# Document how to customize network MTU size for DDC
## #906

⊘ Closed   **joaofnfernandes** opened this issue on Dec 15, 2016 · 1 comment

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**joaofnfernandes** commented on Dec 15, 2016                    Contributor

Docker allows you to set MTUs on all networks it creates. The way to configure the default bridge network differs from the way to configure the individual custom networks.

You can configure the bridge network using the `--mtu` flag in the daemon's start up arguments. Restarting the daemon is enough to make these changes take effect. This will work for all UCP containers.

To configure custom networks you must delete them and create them again. If youv're already installed DTR, you have two options: either uninstall DTR, re-create the networks, then install it again, or stop all DTR containers, re-create the networks, then start DTR containers again. I'll describe the second case here.

Run the following for each replica to stop all DTR containers. You can do this with the UCP client bundle, UCP's UI or on each individual machine.

```
docker kill dtr-etcd-$REPLICA_ID dtr-rethinkdb-$REPLICA_ID dtr-registry-$REPLICA_ID dtr-
api-$REPLICA_ID dtr-nginx-$REPLICA_ID
```

There are two networks to re-create. One is the overlay network that spans the whole cluster. The other is the per-node dtr-br local bridge network.

Delete the two networks:

```
docker network rm dtr-br # on every machine, through the UCP client bundle by prefixing the
network name with the name of the machine or through UCP's UI
docker network rm dtr-ol # once for the whole cluster
```

After stopping all containers and deleting both networks you need to re-create the dtr-br network on all machines with the following command:

```
docker network create --opt=com.docker.network.driver.mtu=XYZ dtr-br
```

You also need to create the overlay network (only once on any node) with the following command:

```
docker network create --driver overlay --opt=com.docker.network.driver.mtu=XYZ dtr-ol
```

Now just start all DTR containers again and the MTUs should be set on all networks:

```
docker start dtr-etcd-$REPLICA_ID dtr-rethinkdb-$REPLICA_ID dtr-registry-$REPLICA_ID dtr-
api-$REPLICA_ID dtr-nginx-$REPLICA_ID
```

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👤 🔗 **joaofnfernandes** self-assigned this on Dec 15, 2016

🏷 🔗 **joaofnfernandes** added the `area/ee` label on Dec 15, 2016

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**joaofnfernandes** commented on Aug 25, 2017                    Contributor

Documented at https://success.docker.com/KBase/How_to_set_the_MTU_on_DTR_nodes

joaofnfernandes closed this on Aug 25, 2017