

# Installation on local Server

Webitel was designed to be as accessible as possible, and can be set up on your own server. To make self-hosting very flexible, you have the following options:



Linux

[Debian Stable](#) or [Ubuntu Server](#) 64 bit is strongly recommended!

## Docker and docker-compose

Install docker:

```
# apt-get install curl
# curl -sSL https://get.docker.com/ | sh
# docker --version
Docker version 18.03.0-ce, build 0520e24
```

Install docker-compose:

```
# curl -L "https://github.com/docker/compose/releases/download/1.22.0/docker-compose-$(uname -s)-$(uname -m)" -
o /usr/local/bin/docker-compose
# chmod +x /usr/local/bin/docker-compose
```

## Prepare webitel

Get shell scripts and socker-compose YAML files from our [GitHub](#):

```
$ sudo gpasswd -a ${USER} docker
$ cd /opt
$ sudo mkdir /opt/webitel
$ sudo git clone https://github.com/webitel/orchestration.git
$ sudo chown -R ${USER}:docker /opt/webitel /opt/orchestration
$ cd /opt/orchestration
$ git checkout v3.10.2
```

## Configuration

Inside `/opt/orchestration/env` directory you will find configuration files with extension `*.example`. Copy examples to you one:

```
$ cd /opt/orchestration/env
$ for f in *.example; do cp $f `basename $f .example`; done
```

In the file [env/environment](#), please, change 2 variables:

- **WEBITEL\_HOST** - FQDN for webitel server. It's also needed by TLS certificate.
- **WEBITEL\_PASS** - password for root user.

Linux kernel settings:

```
# sudo -s
# cat /opt/orchestration/etc/sysctl.conf >> /etc/sysctl.conf
# sysctl -p
```

Start Webitel on the system boot:

```
# cp /opt/orchestration/etc/cron.d/webitel /etc/cron.d/
```

## Docker images

Pull docker images from the [Docker Hub](#):

```
$ cd /opt/orchestration  
./bin/bootstrap.sh pull
```

First run of the webitel:

```
$ cd /opt/orchestration  
./bin/bootstrap.sh up -d
```

## Let's Encrypt webitel

We recommend to use HTTPS for webitel and WebRTC. You can get a free TLS certificate from [Let's Encrypt](#):

```
$ cd /opt/orchestration  
./bin/bootstrap.sh letsencrypt  
./bin/bootstrap.sh down -v
```

After all is done, change variables the file [env/environment](#):

### env/environment

```
export WEBITEL_WS="wss"  
export WEBITEL_SSL="on"  
export WEBITEL_PROTO="https"  
export WEBITEL_HOST="vk.webitel.com"
```

Now, You may start webitel with HTTPS

```
$ cd /opt/orchestration  
./bin/bootstrap.sh up -d
```

Add auto renew of the certificates

```
$ sudo cp /opt/orchestration/etc/cron.d/letsencrypt /etc/cron.d/
```

Check that all is work:

```
./bin/bootstrap.sh ps
```

If You wish to reboot webitel, please, use the command:

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

Now, Webitel is ready to go:

## What's next ?

- [Get a license key](#)
- [Create a webitel domain](#)
- [Create an user](#)
- [Configuring a SIP Provider](#)
- [Create inbound route](#)
- [Create outbound route](#)
- [Let's encrypt webitel](#)
- [Installing SSL certificates](#)