

EXP NO: 1	Install and configure Jenkins in Cloud platform
DATE:	

**AIM: -**

To install and configure Jenkins in Cloud platform

**ALGORITHM / PROCEDURE: -**

1. Launch a new EC2 instance in AWS, allowing inbound access on ports 80, 22, and 8080.
2. Connect to the instance via SSH using your key pair.
3. Update packages and install Java with `sudo apt update && sudo apt install openjdk-11-jdk -y`.
4. Add the Jenkins repository, then install Jenkins with `sudo apt update && sudo apt install jenkins -y`.
5. Start and enable Jenkins using `sudo systemctl start jenkins` and `sudo systemctl enable jenkins`.
6. Access Jenkins at `http://your-instance-public-ip:8080` and unlock it using the initial password found in `/var/lib/jenkins/secrets/initialAdminPassword`.
7. Complete the setup by installing suggested plugins, creating an admin user, and setting your Jenkins URL.

## OUTPUT: -

aws Services Search for services, features, marketplace products, and docs [Alt+S] zaycodes Ohio Support

EC2 > Instances > i-05bb8d08747b18bad

### Instance summary for i-05bb8d08747b18bad Info

Updated less than a minute ago

Instance ID i-05bb8d08747b18bad	Public IPv4 address 3.137.170.32   <a href="#">open address</a>	Private IPv4 addresses 172.31.11.189
Instance state Running	Public IPv4 DNS ec2-3-137-170-32.us-east-2.compute.amazonaws.com   <a href="#">open address</a>	Private IPv4 DNS ip-172-31-11-189.us-east-2.compute.internal
Instance type t2.micro	Elastic IP addresses -	VPC ID vpc-6129910a
AWS Compute Optimizer finding Opt-in to AWS Compute Optimizer for recommendations.   <a href="#">Learn more</a>	IAM Role -	Subnet ID subnet-78e54613

← → ↻ Not secure | 18.119.130.6:8080/manage/pluginManager/updates/ log out

# Jenkins

Search (CTRL+K)

Dashboard > Manage Jenkins > Plugins

## Download progress

Preparation

- Checking internet connectivity
- Checking update center connectivity
- Success

Ionicons API	Success
Folders	Success
bouncycastle API	Success
Instance Identity	Success
JavaBeans Activation Framework (JAF) API	Success
JavaMail API	Success
Mina SSHD API :: Common	Success
Mina SSHD API :: Core	Success
SSH server	Success

**RESULT: -**

Thus we successfully installed and configured Jenkins in Cloud platform