

Installing SSL certificates

Creating a PEM file for the Webitel

The certificate file should be named **wss.pem** and located in **/opt/webitel/ssl**.

The **wss.pem** file (similar to nginx certificates) consists of a sequence in a strict order: Certificate, RSA Private Key and Chain (s):

```
-----BEGIN CERTIFICATE-----
<cert>
-----END CERTIFICATE-----
-----BEGIN RSA PRIVATE KEY-----
<key>
-----END RSA PRIVATE KEY-----
-----BEGIN CERTIFICATE-----
<chain>
-----END CERTIFICATE-----
```

Copy wss.pem to the files:

- **tls.pem** - for SIP TLS
- **dtls-srtp.pem** - for WebRTC

```
cp wss.pem tls.pem
cp wss.pem dtls-srtp.pem
```

Required files in **/opt/webitel/ssl**:

```
ssl
dtls-srtp.pem
tls.pem
wss.pem
```

Connect the certificate to the webitel

In the [env/environment](#) file, change to:

```
# WebSocket protocol: ws or wss (WebSocket with SSL)
export WEBITEL_WS="wss"
# WebSocket protocol: off or on (for HTTPS)
export WEBITEL_SSL="on"
# WebSocket protocol: http or https
export WEBITEL_PROTO="https"
# Webitel IP or hostname.
# Please, use the FQDN hostname for HTTPS site
export WEBITEL_HOST="app-d1.webitel.com"
```

Restart the Webitel:

```
/opt/orchestration/bin/reboot.sh
```

You can check the output of the nginx log with the command:

```
$ docker logs nginx
Start SSL
```