

Forcepoint

Forcepoint Data Classification

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Configuring Rancher and Fleet Agent to Run Behind a HTTP Proxy



Report

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Overview

Replace `$_PROXY_IP` with the **IP: PORT** of the corporate proxy server and `$_NODE_IP` with the **IP** or **CIDR** of the server running Kubernetes.

IMPORTANT: If you execute the Rancher registration command before configuring the Agent Environment Variables, you must need to re-run the registration command after configuring the environment variables.

Configure VM environment

1. Open the file `/etc/systemd/system/k3s.service.env` and append the following lines:

```
http_proxy="$_PROXY_IP"
```

```
https_proxy="$_PROXY_IP"
```

```
no_proxy="$_NODE_IP,localhost,127.0.0.0/8,10.0.0.0/8,172.16.0.0/12,192.168.0.0/16,.svc,.cluster.local"
```

2. Restart k3s using the following command:

```
systemctl restart k3s.service
```

Configure Rancher

1. Go to the Rancher dashboard **Menu > Cluster Management > Clusters** and click on **Edit Config** for your cluster:

The screenshot shows the Rancher Clusters management interface. On the left, there is a sidebar with navigation options: Clusters (10), Cloud Credentials, Drivers, Pod Security Policies, RKE1 Configuration, and Advanced. The main content area is titled 'Clusters' and contains buttons for 'Import Existing' and 'Create'. Below these are buttons for 'Download KubeConfig', 'Download YAML', and 'Delete'. A search bar contains the text 'focus'. A table lists the clusters:

State	Name	Version	Provider	Machines	Age
Active	focusgvdev	v1.23.6+k3s1	K3s	1	
Active	focusgvqa	v1.23.6+k3s1	K3s	1	

A context menu is open over the 'focusgvqa' cluster, showing the following options: 'Kubectl Shell', 'Download KubeConfig', 'Edit Config' (highlighted), 'View YAML', 'Download YAML', and 'Delete'.

figure 1.

2. Go to **Advanced Options**:

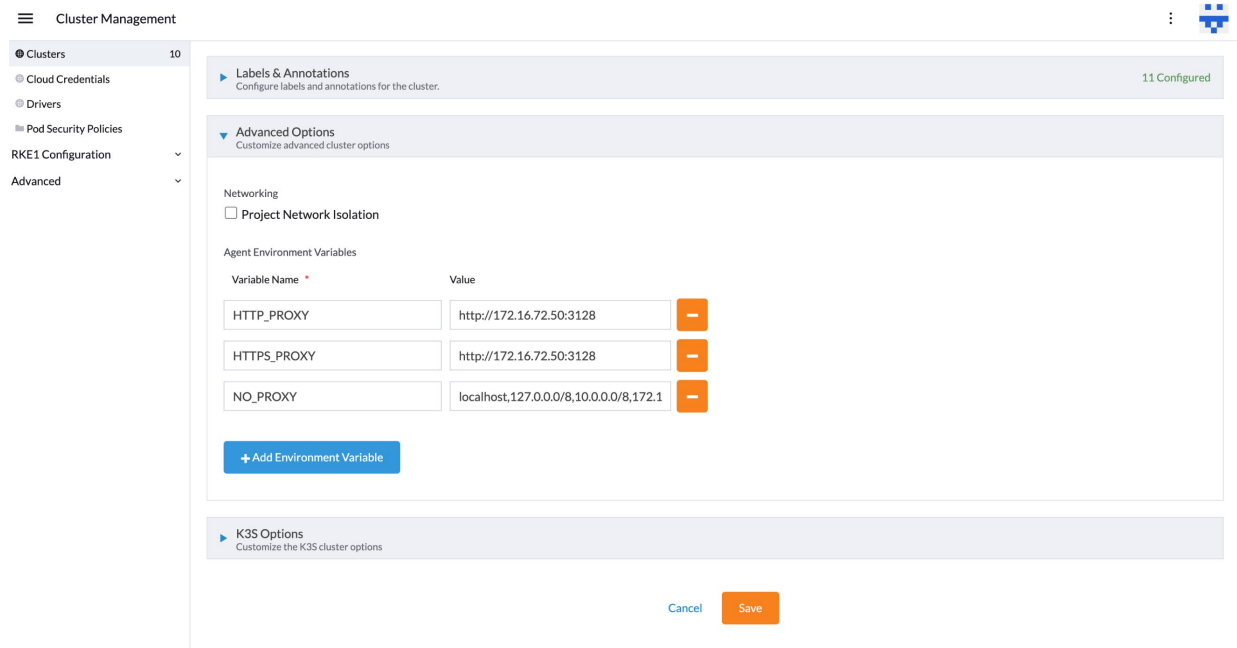


figure 2.

- Configure the following **Agent Environment Variables** and press **Save**:

```
HTTP_PROXY: $PROXY_IP
```

```
HTTPS_PROXY: $PROXY_IP
```

```
NO_PROXY:
```

```
$NODE_IP,localhost,127.0.0.0/8,10.0.0.0/8,172.16.0.0/12,192.168.0.0/16,.svc,.cluster.local
```

Configure Dashboard

In order for the connectors to support proxy settings, you will need to enable it in the configuration page.

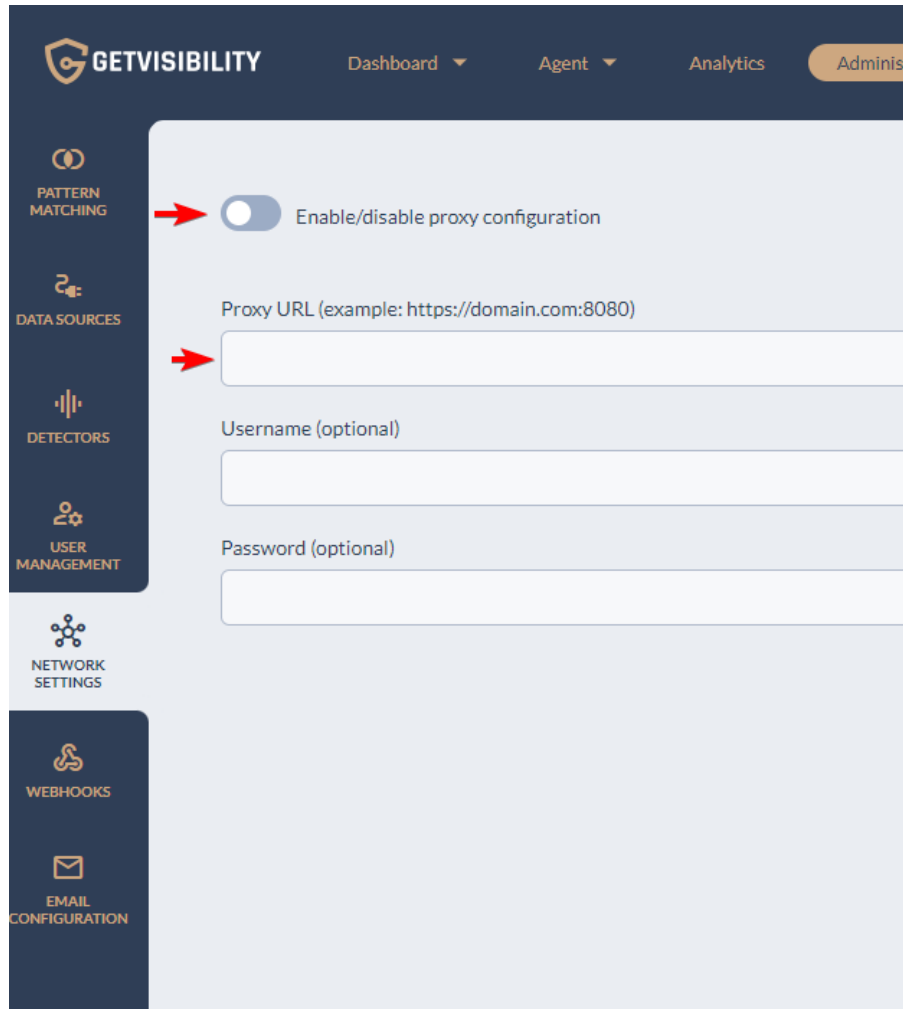


figure 3.



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