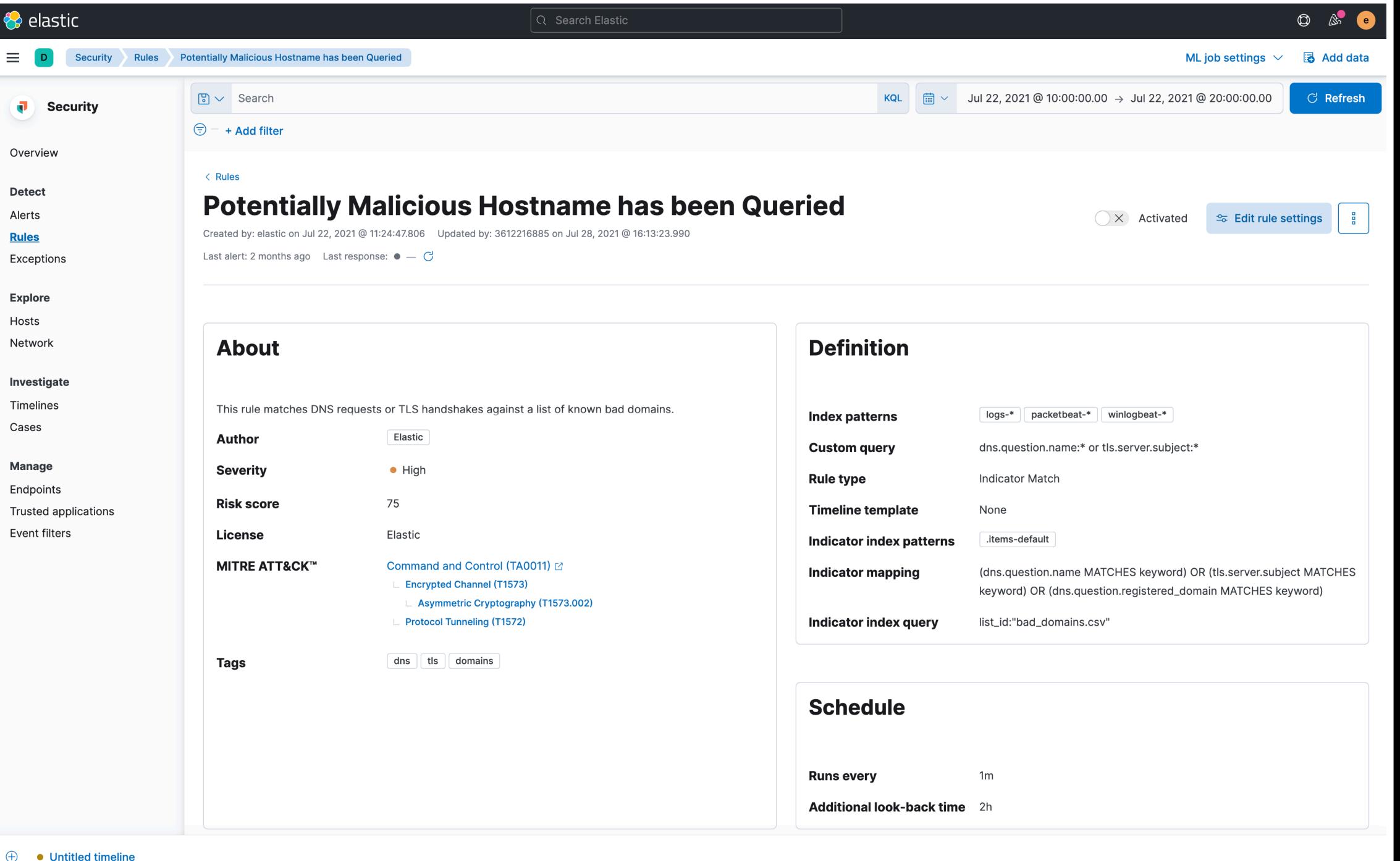
Summary	Threat Intel (1)	Table	JSON View
---------	------------------	-------	-----------

○ Filter by Field, Value, or Description...

	Field	Value
	(@timestamp ()	Jul 22, 2021 @ 17:06:00.007
	t ∥_id ①	3c88e5a72afcc138bd1549cc03488a030ee375127aad cbf3efc3d4bcc24cae34
	t _index ③	.siem-signals-default-000001
	<pre>②_score</pre>	1
	<pre>_type</pre>	_doc
	t agent.id ①	41101bae-5b6d-4be8-b163-229b41ce8576
	t agent.type ①	endpoint
	t agent.version ①	7.14.0
	t data_stream.dataset	endpoint.events.network
	t data_stream.namespace	default
	t data_stream.type	logs
	② dns.Ext.options	4294967295









Rules Potentially Malicious... Edit











Detect

Alerts

<u>Rules</u>

Exceptions

Explore

Hosts

Network

Investigate

Timelines

Manage

Cases

Endpoints

Trusted applications

Event filters

< Back to Potentially Malicious Hostname has been Queried

Edit rule settings

Definition Actions About Schedule **Definition** Rule type Indicator Match Use indicators from intelligence sources to detect matching events and alerts. ✓ Selected Index patterns × winlogbeat-* × packetbeat-* × Enter the pattern of Elasticsearch indices where you would like this rule to run. By default, these will include index patterns defined in Security Solution advanced settings. Import query from saved timeline **Custom query** KQL dns.question.name:* or tls.server.subject:* ⇒ + Add filter Indicator index patterns × .items-default imesSelect threat indices Indicator index query ⇒ - + Add filter **Indicator mapping** Field Indicator index field

Edit rule settings

Schedule

Runs every

1 Minutes
Rules run periodically and detect alerts within the specified time frame.

Additional look-back time Optional

2 Hours

Adds time to the look-back period to prevent missed alerts.













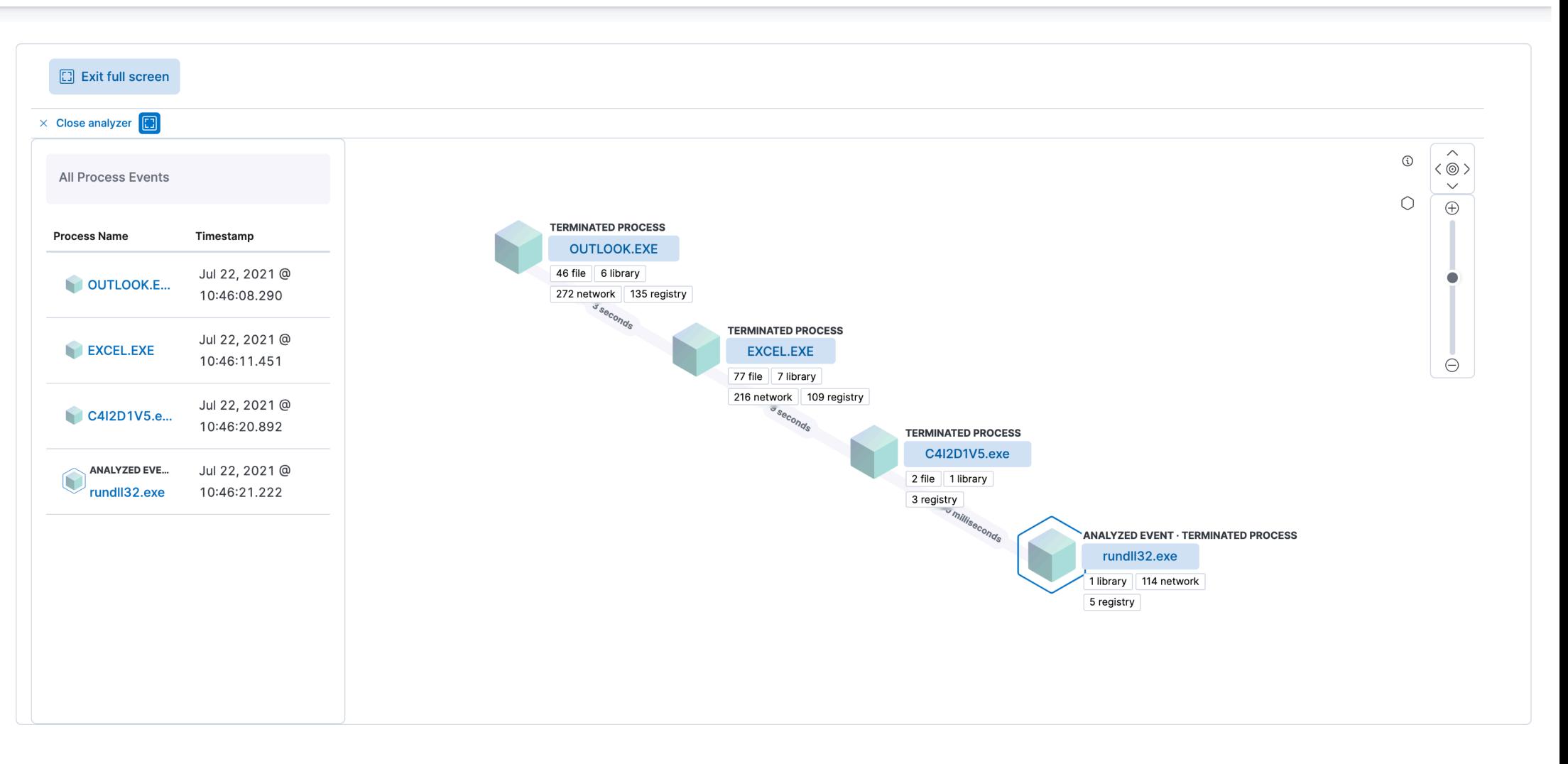
8 elastic

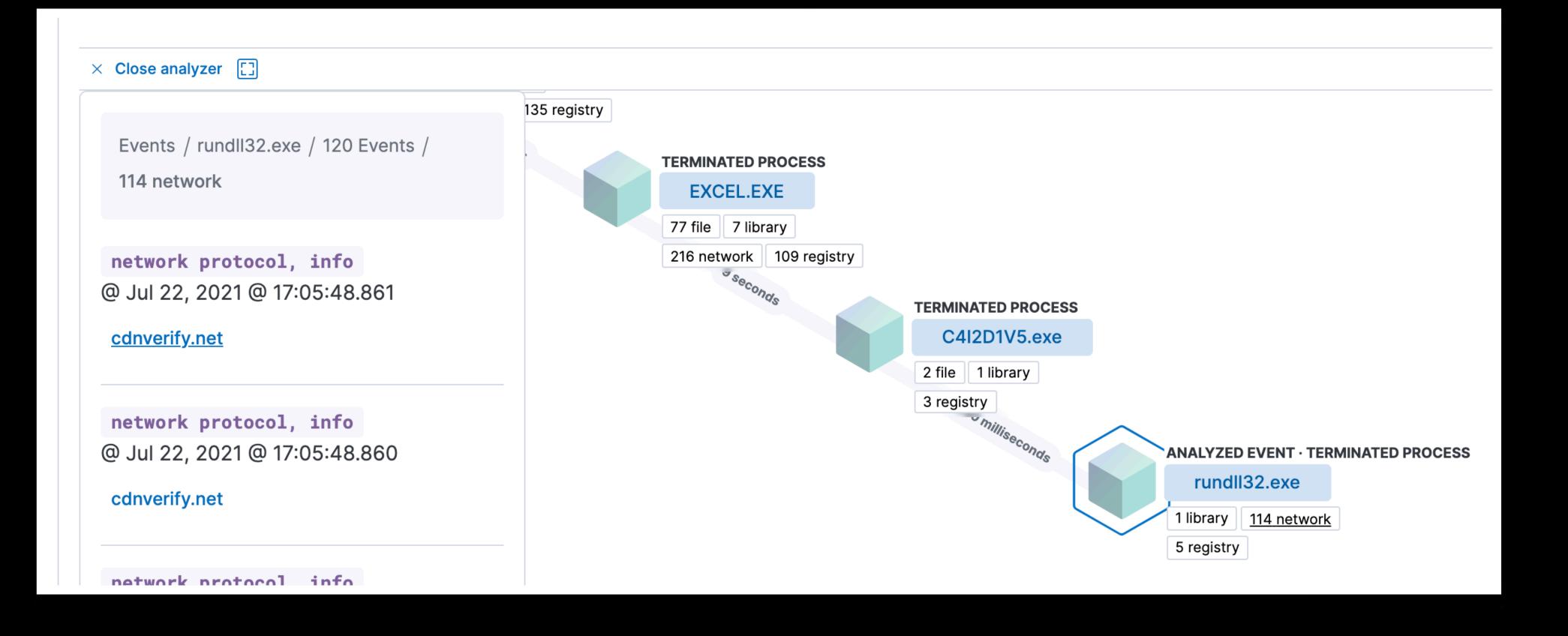


Security Alerts

Add data ML job settings ∨

 \Longrightarrow





dns.Ext. options

name

dns

4294967295

dns.question.

cdnverify.net

dns.question. type

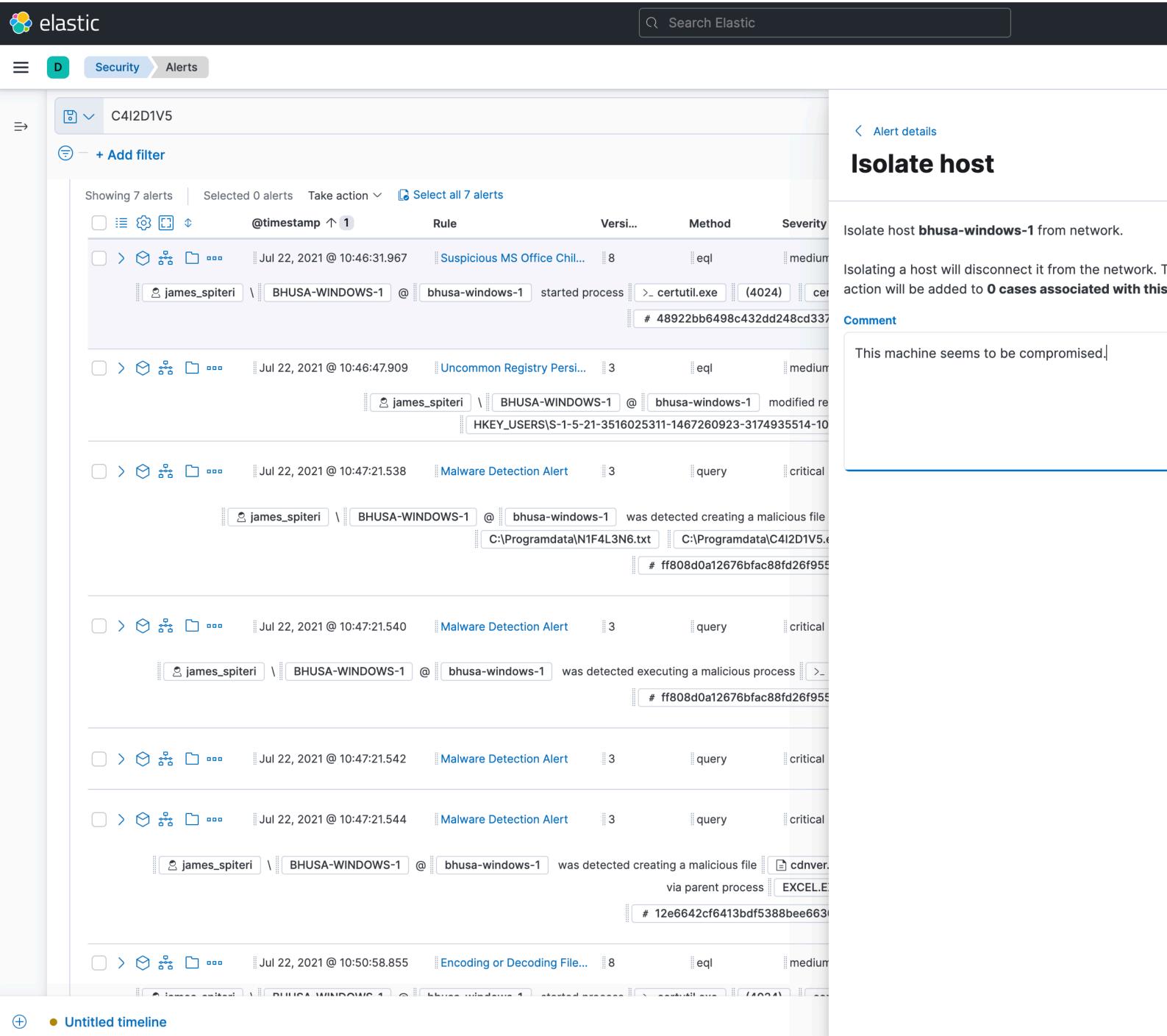
AAAA

message

message

DNS query is completed for the name cdnverify.net, type 28, query options 2251800887582720 with status 0 Results ::ffff:35.198.74.222;

network



ML job settings ✓ ■ Add data

Isolating a host will disconnect it from the network. The host will only be able to communicate with the Kibana platform. This action will be added to **0** cases associated with this host.

Cancel

Confirm

X

Hosts running Endpoint Security





Add data





Security Endpoints



Overview

Detect

Alerts

Rules

Exceptions

Explore

Hosts

Network

Investigate

Timelines

Cases

Manage

Endpoints

Trusted applications

Event filters

bhusa-windows-1 **Endpoints**

Overview

Search 1 Host **Agent Status Integration Policy** Hostname bhusa-windows-1 Unhealthy BHUSA Fleet rev. 3 Rows per page: 10 ∨

Activity Log

€ elastic submitted request: Release host · Jul 21, 2021 @ 19:12:49.639

This machine seems to be compromised.

elastic submitted request: Isolate host · 1 minute ago

All clear 🙌

•

•

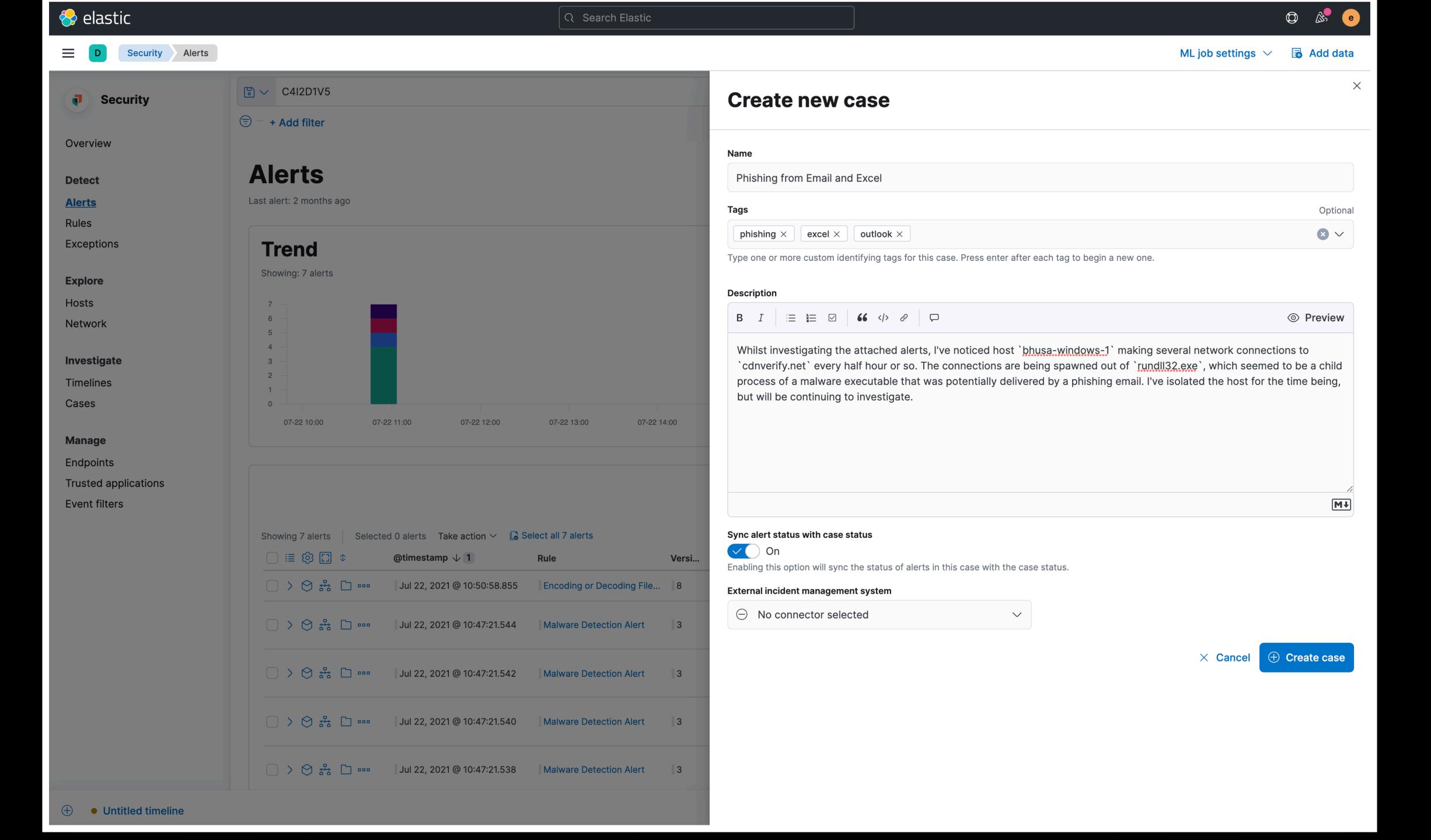
elastic submitted request: Isolate host · Jul 21, 2021 @ 19:09:46.733

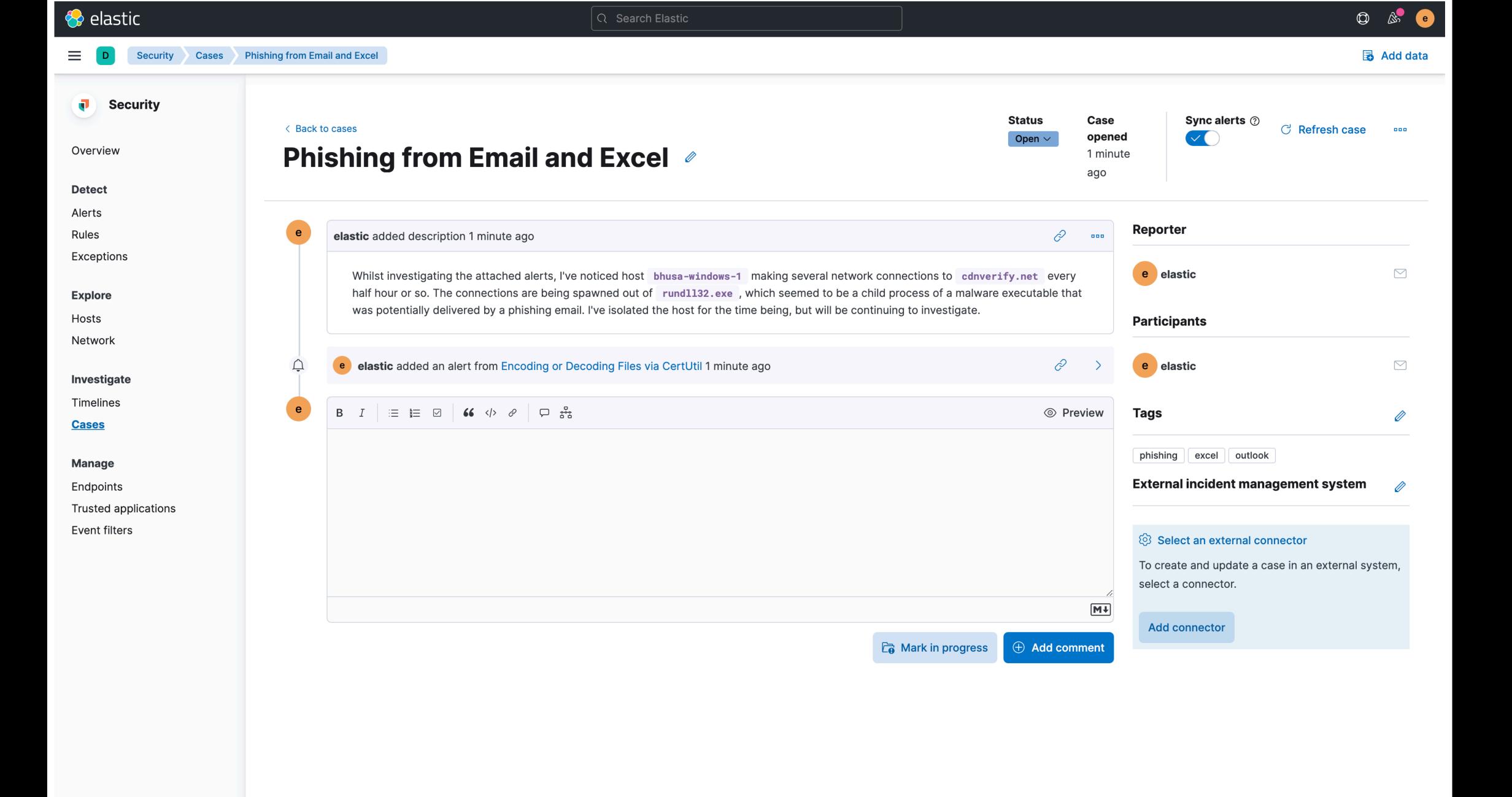
Unusual Network Requests

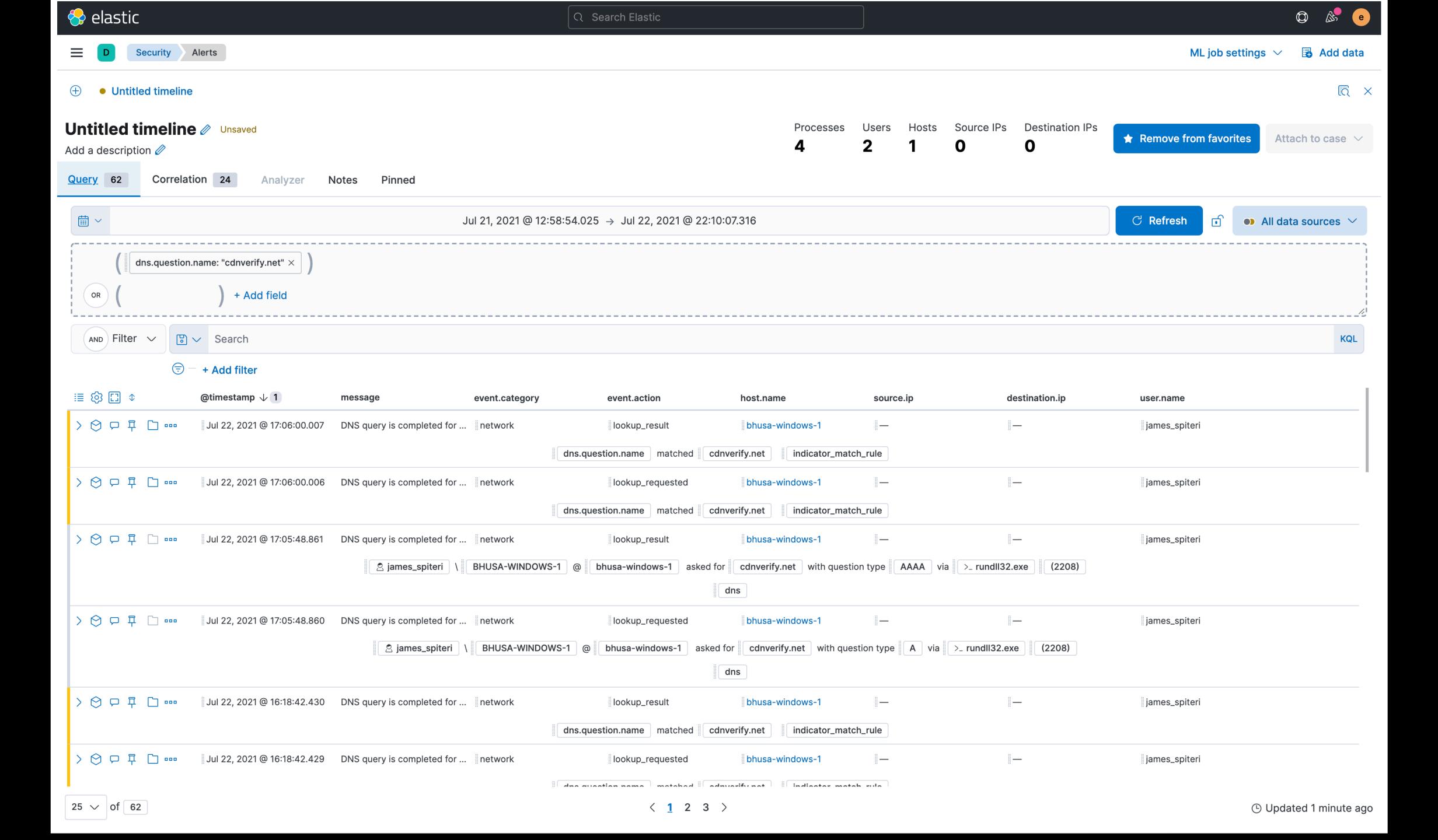




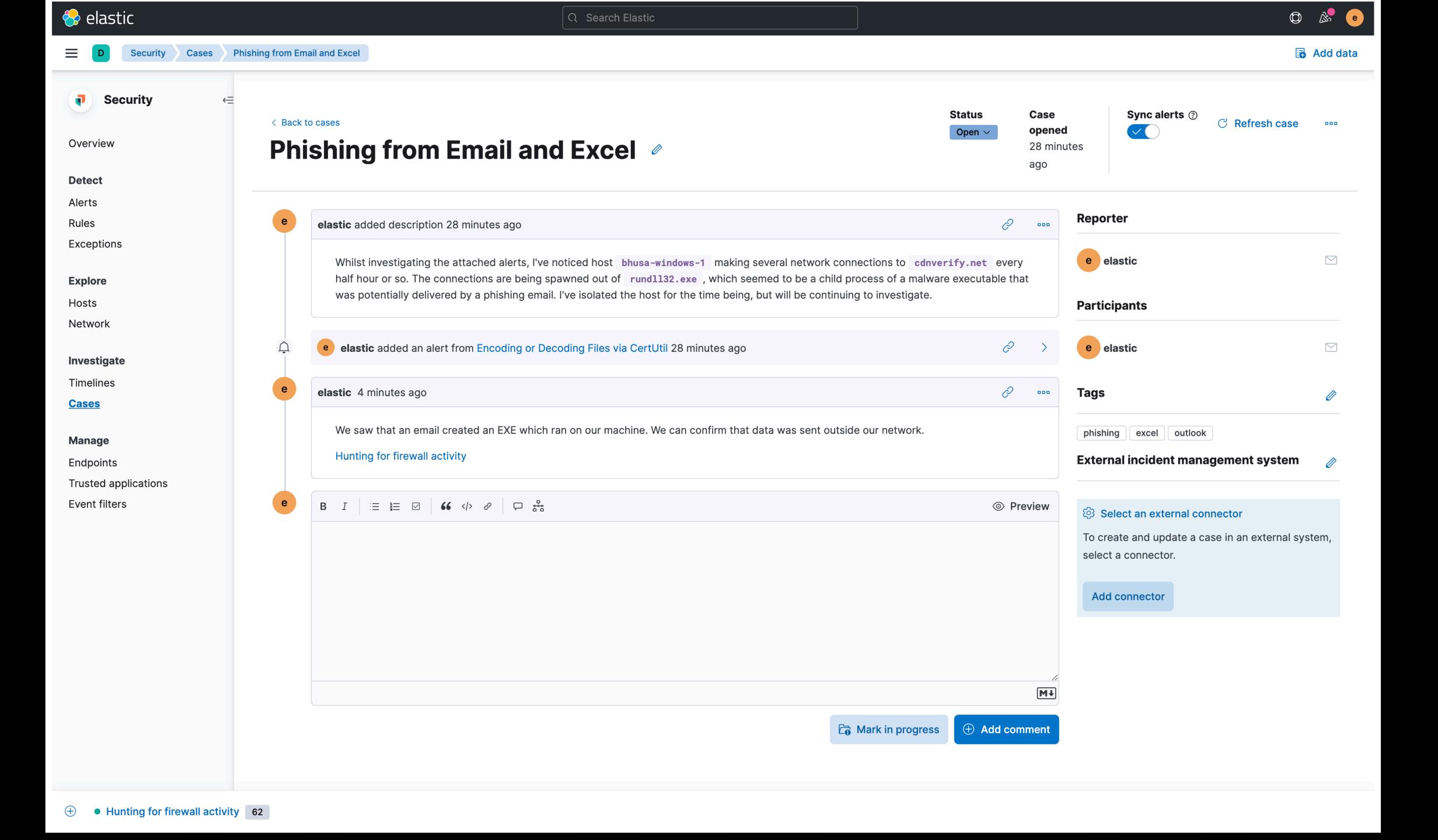








	@timestamp	message	event.category	event.action	host.name	source.ip	destination.ip
夕	Jul 22, 2021 @ 10:46:22.935	Endpoint network event	network	connection_attempted	bhusa-windows-1	10,132.0.52	35.198.74.222
夕東 /	Jul 22, 2021 @ 10:46:23.011	<u></u>	network	firewall-rule	james-fleet-714	10,132.0.52	35.198.74.222



Q Open In progress Closed Additional filters ~ Showing 39 alerts Selected 0 alerts Take action ✓ Select all 39 alerts @timestamp ↑ 1 Rule Risk Score Versi... Method Severity event.module event.action □ > ♦ ♣ □ ••• Jul 22, 2021 @ 10:46:00.844 Hosts File Modified 47 5 eql medium endpoint rename james_spiteri \ **BHUSA-WINDOWS-1** @ bhusa-windows-1 renamed a file hosts in C:\Windows\System32\drivers\etc\hosts from its original path (5512) C:\Users\james_spiteri\Desktop\hosts via >_ dllhost.exe □ > ♦ ♣ □ … Jul 22, 2021 @ 10:46:31.967 Suspicious MS Office Chil... 8 47 endpoint medium start eql BHUSA-WINDOWS-1 @ bhusa-windows-1 started process >_ certutil.exe (4024)C:\Programdata\N1F4L3N6.txt james_spiteri certutil -decode C:\Programdata\C4I2D1V5.exe via parent process EXCEL.EXE (7444) # 48922bb6498c432dd248cd337f4dcee0bfe77ee3ecbb1f8020d6db1f135e8e00 □ > ♦ ♣ □ ••• Jul 22, 2021 @ 10:46:47.909 Uncommon Registry Persi... 3 47 modification eql medium endpoint

HKEY_USERS\S-1-5-21-3516025311-1467260923-3174935514-1000\Environment\UserInitMprLogonScript via >_ C4I2D1V5.exe

bhusa-windows-1 modified registry key S-1-5-21-3516025311-1467260923-3174935514-1000\Environment with new value

(4208)

james_spiteri

BHUSA-WINDOWS-1 @

Timelines \Diamond Cases 🙎 jan **Endpoints** Management \vee \Diamond **Dev Tools** Integrations 🙎 jan Fleet <u>Osquery</u> - Stack Osquery oring Stack Management











😂 elastic



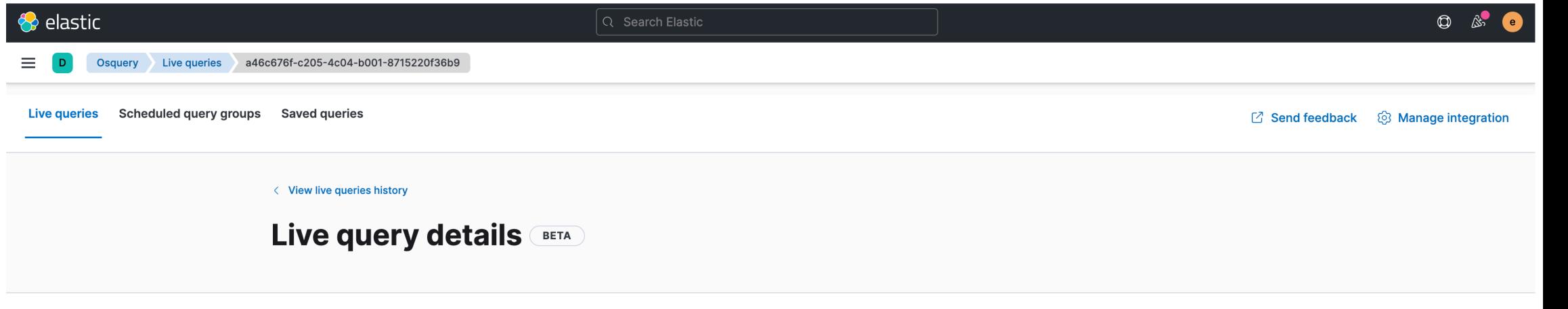
Osquery Live queries

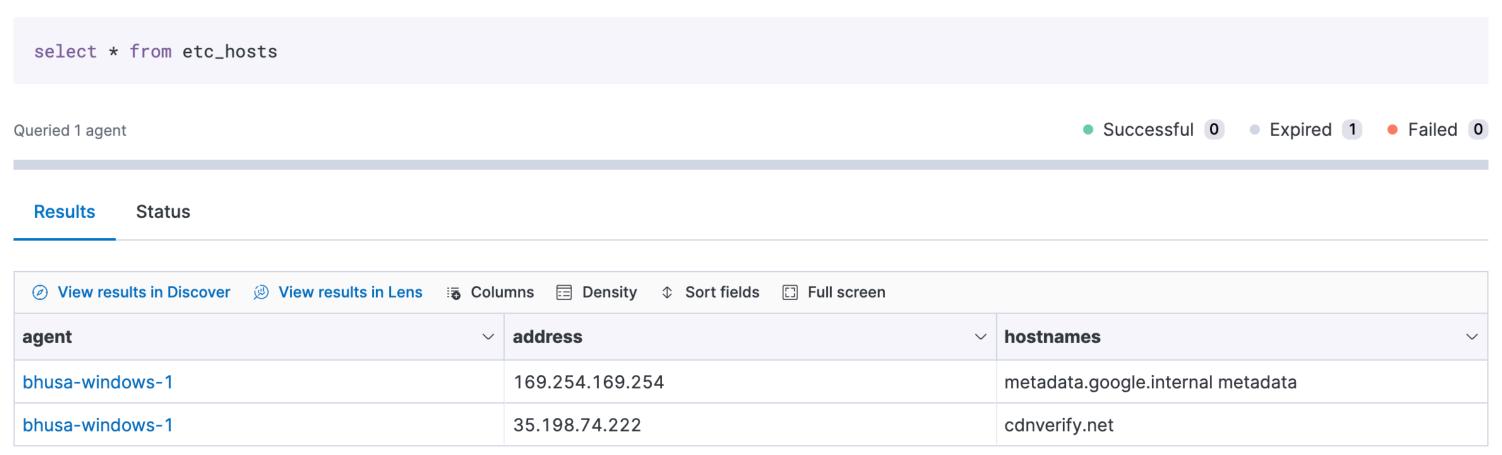
Live queries Scheduled query groups Saved queries

Live queries history BETA



Query	Agents	Created at	Run by	View details
select * from etc_hosts	1	28 Jul 2021 08:43	elastic	\triangleright
select * from etc_hosts	1	28 Jul 2021 08:43	elastic	\triangleright
select * from etc_hosts	1	22 Jul 2021 16:57	elastic	\triangleright
select * from etc_hosts	1	22 Jul 2021 15:40	elastic	\triangleright
select * from etc_hosts	1	22 Jul 2021 11:29	elastic	\triangleright
<pre>select * from scheduled_tasks where name == "AppPool"</pre>	1	21 Jul 2021 19:55	elastic	D ==
select * from logon_sessions	1	21 Jul 2021 19:32	elastic	\triangleright
select * from logged_in_users	1	21 Jul 2021 19:30	elastic	D ==
Rows per page: 20 ∨				< <u>1</u> >

















Detect

Overview

Alerts

Rules

Exceptions

Explore

Hosts

Network

Investigate

Timelines

Cases

Manage

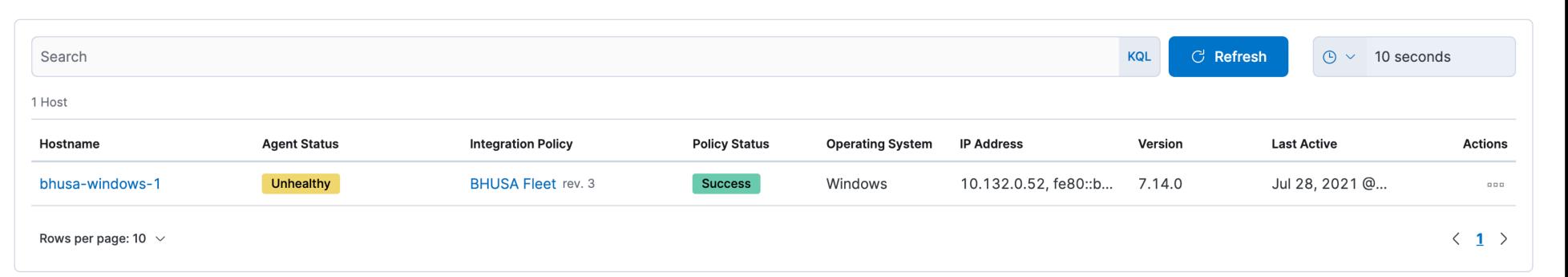
Endpoints

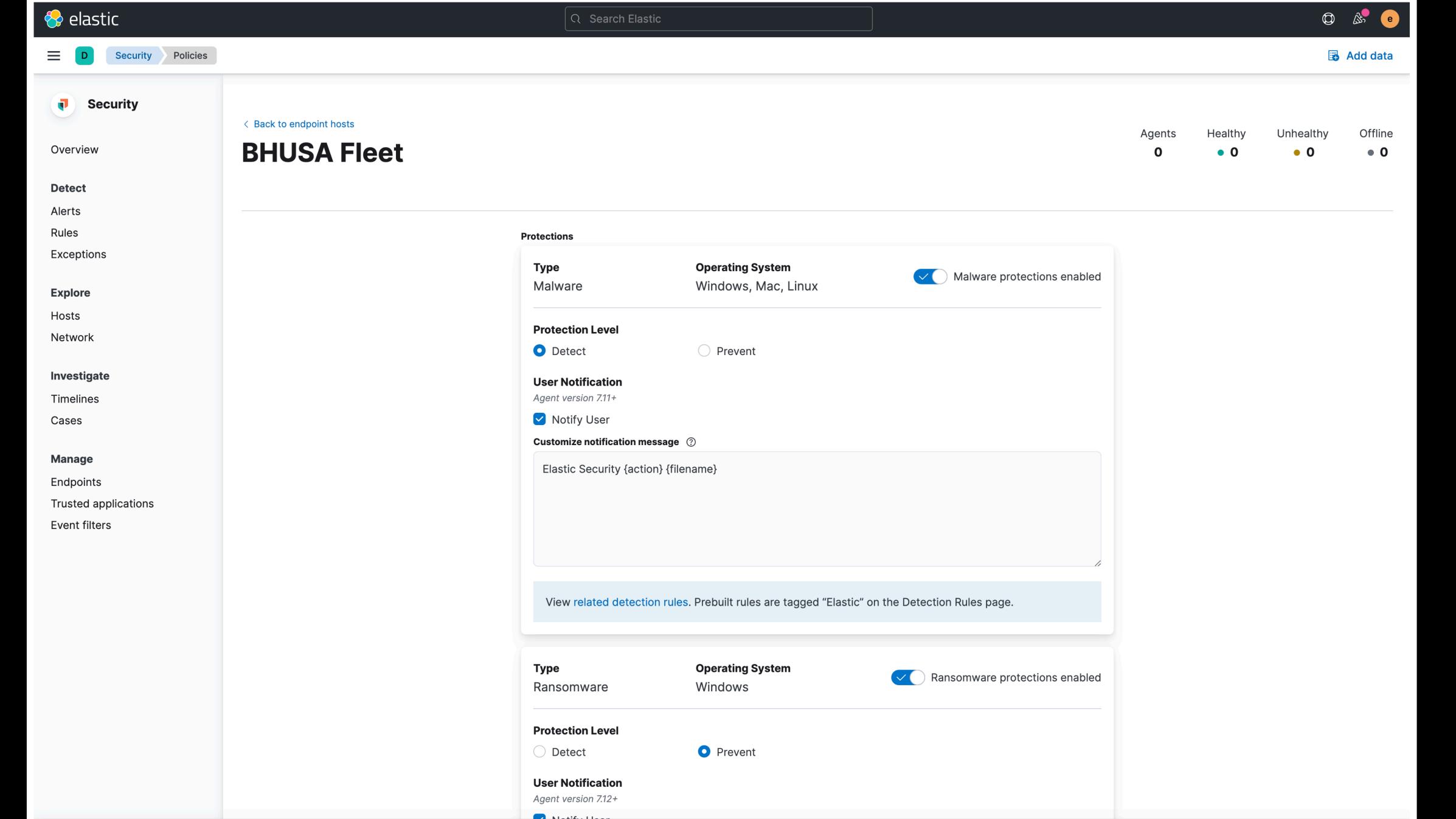
Trusted applications

Event filters

Endpoints

Hosts running Endpoint Security





Merci

