

Add elastic-agent to DShield Sensor

TLS Certificate is Need to Connect to ELK

Login the ELK server home user account and copy the ca.crt to ~.

```
$ sudo cp /var/lib/docker/volumes/dshield-elk_certs/_data/ca/ca.crt .
```

From the DShield sensor, copy the certificate to this directory

```
$ sudo chown guy:guy ca.crt (change it to your username:username)
```

```
$ sudo mv ca.crt /usr/local/share/ca-certificates
```

```
$ sudo update-ca-certificates
```

```
Updating certificates in /etc/ssl/certs...
```

Add ELK IP to DShield sensor:

```
$ sudo su -
```

```
# echo "192.168.25.231 fleet-server" >> /etc/hosts
```

```
# echo "192.168.25.231 es01" >> /etc/hosts
```

To add elastic-agent to DShield sensor do

Management -> Fleet -> Agent policies -> Create agent policy:

Create agent policy

Agent policies are used to manage settings across a group of agents. You can add integrations to your agent policy to specify what data your agents collect. When you edit an agent policy, you can use Fleet to deploy updates to a specified group of agents.

Name

DShield Sensor

☒ Collect system logs and metrics ⓘ

Advanced options

Description

Add a description of how this policy will be used.

DShield Sensor Logs

Default namespace

Namespaces are a user-configurable

default

Select: Create agent policy

After the policy is created, select the policy (DShield Sensor), Actions -> Add agent

Pick RPM and copy line 2 & 3 and add configure your request like this:

```
sudo elastic-agent enroll \
--url=https://fleet-server:8220 \
--certificate-authorities=/usr/local/share/ca-certificates/ca.crt \
--enrollment-token=RVFibEo0MEJKRzNBbINzWHJCb3U6dy1WemJnRnVRVzJJZTdDX29PR2Ftdw== \
--insecure
```

If the agent confirmed that it is added, the following will show:

Agent enrollment confirmed

✓ 1 agent has been enrolled.

View enrolled agents

Incoming data confirmed

✓ Incoming data received from 1 of 1 recently enrolled agent.

This confirm the DShield sensor is now added to ELK

Fleet

Centralized management for Elastic Agents.

Agents Agent policies Enrollment tokens Uninstall tokens Data streams Settings

Ingest Overview Metrics Agent Info Metrics Agent activity Add Fleet Server Add agent




Filter your data using KQL syntax Status 4 Tags 0 Agent policy 2 Upgrade available




Showing 2 agents Clear filters Healthy 2 Unhealthy 0 Updating 0 Offline 0

<input type="checkbox"/>	Status	Host	Agent policy	CPU ①	Memory ①	Last activity	Version	Actions
<input type="checkbox"/>	Healthy	picollector	DShield Sensor rev. 1	3.87 %	224 MB	35 seconds ago	8.11.1	...
<input type="checkbox"/>	Healthy	fleet-server	Fleet Server Policy rev. 7	0.86 %	258 MB	9 seconds ago	8.11.1	...

Now we can configure the Agent policies by adding integration like we did for the Fleet Server Policy, select Agent policies -> DShield Sensor -> Add integration:

Add NetFlow Records

Integrations Settings		
<input type="text" value="Search..."/>		
Name ↑	Integration	Namespace
netflow-1 	 NetFlow Records v2.17.0	<button>default</button>
system-2	 System v1.53.0	<button>default</button>

Integrations Settings		
<input type="text" value="Search..."/>		
Name ↑	Integration	Namespace
netflow-1 	 NetFlow Records v2.17.0	<button>default</button>
system-2	 System v1.53.0	<button>default</button>

Configure softflowd Application

```
$ sudo vi /etc/softflowd/default.conf
```

Set the interface (usually eth0 for PI)

Set: options= "-v 9 -P udp -n 127.0.0.1:2055" (Must be double quotes)

Save the changes and restart the service

```
$ sudo systemctl restart softflowd
```

```
$ netstat -an | grep 2055 (Confirm softflowd is running)
```

The flows can be viewed with this dashboard

Dashboard	[Logs Netflow] Overview	✓
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