

```
C:\Users\Admin\Desktop\Project>git clone https://github.com/pandacloud1/DevopsProject1.git
Cloning into 'DevopsProject1'...
remote: Enumerating objects: 277, done.
remote: Counting objects: 100% (149/149), done.
remote: Compressing objects: 100% (145/145), done.
Receiving objects: 100% (277/277), 92.59 KiB | 1.32 MiB/s, done.
Resolving deltas: 11% (16/137)remote: Total 277 (delta 89), reused 5 (delta 2), pack-reused 128
Resolving deltas: 100% (137/137), done.
```

```
C:\Windows\System32\cmd.e  X + v
Microsoft Windows [Version 10.0.22621.3155]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Admin\Desktop\Project\DevopsProject1\terraform_files>code .

C:\Users\Admin\Desktop\Project\DevopsProject1\terraform_files
```

```
main.tf
1 # SERVER: NATAS-SECURITY (with Jenkins, Haven, Docker, Ansible, Trivy)
2 # STEP1: CREATING A SECURITY GROUP FOR JENKINS SERVER
3 # Description: Allow SSH, HTTP, HTTPS, RDP, RDP
4 resource "aws_security_group" "my_security_group1" {
5   name        = "my-security-group1"
6   description = "Allow SSH, HTTP, HTTPS, RDP for Jenkins & Haven"
7
8   # SSH Inbound Rules
9   ingress {
10    from_port = 22
11    to_port   = 22
12    protocol  = "tcp"
13    cidr_blocks = ["0.0.0.0/0"]
14  }
15
16  ingress {
17    from_port = 80
18    to_port   = 80
19    protocol  = "tcp"
20    cidr_blocks = ["0.0.0.0/0"]
21  }
22
23  ingress {
24    from_port = 443
```

Identity and Access Management (IAM)

Search IAM

Dashboard

Access management

- User groups
- Users
- Roles
- Policies
- Identity providers
- Account settings

Access reports

- Access analyzer
- External access
- Unusual access

User created successfully

You can view and download the user's password and email instructions for signing in to the AWS Management Console.

View user

Users

Users (2) info

As IAM user is associated with long-term credentials that is used to interact with AWS as an account.

Search


<input type="checkbox"/>	User name	Path	Groups	Last activity	MFA	Password age	Console last sign-in
<input type="checkbox"/>	admin	/	0	Yesterday	+	-	-
<input type="checkbox"/>	temp	/	0	-	+	-	-

Retrieve access keys [info](#)

Access key

If you lost or forget your secret access key, you cannot retrieve it. Instead, create a new access key and make the old key inactive.

Access key

 AKIAUQCLMSLD2DRUINM6

Secret access key

 [Show](#)

Access key best practices

- Never store your access key in plain text, in a code repository, or in code.
- Disable or delete access key when no longer needed.
- Enable least-privilege permissions.
- Rotate access keys regularly.

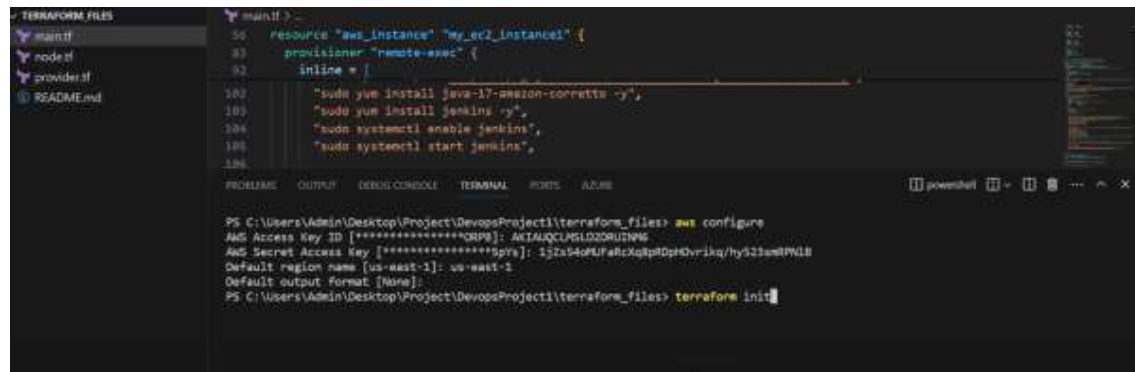
For more details about managing access keys, see the [best practices for managing AWS access keys](#).

Access key

AKIAUQCLMSLD2DRUINM6

Secret key

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



The screenshot shows a code editor with a file explorer on the left containing 'main.tf', 'node.tf', 'provider.tf', and 'README.md'. The main editor displays a Terraform configuration snippet for an AWS EC2 instance, including provisioning with 'remote-exec' and a list of shell commands to install Java and Jenkins. Below the code, a terminal window shows the output of the 'aws configure' command, displaying the Access Key ID, Secret Access Key, default region name (us-east-1), and default output format (None). The terminal prompt is currently at 'terraform init'.

```
15 resource "aws_instance" "my_ec2_instance1" {
16   provider "remote-exec" {
17     inline = [
18
19       "sudo yum install java-17-amazon-corretto -y",
20       "sudo yum install jenkins -y",
21       "sudo systemctl enable jenkins",
22       "sudo systemctl start jenkins",
23     ]
24   }
25 }
```

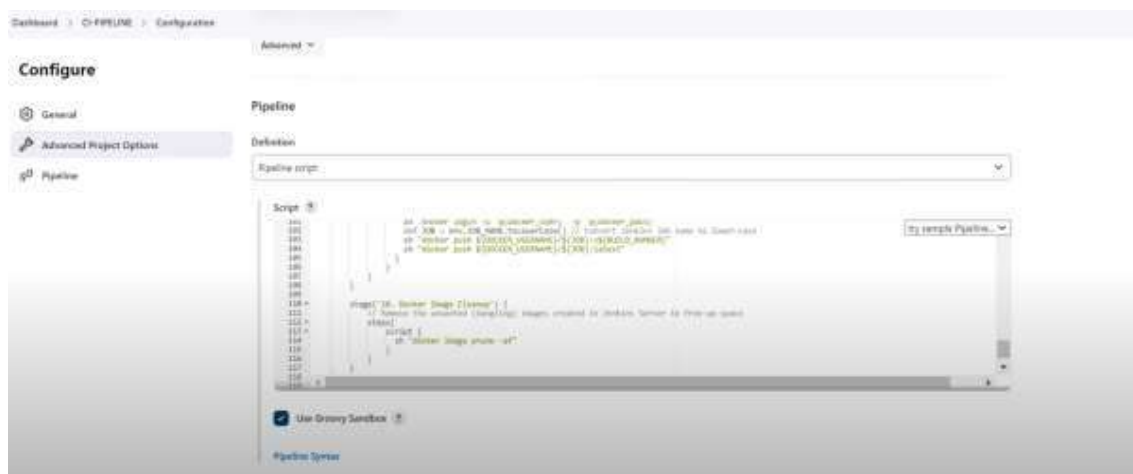
```
PS C:\Users\Admin\Desktop\Project\DevopsProject1\terraform_files> aws configure
AWS Access Key ID [*****ORP6]: AKIAUQCLMSLD2DRUINM6
AWS Secret Access Key [*****9pys]: 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
Default region name [us-east-1]: us-east-1
Default output format [None]:
PS C:\Users\Admin\Desktop\Project\DevopsProject1\terraform_files> terraform init
```

```
TERRAFORM FILES
> terraform
E terraform.lock.hcl
main.tf
MyKey.pem
node.tf
provider.tf
README.md
terraform.state

main.tf
resource "aws_instance" "my_ec2_instance" {
  key_name
  resource "aws_instance" "my_ec2_instance" {
    ...
  }
}

Apply complete! Resources: 4 added, 0 changed, 0 destroyed.

Outputs:
ACCESS_YOUR_JENKINS_HERE = "http://34.238.258.167:8888"
Jenkins_Initial_Password = "sudo cat /var/lib/jenkins/secrets/initialAdminPassword"
MASTER_SERVER_PRIVATE_IP = "172.31.95.156"
MASTER_SERVER_PUBLIC_IP = "34.238.258.167"
NODE_SERVER_PRIVATE_IP = "172.31.92.237"
NODE_SERVER_PUBLIC_IP = "3.92.132.193"
PS C:\Users\Admin\Desktop\Project\DevopsProject1\terraform_files>
```



Dashboard > CI-PIPELINE

CI-PIPELINE

Status
Changes
Build Now
Configure
Delete Pipeline
Full Stage View
Resume
Pipeline Syntax

Stage View

1. Cleanup	2. Git Checkout	3. Maven Unit Test	4. Maven Build	5. Maven Integration Test	6. Docker Image Build	7. Docker Image Tag	8. Trivy Image Scan	9. Docker Image Push	10. Docker Image Cleanup
210ms	200ms	21s	12s	10s	10s	10ms	10s	10s	10ms
210ms	200ms	21s	12s	10s	10s	10ms	10s	10s	10ms

Average stage time: 210ms (Average full run time: 1min 25s)

Build History

