

# **Neurotechnology SentiVeillance Cluster**

## **Installation guide**

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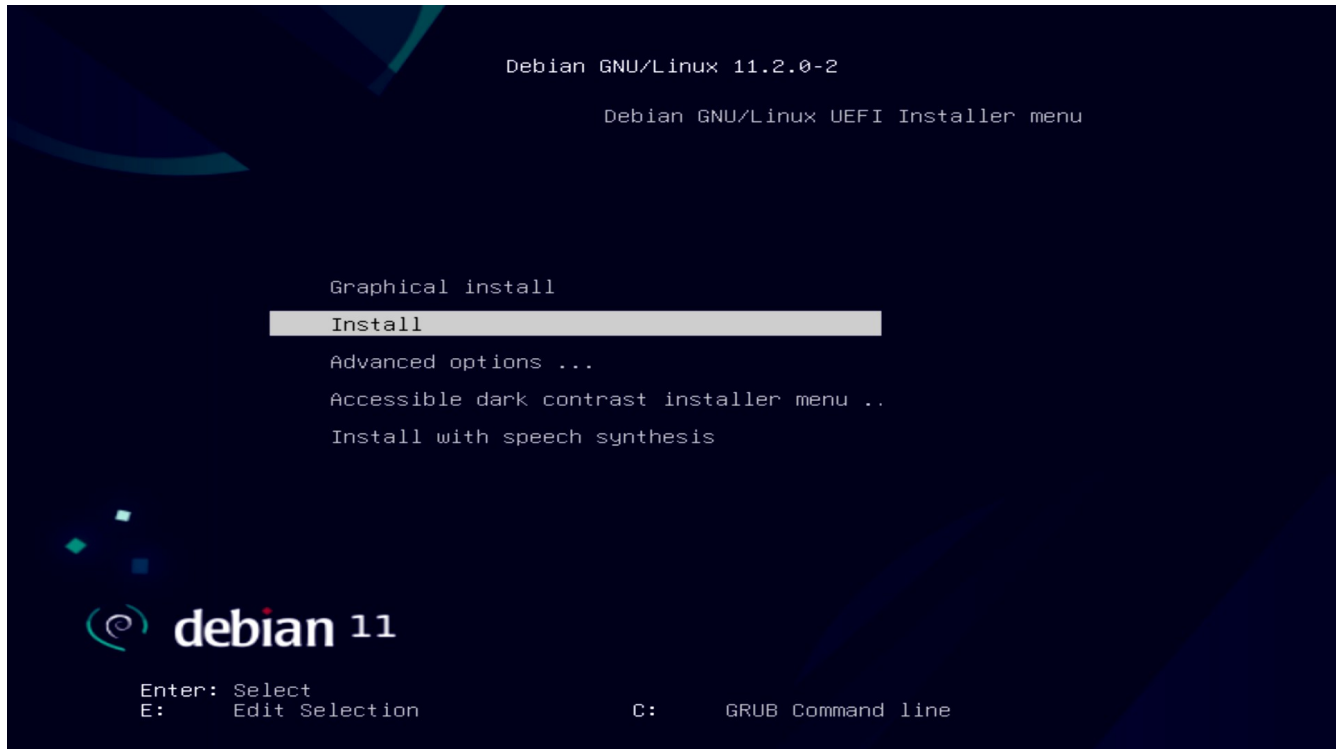
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# Installation

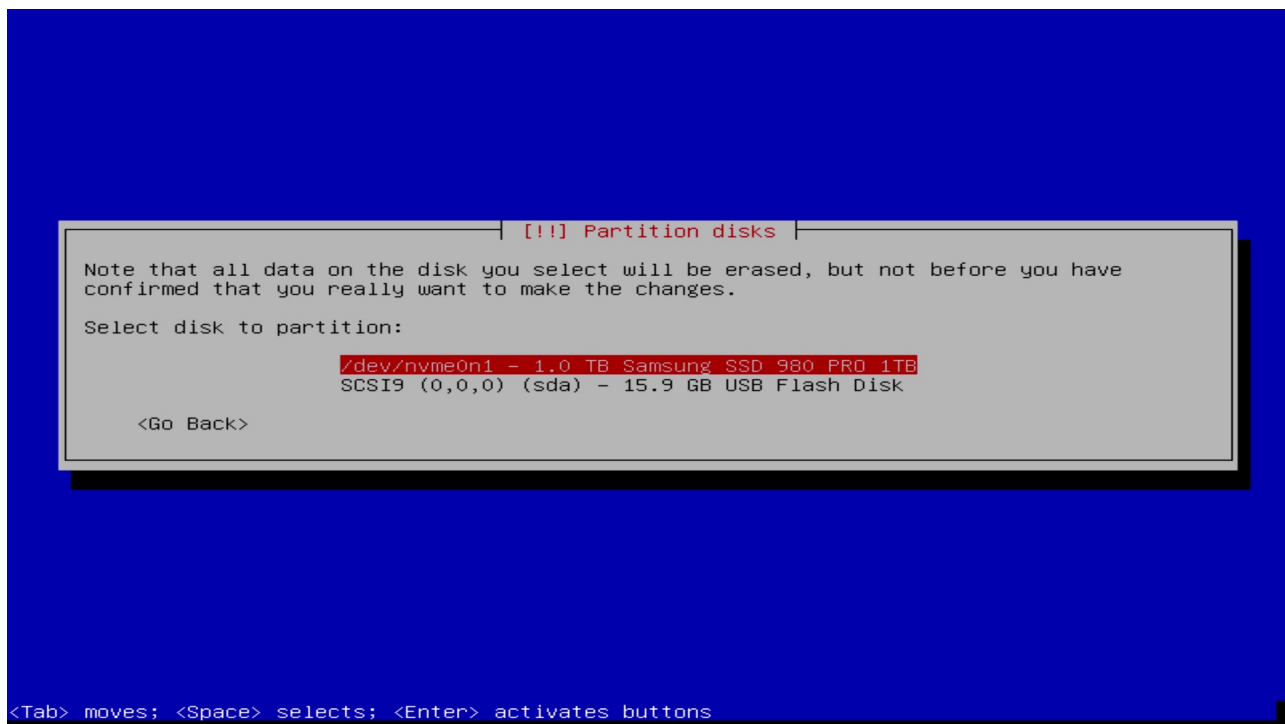
## Single machine

### OS

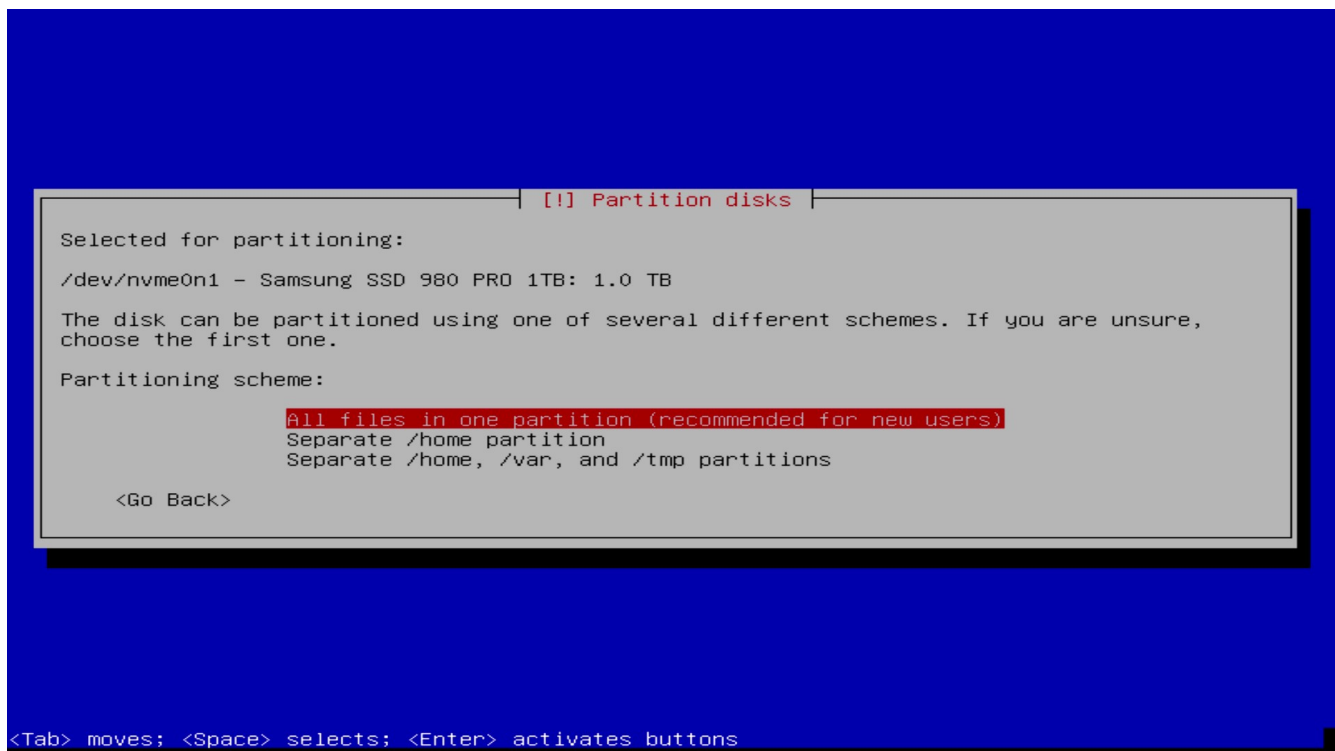
1. Install Debian Linux distribution **debian-11.2.0-2-amd64-with-nvidia-docker.iso** with Docker.
2. Make bootable USB key if you are installing into physical computer and start the installation.



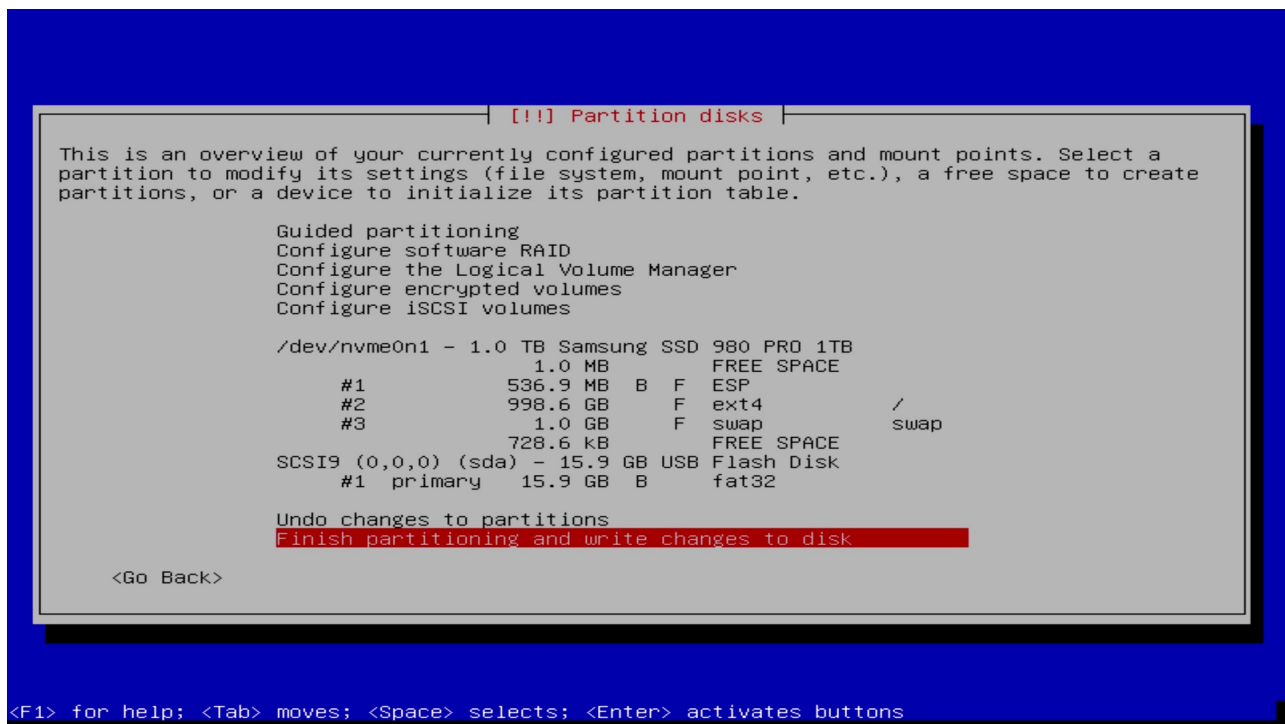
3. Choose where to install Debian



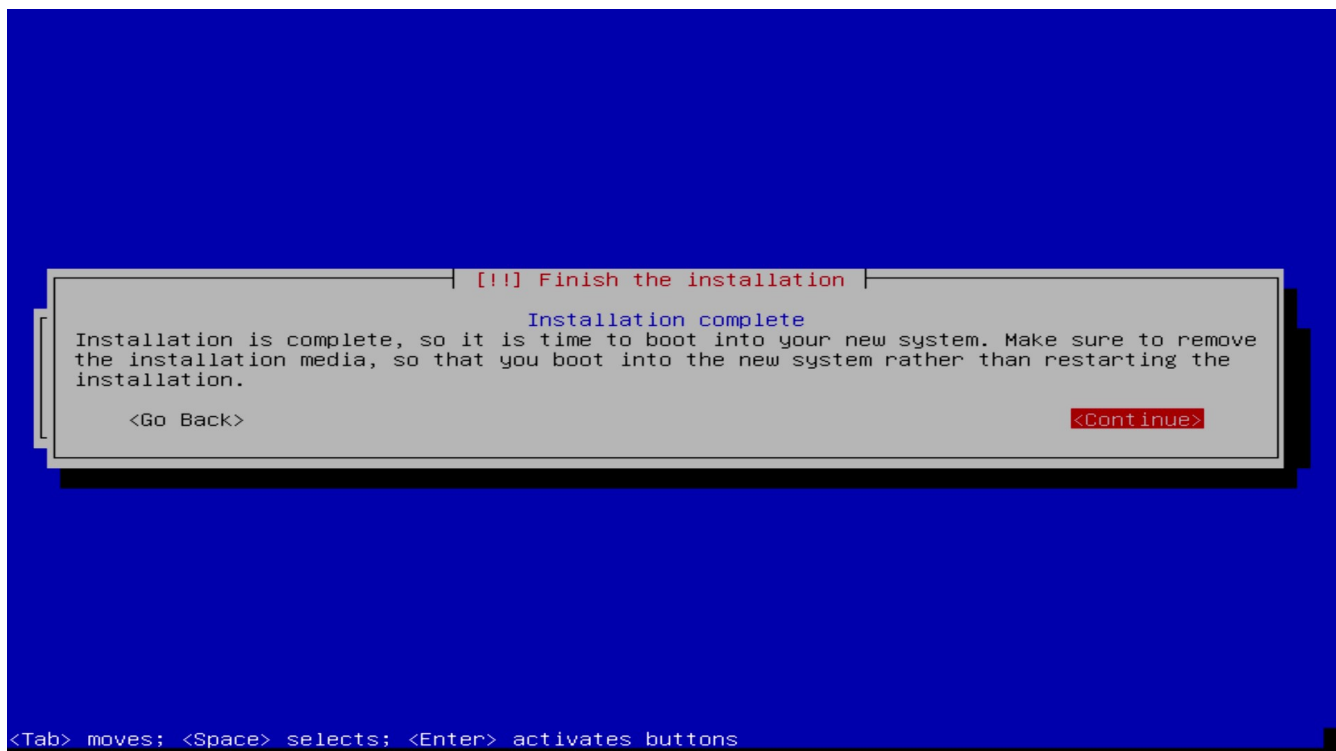
#### 4. Continue.



#### 5. Check if there is a bootable partition and continue



## 6. Finish the installation



## 7. Reboot and remember the computer IP

```
Debian GNU/Linux 10 debian-SBRVKUjCug tty1
My IP address: 172.16.1.121
debian-SBRVKUjCug login: _
```

## **NVidia GPU driver**

Install NVidia GPU driver.

1. `$ sudo ./NVIDIA-Linux-x86_64-515.48.07.run`

Choose **Yes** to disable Nouveau driver during NVidia GPU driver installation, reboot OS and run NVidia GPU driver installation again. Select default choices during installation.

Check installed NVidia driver.

2. `$ nvidia-smi`

## SentiVeillance Cluster

1. Install the *SentiVeillance Cluster* from file **SentiVeillance\_8\_2\_Cluster\_Linux\_x86\_64.zip**. Extract and run the following instructions:

```
cd SentiVeillance_8_2_Cluster
$ sudo ./sensitiveillance-cluster-ctl.sh install
```

or other comand if you are using licenses from Dongle, connect Dongle and run install command

```
$ sudo ./sensitiveillance-cluster-ctl.sh install --trial 0
```

Choose to use default ip address.

2. If your network has no DNS server, you need to update configuration in */opt/neurotec/sensitiveillance-cluster-unit/docker-compose.yml* so that video stream can be retrieved from Milestone VMS.

Find *extra\_hosts* **sections** and enter name and address:

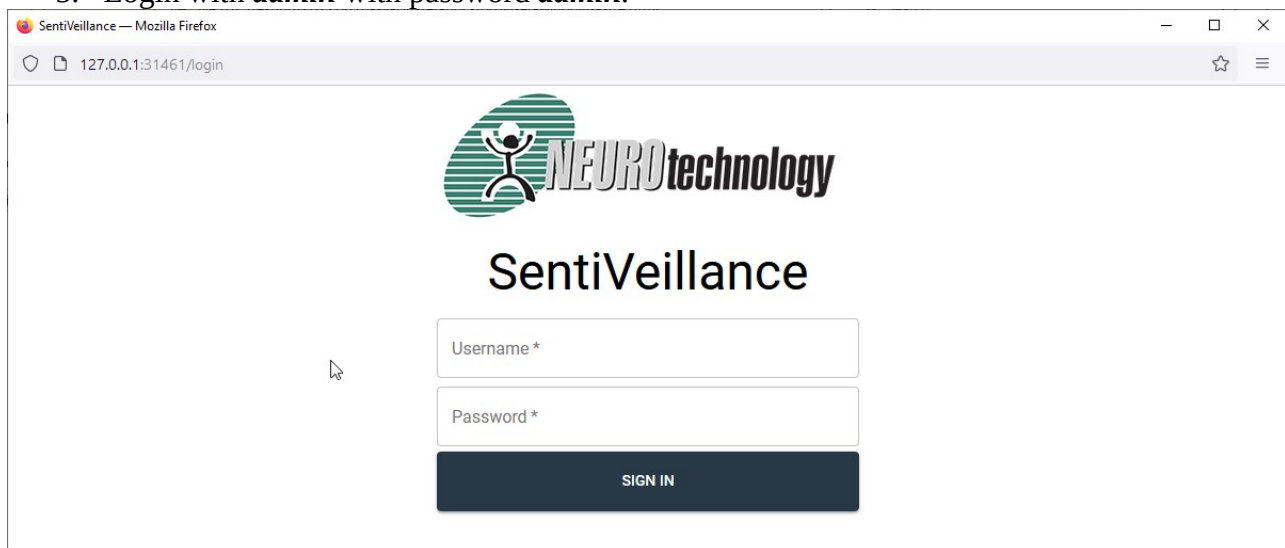
```
extra_hosts:
- milestone-pc-name:172.16.0.100
```

3. Once installed and configured, start the *SentiVeillance Cluster*:

```
$ sudo ./sensitiveillance-cluster-ctl.sh start
```

4. Open in browser `http://pc_ip_address/ SentiVeillance Cluster` web panel.

5. Login with **admin** with password **admin**.



Read the *SentiVeillance Cluster* user guide to configure *SentiVeillance Cluster*.

## Kubernetes

For larger installations with many cameras, *SentiVeillance Cluster* should be installed on [Kubernetes](#) cluster. Installation can be performed using provided [Helm](#) charts.

Extract `SentiVeillance_8_2_Cluster_Linux_x86_64.zip` file and see `charts/sentiveillance-cluster/README.md` for more detailed instructions

## Licensing

Your installed computer must have access to internet to acquire Trial licenses to try SentiVeillance Cluster or you must have Dongle with licenses.

If you have Dongle with SentiVeillance Cluster licenses

- Install *SentiVeillance Cluster* *SentiVeillance Cluster* or Kubernetes
- Connect Dongle to the installed PC. In Kubernetes case check the value `global.licensing.host` for the PC name. Restart service `systemctl restart npgadmin`

If you have already installed SentiVeillance Cluster with trial and now want to switch to licenses from Dongle.

- Connect Dongle to computer
- Modify value `Trial=false` to false in `/opt/neurotec/sentiveillance-cluster-unit/activation/pgd.conf` and restart service `systemctl restart npgadmin`