

Don Bosco Institute of Technology, Mumbai 400070

Department of Information Technology

Name: Irin Roche

Sem: 5, Branch: IT, Batch: 1

Experiment No.1

22_Irin Roche

To understand the benefits of Cloud Infrastructure and Setup AWS Cloud9 IDE, Launch AWS Cloud9 IDE and Perform Collaboration Demonstration.

Creating an Environment

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AWS root account login detected
We do not recommend using your AWS root account to create or work with environments. Use an IAM user instead. This is an AWS security best practice. For more information, see [Setting Up to Use AWS Cloud9](#).

AWS Cloud9 > Environments > Create environment

Step 1
Name environment

Step 2
Configure settings

Step 3
Review

Name environment

Environment name and description

Name
The name needs to be unique per user. You can update it at any time in your environment settings.
helloworld
Limit: 60 characters

Description - Optional
This will appear on your environment's card in your dashboard. You can update it at any time in your environment settings.
printing hello world
Limit: 200 characters

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AWS security best practice. For more information, see [Setting Up to Use AWS Cloud9](#).

AWS Cloud9 > Environments > Create environment

Step 1
Name environment

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Configure settings

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Review

Configure settings

Environment settings

Environment type [Info](#)
Run your environment in a new EC2 instance or an existing server. With EC2 instances, you can connect directly through Secure Shell (SSH) or connect via AWS Systems Manager (without opening inbound ports).

- ☒ **Create a new EC2 instance for environment (direct access)**
Launch a new instance in this region that your environment can access directly via SSH.
- ☐ **Create a new no-ingress EC2 instance for environment (access via Systems Manager)**
Launch a new instance in this region that your environment can access through Systems Manager.
- ☐ **Create and run in remote server (SSH connection)**
Configure the secure connection to the remote server for your environment.

Instance type

- ☒ **t2.micro (1 GiB RAM + 1 vCPU)**
Free-tier eligible. Ideal for educational users and exploration.
- ☐ **t3.small (2 GiB RAM + 2 vCPU)**
Recommended for small-sized web projects.
- ☐ **m5.large (8 GiB RAM + 2 vCPU)**
Recommended for production and general-purpose development.
- ☐ **Other instance type**
Select an instance type.

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Other instance type

Select an instance type.

t3.nano

Platform

- ☒ **Amazon Linux 2 (recommended)**
- ☐ Amazon Linux AMI
- ☐ Ubuntu Server 18.04 LTS

Cost-saving setting
Choose a predetermined amount of time to auto-hibernate your environment and prevent unnecessary charges. We recommend a hibernation settings of half an hour of no activity to maximize savings.

After 30 minutes (default)

IAM role
AWS Cloud9 creates a service-linked role for you. This allows AWS Cloud9 to call other AWS services on your behalf. You can delete the role from the AWS IAM console once you no longer have any AWS Cloud9 environments. [Learn more](#)

AWSServiceRoleForAWSCloud9

► **Network settings (advanced)**

No tags associated with the resource.

Add new tag

You can add 50 more tags.

Cancel

Previous step

Next step

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AWSServiceRoleForAWSCloud9

Network settings (advanced)

Key

Value - required

service

cloud9

Custom tag value

Remove

Add new tag

You can add 49 more tags.

CancelPrevious stepNext step

Feedback

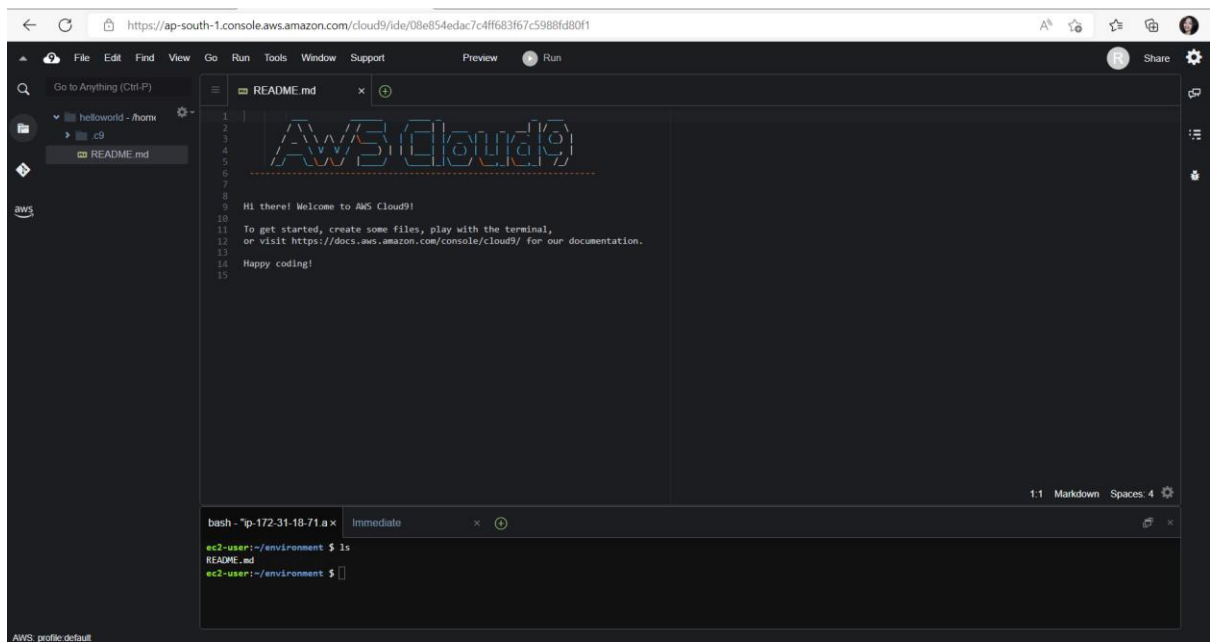
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New EC2 Experience

EC2 Dashboard

EC2 Global View

Events

Tags

Limits

Instances

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts

Capacity Reservations

Images

AMI Catalog

Elastic Block Store

Volumes

Successfully stopped i-0eeb647bbeffd3d73

Instances (1/1)

Find instance by attribute or tag (case-sensitive)

	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public
<input checked="" type="checkbox"/>	aws-cloud9-he...	i-0eeb647bbeffd3d73	Stopped	t3.small	2/2 checks passed	No alarms	ap-south-1c	-

Instance: i-0eeb647bbeffd3d73 (aws-cloud9-helloworld-08e854edac7c4ff683f67c5988fd80f1)

Details

Security

Networking

Storage

Status checks

Monitoring

Tags

Instance summary

Instance ID

i-0eeb647bbeffd3d73 (aws-cloud9-helloworld-08e854edac7c4ff683f67c5988fd80f1)

Public IPv4 address

-

Private IPv4 addresses

172.31.18.71

IPv6 address

-

Instance state

Stopped

Public IPv4 DNS

-

Hostname type

Private IP DNS name (IPv4 only)

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