# OPM Maintenance

## How to create a „private repository”

A private repository simplifies the maintenance of OPM since adding/deleting of packages in the online repository is very difficult.

* Create an empty folder on the local PC, e.g. “opm\_private\_repository”
* Open OPM > “create” > “Create private repository” > “Create”. Type the name of the repo (as above). Field “Address” can remain empty. Add some text as “Description”.
* Now, using WinSCP copy all files (including “packagelist.json”) from the online repository into the private repository.

## How to add a new package

The package maintainer asked for inclusion of a specific packge. He either sent a zip file directly or a URL of the zip file. Unzip this file into an empty folder – I have a “opm\_packages” in which every sent zip is extracted. Create another folder “\_for\_upload” inside “opm\_packages” for the generated files

* Open OPM > “Create” > “Create repository package”
* In “Package directory” specify the directory which contains the unzipped package files
* Fill in the fields in the “Create repository package” form for the package json file. I don’t know how a json sent by the author could be opened… A tedious step!
* “Create” to write the package json file. Specify “\_for\_upload” as destination directory.
* “\_for\_upload” now contains the re-generated zip file and the package json.
* In OPM, select “Create” > “Create private repository”. The local repository is displayed.
* Click “Add” and select the json in the “\_for\_upload” folder. This copies the zip file into the local repository and adds an entry for the new package in the packagelist.json.
* Using WinSCP, copy the zip file and the packagelist.json from the local to the remote repository. Now the new package should be visible in OPM.

## How to delete a package

* Open OPM > “Create” > “Create repository package”. All packages in the local repository will be listed.
* Select the package to be deleted.
* Click “Delete”. This rewrites the local packagelist.json and deletes the package zip file from the local repo.
* Using WinSCP delete the package file from the remote repo and copy the local packagelist.json to the remote repository.

## How to update a package

* Follow the steps of “How to add a new package” to re-create the package zip and json files.
* Open the json file in an editor.
* Open the packagelist.json from the local repository as well. Find the entry for the package to be replaced.
* Copy & paste the “RepositoryFileSize”, “RepositoryFileHash” and “RepositoryDate” entries from the package json to the packagelist.json.
* Sometimes other things are changed, e.g. compatibility versions. Make sure that these data are in the packagelist.json as well.
* Using WinSCP copy the package zip file and packagelist.json to the remote repository.