

Satis Server

Satis is an open-source package hosting product offering professional support and web-based management of private packages. Private Packagist provides mirroring for packages' zip files which makes installs faster and independent from third party systems - e.g. you can deploy even if GitHub is down because your zip files are mirrored.

Satis is hosted on digital ocean packages.clevercherry.net or 209.97.190.39.

The server runs PHP 8 and the latest version of the Satis package, therefore it should not need an update for a while.

Current Packages on Satis:

- [git@bitbucket.org:clevercherry/media-manager.git](https://bitbucket.org/clevercherry/media-manager.git)
- [git@bitbucket.org:clevercherry/backslash.git](https://bitbucket.org/clevercherry/backslash.git)
- [git@bitbucket.org:clevercherry/backslash4.git](https://bitbucket.org/clevercherry/backslash4.git)
- [git@bitbucket.org:clevercherry/gridview.git](https://bitbucket.org/clevercherry/gridview.git)

¹ Adding a New 'git tag' (version number) to a Project

You can do this on the Bitbucket web interface, go into the commit and on the right there is add tags.

Then a git fetch on your local will reflect the change and the new tags (don't add a v before the tag name just use the numbers eg. 4.0.2)

Remember to change the version number inside the code of the package to, so everything matches, you may want to change to a -dev version number in the repo after you have created the new tagged version

```
1 git fetch
2 git pull --tags
```

You can see all the tags a project has using

```
1 git tag
```

You can do it on your local and then push it

```
1 git tag x.x.x <-- current tag version + 1
2 git push --tags
```

You can see the tag data along with the commit that was tagged by using the `git show` command:

```
1 git show x.x.x
```

For more information about tagging go <https://git-scm.com/book/en/v2/Git-Basics-Tagging>

To delete a tag (which can't be done in the Bitbucket web interface), so on your local

```
1 git fetch
2 git pull --tags
3 git tag -d x.x.x
4 git push origin --delete x.x.x
```

² Build/Store latest Tags Onto the Package Server

Instructions for updating a package

1. SSH into the server

```
1 ssh packages
```

2. change to the satis server directory with the configuration file – there is an easy alias `cdsatis`

```
1 cd /var/www/packages.clevercherry.net/public_html
```

3. Run the packages building script after you have made any changes to the `satis.json` file
-- there is an easy alias to run this `buildsatis`

```
1 php satis/bin/satis build satis.json ./
```

This will pull all the latest tags of the projects mentioned inside satis.json. If you need to add a new project to be pulled through, edit this file and add the Bitbucket URL, then run the command above.

Note: when Bitbucket changes it's host keys you'll probably have to delete the known hosts file, you can check this by attempting to log in by ssh from the package server

```
1 ssh -T git@bitbucket.org
```

Command Aliases

The above commands have been set up as aliases when you login to the server by ssh

`edsatis` -- moves to directory and opens `satis.json` in the nano editor

`visatis` -- moves to directory and opens `satis.json` in the vi editor

`cdsatis` -- moves to directory

`buildsatis` -- moves to the directory and runs the above php build command

You can check what packages and versions are on the server at <https://packages.clevercherry.net/>

cf. [🔗 Using - Satis](#)

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