

# IUGW17

Deploying Invenio v3

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# Provisioning

- Equivalent of `provision-* .sh` scripts
- Docker, Puppet, Ansible, ...

# Building

- Git is your friend!
- QA vs Production
- Use pinned requirements (requirements builder)

# Deploying!

- Fabric! Library and command-line tool, similar to Makefiles, with the ability to execute commands via SSH on a remote server.

```
@task
def build():
    """Build source code.

    Known limitations:
    - Editable packages are not compiled to pyc.
    - The virtualenv is not guaranteed to be a clean build.
    """
    local(
        'su -l {app_user} -c "{kinit}workon {venv} && '
        'cdvirtualenv src/{venv} && '
        'pip install -r requirements.developer.txt --exists-action w && '
        './scripts/setup-assets.sh"'.format(
            kinit=_kinit(), **env)
    )
```

# Deploying!

```
$ ssh builder.my_cloud.de
$ workon cds
$ cdvirtualenv scripts
$ fab bootstrap
$ fab build
$ fab -u <user> -I deploy
```

Thanks!