DigitalOcean

App Platform

Step by Step

Building a simple but complete application

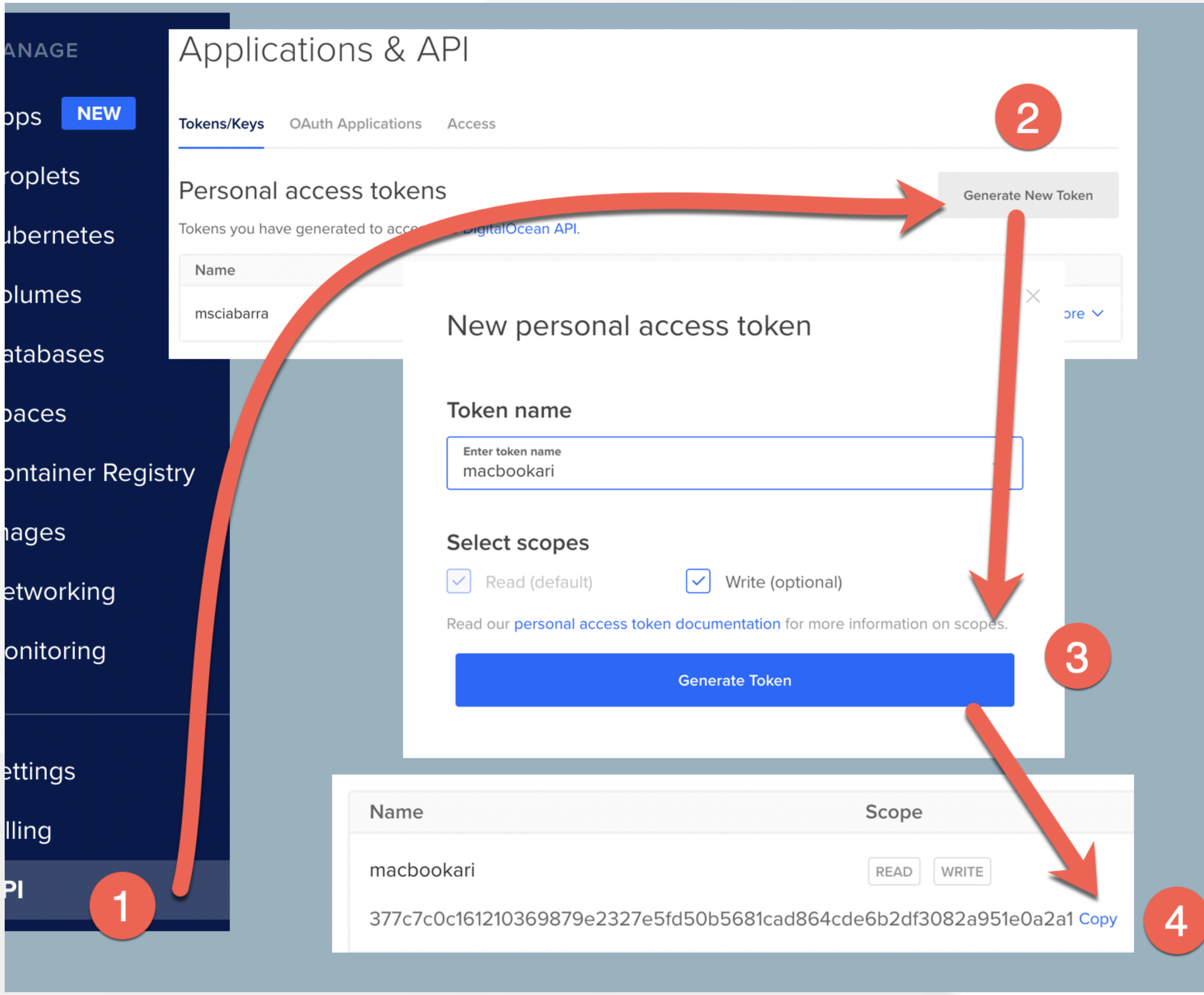
https://www.digitalocean.com

Agenda

- Installing the cli
  - https://docs.digitalocean.com/reference/doctl/how-to/install/
- Develop the Front-End
  - Provision a static site
- Implement the Api
  - Provision a node backed
- Setup storage
  - Provision a database

Get your token

- Install the `doctl` cli
- Click on **API** on Menu
- Click on **Generate New Token**
- Click on **Generate Token**
- Click on **Copy**
- Type `doctl auth init` and paste



Applications & API

Personal access tokens

Tokens you have generated to acc… DigitalOcean API.

Name
msciabarra

New personal access token

Token name

Enter token name: macbookari

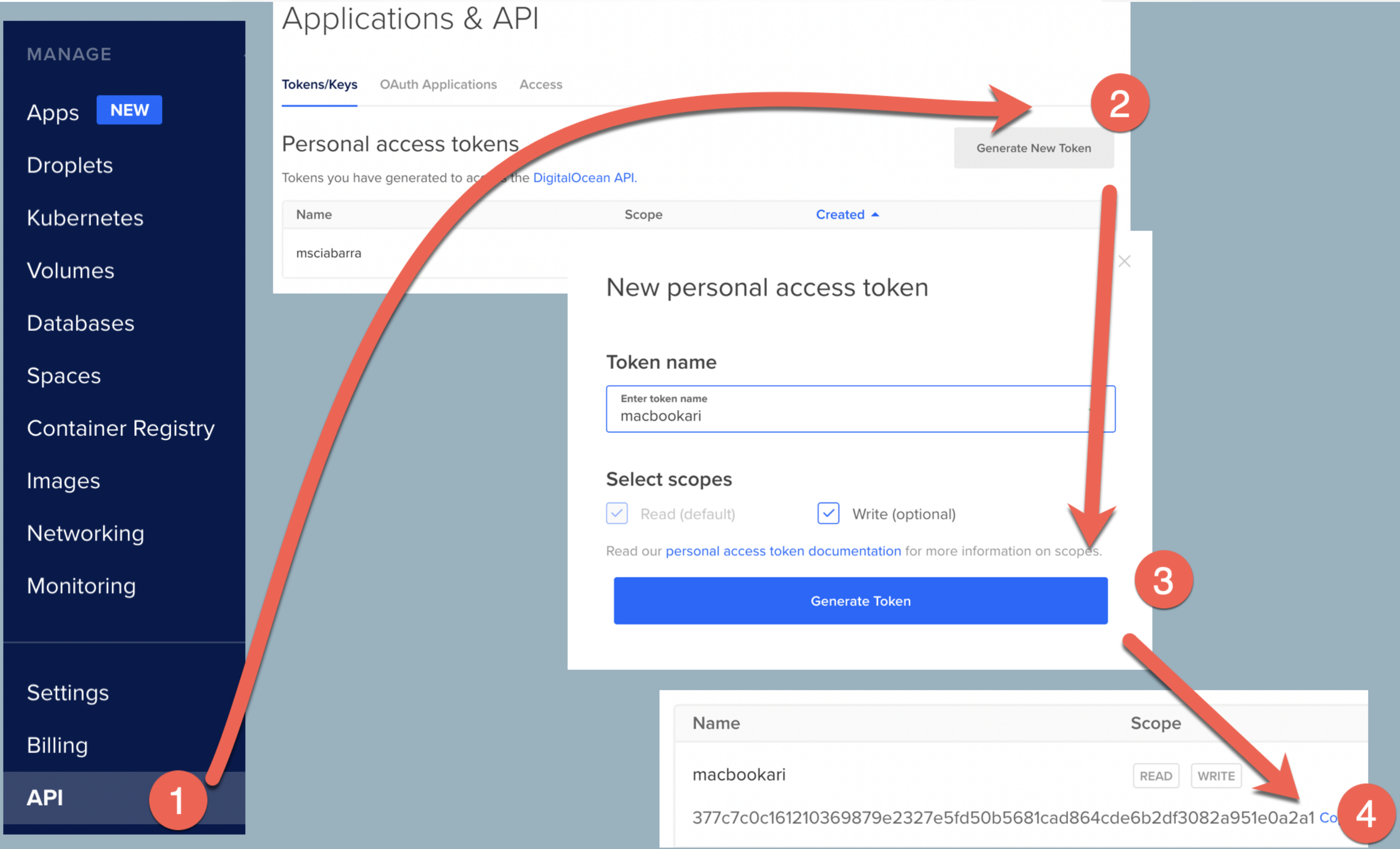
Select scopes

☑ Read (default) ☑ Write (optional)

Read our personal access token documentation for more information on scopes.

Name	Scope
macbookari	READ WRITE

377c7c0c161210369879e2327e5fd50b5681cad864cde6b2df3082a951e0a2a1 Copy



Applications & API

Personal access tokens

Tokens you have generated to access the DigitalOcean API.

Name	Scope	Created ▲
msciabarra		

New personal access token

Token name

Enter token name: macbookari

Select scopes

☑ Read (default) ☑ Write (optional)

Read our personal access token documentation for more information on scopes.

Name	Scope
macbookari	READ WRITE
377c7c0c161210369879e2327e5fd50b5681cad864cde6b2df3082a951e0a2a1 Co	

Creating a frontend

- An example using Svelte

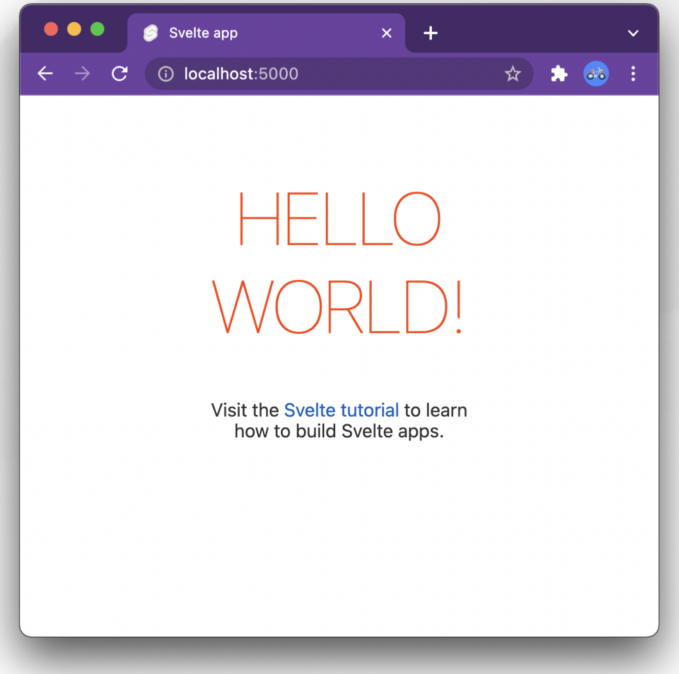
```
npx degit sveltejs/template frontend
```

- Install it

```
cd frontend && npm install
```

- Run in development mode

```
npm run dev
```



HELLO WORLD!

Visit the Svelte tutorial to learn how to build Svelte apps.

Deployment: `.do/app.yaml`

```yaml
name: tutorial-app-platform
static_sites:
- name: frontend
  github:
    repo: sciabarrado/tutorial-app-platform
    branch: main
    deploy_on_push: true
  build_command: npm run build
  source_dir: frontend
  routes:
  - path: /
```

- Deploy with: `doctl app create --spec .do/app.yaml`

Exercise: frontend

```
# creating the frontend
npx degit sveltejs/template frontend
cd frontend && npm install
npm run dev
# deploying the frontend
mkdir .do
cp conf/app-1.yaml .do/app.yaml
doctl app create --spec .do/app.yaml
# monitoring
ID=$(doctl app list | awk '/tutorial-app-platform/ { print $1}')
echo $ID
doctl app logs $ID
```

Updating

```
# update
ID=$(doctl app list | awk '/tutorial-app-platform/ { print $1}')
doctl app update $ID --spec .do/app.yaml
```