

Server Provision and management app

-Installation manual-

Prerequisites:

- A fresh Red Hat Enterprise Linux virtual machine, on cloud or on premises
- Sudo privileges
- A stable internet connection
- Open ports needed: 27017, 80, 3000

Installation steps:

1/ Install Docker:

- **Remove old versions if any:**
`sudo yum remove docker \`
`docker-client \`
`docker-client-latest \`
`docker-common \`
`docker-latest \`
`docker-latest-logrotate \`
`docker-logrotate \`
`docker-engine \`
`podman \`
`runc`
- **Create a script docker.sh that contains these commands:**
`sudo yum install -y yum-utils`
`sudo yum-config-manager --add-repo https://download.docker.com/linux/rhel/docker-ce.repo`
`sudo yum install docker-ce docker-ce-cli containerd.io docker-buildx-plugin docker-compose-plugin`
`sudo systemctl start docker`
`sudo systemctl chmod 666 /var/run/docker.sock`
- **Add execute permissions for docker.sh :**
`sudo chmod +x docker.sh`
- **Run the script:**
`sudo ./docker.sh`

2/ Install Git:

`dnf install git`

`git --version`

3/ Install node and npm:

```
curl -fsSL https://rpm.nodesource.com/setup_18.x | sudo bash -  
sudo yum install -y nodejs
```

4/ Install angular cli :

```
Npm install -g @angular/cli@17.0.7
```

5/ Install and enable Apache web server:

```
dnf install httpd  
sudo systemctl enable httpd  
sudo systemctl start httpd
```

6/ Install Ansible:

```
sudo subscription-manager repos --enable ansible-2.9-for-rhel-8-x86_64-rpms  
Sudo yum install ansible
```

7/ Modify Ansible playbook inventory host to localhost

8/ Execute Ansible playbook :

```
ansible-playbook -i hosts my-playbook.yml --become --become-user=root --ask-become-pass
```

9/ Verify deployment: Application should now be available on port 80 on the host machine.

10/ Create the first root admin (with SuperAdmin role) using this command (change it before executing..) :

```
curl -X POST http://localhost:3000/api/auth/register \  
-H "Content-Type: application/json" \  
-d '{  
  "fullName": "Super Admin",  
  "email": "superadmin@gmail.com",  
  "password": "admin",  
  "position": "Manager",  
  "matricule": "000000",  
  "phoneNumber": "99560555",  
  "role": "SuperAdmin",  
  "Permissions": []  
'
```