

Jiskefet

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Deployment

Planning

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Overview

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Planning

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Deployment

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Deployment

Planning

- Ansible
 - API
 - UI
 - Database
 - Jenkins CI
- Jenkins CI
 - Linting
 - Testing
 - Codecov

Deployment

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Planning

Directory Structure Overview

```
└─ ci
└─ docs
└─ files
└─ tasks
    ! change-env-variables.yml
    ! create-jiskefet-user.yml
    ! firewall.yml
    ! git.yml
    ! mysql.yml
    ! nginx.yml
    ! nodejs.yml
    ! npm.yml
    ! pm2.yml
    ! unarchive.yml
◆ .gitignore
⚙️ ansible.cfg
{} ansible.config.json
≡ ansible.config.json.template
≡ hosts
👤 LICENSE
① README.md
! site.yml
```

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Common tasks

path: site.yml

```
- name: apply common configuration to all nodes
  hosts: all
  remote_user: root
  tasks:
    # Create jiskefet-api user
    - include: tasks/create-jiskefet-user.yml
```

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Web server path: site.yml

```
tasks:
  # Install git
  - include: tasks/git.yml
    when: use_local_repository == "no"

  # Unarchive projects
  - include: tasks/unarchive.yml
    when: use_local_repository == "yes"

  # Setting environment variables
  - include: tasks/change-env-variables.yml

  # Install Node.js
  - include: tasks/nodejs.yml

  # Do npm install
  - include: tasks/npm.yml

  # Starts firewalld service
  - include: tasks/firewall.yml

  # Install and run nginx
  - include: tasks/nginx.yml

  # Install and run pm2
  - include: tasks/pm2.yml
```

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Database server
path: site.yml

```
tasks:
  # Starts firewalld service
  - include: tasks/firewall.yml

  # Install MySql (MariaDB)
  - include: tasks/mysql.yml
```

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- config/environment variables validation
- reduce the manual steps required to deploy the CI server