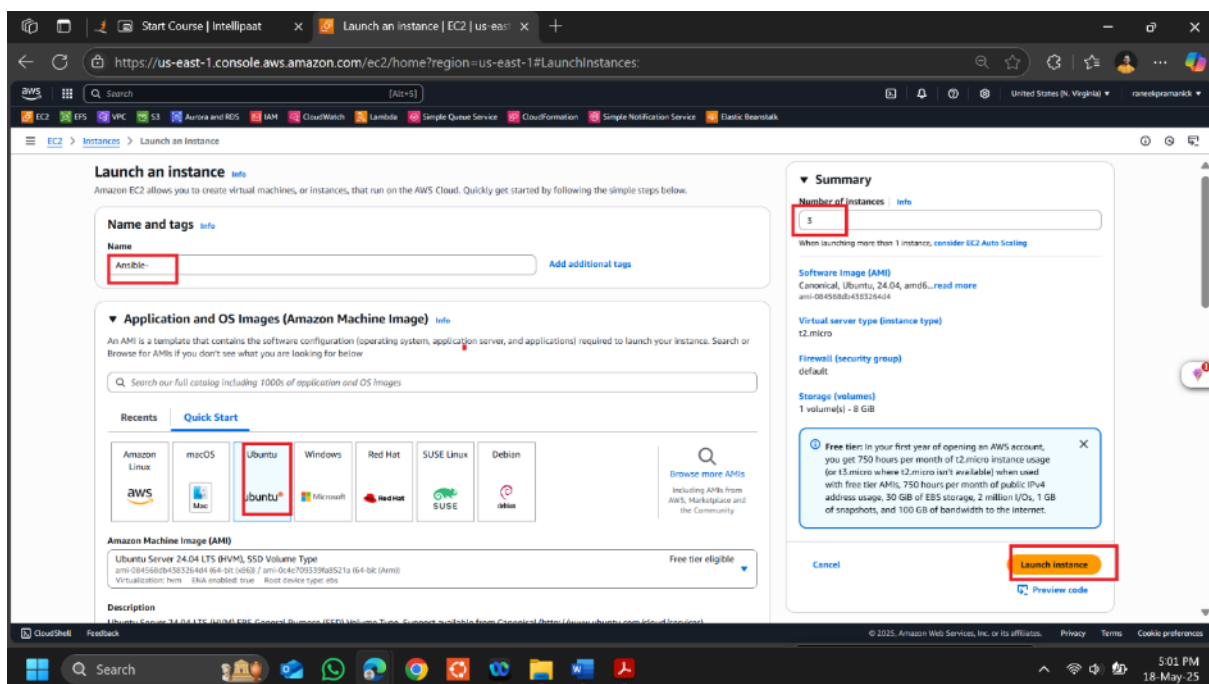


## Tasks To Be Performed:

1. Setup Ansible cluster with 3 nodes
2. On slave 1 install Java
3. On slave 2 install MySQL server

Do the above tasks using Ansible Playbooks



Start Course | IntelliJpaat x Instances | EC2 | us-east-1 x +

https://us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#Instances:

EC2 > Instances

Dashboard  
EC2 Global View  
Events

Instances

Images  
AMIs  
AMI Catalog

Elastic Block Store  
Volumes  
Snapshots  
Lifecycle Manager

Network & Security  
Security Groups  
Elastic IPs  
Placement Groups  
Key Pairs  
Network Interfaces

Load Balancing  
Load Balancers  
Target Groups  
Trust Stores

Auto Scaling

CloudShell Feedback

Instances (1/3) info

Find Instance by attribute or tag (case-sensitive) All states

Last updated less than a minute ago

Connect Instance state Actions Launch instances

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 ...	Elastic IP
Ansible-Master	i-016bd472ec85550b	Running	t2.micro	Initializing	View alarms +	us-east-1a	ec2-52-91-1-240.com...	52.91.1.240	-
Ansible-Slave1	i-0d64c5f2c4f49f21	Running	t2.micro	Initializing	View alarms +	us-east-1a	ec2-44-203-142-51.co...	44.203.142.51	-
Ansible-Slave2	i-08861e063447503bb	Running	t2.micro	Initializing	View alarms +	us-east-1a	ec2-52-90-92-123.com...	52.90.92.123	-

i-08861e063447503bb (Ansible-Slave2)

Details Status and alarms Monitoring Security Networking Storage Tags

Instance summary info

Instance ID  
i-08861e063447503bb

IPv6 address  
-

Hostname type  
IP name: ip-172-31-83-50.ec2.internal

Answer private resource DNS name

Public IPv4 address  
52.90.92.123 | open address

Instance state  
Running

Private IP DNS name (IPv4 only)  
ip-172-31-83-50.ec2.internal

Private IPv4 addresses  
172.31.83.50

Public IPv4 DNS  
ec2-52-90-92-123.compute-1.amazonaws.com | open address

Elastic IP addresses

Assignment 1 - Ansible

5:02 PM  
18-May-25

Start Course | IntelliJpaat x Instances | EC2 | us-east-1 x Installing Ansible on specific op: x +

https://docs.ansible.com/ansible/latest/installation\_guide/installation\_distro.html

Ansible Community Documentation

BLOG ANSIBLE COMMUNITY FORUM DOCUMENTATION

Ansible Reference: Module Utilities  
Special Variables  
Red Hat Ansible Automation Platform  
Ansible Automation Hub  
Logging Ansible output

ROADMAPS  
Ansible Roadmap  
ansible-core Roadmaps

Red Hat  
Ansible Automation Platform

Extend the power of Ansible to your entire team

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See OpenSUSE Support Portal for additional help with Ansible on OpenSUSE.

## Installing Ansible on Ubuntu

Ubuntu builds are available in a PPA here.

To configure the PPA on your system and install Ansible run these commands:

```
$ sudo apt update
$ sudo apt install software-properties-common
$ sudo add-apt-repository --yes --update ppa:ansible/ansible
$ sudo apt install ansible
```

This all need to run on the master machine

Note

On older Ubuntu distributions, "software-properties-common" is called "python-software-properties". You may want to use `apt-get` rather than `apt` in older versions. Also, be aware that only newer distributions (that is, 18.04, 18.10, and later) have a `-u` or `--update` flag. Adjust your script as needed.

File any issues in the PPA's issue tracker.

5:04 PM  
18-May-25











Start Course | X | EC2 | us-east-1 | X | A | Installing Ansible | X | EC2 Instance Conn | X | EC2 Instance Conn | X | EC2 Instance Conn | X | +

Search Google | Search or enter web address

RWS | Search | [Alt+S]

EC2 | ECS | EFS | VPC | S3 | Aurora and RDS | IAM | CloudWatch | Lambda | Simple Queue Service | CloudFormation | Simple Notification Service | Elastic Beanstalk

```
##### Task 10: Add a second slave node for Ansible #####
The error appears to be in '/home/ubuntu/play1.yml': line 2, column 3, but may
be a problem in the file depending on the exact syntax problem.
The offending line appears to be:
---
- name: Installing required tools in slave1
  hosts:
ubuntu@ip-172-31-92-149:~$ sudo nano play1.yml
ubuntu@ip-172-31-92-144:~$ sudo nano play1.yml
ubuntu@ip-172-31-92-149:~$ ansible-playbook play1.yml
PLAY [Installing required tools in slave1] *****
TASK [Gathering Facts] *****
[WARNING]: Platform linux on host 172.31.94.16 is using the discovered Python interpreter at /usr/bin/python3.12, but future installation of another Python interpreter could change the meaning of that path.
See https://docs.ansible.com/ansible-core/2.18/reference_appendices/interpreter_discovery.html for more information.
ok: [172.31.94.16]
TASK [Installing Java] *****
changed: [172.31.94.16]
PLAY [Installing required tools in slave2] *****
TASK [Gathering Facts] *****
[WARNING]: Platform linux on host 172.31.83.50 is using the discovered Python interpreter at /usr/bin/python3.12, but future installation of another Python interpreter could change the meaning of that path.
See https://docs.ansible.com/ansible-core/2.18/reference_appendices/interpreter_discovery.html for more information.
ok: [172.31.83.50]
TASK [Installing MySQL server] *****
changed: [172.31.83.50]
PLAY RECAP *****
172.31.83.50      : ok=2    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
172.31.94.16     : ok=2    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
ubuntu@ip-172-31-92-144:~$
```

i-016bd47f2ec85550b (Ansible-Master)  
PublicIPs: 52.91.1240 PrivateIPs: 172.31.92.144

https://us-east-1.console.aws.amazon.com/v3/home?region=us-east-1

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Start Course | X | EC2 | us-east-1 | X | A | Installing Ansible | X | EC2 Instance Conn | X | EC2 Instance Conn | X | EC2 Instance Conn | X | +

https://us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh/home?region=us-east-1&connType=standard&instanceId=i-0d64c...

RWS | Search | [Alt+S]

EC2 | ECS | EFS | VPC | S3 | Aurora and RDS | IAM | CloudWatch | Lambda | Simple Queue Service | CloudFormation | Simple Notification Service | Elastic Beanstalk

```
Welcome to Ubuntu 24.04.2 LTS (GNU/Linux 6.8.0-1024-aws x86_64)
 * Documentation:  https://help.ubuntu.com
 * Messageboard:  https://landscape.canonical.com
 * Support:       https://ubuntu.com/pro

System information as of Sun May 18 11:55:33 UTC 2025

System load: 0.0          Processes: 104
Usage of /: 35.8% of 6.71GB Users logged in: 0
Memory usage: 30%        IPv4 address for ens0: 172.31.94.16
Swap usage: 0%

Expanded Security Maintenance for Applications is not enabled.

0 updates can be applied immediately.
45 of these updates are standard security updates.
To see these additional updates run: apt list --upgradable

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

Last login: Sun May 18 11:28:14 2025 from 18.204.107.29
ubuntu@ip-172-31-94-16:~$ sudo nano .ssh/authorized_keys
ubuntu@ip-172-31-94-16:~$ ls -la
openjdk-17.0.15-2025-04-16
OpenJDK Runtime Environment (build 17.0.15+6-Ubuntu-0ubuntu124.04)
OpenJDK 64-Bit Server VM (build 17.0.15+6-Ubuntu-0ubuntu124.04, mixed mode, sharing)
ubuntu@ip-172-31-94-16:~$
```

i-0d64c5ff2cf4f5f2 (Ansible-Slave)  
PublicIPs: 44.203.142.51 PrivateIPs: 172.31.94.16

CloudShell Feedback

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