

weaveNet

The weaveNet binary is a executable script to set a new weave network ip range. It is recommend to execute the weaveNet binary if your network policies do not work properly. This is mostly the case when your weave network ip range is not the same as your pod subnetwork ip range. You can find your pod subnetwork ip range in the YAML file which you are using for setting up a cluster or in the clusterStorage.yaml if you already set up a cluster.

Attention:

The weaveNet binary has to be executed on your **first master node**.

How to use the weaveNet binary

First you need to download the weaveNet binary from our [download page](#).

```
curl -O http://www.kubernative.net/images/KubeOps/weaveNet.bin
```

The next step is to give the weaveNet binary executable rights

```
chmod u+x weaveNet
```

Now you are ready to execute the weaveNet binary. The weaveNet binary can only be executed with **one** argument. This is your new weave network ip range.

```
./weaveNet <your weave network ip range>
```

Example

```
./weaveNet 192.168.129.0/24
```

What exactly does the weaveNet binary change on my system?

First the weave-net.yaml of your kube-system is created

```
kubectl get ds weave-net -o yaml -n kube-system
```

The next step is to change the value of the parameter "IP_ALLOC_RANGE" with your given ip range. For this step the FIO library is used.

```
apiVersion: apps/v1
kind: DaemonSet
[...]
spec:
  [...]
  spec:
    containers:
      - command:
        - /home/weave/launch.sh
        env:
          - name: NO_MASQ_LOCAL
            value: "1"
          - name: IPALLOC_RANGE
            value: 192.168.129.0/24      <<< This value will be replaced with your new weave network ip range
        [...]

```

Afterwards the new ip range will be applied into your kubernetes cluster.

```
kubectl apply -f weave-net.yaml -n kube-system
```