

# USE DOCKER AT AWS WITH CLI

## Command Cheat Sheet

### Task 1: Launch an AWS Server

Sign in at AWS ([aws.amazon.com](https://aws.amazon.com))  
Launch an EC2 AWS Linux server

#### RESOURCES

Docker Documentation:  
[docs.docker.com](https://docs.docker.com)

Amazon Web Services (AWS):  
[aws.amazon.com](https://aws.amazon.com)

### Task 2: Connect to AWS & Install Docker

```
mv ./Downloads/docker-server.pem ./keys
cd keys
ls
sudo chmod 400 ./docker-server.pem
ssh -i /home/rhyme/keys/docker-server.pem ec2-user@xx.xx.xx.xx
sudo yum install -y docker
docker -v
exit
```

### Task 3: Verify Docker, Help, and Permissions

```
ssh -i /home/rhyme/keys/docker-server.pem ec2-user@xx.xx.xx.xx
docker -v
sudo service docker start
docker --help
docker container --help
sudo groupadd docker (it probably already exists)
sudo usermod -aG docker ec2-user
exit
ssh -i /home/rhyme/keys/docker-server.pem ec2-user@xx.xx.xx.xx
docker run hello-world
exit
```

### Task 4: Connect to the Server & Manage Docker Images

```
sudo service docker start
ssh -i /home/rhyme/keys/docker-server.pem ec2-user@xx.xx.xx.xx
docker image pull httpd
docker image pull nginx:latest
docker image ls
docker image rm nginx:latest
docker image ls
exit
```

### Task 5: Connect to the Server & Manage Docker Containers

```
sudo service docker start
ssh -i /home/rhyme/keys/docker-server.pem ec2-user@xx.xx.xx.xx
docker container ls -a
docker container create -it --name myalpine alpine:latest
docker container create -it -p 5001:5000 --name mynginx nginx:latest
docker container stop myalpine
docker container ls
docker container rm myalpine
exit
```