

# cvsGEVConfigure

This program is for setting the IP of the Crevis GigE Vision device.

## Description of functions

- -h, --help

```
leenamki@leenamki-bionic:~$ cvsGEVConfigure --help
Usage: cvsGEVConfigure -d [index]
      or: cvsGEVConfigure -s [index][IP][Subnet][gateway]
      or: cvsGEVConfigure -l [index]
Configure the IP of the CREVIS GigEVision device.

Mandatory arguments to long options are mandatory for short options too.
-d, --dhcp           Set to DHCP
-s, --static         Set to static IP
-l, --lla           Set to Link Local Address
-L, --list          List of devices
-h, --help          Display this help and exit
-v, --version       Output version information and exit

When --static is specified, If you only set the IP, the subnet and gateway are set to default.
Devices are sorted by SerialNuber.
The IP you want to set must not be the same as the IP of the adapter.
Depending on the subnetmask setting, you may not be able to connect to the device.
leenamki@leenamki-bionic:~$
```

- -L, --list

Displays a list of connected devices.

```
leenamki@leenamki-bionic:~$ cvsGEVConfigure -L
Devices found : 3
=====
① enp3s0(②169.254.1.1):

1. ③MG-A500M-22      ④22372140203 ⑤Static IP
   ⑥169.254.1.12    ⑦255.255.255.0 ⑧169.254.1.1

2. MG-A040M-280      23901839001 ③LLA

3. MG-D030C-Semco    23941840062 ⑩DHCP
leenamki@leenamki-bionic:~$
```

- ① Name of the connected NAT.
- ② IP of the connected NAT.
- ③ **Model name** of the connected device.

- ④ The **serial number** of the connected device.
- ⑤ Indicates that the connected device is a **Static IP**.
- ⑥ **IP** of the connected device.
- ⑦ **Subnet Mask** of the connected device.
- ⑧ **Default Gateway** of the connected device.
- ⑨ Indicates that the connected device is a **Link-Local Address(LLA)**.
- ⑩ Indicates that the connected device is **DHCP**.
- -v, —version  
Displays the version of the program.

```
leenamki@leenamki-bionic:~$ cvsGEVConfigure --version
cvsGEVConfigure 0.1.2
Copyrigh (C) 2023 CREVIS Co., Ltd.
leenamki@leenamki-bionic:~$
```

- -s, —static  
Set the specified device to a Static IP (*IP must be specified*).
- -d, —dhcp  
Set the specified device to DHCP.
- -l, —lla  
Set the specified device to Link-Local Address(LLA).

## How to set up IP

1. Set device #1 to DHCP.

```
cvsGEVConfigure -d 1
```

```
leenamki@leenamki-bionic:~$ cvsGEVConfigure -d 1
Done.
leenamki@leenamki-bionic:~$
```

2. Set device #1 to Link-Local Address(LLA).

```
cvsGEVConfigure -l 1
```

```
leenamki@leenamki-bionic:~$ cvsGEVConfigure -l 1
Done.
leenamki@leenamki-bionic:~$
```

3. Set device #1 to Static IP. (If you enter all setup information)

```
cvsGEVConfigure -s 1 169.254.1.50 255.255.255.0 169.254.1.1
```

```
leenamki@leenamki-bionic:~$ cvsGEVConfigure -s 1 169.254.1.50 255.255.255.0 169.
254.1.1
Done.
leenamki@leenamki-bionic:~$
```

4. Set device #1 to Static IP. (Set IP only, Subnet and Gateway are automatically set to the information in NAT)

```
cvsGEVConfigure -s 1 169.254.1.50
```

```
leenamki@leenamki-bionic:~$ cvsGEVConfigure -s 1 169.254.1.50
Done.
leenamki@leenamki-bionic:~$
```