

# Migration from 9 to 10

Current version 9.0.4 (Mysql2)

## New system

Install Debian 9.11 !!!.

Refer to instruction <https://www.openproject.org/download-and-installation/> to install OP.

```
apt-get install apt-transport-https
```

[/etc/apt/sources.list.d/openproject.list](#)

```
# deb https://dl.packager.io/srv/deb/opf/openproject/stable/10/debian
10 main
deb https://dl.packager.io/srv/deb/opf/openproject/stable/9/debian 9
main
```

```
apt-get update
apt-cache policy openproject
apt-get install openproject=9.0.4-1570023722.b1f1184d.stretch
```

```
sudo openproject configure
```

Choose:

- Install a new PostgreSQL server and database locally
- Install apache2 server
- Install new memcached server

Now we have running OP9.0.4 with PGSql.

## install pgloader

refer to

<https://www.openproject.org/operations/migration-guides/migrating-packaged-openproject-database-postgresql/>

```
wget -q0- https://dl.packager.io/srv/opf/pgloader-ccl/key | sudo apt-key add -
sudo wget -O /etc/apt/sources.list.d/pgloader-ccl.list \
https://dl.packager.io/srv/opf/pgloader-ccl/master/installer/debian/9.repo
sudo apt-get update
```

```
sudo apt-get install pgloader-ccl
```

## import backup

All backup parts are simply compressed directories and can be unpacked (or simply rsynced from another host). Only database dump need to be imported.

Rsync command:

```
rsync -r -a -v -e ssh root@REMOTE:/var/db/openproject/files/  
/var/db/openproject/files
```

## import mysql dump

```
apt-get install mysql-server
```

```
mysql
```

```
CREATE USER 'openproject'@'localhost' IDENTIFIED BY 'password';  
CREATE DATABASE openproject CHARACTER SET utf8mb4;  
GRANT ALL PRIVILEGES ON openproject.* TO 'openproject'@'localhost';  
\q
```

Configure openproject for mysql:

- store original postgresql somewhere:

```
openproject config:get DATABASE_URL
```

- openproject config:set  
MYSQL\_DATABASE\_URL="mysql2://openproject:password@127.0.0.1:3306/openproject"
- openproject config:set  
DATABASE\_URL="mysql2://openproject:password@127.0.0.1:3306/openproject"
- openproject run rake db:create:all

Restore backup dump:

```
zcat mysql-dump-20191211011301.sql.gz | mysql -u openproject -p openproject
```

Restart service:

```
systemctl restart openproject
```

Set database URL to previously created postgresql database:

```
openproject config:set  
DATABASE_URL=postgres://openproject:...@127.0.0.1:45432/openproject
```

Migrate database:

```
sudo openproject run ./docker/mysql-to-postgres/bin/migrate-mysql-to-postgres
```

Remove mysql:

```
apt-get remove mysql-server  
openproject config:unset MYSQL_DATABASE_URL
```

Restart service:

```
systemctl restart openproject
```

## Upgrade OP to 10

</etc/apt/sources.list.d/openproject.list>

```
deb https://dl.packager.io/srv/deb/opf/openproject/stable/9/debian 9  
main  
deb https://dl.packager.io/srv/deb/opf/openproject/stable/10/debian 9  
main
```

```
apt-get update  
apt-cache policy openproject  
apt-get install openproject=10.0.0-1569215906.69231eeb.stretch  
sudo openproject configure  
  
apt-get upgrade  
sudo openproject configure
```

From:  
<https://niziak.spox.org/wiki/> - niziak.spox.org

Permanent link:  
<https://niziak.spox.org/wiki/linux:sw:openproject:migrate>

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