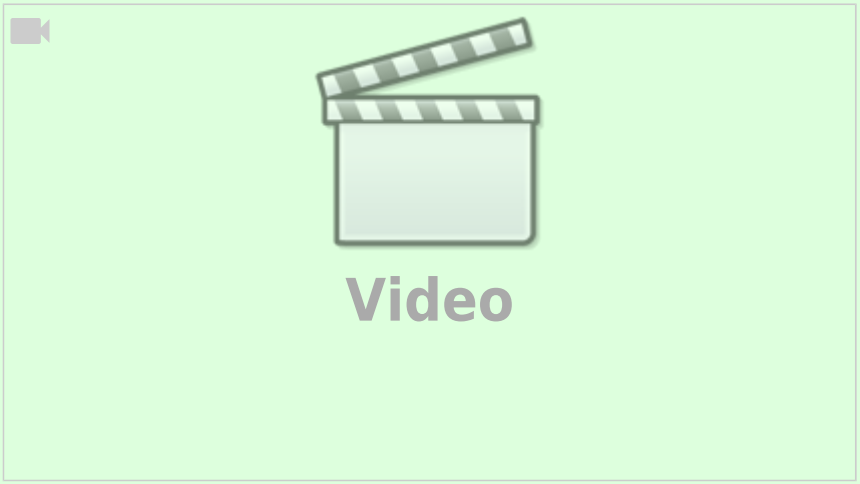
Table of Contents

Configuration and administration

File .env

Watch a tutorial (english subs):



Subsystem configuration is done by editing the .env file

```
/var/www/html/dpiui2/backed/.env
```

The file has the following content:

```
#System settings. It should remain unchanged.
APP_ENV=local
APP_DEBUG=true
APP_KEY=
APP_TIMEZONE=UTC

#Application URL. It is needed to form the correct link when sending QoE
reports to e-mail
APP_URL=https://localhost/

#System settings regarding connection to the MySql DB, it should remain
unchanged
DB_CONNECTION=mysql
DB_HOST=localhost
DB_PORT=3306
DB_DATABASE=dpiui2
DB_USERNAME=root
DB_PASSWORD=vasexperts

#Settings regarding connection to the SMTP server. They are needed to send
email notifications.
CFG_SMTP_UNAME=dpiuitest@gmail.com
```

```
CFG_SMTP_PW=dpiuitestdpiuitest
CFG_SMTP_HOST=smtp.gmail.com
CFG_SMTP_PORT=587
#tls or ssl
CFG_SMTP_SECURE=tls

#Technical support address
CFG_SEND_ERROR_EMAIL=sd@vas.expert
#Address for sending of email copies
CFG_SEND_COPY_EMAIL=

#System settings, prohibited from changing
CACHE_DRIVER=file
QUEUE_DRIVER=database
SESSION_DRIVER=cookie

#Settings regarding connection to QoE Stor
QOESTOR_DB_HOST=localhost
QOESTOR_DB_PORT=8123
QOESTOR_DB_USER=default
QOESTOR_DB_PASS=vasexperts
QOESTOR_DB_NAME=qoestor
QOESTOR_CACHE_LIFE_TIME_SEC=3600
QOESTOR_MAIN_LOG_PARTITIONS_LIFE_TIME_HOUR=24
QOESTOR_AGG_LOG_PARTITIONS_LIFE_TIME_DAYS=15

#Subscriber synchronization period in minutes (for the Subscribers and
Services and Advertising sections)
SM_SUBSCRIBERS_UPDATE_PERIOD_MINUTES=30

#Data cleanup period for charts in the Performance Section
CHART_DATA_DELETE_DAYS_INTERVAL=60

#CG-NAT profile and statistics synchronization period
CG_NAT_SYNC_MINUTES_INTERVAL=5

#Хост Vas Cloud
VAS_CLOUD_HOST=5.200.37.122
```

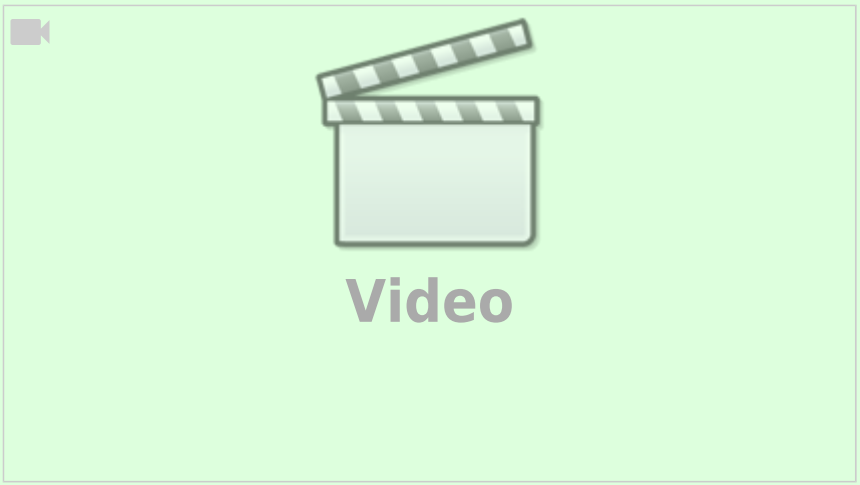
If changes to .env have been made, you should run the following command: `dpiui2 queue:restart`
If the command is not found restart the ssh session in the terminal.

Equipment connection

Sudo user

The equipment is connected and controlled using the SSH protocol. Connection must be done under a user with sudo privileges, or under the root user **(not recommended)**.

Watch a tutorial on connecting to DPI (english subs):



A new user should be created with sudo access granted on the connected equipment.

Let's consider `dpisu` user creating as an example:

1. Create the `dpisu user`

```
adduser dpisu
passwd dpisu
```

2. Add to the `/etc/sudoers.d/dpisu` file the following stuff

```
Defaults:dpisu !requiretty
Defaults secure_path =
/usr/local/sbin:/usr/local/bin:/sbin:/bin:/usr/sbin:/usr/bin:/root/bin
dpisu    ALL=(ALL)       NOPASSWD: ALL
```

By doing this, you disable the dpisu user requirement for a password and the requiretty requirement when switching to sudo mode.

3. Disable the requiretty requirement in the file `/etc/sudoers`

```
sed -i "s/^.*requiretty/#Defaults requiretty/" /etc/sudoers
```

Migrating the GUI from CentOS 7 to VEOS

1. Install the latest version of the GUI on a **new** machine. For more information, see GUI installation
2. Update the GUI to the latest version on an **old** machine. For more information, see Upgrading

3. Disable all cron jobs related to the GUI on the **old machine**:

```
# Back up current crontab jobs
crontab -l > ./cron_backup.txt

# Delete all user tasks
crontab -r

# Stopping the cron system service
sudo service crond stop
```

4. Export the dpiui2 database from the **old** machine using the mysqldump utility.

   Make sure you have enough free disk space beforehand!

```
. /var/www/html/dpiui2/backend/.env

mysqldump --add-drop-table --single-transaction=TRUE -u $DB_USERNAME --password=$DB_PASSWORD -h $DB_HOST -P $DB_PORT $DB_DATABASE | gzip > dpiui2.sql.gz
```

5. Back up the contents of the **old** machine in the `/var/www/html/dpiui2` directory:

```
sudo tar -zcvpf var_www_html_dpiui2.tar.gz /var/www/html/dpiui2/*
```

6. Import the `dpiui2.sql.gz` file created in step 4 onto the **new** machine

```
. /var/www/html/dpiui2/backend/.env

gunzip < dpiui2.sql.gz | mysql -u $DB_USERNAME --password=$DB_PASSWORD $DB_DATABASE
```

7. Upload the contents of the archive created in step 5 to the **new** machine, into the `/var/www/html/dpiui2` folder:

```
sudo tar -xzpf var_www_html_dpiui2.tar.gz -C  /
```

8. Reinstall the GUI package on a **new** machine:

```
yum reinstall dpiui2
```

9. Verify that everything is working correctly on the **new** GUI and that all policies/services have been migrated
10. Run the uninstallation script on the **old** machine:

```
source <(curl https://vasexperts.ru/install/dpiui2-rpm_uninstall.sh)
```