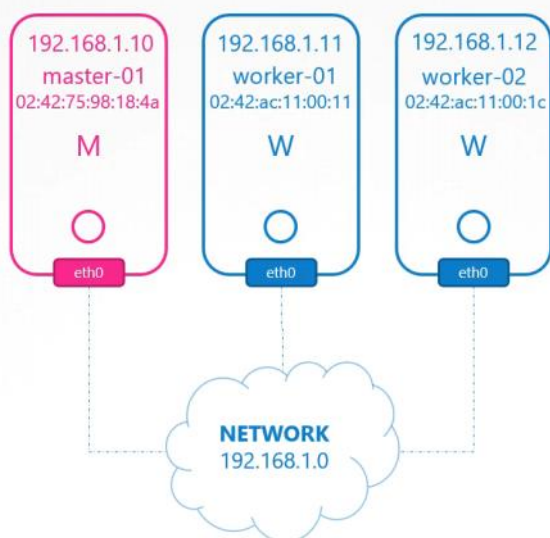
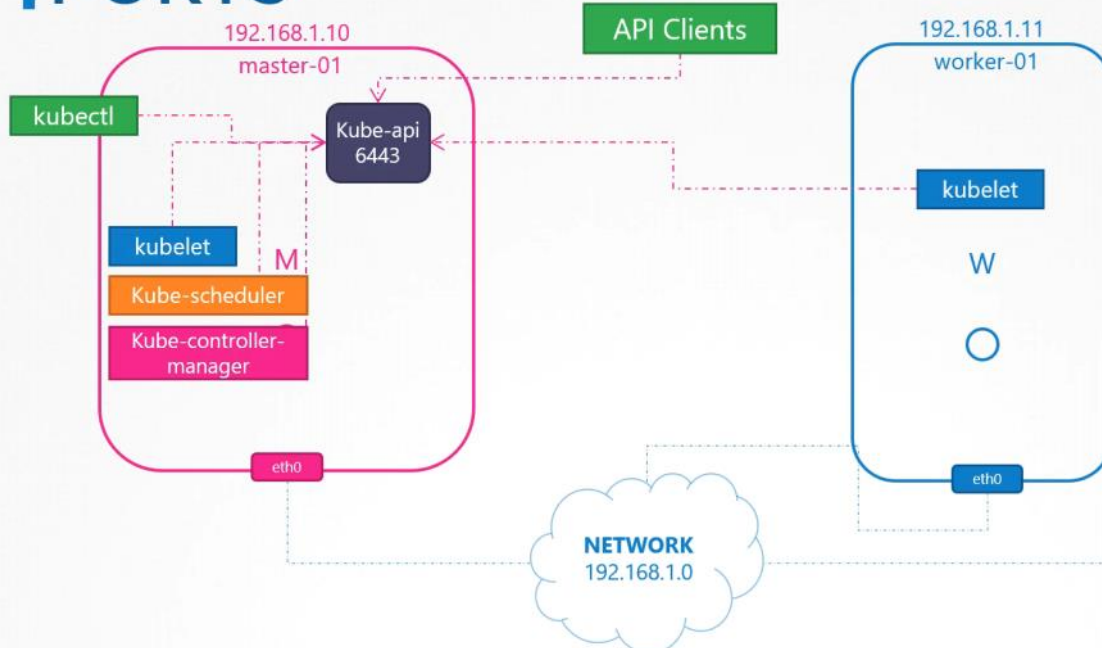


Networking Cluster Nodes

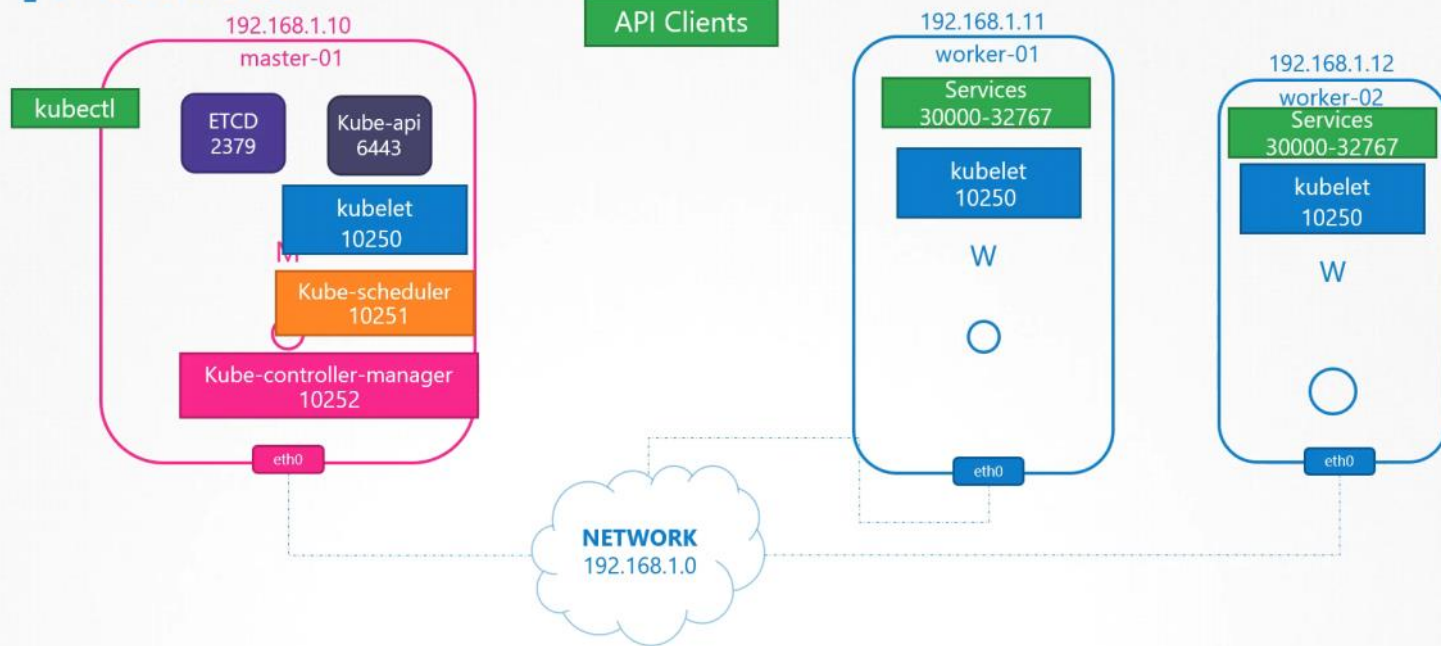
IP & FQDN



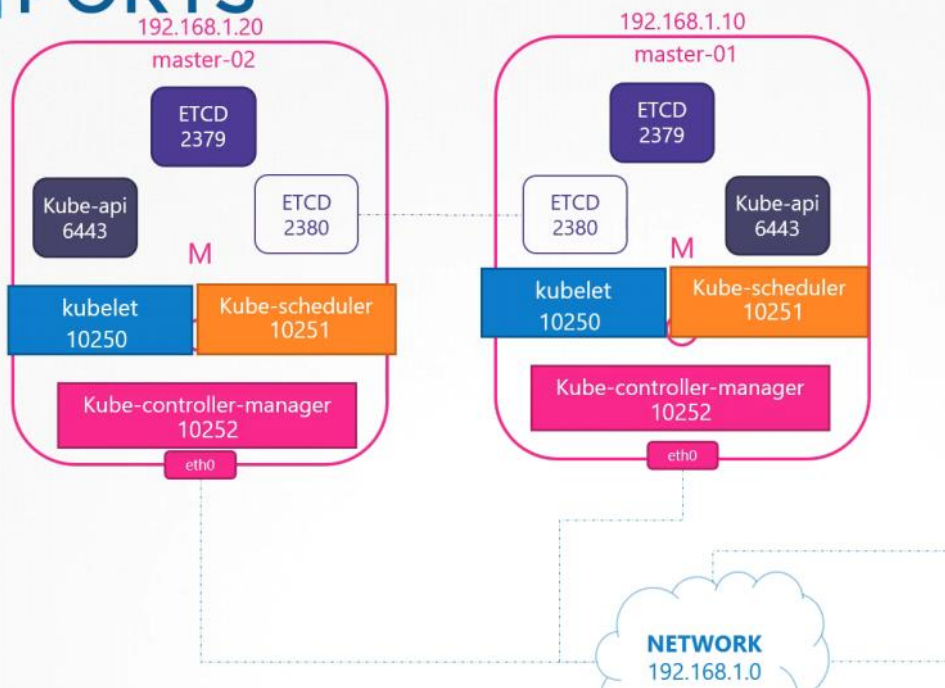
PORTS



I PORTS



I PORTS



I Documentation

Check required ports

Master node(s) [↗](#)

Protocol	Direction	Port Range	Purpose	Used By
TCP	Inbound	6443*	Kubernetes API server	All
TCP	Inbound	2379-2380	etcd server client API	kube-apiserver, etcd
TCP	Inbound	10250	Kubelet API	Self, Control plane
TCP	Inbound	10251	kube-scheduler	Self
TCP	Inbound	10252	kube-controller-manager	Self

Worker node(s)

Protocol	Direction	Port Range	Purpose	Used By
TCP	Inbound	10250	Kubelet API	Self, Control plane
TCP	Inbound	30000-32767	NodePort Services**	All

I COMMMANDS

```
➤ ip link
```

```
➤ ip addr
```

```
➤ ip addr add 192.168.1.10/24 dev eth0
```

```
➤ ip route
```

```
➤ ip route add 192.168.1.0/24 via 192.168.2.1
```

```
➤ cat /proc/sys/net/ipv4/ip_forward
```

```
1
```

```
➤ arp
```

```
➤ netstat -plnt
```

```
➤ route
```