



Git submodules

Devops Meetup Krk

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# GIT submodules - WTF?

PL: moduły zależne

```
git submodule add <URL> <dirname>
```

```
git status
```

```
git diff --cached --submodule
```

.gitmodules

```
[submodule "ansible-piwik"]  
    path = ansible-piwik  
url = git@github.com:docent-net/ansible-piwik.git
```

# Cloning repos w/submodules?

```
git clone <URL> # just standard content without submodules data
```

# Cloning repos w/submodules?

```
git submodule init  
git sumobule update
```

# Cloning repos w/submodules?

```
git clone --recursive <URL>
```



# Update submodule code to the latest revision?

```
# run in submodule dir
git fetch
git merge <origin/master>
```

```
# updates all submodules data
# run from maindir
git submodule update --remote
```

# Change submodule branch?

- `.gitmodules`
- `~/.git/config`

by default: detach HEAD state

```
git checkout <branch>  
git submodule update --remote merge
```

# Pushing changes?

```
git push --recurse-submodules
```

# Removing submodule?

```
# edit .gitmodules  
git rm --cached <submodule-dir>  
# commit change
```

# foreach

```
git submodule foreach 'git diff'  
git submodule foreach 'git pull'
```



Thanks :)

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