

Traffic Logging

- [Traffic Logging Config](#)
- [rsyslog server settings for receiving logs](#)

Traffic Logging Config

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To enable and configure traffic logging go to **Settings->Traffic logging**

Logging all traffic passing through a server can be very resource intensive and can have a significant impact on the performance of the server. This is because logging requires the server to process and store a large amount of data, which can consume a significant amount of CPU, memory, and disk resources. In addition, logging all traffic can generate a large number of log messages, which can further strain the server's resources.

As a result, it is important to carefully consider the need for logging all traffic and to balance this need with the potential impact on the performance of the server. In some cases, it may be more appropriate to only log a subset of traffic or to use sampling or filtering techniques to reduce the volume of logs generated. It is also important to consider the hardware resources of the server and to ensure that the server has sufficient capacity to handle the load of logging all traffic.

In summary, while logging all traffic can be useful for certain purposes, it is important to be aware of the potential impact on the server's performance and to carefully evaluate the need for this level of logging.

PUQVPNCP

? HELP ?

ruslan (79.184.227.163)

Logout

Dashboard

VPN servers

VPN accounts

Settings

System

Firewall

DNS

Traffic logging

One-time link

System users

API

License

About us

Traffic Logging Config

Save

Traffic Logging

YES

Traffic logging is a very resource intensive process, and it affects system performance.

Logging options

Traffic Incoming

NO

Log and incoming traffic

Connections

ESTABLISHED(recommend)

YES

a successfully established connection

RELATED(recommend)

YES

a connection that is related to an already established connection

NEW

NO

a new connection that has just been established

INVALID

NO

a connection that does not match any of the standard connection states

UNTRACKED

NO

a connection that is not being tracked by the system

**If none is selected it will log all connections

Metrics

Interface IN

NO

Interface OUT

NO

LEN

NO

TOS

NO

MARK

NO

**Already logged in by default: TIMEGENERATED, PUBLIC, SRC, SPT, DST, DPT, PROTO

Remote syslog

rsyslog: 8.2102.0-2+deb11u1

Running PID: 3751080

Enabled remote syslog

YES

Remote Syslog Server

77.87.125.208

Remote Syslog Server Port

514

InfluxDB

telegraf: 1.25.0-1

Running PID: 3751106

Enabled InfluxDB

YES

InfluxDB Url

http://77.87.125.208:8086

InfluxDB Token

xbU0AFU0mPsP9Izviojd0pGLIyo8Io1f

InfluxDB Bucket

logs_puqvpncp

InfluxDB Organization

PUQ sp. z o.o.

Organization is the name of the organization you wish to write to; must exist.

Remote syslogTraffic logging section

you can enable logging of client traffic passing through the server

Logging options

You can choose the following logging options:

- Traffic Incoming - Log also incoming traffic. By default, only outgoing traffic is logged.
- Connections - What connection types to log (ESTABLISHED and RELATED are recommended)
 - ESTABLISHED** - a successfully established connection
 - RELATED** - a connection that is related to an already established connection
 - NEW** - a new connection that has just been established
 - INVALID** - a connection that does not match any of the standard connection states
 - UNTRACKED** - a connection that is not being tracked by the system

If none is selected it will log all connections

Metrics

What data will be collected and transmitted to a remote server

Already logged in by default: TIMEGENERATED, PUBLIC, SRC, SPT, DST, DPT, PROTO

Remote syslog

Remote syslog server configuration options

InfluxDB

Remote InfluxDB server configuration options

To use logging to the InfluxDB server, you need to install telegraf

<https://docs.influxdata.com/telegraf/v1.21/introduction/installation/>

rsyslog server settings for receiving logs

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Here are the steps you can follow to configure rsyslog to receive logs from remote servers:

1. Install rsyslog on the machine that you want to use as the central log server. On a Debian-based system, you can install rsyslog with the following command:

```
sudo apt-get install rsyslog
```

2. Open the rsyslog configuration file in a text editor. On a Debian-based system, this file is typically located at `/etc/rsyslog.conf`.

```
sudo nano /etc/rsyslog.conf
```

3. In the configuration file, uncomment the line that reads `"module(load="imudp")"` and `"input(type="imudp" port="514")"`. This will configure rsyslog to listen for incoming log messages on UDP port 514. If you want to use a different port, you can specify it here.
4. Save and close the configuration file.
5. Restart the rsyslog service to apply the new configuration. On a Debian-based system, you can do this with the following command:

```
sudo service rsyslog restart
```

To view the logs, use the command

```
sudo less /var/log/syslog
```

You should get something like this

```
Dec 28 15:42:50 dev.softkeel.com [2265632.987952] TIMEGENERATED=2022-12-28 15:42:50
PUBLIC=77.87.125.200 SRC=10.0.110.7 SPT=44680 DST=20.190.159.4 DPT=443 PROTO=TCP
Dec 28 15:42:50 dev.softkeel.com [2265632.988013] TIMEGENERATED=2022-12-28 15:42:50
PUBLIC=77.87.125.200 SRC=10.0.110.7 SPT=44680 DST=20.190.159.4 DPT=443 PROTO=TCP
Dec 28 15:42:50 dev.softkeel.com [2265633.020799] TIMEGENERATED=2022-12-28 15:42:50
PUBLIC=77.87.125.200 SRC=10.0.110.7 SPT=44680 DST=20.190.159.4 DPT=443 PROTO=TCP
```

Dec 28 15:42:50 dev.softkeel.com [2265633.071709] TIMEGENERATED=2022-12-28 15:42:50
PUBLIC=77.87.125.200 SRC=10.0.110.7 SPT=44680 DST=20.190.159.4 DPT=443 PROTO=TCP

Dec 28 15:42:50 dev.softkeel.com [2265633.081883] TIMEGENERATED=2022-12-28 15:42:50
PUBLIC=77.87.125.200 SRC=10.0.110.7 SPT=44680 DST=20.190.159.4 DPT=443 PROTO=TCP

Dec 28 15:42:50 dev.softkeel.com [2265633.081972] TIMEGENERATED=2022-12-28 15:42:50
PUBLIC=77.87.125.200 SRC=10.0.110.7 SPT=44680 DST=20.190.159.4 DPT=443 PROTO=TCP

Dec 28 15:42:50 dev.softkeel.com [2265633.239150] TIMEGENERATED=2022-12-28 15:42:50
PUBLIC=77.87.125.200 SRC=10.0.110.7 SPT=44680 DST=20.190.159.4 DPT=443 PROTO=TCP

Dec 28 15:42:50 dev.softkeel.com [2265633.245651] TIMEGENERATED=2022-12-28 15:42:50
PUBLIC=77.87.125.200 SRC=10.0.110.7 SPT=37918 DST=40.126.32.160 DPT=443 PROTO=TCP

Dec 28 15:42:50 dev.softkeel.com [2265633.245738] TIMEGENERATED=2022-12-28 15:42:50
PUBLIC=77.87.125.200 SRC=10.0.110.7 SPT=37918 DST=40.126.32.160 DPT=443 PROTO=TCP

Dec 28 15:42:50 dev.softkeel.com [2265633.336217] TIMEGENERATED=2022-12-28 15:42:50
PUBLIC=77.87.125.200 SRC=10.0.110.7 SPT=37918 DST=40.126.32.160 DPT=443 PROTO=TCP

Dec 28 15:42:50 dev.softkeel.com [2265633.339190] TIMEGENERATED=2022-12-28 15:42:50
PUBLIC=77.87.125.200 SRC=10.0.110.7 SPT=37918 DST=40.126.32.160 DPT=443 PROTO=TCP

Dec 28 15:42:50 dev.softkeel.com [2265633.345274] TIMEGENERATED=2022-12-28 15:42:50
PUBLIC=77.87.125.200 SRC=10.0.110.7 SPT=37918 DST=40.126.32.160 DPT=443 PROTO=TCP

Dec 28 15:42:50 dev.softkeel.com [2265633.345456] TIMEGENERATED=2022-12-28 15:42:50
PUBLIC=77.87.125.200 SRC=10.0.110.7 SPT=37918 DST=40.126.32.160 DPT=443 PROTO=TCP

Dec 28 15:42:50 dev.softkeel.com [2265633.430714] TIMEGENERATED=2022-12-28 15:42:50
PUBLIC=77.87.125.200 SRC=10.0.110.7 SPT=37918 DST=40.126.32.160 DPT=443 PROTO=TCP

Dec 28 15:43:19 dev.softkeel.com [2265661.777196] TIMEGENERATED=2022-12-28 15:43:19
PUBLIC=77.87.125.200 SRC=10.0.110.7 SPT=48566 DST=172.217.16.37 DPT=443 PROTO=TCP

Dec 28 15:43:19 dev.softkeel.com [2265661.784642] TIMEGENERATED=2022-12-28 15:43:19
PUBLIC=77.87.125.200 SRC=10.0.110.7 SPT=48566 DST=172.217.16.37 DPT=443 PROTO=TCP

Dec 28 15:43:20 dev.softkeel.com [2265662.835952] TIMEGENERATED=2022-12-28 15:43:20
PUBLIC=77.87.125.200 SRC=10.0.110.7 SPT=45142 DST=216.58.215.74 DPT=443 PROTO=TCP

Dec 28 15:43:40 dev.softkeel.com [2265682.853984] TIMEGENERATED=2022-12-28 15:43:40
PUBLIC=77.87.125.200 SRC=10.0.110.7 SPT=41048 DST=142.251.1.188 DPT=5228 PROTO=TCP

Dec 28 15:43:40 dev.softkeel.com [2265682.893813] TIMEGENERATED=2022-12-28 15:43:40
PUBLIC=77.87.125.200 SRC=10.0.110.7 SPT=41048 DST=142.251.1.188 DPT=5228 PROTO=TCP

Dec 28 15:43:40 dev.softkeel.com [2265682.921793] TIMEGENERATED=2022-12-28 15:43:40
PUBLIC=77.87.125.200 SRC=10.0.110.7 SPT=41048 DST=142.251.1.188 DPT=5228 PROTO=TCP