

Upgrade Passwork Self-Hosted Edition up to version 3.0

Create backup

Before starting the update, we recommend creating backup data and the entire directory with Passwork.

If you are using a virtual machine, then instead of backups, it is enough to create a snapshot of the machine.

Manual creation of database backup is described here:

<https://github.com/passwork-me/manuals-en/blob/master/Backups.md>

During the upgrade, ask your users not to use Passwork.

Version check

Open page /check.php

Check versions:

- Php
- PhalconPHP

Update plan:

1. Update code, PHP and extensions
2. Migration to the new version

For each version of PHP and the Phalcon extension, the upgrade script is described below. After you finish updating the code and PHP, then return to this place and complete the update with migration.

Migration

Must be done *after* updating PHP and Phalcon.

1. Open the Passwork. If you are logged in — make a logout.
2. Log in as administrator. This account will become the owner of the organization (new type of user). You can change the owner later.
3. After logging in, you will see the “Run update” button. Click it.
4. Passwork will roll out the necessary update

Done, all users can continue to work. Their passwords and access levels remained unchanged.

Important

If you use LDAP / AD integration, then note that the owner of the organization (the owner will be assigned to the user under which you started the migration) always uses the login and password of the local Passwork's account (and not the password of the LDAP / AD account).

It helps configure LDAP / AD more conveniently, since you no longer have to turn off LDAP when you need to log in as a local admin. We recommend to consider the owner of the organization as the main administrator (or root-user in the terminology of Linux) and use it for technical work. The system can have only one owner, who is automatically considered an administrator with full rights. Other users can not remove the status of the owner.

Update code, PHP and extensions.

Find your version below.

PHP 7.x, PhalconPHP 3.x

These versions are fully compatible with the 3.0 version of Passwork. It is necessary to update the Passwork code from our <https://passwork.download/> repository and the new **v3** branch.

Logout

Log out before starting the upgrade.

For GIT users

Switch to the branch **v3**:

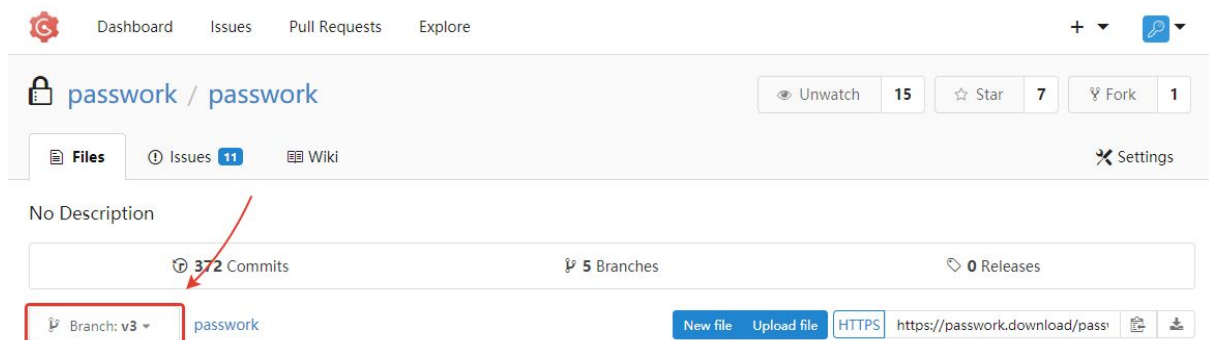
```
git checkout v3
```

Pull the updates:

```
git pull
```

If you don't use GIT

Log in on <https://passwork.download/> and download source code from the branch **v3**



Then replace the old source files with a new one (we recommend you to rename the Passwork folder, create a new one and upload new files into it).

Do not forget:

- move the config.ini file from <passwork>/app/config/
- move the keys from <passwork>/app/keys/
- check file permissions of the new folder

More details can be found here:

<https://github.com/passwork-me/manuals-en/blob/master/How%20to%20update.md>

Note

For Windows + IIS, you must reload the rewrite rules:

<https://github.com/passwork-me/manuals-en/blob/master/WindowsServer-2016.md>

PHP 5.x, PhalconPHP 3.x

Before updating Passwork, you need to upgrade PHP version to 7 and install the new PHP driver for Mongo Database (mongodb.so).

Setting up a new server

If you have the opportunity to configure a new server and transfer data to it, we recommend that you consider this path. In this case, you will always have a working version to which you can return. Data transfer is performed by creating and deploying backups.

Setting up servers for PHP 7.x is described here:

<https://github.com/passwork-me/manuals-en>

Update current server

If there is no opportunity to set up a new server, then you will need to update the current one. You need to install PHP version 7 and the PHP extension **mongodb**. Database update is not required.

If you do not know how to upgrade PHP for your operating system, email us

support@passwork.me

After updating PHP, install the **mongodb** PHP extension as described in the documentation

<https://github.com/passwork-me/manuals-en>

Open the */check.php* page to make sure that PHP 7.x is used and mongodb is connected (the old mongo extension will be displayed unconnected).

PHP 7.0.32-4+ubuntu18.04.1+deb.sury.org+1

mongo	Not found
phalcon	Ok v. 3.4.2
mcrypt	Not found
openssl	Ok v. 7.0.32-4+ubuntu18.04.1+deb.sury.org+1
json	Ok v. 1.4.0
bcmath	Ok v. 7.0.32-4+ubuntu18.04.1+deb.sury.org+1
session	Ok v. 7.0.32-4+ubuntu18.04.1+deb.sury.org+1
mbstring	Ok v. 7.0.32-4+ubuntu18.04.1+deb.sury.org+1
ldap	Ok v. 7.0.32-4+ubuntu18.04.1+deb.sury.org+1

mongo, mcrypt — older, more unused extensions.

Now go higher in this documentation to point “PHP 7.x, PhalconPHP 3.x” and upgrade Passwork to version 3.0.

PHP 7.x, PhalconPHP 1.x-2.x

You shouldn't get this case. Contact us support@passwork.me

PHP 5.x, PhalconPHP 1.x-2.x

Starting with version 3, the PhalconPHP extension uses the *openssl* library for encryption (instead of mcrypt). Both libraries implement the AES256 algorithm, but are not compatible. It means that the data encrypted with the 2nd version of Phalcon cannot be decrypted with the 3rd version.

To solve this problem, we developed a data backup mechanism into a JSON file.

Update your Passwork to the latest version for PHP-5:

<https://github.com/passwork-me/manuals-en/blob/master/How%20to%20update.md>

Create JSON dump and update server

1. Go to page `/#!/migration/`
2. Click on the “Create export file” button.
3. Passwork will create a dump file in the `<passwork>/app/export/`.
4. Copy it to a separate place.
5. Update PHP to version 7 as described in the “**PHP 5.x, PhalconPHP 3.x**” section of this manual.

6. In addition to PHP and mongodb, you need to install PhalconPHP version 3. Updating PhalconPHP is no different than installing it, so you can use the installation documentation: <https://github.com/passwork-me/manuals-en>

Important

PhalconPHP v.4 has been recently released. At the moment, Passwork is not compatible with PhalconPHP v.4. You need to install exactly the 3rd version of this extension (our instructions describe how to do this).

Open the /check.php page to make sure that PHP 7.x is used and mongodb is connected (the old mongo extension will be displayed unconnected).

PHP 7.0.32-4+ubuntu18.04.1+deb.sury.org+1

mongo	Not found
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session	Ok v. 7.0.32-4+ubuntu18.04.1+deb.sury.org+1
mbstring	Ok v. 7.0.32-4+ubuntu18.04.1+deb.sury.org+1
ldap	Ok v. 7.0.32-4+ubuntu18.04.1+deb.sury.org+1

Database update

Delete or rename your current database (using the **mongo** shell utility, or the Robo 3T Windows client).

Deploy a dump of an empty database from the <passwork>/dump/folder. This procedure is described in the documentation: <https://github.com/passwork-me/manuals-en>

Json dump recovery

1. Open Passwork. The system will offer to register the first user. Create a user with **tmp** login (or any other login that did not exist before, this user will be required only to restore the database).
2. Go to Menu → Backup and Restore.
3. Click "Load a copy from file" and select the json file created in the previous steps. The file will be displayed in the table.
4. Click "Restore" and select the option "Delete data". Passwork will load the data and log you out..

Important

Section “**PHP 5.x, PhalconPHP 1.x-2.x**” may be difficult if you do not have experience maintenance of websites. We are ready to connect to you via TeamViewer and help with the update. Also we can stay online on Skype for operational assistance.

Contact us at support@passwork.me to schedule the date and time of the update.