

Docker Universal Control Plane uses TLS to encrypt the traffic between users and your cluster. By default this is done using self-signed certificates.

If you installed UCP with the default self-signed certs, you can replace them with externally-signed certs after the installation process.

To replace the server certificates used by UCP, **for each controller node**, in the directory where you have your keys and certificates, use the following commands:

1. Create a container that attaches to the same volume where certificates are stored:

```
docker create --name replace-certs -v ucp-controller-server-certs:/data busybox
```

2. Copy your keys and certificates to the container's volumes:

```
docker cp cert.pem replace-certs:/data/cert.pem
docker cp ca.pem replace-certs:/data/ca.pem
docker cp key.pem replace-certs:/data/key.pem
```

3. Remove the container, since you won't need it any longer:

```
docker rm replace-certs
```

4. Restart the ucp-controller container:

```
docker restart ucp-controller
```

5. Communicate the change to users. Ask users to log into UCP and [download the updated certificate client bundle \(https://docs.docker.com/ucp/access-ucp/cli-based-access/\)](https://docs.docker.com/ucp/access-ucp/cli-based-access/).