

```
$ fab -H server world_domination:now=yes
```

```
[server] Executing task 'world_domination'  
[server] run: echo -n 'World is ours, what now?'  
[server] out: World is ours, what now?
```

Fabric

Deployment made easy

Features

SSH-Verbindung zu den Servern

Ausführung beliebiger Befehle am Server und Lokal

Unterstützung für sudo

Serielle und parallele Ausführung

Up- und Download von Dateien

Serverprovisioning mit provy

Fabfiles (fabfile.py)

```
from fabric.api import *

env.roledefs = {
    'db': ['db1'],
    'web': ['web1', 'web2', 'web3'],
}
env.target_dir = '/var/data/myapp'

def deploy(tag):
    """Run run run..."""
    execute(migrate)
    execute(update, tag)
```

```
@roles('db')
def migrate():
    put('update.sql', '/tmp/update.sql')
    run('psql db -f /tmp/update.sql')

@roles('web')
def update(tag):
    with cd(env.target_dir):
        run('git fetch origin --tags;'
            'git checkout {tag}' \
            .format(tag=tag))
        run('touch app.wsgi')
```

Fab CLI

```
$ fab -l
```

Available commands:

```
deploy  Run run run run...  
migrate  
update
```

Fab shell mode:

```
$ fab -H srv01,srv02 -- uname -a
```

↑
hosts

↑
command

Fab CLI (cont.)

env settings task task args

↓ ↓ ↓

```
$ fab --set target_dir=/tmp deploy:tag=v1.12.13
```

Going crazy:

```
$ fab --set key=value -u user -R role1,role2 -x host4 --parallel \  
task1:arg1,arg2,arg3,kwarg1=val1,kwarg2=val2 \  
task2:hosts=host1,host2
```

Fragen? & Danke!