

Ansible Assignment-1

Module-6: Ansible Assignment - 1

You have been asked to:

- Setup Ansible cluster with 3 nodes
- On slave1 install java
- On slave 2 install mysql-server

Do the above tasks using Ansible playbooks

AWS Services Search [Alt+S] N. Virginia Intellipaat-Swannil

EC2 RDS IAM

EC2 > ... > Launch an instance

Launch an instance Info

Amazon EC2 allows you to create virtual machines, or instances, that run on the AWS Cloud. Quickly get started by following the simple steps below.

Name and tags Info

Name: Ansible-Assgnment Add additional tags

Application and OS Images (Amazon Machine Image) Info

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below.

Search our full catalog including 1000s of application and OS images

Recents Quick Start

Amazon Linux macOS Ubuntu Windows Red Hat SUSE Li

ubuntu® Microsoft Red Hat SUSE Li

Browse more AMIs Including AMIs from AWS, Marketplace and the Community

Summary

Number of instances Info: 3

When launching more than 1 instance, consider [EC2 Auto Scaling](#)

Software Image (AMI)
Canonical, Ubuntu, 22.04 LTS, ... [read more](#)
ami-005fc0f236362e99f

Virtual server type (instance type)
t2.micro

Firewall (security group)
New security group

Storage (volumes)
1 volume(s) - 8 GiB

Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month, 750 hours of public IPv4 address usage per month, 30 GiB of EBS storage, 2 million IOs, 1 CPU Credit, and 100 GB of data transfer in and 100 GB of data transfer out.

Cancel Launch instance Preview code

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EC2 RDS IAM

Amazon Machine Image (AMI)

Ubuntu Server 22.04 LTS (HVM), SSD Volume Type Free tier eligible

ami-005fc0f236362e99f (64-bit (x86)) / ami-07ee04759daf109de (64-bit (Arm))
Virtualization: hvm ENA enabled: true Root device type: ebs

Description

Ubuntu Server 22.04 LTS (HVM), EBS General Purpose (SSD) Volume Type. Support available from Canonical (<http://www.ubuntu.com/cloud/services>).

Canonical, Ubuntu, 22.04 LTS, amd64 jammy image build on 2024-09-27

Architecture AMI ID Username Verified provider

64-bit (x86) ami-005fc0f236362e99f ubuntu Verified provider

Instance type

t2.micro Free tier eligible

Family: t2 1 vCPU 1 GiB Memory Current generation: true
On-Demand Windows base pricing: 0.0162 USD per Hour
On-Demand Ubuntu Pro base pricing: 0.0134 USD per Hour
On-Demand SUSE base pricing: 0.0116 USD per Hour
On-Demand RHEL base pricing: 0.026 USD per Hour
On-Demand Linux base pricing: 0.0116 USD per Hour

All generations Compare instance types

Additional costs apply for AMIs with pre-installed software

Key pair (login)

You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair

Summary

Number of instances Info

3 When launching more than 1 instance, consider EC2 Auto Scaling

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Cancel Launch instance Preview code

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Security group name - required
launch-wizard-26

This security group will be added to all network interfaces. The name can't be edited after the security group is created. Max length is 255 characters. Valid characters: a-z, A-Z, 0-9, spaces, and _-:/()#@[]+=;&{}!\$*

Description - required | Info
launch-wizard-26 created 2024-10-31T00:26:35.986Z

Inbound Security Group Rules

▼ Security group rule 1 (TCP, 22, 0.0.0.0/0) Remove

Type | Info Protocol | Info Port range | Info
ssh TCP 22

Source type | Info Source | Info Description - optional | Info
Anywhere Add CIDR, prefix list or security e.g. SSH for admin desktop
0.0.0.0/0 X

⚠ Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only. X

Add security group rule Advanced network configuration

▼ Configure storage Info Advanced
1x 8 GiB gp2 Root volume (Encrypted)

▼ Summary Number of instances | Info
3 When launching more than 1 instance, consider EC2 Auto Scaling

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ⓘ Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month, 750 hours of public IPv4 address usage per month, 30 GiB of EBS storage, 2 million I/Os, 1 CPU credit, and 100 GB of S3 storage.

Cancel Launch instance Preview code

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EC2 RDS IAM

Summary

Number of instances | Info
3

When launching more than 1 instance, consider EC2 Auto Scaling

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Add security group rule | Advanced network configuration

Configure storage | Info Advanced

1x 8 GiB gp2 Root volume (Encrypted)

Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage

Add new volume

The selected AMI contains more instance store volumes than the instance allows. Only the first 0 instance store volumes from the AMI will be accessible from the instance

Click refresh to view backup information

The tags that you assign determine whether the instance will be backed up by any Data Lifecycle Manager policies.

0 x File systems | Edit

Advanced details | Info

Cancel | Launch instance | Preview code

This screenshot shows the AWS EC2 instance creation process. It includes sections for security groups, storage configuration (with a note about free tier storage), and instance details like AMI and instance type. A summary panel on the right provides an overview of the selected configurations. A modal window at the bottom right details the free tier benefits for the chosen instance type. At the bottom, there are buttons for 'Cancel', 'Launch instance', and 'Preview code'.

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EC2 RDS IAM

```
command 'sudo' from deb sudo-ldap (1.9.9-1ubuntu2.4)
command 'udo' from deb udo (6.4.1-6)
See 'snap info <snapname>' for additional versions.
ubuntu@ip-172-30-6-245:~$ sudo apt update -y
Hit:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy InRelease
Get:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates InRelease [128 kB]
Get:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports InRelease [127 kB]
Get:4 http://security.ubuntu.com/ubuntu jammy-security InRelease [129 kB]
Get:5 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/universe amd64 Packages [14.1 MB]
Get:6 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/universe Translation-en [5652 kB]
Get:7 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/universe amd64 c-n-f Metadata [286 kB]
Get:8 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/multiverse amd64 Packages [217 kB]
Get:9 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/multiverse Translation-en [112 kB]
Get:10 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/multiverse amd64 c-n-f Metadata [8372 B]
Get:11 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/main amd64 Packages [2122 kB]
Get:12 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/main Translation-en [364 kB]
Get:13 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/main amd64 c-n-f Metadata [17.9 kB]
Get:14 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/restricted amd64 Packages [2594 kB]
Get:15 http://security.ubuntu.com/ubuntu jammy-security/main amd64 Packages [1896 kB]
Get:16 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/restricted Translation-en [448 kB]
Get:17 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/restricted amd64 c-n-f Metadata [612 B]
Get:18 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/universe amd64 Packages [1133 kB]
Get:19 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/universe Translation-en [265 kB]
Get:20 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/universe amd64 c-n-f Metadata [26.4 kB]
Get:21 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/multiverse amd64 Packages [43.3 kB]
Get:22 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/multiverse Translation-en [10.8 kB]
Get:23 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/multiverse amd64 c-n-f Metadata [440 B]
Get:24 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/main amd64 Packages [67.7 kB]
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Get:26 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/main amd64 c-n-f Metadata [388 B]
Get:27 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/restricted amd64 c-n-f Metadata [116 B]
Get:28 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/universe amd64 Packages [28.8 kB]
Get:29 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/universe Translation-en [16.5 kB]
Get:30 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/universe amd64 c-n-f Metadata [672 B]
Get:31 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/multiverse amd64 c-n-f Metadata [116 B]
Get:32 http://security.ubuntu.com/ubuntu jammy-security/main Translation-en [305 kB]
Get:33 http://security.ubuntu.com/ubuntu jammy-security/main amd64 c-n-f Metadata [13.3 kB]
Get:34 http://security.ubuntu.com/ubuntu jammy-security/restricted amd64 Packages [2519 kB]
Get:35 http://security.ubuntu.com/ubuntu jammy-security/restricted Translation-en [435 kB]
Get:36 http://security.ubuntu.com/ubuntu jammy-security/restricted amd64 c-n-f Metadata [580 B]
```

i-07a1b76e660642ab7 (Ansible-Assgnment-M)

PublicIPs: 100.26.221.56 PrivateIPs: 172.30.6.245

aws | Services | Search [Alt+S] | N. Virginia | Intellipaat-Swannil

EC2 RDS IAM

```
ubuntu@ip-172-30-6-168:~$ sudo apt update
Hit:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy InRelease
Get:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates InRelease [128 kB]
Get:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports InRelease [127 kB]
Get:4 http://security.ubuntu.com/ubuntu jammy-security InRelease [129 kB]
Get:5 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/universe amd64 Packages [14.1 MB]
Get:6 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/universe Translation-en [5652 kB]
Get:7 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/universe amd64 c-n-f Metadata [286 kB]
Get:8 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/multiverse amd64 Packages [217 kB]
Get:9 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/multiverse Translation-en [112 kB]
Get:10 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/multiverse amd64 c-n-f Metadata [8372 B]
Get:11 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/main amd64 Packages [2122 kB]
Get:12 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/main Translation-en [364 kB]
Get:13 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/main amd64 c-n-f Metadata [17.9 kB]
Get:14 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/restricted amd64 Packages [2594 kB]
Get:15 http://security.ubuntu.com/ubuntu jammy-security/main amd64 Packages [1896 kB]
Get:16 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/restricted Translation-en [448 kB]
Get:17 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/restricted amd64 c-n-f Metadata [612 B]
Get:18 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/universe amd64 Packages [1133 kB]
Get:19 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/universe Translation-en [265 kB]
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Get:21 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/multiverse amd64 Packages [43.3 kB]
Get:22 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/multiverse Translation-en [10.8 kB]
Get:23 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/multiverse amd64 c-n-f Metadata [440 B]
Get:24 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/main amd64 Packages [67.7 kB]
Get:25 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/main Translation-en [11.1 kB]
Get:26 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/main amd64 c-n-f Metadata [388 B]
Get:27 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/restricted amd64 c-n-f Metadata [116 B]
Get:28 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/universe amd64 Packages [28.8 kB]
Get:29 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/universe Translation-en [16.5 kB]
Get:30 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/universe amd64 c-n-f Metadata [672 B]
Get:31 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/multiverse amd64 c-n-f Metadata [116 B]
Get:32 http://security.ubuntu.com/ubuntu jammy-security/main Translation-en [305 kB]
Get:33 http://security.ubuntu.com/ubuntu jammy-security/main amd64 c-n-f Metadata [13.3 kB]
Get:34 http://security.ubuntu.com/ubuntu jammy-security/restricted amd64 Packages [2519 kB]
Get:35 http://security.ubuntu.com/ubuntu jammy-security/restricted Translation-en [435 kB]
Get:36 http://security.ubuntu.com/ubuntu jammy-security/restricted amd64 c-n-f Metadata [580 B]
Get:37 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 Packages [912 kB]
Get:38 http://security.ubuntu.com/ubuntu jammy-security/universe Translation-en [180 kB]
Get:39 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 c-n-f Metadata [19.5 kB]
```

i-0149e51fa164493f6 (Ansible-Assgnment-S1)

PublicIPs: 54.210.107.215 PrivateIPs: 172.30.6.168

aws | Services | Search [Alt+S] | N. Virginia | Intellipaat-Swapnil

EC2 RDS IAM

```
ubuntu@ip-172-30-4-223:~$ sudo apt update -y
Hit:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy InRelease
Get:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates InRelease [128 kB]
Get:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports InRelease [127 kB]
Get:4 http://security.ubuntu.com/ubuntu jammy-security InRelease [129 kB]
Get:5 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/universe amd64 Packages [14.1 MB]
Get:6 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/universe Translation-en [5652 kB]
Get:7 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/universe amd64 c-n-f Metadata [286 kB]
Get:8 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/multiverse amd64 Packages [217 kB]
Get:9 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/multiverse Translation-en [112 kB]
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Get:36 http://security.ubuntu.com/ubuntu jammy-security/restricted amd64 c-n-f Metadata [580 B]
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Get:38 http://security.ubuntu.com/ubuntu jammy-security/universe Translation-en [180 kB]
Get:39 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 c-n-f Metadata [19.5 kB]
```

i-01530d111b838a55b (Ansible-Assgnment-S2)

PublicIPs: 3.85.136.252 PrivateIPs: 172.30.4.223

aws | Services | Search [Alt+S] | N. Virginia | Intellipaat-Swapnil

* Management: https://landscape.canonical.com
* Support: https://ubuntu.com/pro

System information as of Thu Oct 31 00:46:26 UTC 2024

```
System load: 0.0          Processes: 103
Usage of /: 24.0% of 7.57GB  Users logged in: 0
Memory usage: 21%          IPv4 address for eth0: 172.30.6.245
Swap usage: 0%
```

Expanded Security Maintenance for Applications is not enabled.

23 updates can be applied immediately.
19 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

New release '24.04.1 LTS' available.
Run 'do-release-upgrade' to upgrade to it.

```
Last login: Thu Oct 31 00:37:37 2024 from 18.206.107.29
ubuntu@ip-172-30-6-245:~$ 
ubuntu@ip-172-30-6-245:~$ 
ubuntu@ip-172-30-6-245:~$ sudo apt update -y
Hit:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy InRelease
Hit:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates InRelease
Hit:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports InRelease
Hit:4 http://security.ubuntu.com/ubuntu jammy-security InRelease
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
16 packages can be upgraded. Run 'apt list --upgradable' to see them.
ubuntu@ip-172-30-6-245:~$ 
ubuntu@ip-172-30-6-245:~$ sudo nano install.sh
```

i-07a1b76e660642ab7 (Ansible-Assgnment-M)

PublicIPs: 100.26.221.56 PrivateIPs: 172.30.6.245

aws | Services | [Alt+S]

EC2 RDS IAM

GNU nano 6.2

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

^G Help ^C Write Out ^W Where Is ^T Execute ^C Location M-U Undo M-A Set Mark M-] To Bracket M-Q Previous ^B Back ^X Exit ^R Read File ^\ Replace ^U Paste ^J Justify ^/ Go To Line M-E Redo M-6 Copy ^Q Where Was M-W Next ^F Forward ^A Prev Word ^P Next Word

i-07a1b76e660642ab7 (Ansible-Assgnment-M)

X

Public IPs: 100.26.221.56 Private IPs: 172.30.6.245

AWS | Services | Search [Alt+S] | N. Virginia | Intellipaat-Swapnil

EC2 RDS IAM

```
sudo add-apt-repository --yes --update ppa:ansible/ansible
sudo apt install ansible
ubuntu@ip-172-30-6-245:~$ bash install.sh
Hit:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy InRelease
Hit:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates InRelease
Hit:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports InRelease
Hit:4 http://security.ubuntu.com/ubuntu jammy-security InRelease
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
16 packages can be upgraded. Run 'apt list --upgradable' to see them.
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
software-properties-common is already the newest version (0.99.22.9).
software-properties-common set to manually installed.
0 upgraded, 0 newly installed, 0 to remove and 16 not upgraded.
Repository: 'deb https://ppa.launchpadcontent.net/ansible/ansible/ubuntu/ jammy main'
Description:
Ansible is a radically simple IT automation platform that makes your applications and systems easier to deploy. Avoid writing scripts or custom code to deploy and update your applications— automate in a language that approaches plain English, using SSH, with no agents to install on remote systems.

http://ansible.com/

If you face any issues while installing Ansible PPA, file an issue here:
https://github.com/ansible-community/ppa/issues
More info: https://launchpad.net/~ansible/+archive/ubuntu/ansible
Adding repository.
Adding deb entry to /etc/apt/sources.list.d/ansible-ubuntu-ansible-jammy.list
Adding disabled deb-src entry to /etc/apt/sources.list.d/ansible-ubuntu-ansible-jammy.list
Adding key to /etc/apt/trusted.gpg.d/ansible-ubuntu-ansible.gpg with fingerprint 6125E2A8C77F2818FB7BD15B93C4A3FD7BB9C367
Hit:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy InRelease
Hit:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates InRelease
Hit:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports InRelease
Hit:4 http://security.ubuntu.com/ubuntu jammy-security InRelease
Get:5 https://ppa.launchpadcontent.net/ansible/ansible/ubuntu jammy InRelease [18.0 kB]
Get:6 https://ppa.launchpadcontent.net/ansible/ansible/ubuntu/jammy/main amd64 Packages [1116 B]
Get:7 https://ppa.launchpadcontent.net/ansible/ansible/ubuntu/jammy/main Translation-en [752 B]
Fetched 19.9 kB in 1s (20.5 kB/s)
Reading package lists... Done
```

i-07a1b76e660642ab7 (Ansible-Assgnment-M)

Public IPs: 100.26.221.56 Private IPs: 172.30.6.245

AWS | Services | Search [Alt+S] | N. Virginia | Intellipaat-Swapnil

EC2 RDS IAM

```
Setting up ansible (10.5.0-1ppa~jammy) ...
Setting up python3-paramiko (2.9.3-0ubuntu1.2) ...
Processing triggers for man-db (2.10.2-1) ...
Scanning processes...
Scanning linux images...

Running kernel seems to be up-to-date.

No services need to be restarted.

No containers need to be restarted.

No user sessions are running outdated binaries.

No VM guests are running outdated hypervisor (qemu) binaries on this host.
ubuntu@ip-172-30-6-245:~$ ssh-keygen
Generating public/private rsa key pair.
Enter file in which to save the key (/home/ubuntu/.ssh/id_rsa):
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /home/ubuntu/.ssh/id_rsa
Your public key has been saved in /home/ubuntu/.ssh/id_rsa.pub
The key fingerprint is:
SHA256:fy1CcdLqtSvrTuHDFQOakJNjoXVEoxYBQywZZD1ei1U ubuntu@ip-172-30-6-245
The key's randomart image is:
+---[RSA 3072]---+
| ..+*.*OE +.. |
| .o ++O= + =. |
| o.*o+o ..o |
| o... o. .= |
| S.+.+.. |
| o.=. |
| = . |
| .... |
| o+o |
+---[SHA256]---+
ubuntu@ip-172-30-6-245:~$
```

i-07a1b76e660642ab7 (Ansible-Assgnment-M)

PublicIPs: 100.26.221.56 PrivateIPs: 172.30.6.245

aws | Services | Search [Alt+S] | X | ! | ? | ⚙️ | N. Virginia | Intellipaat-Swapnil

EC2 RDS IAM

```
Running kernel seems to be up-to-date.

No services need to be restarted.

No containers need to be restarted.

No user sessions are running outdated binaries.

No VM guests are running outdated hypervisor (qemu) binaries on this host.
ubuntu@ip-172-30-6-245:~$ ssh-keygen
Generating public/private rsa key pair.
Enter file in which to save the key (/home/ubuntu/.ssh/id_rsa):
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /home/ubuntu/.ssh/id_rsa
Your public key has been saved in /home/ubuntu/.ssh/id_rsa.pub
The key fingerprint is:
SHA256:fy1CcdLqtSvrTuHDFQOakJNjoXVEoxYBQywZZD1ei1U ubuntu@ip-172-30-6-245
The key's randomart image is:
+---[RSA 3072]---+
| .+*+.*OE +.. |
| .o ++O= + =. |
| o.*o+o ..o |
| o... o. .= |
| S.+.+. |
| o.=. |
| = . |
| .... |
| o+o |
+---[SHA256]---+
ubuntu@ip-172-30-6-245:~$ 
ubuntu@ip-172-30-6-245:~$ sudo cat /home/ubuntu/.ssh/id_rsa.pub
ssh-rsa AAAAB3NzaC1yc2EAAAQABAAQgQDEjdJQFZ1imlJx3k2KU1W8i90w9HkFL75H5km5wRz99m2v09E2+Bwd8xy1KAwcn4U2mus6R/uumJccUAgs1YLClUpN8NVSp0iqR3OLK99RYqe//ZFukD/9Tvh3PPqtgAMWQzE5JfwsrL//XkGjM+qlrSy4Ytp0Y7niccofV2
x1U9pAhSig8adXJj8zDTs1/ia/9a501wt4oEoZyDSoWaQ+Mhax4wRehxizhsjBz4nPppNki7p+KTvMyhI/6kklw9IBTJv6+zQgBrv6uWjiPhyNVagsp3y7F+FxqrZxR1gDwEo/FVdVG6psTRyH8cNAHtsNojRKV2L5GaAyYblxVTw35W92JF0sJQ1862IUjqQB6DM+6xVwf1MnF
zvK2GN4nf1IemSIHrik5FzaxbsZ1dRAwY9X98tA4Q4048e/YqGvhTj+tr9Ve5zEQ20lIgK/XmRfuQOUF0LQpA3YoLzo86RR5NUduD2YNu7sY5cQJNm8+n0409WaNJzv807o74k1Bk= ubuntu@ip-172-30-6-245
ubuntu@ip-172-30-6-245:~$ 
```

i-07a1b76e660642ab7 (Ansible-Assgnment-M)

Public IPs: 100.26.221.56 Private IPs: 172.30.6.245

aws | Services [Alt+S] | X | ? | ? | ? | N. Virginia ▾ | Intellipaat-Swapnil ▾

EC2 RDS IAM

```
Expanded Security Maintenance for Applications is not enabled.

23 updates can be applied immediately.
19 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

New release '24.04.1 LTS' available.
Run 'do-release-upgrade' to upgrade to it.

Last login: Thu Oct 31 00:39:24 2024 from 18.206.107.28
ubuntu@ip-172-30-6-168:~$ 
ubuntu@ip-172-30-6-168:~$ 
ubuntu@ip-172-30-6-168:~$ 
ubuntu@ip-172-30-6-168:~$ 
ubuntu@ip-172-30-6-168:~$ sudo apt update -y
Hit:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy InRelease
Hit:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates InRelease
Hit:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports InRelease
Hit:4 http://security.ubuntu.com/ubuntu jammy-security InRelease
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
16 packages can be upgraded. Run 'apt list --upgradable' to see them.
ubuntu@ip-172-30-6-168:~$ 
ubuntu@ip-172-30-6-168:~$ 
ubuntu@ip-172-30-6-168:~$ cd .ssh
cd: command not found
ubuntu@ip-172-30-6-168:~$ cd .ssh
ubuntu@ip-172-30-6-168:~/.ssh$ ls
authorized_keys
ubuntu@ip-172-30-6-168:~/.ssh$ ^C
ubuntu@ip-172-30-6-168:~/.ssh$ ^C
ubuntu@ip-172-30-6-168:~/.ssh$ sudo nano authorized_keys
ubuntu@ip-172-30-6-168:~/.ssh$ 
```

i-0149e51fa164493f6 (Ansible-Assgnment-S1)

PublicIPs: 54.210.107.215 PrivateIPs: 172.30.6.168

aws | Services | Search [Alt+S] | [] | [] | [] | N. Virginia | Intellipaat-Swapnil

EC2 RDS IAM

GNU nano 6.2

```
authorized_keys *
```

```
ssh-rsa AAAAB3NzaC1yc2EAAAQABAAQCMowg/ndD3BVF11XbYp91lip0KmmkMsRfjRM0koLWb5F40AWqwrXxyTkNMf0H3xHs0Df+tV/lIa42mCmOVy9+62I+EO6XGO7un0EzqXkaF/BC/+bk7vfIN3iBcPUBIbAPxaLG8ZM/fhQ+FRFNCbj+a+YzsJHHRdjqatLWtzc6><QB6DM+6xVwf1MnFzvKZGN4nf1IemSIHrik5Fzsxbz1dRAwY9X98tA4Q4048e/YqGvhTj+tr9Ve5zEQ20IIigK/XmRfuQOUF0LQpA3YoLzo86RR5NUduDZYNu7sY5cQJNm8+n0409WaNJzv807o74K1Bk= ubuntu@ip-172-30-6-245
```

^G Help ^O Write Out ^W Where Is ^R Cut ^T Execute ^C Location ^M-U Undo ^M-A Set Mark ^M-] To Bracket ^M-Q Previous ^B Back ^M-X Exit ^R Read File ^\ Replace ^U Paste ^J Justify ^/ Go To Line ^M-E Redo ^M-G Copy ^C Where Was ^M-W Next ^F Forward ^M-^ Prev Word ^M-^ Next Word

i-0149e51fa164493f6 (Ansible-Assgnment-S1)



PublicIPs: 54.210.107.215 PrivateIPs: 172.30.6.168

aws | Services | Search [Alt+S] | N. Virginia | Intellipaat-Swapnil

EC2 RDS IAM

```
Get:15 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/restricted Translation-en [448 kB]
Get:16 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/restricted amd64 c-n-f Metadata [612 B]
Get:17 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/universe amd64 Packages [1133 kB]
Get:18 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/universe Translation-en [265 kB]
Get:19 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/universe amd64 c-n-f Metadata [26.4 kB]
Get:20 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/multiverse amd64 Packages [43.3 kB]
Get:21 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/multiverse Translation-en [10.8 kB]
Get:22 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/multiverse amd64 c-n-f Metadata [440 B]
Get:23 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/main amd64 Packages [67.7 kB]
Get:24 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/main Translation-en [11.1 kB]
Get:25 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/main amd64 c-n-f Metadata [388 B]
Get:26 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/restricted amd64 c-n-f Metadata [116 B]
Get:27 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/universe amd64 Packages [28.8 kB]
Get:28 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/universe Translation-en [16.5 kB]
Get:29 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/universe amd64 c-n-f Metadata [672 B]
Get:30 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/multiverse amd64 c-n-f Metadata [116 B]
Get:31 http://security.ubuntu.com/ubuntu jammy-security/main amd64 Packages [1896 kB]
Get:32 http://security.ubuntu.com/ubuntu jammy-security/main Translation-en [305 kB]
Get:33 http://security.ubuntu.com/ubuntu jammy-security/main amd64 c-n-f Metadata [13.3 kB]
Get:34 http://security.ubuntu.com/ubuntu jammy-security/restricted amd64 Packages [2519 kB]
Get:35 http://security.ubuntu.com/ubuntu jammy-security/restricted Translation-en [435 kB]
Get:36 http://security.ubuntu.com/ubuntu jammy-security/restricted amd64 c-n-f Metadata [580 B]
Get:37 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 Packages [912 kB]
Get:38 http://security.ubuntu.com/ubuntu jammy-security/universe Translation-en [180 kB]
Get:39 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 c-n-f Metadata [19.5 kB]
Get:40 http://security.ubuntu.com/ubuntu jammy-security/multiverse amd64 Packages [37.2 kB]
Get:41 http://security.ubuntu.com/ubuntu jammy-security/multiverse Translation-en [7588 B]
Get:42 http://security.ubuntu.com/ubuntu jammy-security/multiverse amd64 c-n-f Metadata [224 B]
Fetched 34.2 MB in 15s (2268 kB/s)
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
16 packages can be upgraded. Run 'apt list --upgradable' to see them.
ubuntu@ip-172-30-4-223:~$ 
ubuntu@ip-172-30-4-223:~$ 
ubuntu@ip-172-30-4-223:~$ 
ubuntu@ip-172-30-4-223:~$ cd .ssh
ubuntu@ip-172-30-4-223:~/ssh$ ls
authorized_keys
ubuntu@ip-172-30-4-223:~/ssh$ sudo nano authorized_keys
```

i-01530d111b838a55b (Ansible-Assgnment-S2)

PublicIPs: 3.85.136.252 PrivateIPs: 172.30.4.223

aws | Services | Search [Alt+S] | [] | [] | [] | N. Virginia | Intellipaat-Swapnil

EC2 RDS IAM

GNU nano 6.2

```
authorized_keys *
```

```
ssh-rsa AAAAB3NzaC1yc2EAAAQABAAQCMowg/ndD3BVF11XbYp91lip0KmmkMsRfjRM0koLWb5F40AWqwrXxyTkNMf0H3xHs0Df+tV/lIa42mCmOVy9+62I+EO6XGO7un0EzqXkaF/BC/+bk7vfIN3iBcPUBIBAPxaLG8ZM/fhQ+FRFNCbj+a+YzsJHHRdjqatLWtzc6><QB6DM+6xVwf1MnFzvRZGN4nf1IemSIHrik5Fzsxbz1dRAwY9X98tA4Q4048e/YqGvhTj+tr9Ve5zEQ20IIigK/XmRfuQUUF0LQpA3YoLZo86RR5NUduDZYNu7sY5cQJNm8+n0409WaNJzv807o74K1Bk= ubuntu@ip-172-30-6-245
```

^G Help ^O Write Out ^W Where Is ^R Cut ^T Execute ^C Location ^U Undo ^A Set Mark ^] To Bracket ^Q Previous ^B Back ^P Prev Word
^X Exit ^R Read File ^\ Replace ^U Paste ^J Justify ^/ Go To Line ^E Redo ^G Copy ^Q Where Was ^W Next ^F Forward ^N Next Word

i-01530d111b838a55b (Ansible-Assgn-S2)



PublicIPs: 3.85.136.252 PrivateIPs: 172.30.4.223

aws | Services | Search [Alt+S] | N. Virginia | Intellipaat-Swapnil

EC2 RDS IAM

```
Generating public/private rsa key pair.
Enter file in which to save the key (/home/ubuntu/.ssh/id_rsa):
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /home/ubuntu/.ssh/id_rsa
Your public key has been saved in /home/ubuntu/.ssh/id_rsa.pub
The key fingerprint is:
SHA256:fy1CcdLqt5vrTuHDFQOakJNjoXVEoxYBQywZZD1ei1U ubuntu@ip-172-30-6-245
The key's randomart image is:
+---[RSA 3072]----+
| ..+*+.*OE +.. |
| .o ++o= + =. |
| o.*o+o ..o |
| o.. o. .= |
| S.+.+. |
| o.=. |
| = . |
| ... |
| o+o |
+---[SHA256]----+
ubuntu@ip-172-30-6-245:~$ sudo cat /home/ubuntu/.ssh/id_rsa.pub
ssh-rsa AAAAB3NzaC1yc2EAAAQABAAABgQDEjdJQFZ1im1Jx3k2KU1W8i9Ow9HkFL75H5km5wRz99m2v09E2+Bwd8xylKAwcn4U2mus6R/uumJccUAgs1YLc1UpN8NVSp0iqR30LK99RYqe//ZFuKD/9Tvh3PPqtgAMWQzE5JfwarL//XkGjm+qlrSy4Ytp0Y7niccofV2x1U9pAh8igadXJj8dTS1/ia/9a501wt4oEoZyDSoWaQ+Mhax4wRehxizhsjBz4nPppNki7P+KtVMyhI/6kkLw9IBTJv6+zQgBrv6uWjiPhyNVagsp3y7F+PxqrZxR1gDwEo/FVdVG6pSTRyH8cNAHTsNojRKV2L5GaAyYblxvTw35W92JF0sJQ1862IUjqQB6DM+6xVwf1MnfzvK2GN4nfilemSIHrik5Fzsxbz1dRawY9X98tA4Q4048e/YqGvhTj+tr9Ve5zEQ20IIgK/XmRfuQOUF0LQpa3YoLzo86RR5NUduD2YNu7sy5cQJNm8+n0409WaNJzv807o74k1Bk= ubuntu@ip-172-30-6-245
ubuntu@ip-172-30-6-245:~$ 
ubuntu@ip-172-30-6-245:~$ 
ubuntu@ip-172-30-6-245:~$ sudo nano /etc/ansible/hosts
ubuntu@ip-172-30-6-245:~$ s
s: command not found
ubuntu@ip-172-30-6-245:~$ ls
install.sh
ubuntu@ip-172-30-6-245:~$ cd .ssh
ubuntu@ip-172-30-6-245:~/ssh$ ls
authorized_keys id_rsa id_rsa.pub
ubuntu@ip-172-30-6-245:~/ssh$ cd
ubuntu@ip-172-30-6-245:~$ sudo nano /etc/ansible/hosts
ubuntu@ip-172-30-6-245:~$ 
```

i-07a1b76e660642ab7 (Ansible-Assgnment-M)

Public IPs: 100.26.221.56 Private IPs: 172.30.6.245

aws | Services | Search [Alt+S] | N. Virginia | Intellipaat-Swapnil

EC2 RDS IAM

GNU nano 6.2 /etc/ansible/hosts *

```
S1 ansible_host=172.30.6.168
S2 ansible_host=172.30.4.223

# This is the default ansible 'hosts' file.
#
# It should live in /etc/ansible/hosts
#
# - Comments begin with the '#' character
# - Blank lines are ignored
# - Groups of hosts are delimited by [header] elements
# - You can enter hostnames or ip addresses
# - A hostname/ip can be a member of multiple groups

# Ex 1: Ungrouped hosts, specify before any group headers:

## green.example.com
## blue.example.com
## 192.168.100.1
## 192.168.100.10

# Ex 2: A collection of hosts belonging to the 'webservers' group:

## [webservers]
## alpha.example.org
## beta.example.org
## 192.168.1.100
## 192.168.1.110

# If you have multiple hosts following a pattern, you can specify
# them like this:

## www[001:006].example.com

# You can also use ranges for multiple hosts:

## db-[99:101]-node.example.com
```

^G Help ^O Write Out ^W Where Is ^R Cut ^T Execute ^C Location M-U Undo M-A Set Mark M-] To Bracket M-Q Previous ^B Back ^X Exit ^R Read File ^\ Replace ^U Paste ^J Justify ^/ Go To Line M-E Redo M-6 Copy ^C Where Was M-W Next ^F Forward ^\ Prev Word ^\ Next Word

i-07a1b76e660642ab7 (Ansible-Assgnment-M)



Public IPs: 100.26.221.56 Private IPs: 172.30.6.245

aws | Services | Search [Alt+S] | X | ! | ? | ⚙️ | N. Virginia | Intellipaat-Swapnil

EC2 RDS IAM

```
ubuntu@ip-172-30-6-245:~$ s
s: command not found
ubuntu@ip-172-30-6-245:~$ ls
install.sh
ubuntu@ip-172-30-6-245:~$ cd .ssh
ubuntu@ip-172-30-6-245:~/ssh$ ls
authorized_keys id_rsa id_rsa.pub
ubuntu@ip-172-30-6-245:~/ssh$ cd
ubuntu@ip-172-30-6-245:~$ sudo nano /etc/ansible/hosts
ubuntu@ip-172-30-6-245:~$ 
ubuntu@ip-172-30-6-245:~$ ansible -m ping all
The authenticity of host '172.30.4.223 (172.30.4.223)' can't be established.
ED25519 key fingerprint is SHA256:vZSHmkBGB7T0oa7Qe9J9hneZNMoLxB/W1E2LqFJKh9s.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? The authenticity of host '172.30.6.168 (172.30.6.168)' can't be established.
ED25519 key fingerprint is SHA256:dL7Oq3+G0C+IsG4suK5irkxu94eK0nCMbv3PAzV8woc.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
[WARNING]: Platform linux on host S2 is using the discovered Python interpreter at /usr/bin/python3.10, but future installation of another Python interpreter could change the meaning of that path. See https://docs.ansible.com/ansible-core/2.17/reference_appendices/interpreter_discovery.html for more information.
S2 | SUCCESS => {
  "ansible_facts": {
    "discovered_interpreter_python": "/usr/bin/python3.10"
  },
  "changed": false,
  "ping": "pong"
}
yes
[WARNING]: Platform linux on host S1 is using the discovered Python interpreter at /usr/bin/python3.10, but future installation of another Python interpreter could change the meaning of that path. See https://docs.ansible.com/ansible-core/2.17/reference_appendices/interpreter_discovery.html for more information.
S1 | SUCCESS => {
  "ansible_facts": {
    "discovered_interpreter_python": "/usr/bin/python3.10"
  },
  "changed": false,
  "ping": "pong"
}
ubuntu@ip-172-30-6-245:~$ 
```

i-07a1b76e660642ab7 (Ansible-Assgnment-M)

PublicIPs: 100.26.221.56 PrivateIPs: 172.30.6.245

AWS | Services | Search [Alt+S] | N. Virginia | Intellipaat-Swainil

EC2 RDS IAM

```
ubuntu@ip-172-30-6-245:~$ 
ubuntu@ip-172-30-6-245:~$ 
ubuntu@ip-172-30-6-245:~$ sudo nano /etc/ansible/hosts
ubuntu@ip-172-30-6-245:~$ s
s: command not found
ubuntu@ip-172-30-6-245:~$ ls
install.sh
ubuntu@ip-172-30-6-245:~$ cd .ssh
ubuntu@ip-172-30-6-245:~/ssh$ ls
authorized_keys id_rsa id_rsa.pub
ubuntu@ip-172-30-6-245:~/ssh$ cd
ubuntu@ip-172-30-6-245:~$ sudo nano /etc/ansible/hosts
ubuntu@ip-172-30-6-245:~$ 
ubuntu@ip-172-30-6-245:~$ 
ubuntu@ip-172-30-6-245:~$ 
ubuntu@ip-172-30-6-245:~$ ansible -m ping all
The authenticity of host '172.30.4.223 (172.30.4.223)' can't be established.
ED25519 key fingerprint is SHA256:vZSHmkBGB7T0oa7Qe9J9hneZNMoLxB/W1E2LqFJKh9s.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? The authenticity of host '172.30.6.168 (172.30.6.168)' can't be established.
ED25519 key fingerprint is SHA256:dL7oq3+G0C+IsG4suK5irkxu94eK0nCMbv3PAzv8woc.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
[WARNING]: Platform linux on host S2 is using the discovered Python interpreter at /usr/bin/python3.10, but future installation of another Python interpreter could change the meaning of that path. See https://docs.ansible.com/ansible-core/2.17/reference_appendices/interpreter_discovery.html for more information.
S2 | SUCCESS => {
  "ansible_facts": {
    "discovered_interpreter_python": "/usr/bin/python3.10"
  },
  "changed": false,
  "ping": "pong"
}
yes
[WARNING]: Platform linux on host S1 is using the discovered Python interpreter at /usr/bin/python3.10, but future installation of another Python interpreter could change the meaning of that path. See https://docs.ansible.com/ansible-core/2.17/reference_appendices/interpreter_discovery.html for more information.
S1 | SUCCESS => {
  "ansible_facts": {
    "discovered_interpreter_python": "/usr/bin/python3.10"
  },
  "changed": false,
  "ping": "pong"
}
ubuntu@ip-172-30-6-245:~$ 
ubuntu@ip-172-30-6-245:~$ 
ubuntu@ip-172-30-6-245:~$ sudo nano play1.yaml
ubuntu@ip-172-30-6-245:~$ 
```

aws | Services | [Alt+S] | N. Virginia | Intellipaat-Swapnil

EC2 RDS IAM

GNU nano 6.2 play1.yaml *

```
---
- name: task for assignment on S1
  hosts: S1
  become: true
  tasks:
    - name: java installation on S1
      apt: name=openjdk-11-jdk update_cache=yes state=latest
- name : task for assignment1 on S2
  hosts: S2
  become: true
  tasks:
    - name: mysql-server installation on S2
      apt: name=mysql-server update_cache=yes state=latest[]
```

^G Help ^O Write Out ^W Where Is ^T Execute ^C Location ^U Undo ^A Set Mark ^-] To Bracket ^Q Previous ^B Back ^X Exit ^R Read File ^\ Replace ^U Paste ^J Justify ^/ Go To Line ^E Redo ^G Copy ^C Where Was ^W Next ^F Forward ^P Prev Word ^N Next Word

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AWS | Services | Search [Alt+S] | N. Virginia | Intellipaat-Swannil

EC2 RDS IAM

```
j,
  "changed": false,
  "ping": "pong"
}
ubuntu@ip-172-30-6-245:~$ ubuntu@ip-172-30-6-245:~$ ubuntu@ip-172-30-6-245:~$ ubuntu@ip-172-30-6-245:~$ sudo nano play1.yaml
ubuntu@ip-172-30-6-245:~$ ubuntu@ip-172-30-6-245:~$ ansible-playbook play1.yaml --syntax-check

playbook: play1.yaml
ubuntu@ip-172-30-6-245:~$ ubuntu@ip-172-30-6-245:~$ ubuntu@ip-172-30-6-245:~$ ansible-playbook play1.yaml --check

PLAY [task for assignment on S1] ****
**
TASK [Gathering Facts] ****
**
[WARNING]: Platform linux on host S1 is using the discovered Python interpreter at /usr/bin/python3.10, but future installation of another Python interpreter could change the meaning of that path. See https://docs.ansible.com/ansible-core/2.17/reference_appendices/interpreter_discovery.html for more information.
ok: [S1]

TASK [java installation on S1] ****
**
changed: [S1]

PLAY [task for assignment1 on S2] ****
**
TASK [Gathering Facts] ****
**
[WARNING]: Platform linux on host S2 is using the discovered Python interpreter at /usr/bin/python3.10, but future installation of another Python interpreter could change the meaning of that path. See https://docs.ansible.com/ansible-core/2.17/reference_appendices/interpreter_discovery.html for more information.
ok: [S2]

TASK [mysql-server installation on S2] ****
**
changed: [S2]

PLAY RECAP ****
S1 : ok=2    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
S2 : ok=2    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
```

aws | Services | Search [Alt+S] | N. Virginia | Intellipaat-Swannil

https://docs.ansible.com/ansible-core/2.17/reference_appendices/interpreter_discovery.html for more information.

ok: [S2]

```
TASK [mysql-server installation on S2] ****
**
changed: [S2]

PLAY RECAP ****
**
S1 : ok=2    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
S2 : ok=2    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0

ubuntu@ip-172-30-6-245:~$  
ubuntu@ip-172-30-6-245:~$  
ubuntu@ip-172-30-6-245:~$ ansible-playbook play1.yaml

PLAY [task for assignment on S1] ****
**

TASK [Gathering Facts] ****
**
[WARNING]: Platform linux on host S1 is using the discovered Python interpreter at /usr/bin/python3.10, but future installation of another Python interpreter could change the meaning of that path. See https://docs.ansible.com/ansible-core/2.17/reference\_appendices/interpreter\_discovery.html for more information.
ok: [S1]

TASK [java installation on S1] ****
**
changed: [S1]

PLAY [task for assignment1 on S2] ****
**

TASK [Gathering Facts] ****
**
[WARNING]: Platform linux on host S2 is using the discovered Python interpreter at /usr/bin/python3.10, but future installation of another Python interpreter could change the meaning of that path. See https://docs.ansible.com/ansible-core/2.17/reference\_appendices/interpreter\_discovery.html for more information.
ok: [S2]

TASK [mysql-server installation on S2] ****
**
changed: [S2]

PLAY RECAP ****
**
S1 : ok=2    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
S2 : ok=2    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
```

ubuntu@ip-172-30-6-245:~\$

aws | Services | Search [Alt+S] | N. Virginia | Intellipaat-Swapnil

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

New release '24.04.1 LTS' available.
Run 'do-release-upgrade' to upgrade to it.

```
Last login: Thu Oct 31 00:39:24 2024 from 18.206.107.28
ubuntu@ip-172-30-6-168:~$ 
ubuntu@ip-172-30-6-168:~$ 
ubuntu@ip-172-30-6-168:~$ 
ubuntu@ip-172-30-6-168:~$ sudo apt update -y
Hit:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy InRelease
Hit:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates InRelease
Hit:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports InRelease
Hit:4 http://security.ubuntu.com/ubuntu jammy-security InRelease
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
16 packages can be upgraded. Run 'apt list --upgradable' to see them.
ubuntu@ip-172-30-6-168:~$ 
ubuntu@ip-172-30-6-168:~$ 
ubuntu@ip-172-30-6-168:~$ cd.ssh
cd.ssh: command not found
ubuntu@ip-172-30-6-168:~$ cd .ssh
ubuntu@ip-172-30-6-168:~/.ssh$ ls
authorized_keys
ubuntu@ip-172-30-6-168:~/.ssh$ ^C
ubuntu@ip-172-30-6-168:~/.ssh$ ^C
ubuntu@ip-172-30-6-168:~/.ssh$ sudo nano authorized_keys
ubuntu@ip-172-30-6-168:~/.ssh$ 
ubuntu@ip-172-30-6-168:~/.ssh$ 
ubuntu@ip-172-30-6-168:~/.ssh$ 
ubuntu@ip-172-30-6-168:~/.ssh$ cd
ubuntu@ip-172-30-6-168:~$ java --version
openjdk 11.0.24 2024-07-16
OpenJDK Runtime Environment (build 11.0.24+8-post-Ubuntu-1ubuntu322.04)
OpenJDK 64-Bit Server VM (build 11.0.24+8-post-Ubuntu-1ubuntu322.04, mixed mode, sharing)
ubuntu@ip-172-30-6-168:~$ 
```

i-0149e51fa164493f6 (Ansible-Assgnment-S1)

PublicIPs: 54.210.107.215 PrivateIPs: 172.30.6.168

aws | Services | Search [Alt+S] | N. Virginia | Intellipaat-Swapnil

EC2 RDS IAM

```
Get:33 http://security.ubuntu.com/ubuntu jammy-security/main amd64 c-n-f Metadata [13.3 kB]
Get:34 http://security.ubuntu.com/ubuntu jammy-security/restricted amd64 Packages [2519 kB]
Get:35 http://security.ubuntu.com/ubuntu jammy-security/restricted Translation-en [435 kB]
Get:36 http://security.ubuntu.com/ubuntu jammy-security/restricted amd64 c-n-f Metadata [580 B]
Get:37 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 Packages [912 kB]
Get:38 http://security.ubuntu.com/ubuntu jammy-security/universe Translation-en [180 kB]
Get:39 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 c-n-f Metadata [19.5 kB]
Get:40 http://security.ubuntu.com/ubuntu jammy-security/multiverse amd64 Packages [37.2 kB]
Get:41 http://security.ubuntu.com/ubuntu jammy-security/multiverse Translation-en [7588 B]
Get:42 http://security.ubuntu.com/ubuntu jammy-security/multiverse amd64 c-n-f Metadata [224 B]
Fetched 34.2 MB in 15s (2268 kB/s)
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
16 packages can be upgraded. Run 'apt list --upgradable' to see them.
ubuntu@ip-172-30-4-223:~$
```

ubuntu@ip-172-30-4-223:~\$
ubuntu@ip-172-30-4-223:~\$
ubuntu@ip-172-30-4-223:~\$ cd .ssh
ubuntu@ip-172-30-4-223:~/ssh\$ ls
authorized_keys
ubuntu@ip-172-30-4-223:~/ssh\$ sudo nano authorized_keys
ubuntu@ip-172-30-4-223:~/ssh\$
ubuntu@ip-172-30-4-223:~/ssh\$
ubuntu@ip-172-30-4-223:~/ssh\$
ubuntu@ip-172-30-4-223:~/ssh\$ cd
ubuntu@ip-172-30-4-223:~\$ sudo mysql
Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 8
Server version: 8.0.39-Ubuntu0.22.04.1 (Ubuntu)

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Oracle is a registered trademark of Oracle Corporation and/or its
affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> []

i-01530d111b838a55b (Ansible-Assgn-S2)

PublicIPs: 3.85.136.252 PrivateIPs: 172.30.4.223

Ansible Assignment-2

Module-6: Ansible Assignment - 2

You have been asked to:

- Create a script which can add text “This text has been added by custom script” to /tmp.1.txt
 - Run this script using Ansible on all the hosts
-

aws | Services | Search [Alt+S] | N. Virginia | Intellipaat-Swapnil

EC2 RDS IAM

```
ubuntu@ip-172-30-6-245:~$ ubuntu@ip-172-30-6-245:~$ ansible-playbook play1.yaml

PLAY [task for assignment on S1] ****
**
TASK [Gathering Facts] ****
[WARNING]: Platform linux on host S1 is using the discovered Python interpreter at /usr/bin/python3.10, but future installation of another Python interpreter could change the meaning of that path. See https://docs.ansible.com/ansible-core/2.17/reference_appendices/interpreter_discovery.html for more information.
ok: [S1]

TASK [java installation on S1] ****
**
changed: [S1]

PLAY [task for assignment1 on S2] ****
**
TASK [Gathering Facts] ****
[WARNING]: Platform linux on host S2 is using the discovered Python interpreter at /usr/bin/python3.10, but future installation of another Python interpreter could change the meaning of that path. See https://docs.ansible.com/ansible-core/2.17/reference_appendices/interpreter_discovery.html for more information.
ok: [S2]

TASK [mysql-server installation on S2] ****
**
changed: [S2]

PLAY RECAP ****
*
S1 : ok=2    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
S2 : ok=2    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0

ubuntu@ip-172-30-6-245:~$ ubuntu@ip-172-30-6-245:~$ ubuntu@ip-172-30-6-245:~$ ubuntu@ip-172-30-6-245:~$ ubuntu@ip-172-30-6-245:~$ ubuntu@ip-172-30-6-245:~$ mkdir assig2
ubuntu@ip-172-30-6-245:~$ cd assig2
-bash: cd: assig2: No such file or directory
ubuntu@ip-172-30-6-245:~$ cd assig2
ubuntu@ip-172-30-6-245:~/assig2$ ubuntu@ip-172-30-6-245:~/assig2$ sudo nano assign2.sh
```

aws | Services | Search [Alt+S] | N. Virginia | Intellipaat-Swapnil

EC2 RDS IAM

```
echo "random statement" >/tmp/1.txt
```

^G Help ^O Write Out ^W Where Is ^R Cut ^T Execute ^C Location ^U Undo ^A Set Mark ^J Justify ^/ Go To Line ^E Redo ^- To Bracket ^Q Previous ^B Back ^R Read File ^\ Replace ^P Paste ^W Where Was ^W Next ^F Forward ^A Prev Word ^N Next Word ^X Exit

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AWS | Services | Search [Alt+S] | N. Virginia | Intellipaat-Swapnil

EC2 RDS IAM

```
ubuntu@ip-172-30-6-245:~$ ansible-playbook play1.yaml

PLAY [task for assignment on S1] ****
**
```

TASK [Gathering Facts] ****

```
[WARNING]: Platform linux on host S1 is using the discovered Python interpreter at /usr/bin/python3.10, but future installation of another Python interpreter could change the meaning of that path. See https://docs.ansible.com/ansible-core/2.17/reference_appendices/interpreter_discovery.html for more information.
ok: [S1]
```

```
TASK [java installation on S1] ****
**
```

changed: [S1]

```
PLAY [task for assignment1 on S2] ****
**
```

TASK [Gathering Facts] ****

```
[WARNING]: Platform linux on host S2 is using the discovered Python interpreter at /usr/bin/python3.10, but future installation of another Python interpreter could change the meaning of that path. See https://docs.ansible.com/ansible-core/2.17/reference_appendices/interpreter_discovery.html for more information.
ok: [S2]
```

```
TASK [mysql-server installation on S2] ****
**
```

changed: [S2]

```
PLAY RECAP ****
```

| | ok=2 | changed=1 | unreachable=0 | failed=0 | skipped=0 | rescued=0 | ignored=0 |
|----|------|-----------|---------------|----------|-----------|-----------|-----------|
| S1 | ok=2 | changed=1 | unreachable=0 | failed=0 | skipped=0 | rescued=0 | ignored=0 |
| S2 | ok=2 | changed=1 | unreachable=0 | failed=0 | skipped=0 | rescued=0 | ignored=0 |

```
ubuntu@ip-172-30-6-245:~$
```

```
ubuntu@ip-172-30-6-245:~$ mkdir assig2
```

```
ubuntu@ip-172-30-6-245:~$ cd assign2
```

```
-bash: cd: assign2: No such file or directory
```

```
ubuntu@ip-172-30-6-245:~$ cd assig2
```

```
ubuntu@ip-172-30-6-245:~/assig2$
```

```
ubuntu@ip-172-30-6-245:~/assig2$
```

```
ubuntu@ip-172-30-6-245:~/assig2$ sudo nano assign2.sh
```

```
ubuntu@ip-172-30-6-245:~/assig2$ sudo nano assign2.yaml
```

aws | Services | [Alt+S] | N. Virginia | Intellipaat-Swapnil

EC2 RDS IAM

```
- name: task for assignment2 on W1
hosts: S1
become: true
tasks:
  - name: running a script on S1
    script: assign2.sh
```

^G Help ^O Write Out ^W Where Is ^K Cut ^T Execute ^C Location M-U Undo M-A Set Mark M-J To Bracket M-C Previous ^B Back ^A Prev Word
^X Exit ^R Read File ^\ Replace ^U Paste ^J Justify ^/ Go To Line M-E Redo M-6 Copy ^Q Where Was M-W Next ^F Forward ^D Next Word

```
aws | Services | Search [Alt+S] | [ ] | [ ] | [ ] | N. Virginia | Intellipaat-Swapnil |
EC2 RDS IAM
OK: [S2]

TASK [mysql-server installation on S2] ****
**
changed: [S2]

PLAY RECAP ****
**
S1 : ok=2    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
S2 : ok=2    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0

ubuntu@ip-172-30-6-245:~$ 
ubuntu@ip-172-30-6-245:~$ 
ubuntu@ip-172-30-6-245:~$ 
ubuntu@ip-172-30-6-245:~$ 
ubuntu@ip-172-30-6-245:~$ 
ubuntu@ip-172-30-6-245:~$ 
ubuntu@ip-172-30-6-245:~$ mkdir assig2
ubuntu@ip-172-30-6-245:~$ cd assign2
-bash: cd: assign2: No such file or directory
ubuntu@ip-172-30-6-245:~$ cd assig2
ubuntu@ip-172-30-6-245:~/assig2$
ubuntu@ip-172-30-6-245:~/assig2$
ubuntu@ip-172-30-6-245:~/assig2$ sudo nano assign2.sh
ubuntu@ip-172-30-6-245:~/assig2$ sudo nano assign2.yaml
ubuntu@ip-172-30-6-245:~/assig2$ ansible-playbook assign2.yaml --syntax-check

playbook: assign2.yaml
ubuntu@ip-172-30-6-245:~/assig2$ ansible-playbook assign2.yaml --check

PLAY [task for assignment2 on W1] ****
**

TASK [Gathering Facts] ****
**
[WARNING]: Platform linux on host S1 is using the discovered Python interpreter at /usr/bin/python3.10, but future installation of another Python interpreter could change the meaning of that path. See https://docs.ansible.com/ansible-core/2.17/reference_appendices/interpreter_discovery.html for more information.
ok: [S1]

TASK [running a script on S1] ****
**
skipping: [S1]

PLAY RECAP ****
**
S1 : ok=1    changed=0    unreachable=0    failed=0    skipped=1    rescued=0    ignored=0

ubuntu@ip-172-30-6-245:~/assig2$ 
```

aws | Services | Search [Alt+S] | N. Virginia | Intellipaat-Swapnil

EC2 RDS IAM

```
ubuntu@ip-172-30-6-245:~$ cd assig2
ubuntu@ip-172-30-6-245:~/assig2$
ubuntu@ip-172-30-6-245:~/assig2$ sudo nano assign2.sh
ubuntu@ip-172-30-6-245:~/assig2$ sudo nano assign2.yaml
ubuntu@ip-172-30-6-245:~/assig2$ ansible-playbook assign2.yaml --syntax-check

playbook: assign2.yaml
ubuntu@ip-172-30-6-245:~/assig2$ ansible-playbook assign2.yaml --check
PLAY [task for assignment2 on W1] ****
**
TASK [Gathering Facts] ****
**
[WARNING]: Platform linux on host S1 is using the discovered Python interpreter at /usr/bin/python3.10, but future installation of another Python interpreter could change the meaning of that path. See https://docs.ansible.com/ansible-core/2.17/reference_appendices/interpreter_discovery.html for more information.
ok: [S1]

TASK [running a script on S1] ****
**
skipping: [S1]

PLAY RECAP ****
**
S1 : ok=1    changed=0    unreachable=0    failed=0    skipped=1    rescued=0    ignored=0

ubuntu@ip-172-30-6-245:~/assig2$
ubuntu@ip-172-30-6-245:~/assig2$ ansible-playbook assign2.yaml
PLAY [task for assignment2 on W1] ****
**
TASK [Gathering Facts] ****
**
[WARNING]: Platform linux on host S1 is using the discovered Python interpreter at /usr/bin/python3.10, but future installation of another Python interpreter could change the meaning of that path. See https://docs.ansible.com/ansible-core/2.17/reference_appendices/interpreter_discovery.html for more information.
ok: [S1]

TASK [running a script on S1] ****
**
changed: [S1]

PLAY RECAP ****
**
S1 : ok=2    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0

ubuntu@ip-172-30-6-245:~/assig2$
```

aws | Services | Search [Alt+S] | N. Virginia | Intellipaat-Swainil

EC2 RDS IAM

```
ubuntu@ip-172-30-6-168:~$ sudo apt update -y
Hit:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy InRelease
Hit:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates InRelease
Hit:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports InRelease
Hit:4 http://security.ubuntu.com/ubuntu jammy-security InRelease
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
16 packages can be upgraded. Run 'apt list --upgradable' to see them.
ubuntu@ip-172-30-6-168:~$ cd.ssh
cd.ssh: command not found
ubuntu@ip-172-30-6-168:~$ cd .ssh
ubuntu@ip-172-30-6-168:~/ssh$ ls
authorized_keys
ubuntu@ip-172-30-6-168:~/ssh$ ^C
ubuntu@ip-172-30-6-168:~/ssh$ ^C
ubuntu@ip-172-30-6-168:~/ssh$ sudo nano authorized_keys
ubuntu@ip-172-30-6-168:~/ssh$ 
ubuntu@ip-172-30-6-168:~/ssh$ 
ubuntu@ip-172-30-6-168:~/ssh$ cd
ubuntu@ip-172-30-6-168:~$ java --version
openjdk 11.0.24 2024-07-16
OpenJDK Runtime Environment (build 11.0.24+8-post-Ubuntu-1ubuntu322.04)
OpenJDK 64-Bit Server VM (build 11.0.24+8-post-Ubuntu-1ubuntu322.04, mixed mode, sharing)
ubuntu@ip-172-30-6-168:~$ 
ubuntu@ip-172-30-6-168:~$ 
ubuntu@ip-172-30-6-168:~$ 
ubuntu@ip-172-30-6-168:~$ 
ubuntu@ip-172-30-6-168:~$ 
ubuntu@ip-172-30-6-168:~$ sudo su
root@ip-172-30-6-168:/home/ubuntu# cd /tmp
root@ip-172-30-6-168:/tmp# ls
1.txt          hsuperfdata ubuntu  systemd-private-77a4987964804b02b87e784b22d1f802-chrony.service-daTjGK      systemd-private-77a4987964804b02b87e784b22d1f802-systemd-resolved.service-uvtlQw
hsperfdata root  snap-private-tmp  systemd-private-77a4987964804b02b87e784b22d1f802-systemd-logind.service-jamctX
root@ip-172-30-6-168:/tmp# 
```

i-0149e51fa164493f6 (Ansible-Assgnment-S1)

PublicIPs: 54.210.107.215 PrivateIPs: 172.30.6.168

Ansible Assignment-3

Module-6: Ansible Assignment - 3

You have been asked to:

- Create 2 Ansible Roles
- Install apache2 on slave1 using one role and nginx on slave2 using the other role

Above should be implemented using different Ansible Roles

aws | Services [Alt+S] | N. Virginia | Intellipaat-Swapnil

S1 : ok=1 changed=0 unreachable=0 failed=0 skipped=1 rescued=0 ignored=0

```
ubuntu@ip-172-30-6-245:~/assig2$  
ubuntu@ip-172-30-6-245:~/assig2$ ansible-playbook assign2.yaml  
  
PLAY [task for assignment2 on W1] *****  
**  
TASK [Gathering Facts] *****  
**  
[WARNING]: Platform linux on host S1 is using the discovered Python interpreter at /usr/bin/python3.10, but future installation of another Python interpreter could change the meaning of that path. See https://docs.ansible.com/ansible-core/2.17/reference_appendices/interpreter_discovery.html for more information.  
ok: [S1]  
  
TASK [running a script on S1] *****  
**  
changed: [S1]  
  
PLAY RECAP *****  
**  
S1 : ok=2 changed=1 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0  
  
ubuntu@ip-172-30-6-245:~/assig2$  
ubuntu@ip-172-30-6-245:~/assig2$  
ubuntu@ip-172-30-6-245:~/assig2$  
ubuntu@ip-172-30-6-245:~/assig2$  
ubuntu@ip-172-30-6-245:~/assig2$ cd /etc/ansible  
ubuntu@ip-172-30-6-245:/etc/ansible$ ls  
ansible.cfg hosts roles  
ubuntu@ip-172-30-6-245:/etc/ansible$ cd roles  
ubuntu@ip-172-30-6-245:/etc/ansible/roles$  
ubuntu@ip-172-30-6-245:/etc/ansible/roles$  
ubuntu@ip-172-30-6-245:/etc/ansible/roles$ sudo ansible-galaxy init apache  
- Role apache was created successfully  
ubuntu@ip-172-30-6-245:/etc/ansible/roles$  
ubuntu@ip-172-30-6-245:/etc/ansible/roles$  
ubuntu@ip-172-30-6-245:/etc/ansible/roles$ ls  
apache  
ubuntu@ip-172-30-6-245:/etc/ansible/roles$ cd apache  
ubuntu@ip-172-30-6-245:/etc/ansible/roles/apache$ ls  
README.md defaults files handlers meta tasks templates tests vars  
ubuntu@ip-172-30-6-245:/etc/ansible/roles/apache$ cd tasks  
ubuntu@ip-172-30-6-245:/etc/ansible/roles/apache/tasks$ ls  
main.yml  
ubuntu@ip-172-30-6-245:/etc/ansible/roles/apache/tasks$  
ubuntu@ip-172-30-6-245:/etc/ansible/roles/apache/tasks$ sudo nano install.yaml[]
```

aws | Services | Search [Alt+S]

EC2 RDS IAM

GNU nano 6.2 install.yaml

```
---
```

```
- name: installing apache2
  apt: name=apache2 state=latest
```

[Wrote 3 lines]

^G Help ^O Write Out ^W Where Is ^T Execute ^C Location M-U Undo M-A Set Mark M-] To Bracket M-Q Previous ^B Back ^X Exit ^R Read File ^\ Replace ^F Paste ^J Justify ^/ Go To Line M-E Redo M-G Copy ^C Where Was M-W Next ^E Forward ^P Prev Word ^N Next Word

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aws | Services | Search [Alt+S] | N. Virginia | Intellipaat-Swapnil

EC2 RDS IAM

```
TASK [Gathering Facts] ****
[WARNING]: Platform linux on host S1 is using the discovered Python interpreter at /usr/bin/python3.10, but future installation of another Python interpreter could change the meaning of that path. See https://docs.ansible.com/ansible-core/2.17/reference_appendices/interpreter_discovery.html for more information.
ok: [S1]

TASK [running a script on S1] ****
**
changed: [S1]

PLAY RECAP ****
**
S1 : ok=2    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0

ubuntu@ip-172-30-6-245:~/assig2$ 
ubuntu@ip-172-30-6-245:~/assig2$ 
ubuntu@ip-172-30-6-245:~/assig2$ 
ubuntu@ip-172-30-6-245:~/assig2$ 
ubuntu@ip-172-30-6-245:~/assig2$ cd /etc/ansible
ubuntu@ip-172-30-6-245:/etc/ansible$ ls
ansible.cfg hosts roles
ubuntu@ip-172-30-6-245:/etc/ansible$ cd roles
ubuntu@ip-172-30-6-245:/etc/ansible/roles$ 
ubuntu@ip-172-30-6-245:/etc/ansible/roles$ 
ubuntu@ip-172-30-6-245:/etc/ansible/roles$ sudo ansible-galaxy init apache
- Role apache was created successfully
ubuntu@ip-172-30-6-245:/etc/ansible/roles$ 
ubuntu@ip-172-30-6-245:/etc/ansible/roles$ 
ubuntu@ip-172-30-6-245:/etc/ansible/roles$ ls
apache
ubuntu@ip-172-30-6-245:/etc/ansible/roles$ cd apache
ubuntu@ip-172-30-6-245:/etc/ansible/roles/apache$ ls
README.md defaults files handlers meta tasks templates tests vars
ubuntu@ip-172-30-6-245:/etc/ansible/roles/apache$ 
ubuntu@ip-172-30-6-245:/etc/ansible/roles/apache$ cd tasks
ubuntu@ip-172-30-6-245:/etc/ansible/roles/apache/tasks$ ls
main.yml
ubuntu@ip-172-30-6-245:/etc/ansible/roles/apache/tasks$ 
ubuntu@ip-172-30-6-245:/etc/ansible/roles/apache/tasks$ sudo nano install.yaml
ubuntu@ip-172-30-6-245:/etc/ansible/roles/apache/tasks$ 
ubuntu@ip-172-30-6-245:/etc/ansible/roles/apache/tasks$ sudo cat install.sh
cat: install.sh: No such file or directory
ubuntu@ip-172-30-6-245:/etc/ansible/roles/apache/tasks$ sudo cat install.yaml
---
- name: installing apache2
  apt: name=apache2 status=latest
ubuntu@ip-172-30-6-245:/etc/ansible/roles/apache/tasks$ sudo nano main.yml
```

aws | Services [Alt+S] | N. Virginia ▾ Intellipaat-Swapnil ▾

EC2 RDS IAM

GNU nano 6.2 main.yml *

```
--  
# tasks file for apache  
- include_tasks: install.yaml
```

^G Help ^C Write Out ^W Where Is ^T Execute ^C Location M-U Undo M-A Set Mark M-] To Bracket M-Q Previous ^B Back ^X Exit ^R Read File ^\ Replace ^K Cut ^U Paste ^J Justify ^/ Go To Line M-E Redo M-G Copy ^C Where Was M-W Next ^F Forward ^P Prev Word ^N Next Word

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aws | Services | Search [Alt+S] | N. Virginia | Intellipaat-Swapnil

changed: [81]

```
PLAY RECAP ****
**          : ok=2    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
s1

ubuntu@ip-172-30-6-245:~/assig2$ 
ubuntu@ip-172-30-6-245:~/assig2$ 
ubuntu@ip-172-30-6-245:~/assig2$ 
ubuntu@ip-172-30-6-245:~/assig2$ 
ubuntu@ip-172-30-6-245:~/assig2$ cd /etc/ansible
ubuntu@ip-172-30-6-245:/etc/ansible$ ls
ansible.cfg hosts roles
ubuntu@ip-172-30-6-245:/etc/ansible$ cd roles
ubuntu@ip-172-30-6-245:/etc/ansible/roles$ 
ubuntu@ip-172-30-6-245:/etc/ansible/roles$ 
ubuntu@ip-172-30-6-245:/etc/ansible/roles$ sudo ansible-galaxy init apache
- Role apache was created successfully
ubuntu@ip-172-30-6-245:/etc/ansible/roles$ 
ubuntu@ip-172-30-6-245:/etc/ansible/roles$ 
ubuntu@ip-172-30-6-245:/etc/ansible/roles$ ls
apache
ubuntu@ip-172-30-6-245:/etc/ansible/roles$ cd apache
ubuntu@ip-172-30-6-245:/etc/ansible/roles/apache$ ls
README.md defaults files handlers meta tasks templates tests vars
ubuntu@ip-172-30-6-245:/etc/ansible/roles/apache$ 
ubuntu@ip-172-30-6-245:/etc/ansible/roles/apache$ cd tasks
ubuntu@ip-172-30-6-245:/etc/ansible/roles/apache/tasks$ ls
main.yml
ubuntu@ip-172-30-6-245:/etc/ansible/roles/apache/tasks$ 
ubuntu@ip-172-30-6-245:/etc/ansible/roles/apache/tasks$ sudo nano install.yaml
ubuntu@ip-172-30-6-245:/etc/ansible/roles/apache/tasks$ 
ubuntu@ip-172-30-6-245:/etc/ansible/roles/apache/tasks$ sudo cat install.sh
cat: install.sh: No such file or directory
ubuntu@ip-172-30-6-245:/etc/ansible/roles/apache/tasks$ sudo cat install.yaml
---
- name: installing apache2
  apt: name=apache2 status=latest
ubuntu@ip-172-30-6-245:/etc/ansible/roles/apache/tasks$ sudo nano main.yml
ubuntu@ip-172-30-6-245:/etc/ansible/roles/apache/tasks$ 
ubuntu@ip-172-30-6-245:/etc/ansible/roles/apache/tasks$ 
ubuntu@ip-172-30-6-245:/etc/ansible/roles/apache/tasks$ cd ../../..
ubuntu@ip-172-30-6-245:/etc/ansible/roles$ cd
ubuntu@ip-172-30-6-245:~$ 
ubuntu@ip-172-30-6-245:~$ 
ubuntu@ip-172-30-6-245:~$ 
ubuntu@ip-172-30-6-245:~$ 
```

aws | Services | [Alt+S] | N. Virginia | Intellipaat-Swapnil

changed: [S1]

```
PLAY RECAP ****
**                               : ok=2    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
ubuntu@ip-172-30-6-245:~/assig2$ 
ubuntu@ip-172-30-6-245:~/assig2$ 
ubuntu@ip-172-30-6-245:~/assig2$ 
ubuntu@ip-172-30-6-245:~/assig2$ 
ubuntu@ip-172-30-6-245:~/assig2$ cd /etc/ansible
ubuntu@ip-172-30-6-245:/etc/ansible$ ls
ansible.cfg  hosts  roles
ubuntu@ip-172-30-6-245:/etc/ansible$ cd roles
ubuntu@ip-172-30-6-245:/etc/ansible/roles$ 
ubuntu@ip-172-30-6-245:/etc/ansible/roles$ 
ubuntu@ip-172-30-6-245:/etc/ansible/roles$ sudo ansible-galaxy init apache
- Role apache was created successfully
ubuntu@ip-172-30-6-245:/etc/ansible/roles$ 
ubuntu@ip-172-30-6-245:/etc/ansible/roles$ 
ubuntu@ip-172-30-6-245:/etc/ansible/roles$ ls
apache
ubuntu@ip-172-30-6-245:/etc/ansible/roles$ cd apache
ubuntu@ip-172-30-6-245:/etc/ansible/roles/apache$ ls
README.md  defaults  files  handlers  meta  tasks  templates  tests  vars
ubuntu@ip-172-30-6-245:/etc/ansible/roles/apache$ 
ubuntu@ip-172-30-6-245:/etc/ansible/roles/apache$ cd tasks
ubuntu@ip-172-30-6-245:/etc/ansible/roles/apache/tasks$ ls
main.yml
ubuntu@ip-172-30-6-245:/etc/ansible/roles/apache/tasks$ 
ubuntu@ip-172-30-6-245:/etc/ansible/roles/apache/tasks$ sudo nano install.yaml
ubuntu@ip-172-30-6-245:/etc/ansible/roles/apache/tasks$ 
ubuntu@ip-172-30-6-245:/etc/ansible/roles/apache/tasks$ sudo cat install.sh
cat: install.sh: No such file or directory
ubuntu@ip-172-30-6-245:/etc/ansible/roles/apache/tasks$ sudo cat install.yaml
---
- name: installing apache2
  apt: name=apache2 status=latest
ubuntu@ip-172-30-6-245:/etc/ansible/roles/apache/tasks$ sudo nano main.yml
ubuntu@ip-172-30-6-245:/etc/ansible/roles/apache/tasks$ 
ubuntu@ip-172-30-6-245:/etc/ansible/roles/apache/tasks$ 
ubuntu@ip-172-30-6-245:/etc/ansible/roles/apache/tasks$ cd ../../
ubuntu@ip-172-30-6-245:/etc/ansible/roles$ cd
ubuntu@ip-172-30-6-245:~$ 
ubuntu@ip-172-30-6-245:~$ 
ubuntu@ip-172-30-6-245:~$ sudo nano play3.yaml
```

aws | Services | [Alt+S] | N. Virginia | Intellipaat-Swapnil

EC2 RDS IAM

GNU nano 6.2 play3.yaml *

```
---
- name: executing apache role for S1
become: true
hosts: S1
roles:
- apache
```

^G Help ^Q Write Out ^W Where Is ^T Execute ^C Location M-U Undo M-A Set Mark M-] To Bracket M-Q Previous ^B Back ^X Exit ^R Read File ^\ Replace ^K Cut ^U Paste ^J Justify ^/ Go To Line M-E Redo M-G Copy ^C Where Was M-W Next ^F Forward ^P Prev Word ^N Next Word

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aws | Services | Search [Alt+S] | N. Virginia | Intellipaat-Swapnil

EC2 RDS IAM

```
ubuntu@ip-172-30-6-245:/etc/ansible$ cd roles
ubuntu@ip-172-30-6-245:/etc/ansible/roles$ 
ubuntu@ip-172-30-6-245:/etc/ansible/roles$ sudo ansible-galaxy init apache
- Role apache was created successfully
ubuntu@ip-172-30-6-245:/etc/ansible/roles$ 
ubuntu@ip-172-30-6-245:/etc/ansible/roles$ 
ubuntu@ip-172-30-6-245:/etc/ansible/roles$ ls
apache
ubuntu@ip-172-30-6-245:/etc/ansible/roles$ cd apache
ubuntu@ip-172-30-6-245:/etc/ansible/roles/apache$ ls
README.md defaults files handlers meta tasks templates tests vars
ubuntu@ip-172-30-6-245:/etc/ansible/roles/apache$ 
ubuntu@ip-172-30-6-245:/etc/ansible/roles/apache$ cd tasks
ubuntu@ip-172-30-6-245:/etc/ansible/roles/apache/tasks$ ls
main.yml
ubuntu@ip-172-30-6-245:/etc/ansible/roles/apache/tasks$ 
ubuntu@ip-172-30-6-245:/etc/ansible/roles/apache/tasks$ sudo nano install.yaml
ubuntu@ip-172-30-6-245:/etc/ansible/roles/apache/tasks$ 
ubuntu@ip-172-30-6-245:/etc/ansible/roles/apache/tasks$ sudo cat install.sh
cat: install.sh: No such file or directory
ubuntu@ip-172-30-6-245:/etc/ansible/roles/apache/tasks$ sudo cat install.yaml
---
- name: installing apache2
  apt: name=apache2 status=latest
ubuntu@ip-172-30-6-245:/etc/ansible/roles/apache/tasks$ sudo nano main.yml
ubuntu@ip-172-30-6-245:/etc/ansible/roles/apache/tasks$ 
ubuntu@ip-172-30-6-245:/etc/ansible/roles/apache/tasks$ 
ubuntu@ip-172-30-6-245:/etc/ansible/roles/apache/tasks$ cd ../../
ubuntu@ip-172-30-6-245:/etc/ansible/roles$ cd
ubuntu@ip-172-30-6-245:~$ 
ubuntu@ip-172-30-6-245:~$ 
ubuntu@ip-172-30-6-245:~$ sudo nano play3.yaml
ubuntu@ip-172-30-6-245:~$ 
ubuntu@ip-172-30-6-245:~$ 
ubuntu@ip-172-30-6-245:~$ 
ubuntu@ip-172-30-6-245:~$ cd /etc/ansible/roles
ubuntu@ip-172-30-6-245:/etc/ansible/roles$ ls
apache
ubuntu@ip-172-30-6-245:/etc/ansible/roles$ sudo ansible-galaxy init nginx
- Role nginx was created successfully
ubuntu@ip-172-30-6-245:/etc/ansible/roles$ ls
apache nginx
ubuntu@ip-172-30-6-245:/etc/ansible/roles$ cd nginx
ubuntu@ip-172-30-6-245:/etc/ansible/roles/nginx$ cd tasks
ubuntu@ip-172-30-6-245:/etc/ansible/roles/nginx/tasks$ ls
main.yml
ubuntu@ip-172-30-6-245:/etc/ansible/roles/nginx/tasks$ sudo nano install.yaml[]
```

aws | Services | [Alt+S] | N. Virginia | Intellipaat-Swapnil

EC2 RDS IAM

GNU nano 6.2 install.yaml *

```
--  
- name: installing nginx  
  apt: name=nginx state=latest[]
```

^G Help ^C Write Out ^W Where Is ^T Execute ^C Location M-U Undo M-A Set Mark M-] To Bracket M-Q Previous ^B Back ^X Exit ^R Read File ^\ Replace ^K Cut ^U Paste ^J Justify ^/ Go To Line M-E Redo M-G Copy ^Q Where Was M-W Next ^F Forward ^A Prev Word ^S Next Word

AWS | Services | Search [Alt+S] | N. Virginia | Intellipaat-Swapnil

EC2 RDS IAM

```
ubuntu@ip-172-30-6-245:/etc/ansible/roles$ sudo ansible-galaxy init apache
- Role apache was created successfully
ubuntu@ip-172-30-6-245:/etc/ansible/roles$ ls
ubuntu@ip-172-30-6-245:/etc/ansible/roles$ apache
ubuntu@ip-172-30-6-245:/etc/ansible/roles$ cd apache
ubuntu@ip-172-30-6-245:/etc/ansible/roles/apache$ ls
README.md defaults files handlers meta tasks templates tests vars
ubuntu@ip-172-30-6-245:/etc/ansible/roles/apache$ cd tasks
ubuntu@ip-172-30-6-245:/etc/ansible/roles/apache/tasks$ ls
main.yml
ubuntu@ip-172-30-6-245:/etc/ansible/roles/apache/tasks$ sudo nano install.yaml
ubuntu@ip-172-30-6-245:/etc/ansible/roles/apache/tasks$ sudo cat install.sh
cat: install.sh: No such file or directory
ubuntu@ip-172-30-6-245:/etc/ansible/roles/apache/tasks$ sudo cat install.yaml
---
- name: installing apache2
  apt: name=apache2 status=latest
ubuntu@ip-172-30-6-245:/etc/ansible/roles/apache/tasks$ sudo nano main.yml
ubuntu@ip-172-30-6-245:/etc/ansible/roles/apache/tasks$ cd ../../..
ubuntu@ip-172-30-6-245:/etc/ansible/roles$ cd
ubuntu@ip-172-30-6-245:~$ 
ubuntu@ip-172-30-6-245:~$ 
ubuntu@ip-172-30-6-245:~$ sudo nano play3.yaml
ubuntu@ip-172-30-6-245:~$ 
ubuntu@ip-172-30-6-245:~$ 
ubuntu@ip-172-30-6-245:~$ cd /etc/ansible/roles
ubuntu@ip-172-30-6-245:/etc/ansible/roles$ ls
apache
ubuntu@ip-172-30-6-245:/etc/ansible/roles$ sudo ansible-galaxy init nginx
- Role nginx was created successfully
ubuntu@ip-172-30-6-245:/etc/ansible/roles$ ls
apache nginx
ubuntu@ip-172-30-6-245:/etc/ansible/roles$ cd nginx
ubuntu@ip-172-30-6-245:/etc/ansible/roles/nginx$ cd tasks
ubuntu@ip-172-30-6-245:/etc/ansible/roles/nginx/tasks$ ls
main.yml
ubuntu@ip-172-30-6-245:/etc/ansible/roles/nginx/tasks$ sudo nano install.yaml
ubuntu@ip-172-30-6-245:/etc/ansible/roles/nginx/tasks$ sudo nano main.yaml
```

aws | Services | [Alt+S] | N. Virginia | Intellipaat-Swapnil

EC2 RDS IAM

GNU nano 6.2 main.yml *

```
---  
# tasks file for nginx  
- include_tasks: install.yaml
```

^G Help ^C Write Out ^W Where Is ^T Execute ^C Location ^U Undo ^A Set Mark ^] To Bracket ^Q Previous ^B Back ^X Exit ^R Read File ^\ Replace ^K Cut ^U Paste ^J Justify ^/ Go To Line ^E Redo ^G Copy ^Q Where Was ^W Next ^F Forward ^` Prev Word ^` Next Word

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```
ubuntu@ip-172-30-6-245:~$ sudo nano play3.yaml
ubuntu@ip-172-30-6-245:~$ ansible-playbook play3.yaml

PLAY [executing apache role for S1] ****
**
TASK [Gathering Facts] ****
[WARNING]: Platform linux on host S1 is using the discovered Python interpreter at /usr/bin/python3.10, but future installation of another Python interpreter could change the meaning of that path. See https://docs.ansible.com/ansible-core/2.17/reference_appendices/interpreter_discovery.html for more information.
ok: [S1]

TASK [apache : include_tasks] ****
**
included: /etc/ansible/roles/apache/tasks/install.yaml for S1

TASK [apache : installing apache2] ****
**
fatal: [S1]: FAILED! => {"changed": false, "msg": "Unsupported parameters for (apt) module: status. Supported parameters include: allow_change_hold_packages, allow_downgrade, allow_unauthenticated, autoclean, autoremove, cache_valid_time, clean, deb, default_release, dpkg_options, fail_on_autoremove, force, force_apt_get, install_recommends, lock_timeout, only_upgrade, package, policy_rc_d, purge, state, update_cache, update_cache_retries, update_cache_retry_max_delay, upgrade (allow-downgrade, allow-downgrades, allow-unauthenticated, allow_downgrades, default-release, install-recommends, name, pkg, update-cache)."}}

PLAY RECAP ****
S1 : ok=2    changed=0    unreachable=0    failed=1    skipped=0    rescued=0    ignored=0

ubuntu@ip-172-30-6-245:~$ cd /etc/ansible/roles
ubuntu@ip-172-30-6-245:~/etc/ansible/roles$ ls
apache nginx
ubuntu@ip-172-30-6-245:~/etc/ansible/roles$ cd apache
ubuntu@ip-172-30-6-245:~/etc/ansible/roles/apache$ ls
README.md defaults files handlers meta tasks templates tests vars
ubuntu@ip-172-30-6-245:~/etc/ansible/roles/apache$ cd tasks
ubuntu@ip-172-30-6-245:~/etc/ansible/roles/apache/tasks$ ls
install.yaml main.yaml
ubuntu@ip-172-30-6-245:~/etc/ansible/roles/apache/tasks$ sudo nano install.yaml
ubuntu@ip-172-30-6-245:~/etc/ansible/roles/apache/tasks$ sudo nano install.yaml
ubuntu@ip-172-30-6-245:~/etc/ansible/roles/apache/tasks$ cd
ubuntu@ip-172-30-6-245:~$
```

aws | Services | Search [Alt+S] | N. Virginia | Intellipaat-Swannil

EC2 RDS IAM

```
ubuntu@ip-172-30-6-245:/etc/ansible/roles/apache/tasks$ sudo nano install.yaml
ubuntu@ip-172-30-6-245:/etc/ansible/roles/apache/tasks$ sudo nano install.yaml
ubuntu@ip-172-30-6-245:/etc/ansible/roles/apache/tasks$ cd
ubuntu@ip-172-30-6-245:~$ 
ubuntu@ip-172-30-6-245:~$ 
ubuntu@ip-172-30-6-245:~$ ansible-playbook play3.yaml

PLAY [executing apache role for S1] ****
**
TASK [Gathering Facts] ****
**
[WARNING]: Platform linux on host S1 is using the discovered Python interpreter at /usr/bin/python3.10, but future installation of another Python interpreter could change the meaning of that path. See https://docs.ansible.com/ansible-core/2.17/reference_appendices/interpreter_discovery.html for more information.
ok: [S1]

TASK [apache : include_tasks] ****
**
included: /etc/ansible/roles/apache/tasks/install.yaml for S1

TASK [apache : installing apache2] ****
**
changed: [S1]

PLAY [executing nginx role for S2] ****
**
TASK [Gathering Facts] ****
**
[WARNING]: Platform linux on host S2 is using the discovered Python interpreter at /usr/bin/python3.10, but future installation of another Python interpreter could change the meaning of that path. See https://docs.ansible.com/ansible-core/2.17/reference_appendices/interpreter_discovery.html for more information.
ok: [S2]

TASK [nginx : include_tasks] ****
**
included: /etc/ansible/roles/nginx/tasks/install.yaml for S2

TASK [nginx : installing nginx] ****
**
changed: [S2]

PLAY RECAP ****
**
S1          : ok=3    changed=1    unreachable=0    failed=0     skipped=0    rescued=0    ignored=0
S2          : ok=3    changed=1    unreachable=0    failed=0     skipped=0    rescued=0    ignored=0

ubuntu@ip-172-30-6-245:~$ 
```

AWS Services Search [Alt+S] N. Virginia Intellipaat-Swapnil

EC2 RDS IAM

Dashboard EC2 Global View Events Instances Instances Instance Types Launch Templates Spot Requests Savings Plans Reserved Instances Dedicated Hosts Capacity Reservations New

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Network & Security Security Groups Elastic IPs Placement Groups Key Pairs IMDSv2

Instances (1/3) Info Find Instance by attribute or tag (case-sensitive) All states ▾ Instance state = running X Clear filters Last updated 2 minutes ago Connect Instance state Actions Launch instances

| Name | Instance ID | Instance state | Instance type | Status check | Alarm status | Availability Zone | Public IPv4 DNS |
|----------------------|---------------------|----------------|---------------|-------------------|---------------|-------------------|--------------------------|
| Ansible-Assgnment-M | i-07a1b76e660642ab7 | Running | t2.micro | 2/2 checks passed | View alarms + | us-east-1e | ec2-100-26-221-56.co... |
| Ansible-Assgnment-S1 | i-0149e51fa164493f6 | Running | t2.micro | 2/2 checks passed | View alarms + | us-east-1e | ec2-54-210-107-215.co... |
| Ansible-Assgnment-S2 | i-01530d111b838a55b | Running | t2.micro | 2/2 checks passed | View alarms + | us-east-1e | ec2-3-85-136-252.com... |

i-0149e51fa164493f6 (Ansible-Assgnment-S1)

Details Status and alarms Monitoring Security Networking Storage Tags

Instance summary Info

| | | |
|---------------------------------------|-------------------------------------|---|
| Instance ID | Public IPv4 address | Private IPv4 addresses |
| i-0149e51fa164493f6 | 54.210.107.215 open address | 172.30.6.168 |
| IPv6 address | Instance state | Public IPv4 DNS |
| - | Running | ec2-54-210-107-215.compute-1.amazonaws.com open address |
| Hostname type | Private IP DNS name (IPv4 only) | Elastic IP addresses |
| IP name: ip-172-30-6-168.ec2.internal | ip-172-30-6-168.ec2.internal | - |
| Answer private resource DNS name | Instance type | AWS Compute Optimizer finding |
| - | t2.micro | Opt-in to AWS Compute Optimizer for recommendations. Learn more |
| Auto-assigned IP address | VPC ID | Auto Scaling Group name |
| 54.210.107.215 [Public IP] | vpc-020050eeb89f650ee (Default VPC) | - |
| IAM Role | Subnet ID | |
| - | subnet-0d87de82790601d1e | |
| IMDSv2 | Instance ARN | |

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Apache2 Default Page



Ubuntu

It works!

This is the default welcome page used to test the correct operation of the Apache2 server after installation on Ubuntu systems. It is based on the equivalent page on Debian, from which the Ubuntu Apache packaging is derived. If you can read this page, it means that the Apache HTTP server installed at this site is working properly. You should **replace this file** (located at `/var/www/html/index.html`) before continuing to operate your HTTP server.

If you are a normal user of this web site and don't know what this page is about, this probably means that the site is currently unavailable due to maintenance. If the problem persists, please contact the site's administrator.

Configuration Overview

Ubuntu's Apache2 default configuration is different from the upstream default configuration, and split into several files optimized for interaction with Ubuntu tools. The configuration system is **fully documented in `/usr/share/doc/apache2/README.Debian.gz`**. Refer to this for the full documentation. Documentation for the web server itself can be found by accessing the **manual** if the `apache2-doc` package was installed on this server.

The configuration layout for an Apache2 web server installation on Ubuntu systems is as follows:

```
/etc/apache2/
|-- apache2.conf
|   '-- ports.conf
|-- mods-enabled
|   '-- *.Load
|   '-- *.conf
|-- conf-enabled
|   '-- *.conf
|-- sites-enabled
|   '-- *.conf
```

- `apache2.conf` is the main configuration file. It puts the pieces together by including all remaining configuration files when starting up the web server.
- `ports.conf` is always included from the main configuration file. It is used to determine the listening ports for incoming connections, and this file can be customized anytime.
- Configuration files in the `mods-enabled/`, `conf-enabled/` and `sites-enabled/` directories contain particular configuration snippets which manage modules, global configuration fragments, or virtual host configurations, respectively.
- They are activated by symlinking available configuration files from their respective `*-available/` counterparts. These should be managed by using our helpers `a2enmod a2dismod a2ensite a2dissite`.

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EC2 RDS IAM

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Instances (1/4) Info Find Instance by attribute or tag (case-sensitive) All states Last updated about 2 hours ago Connect Instance state Actions Launch instances

| Name | Instance ID | Instance state | Instance type | Status check | Alarm status | Availability Zone | Public IPv4 DNS |
|--|---------------------|----------------|---------------|-------------------|-------------------------------|-------------------|--------------------------|
| | i-0646bc1d589c67829 | Terminated | t2.micro | - | View alarms + | us-east-1e | - |
| Ansible-Assgnment-M | i-07a1b76e660642ab7 | Running | t2.micro | 2/2 checks passed | View alarms + | us-east-1e | ec2-100-26-221-56.co... |
| Ansible-Assgnment-S1 | i-0149e51fa164493f6 | Running | t2.micro | 2/2 checks passed | View alarms + | us-east-1e | ec2-54-210-107-215.co... |
| <input checked="" type="checkbox"/> Ansible-Assgnment-S2 | i-01530d111b838a55b | Running | t2.micro | 2/2 checks passed | View alarms + | us-east-1e | ec2-3-85-136-252.com... |

i-01530d111b838a55b (Ansible-Assgnment-S2)

Details Status and alarms Monitoring Security Networking Storage Tags

Instance summary Info Public IPv4 address copied

| | | |
|--|--|--|
| Instance ID i-01530d111b838a55b | Private IP v4 address 3.85.136.252 open address | Private IPv4 addresses 172.30.4.223 |
| IPv6 address - | Instance state Running | Public IPv4 DNS ec2-3-85-136-252.compute-1.amazonaws.com open address |
| Hostname type IP name: ip-172-30-4-223.ec2.internal | Private IP DNS name (IPv4 only) ip-172-30-4-223.ec2.internal | Elastic IP addresses - |
| Answer private resource DNS name - | Instance type t2.micro | AWS Compute Optimizer finding Opt-in to AWS Compute Optimizer for recommendations. Learn more |
| Auto-assigned IP address 3.85.136.252 [Public IP] | VPC ID vpc-020050eeb89f650ee (Default VPC) | Auto Scaling Group name - |
| IAM Role - | Subnet ID subnet-0d87de82790601d1e | |
| IMDSv2 | Instance ARN | |

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Welcome to nginx!

If you see this page, the nginx web server is successfully installed and working. Further configuration is required.

For online documentation and support please refer to nginx.org.
Commercial support is available at nginx.com.

Thank you for using nginx.

Ansible Assignment-4

Module-6: Ansible Assignment - 4

You have been asked to:

- Use the previous deployment of ansible cluster
- Configure the files folder in the role with index.html which should be replaced with the original index.html

All of the above should only happen on the slave which has nginx installed using the role

```
aws | Services | Search [Alt+S] | N. Virginia | Intellipaat-Swannil |
EC2 RDS IAM

PLAY [executing apache role for S1] ****
**
TASK [Gathering Facts] ****
**
[WARNING]: Platform linux on host S1 is using the discovered Python interpreter at /usr/bin/python3.10, but future installation of another Python interpreter could change the meaning of that path. See https://docs.ansible.com/ansible-core/2.17/reference_appendices/interpreter_discovery.html for more information.
ok: [S1]

TASK [apache : include_tasks] ****
**
included: /etc/ansible/roles/apache/tasks/install.yaml for S1

TASK [apache : installing apache2] ****
**
changed: [S1]

PLAY [executing nginx role for S2] ****
**
TASK [Gathering Facts] ****
**
[WARNING]: Platform linux on host S2 is using the discovered Python interpreter at /usr/bin/python3.10, but future installation of another Python interpreter could change the meaning of that path. See https://docs.ansible.com/ansible-core/2.17/reference_appendices/interpreter_discovery.html for more information.
ok: [S2]

TASK [nginx : include_tasks] ****
**
included: /etc/ansible/roles/nginx/tasks/install.yaml for S2

TASK [nginx : installing nginx] ****
**
changed: [S2]

PLAY RECAP ****
**
S1 : ok=3    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
S2 : ok=3    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0

ubuntu@ip-172-30-6-245:~$ cd /etc/ansible/roles/nginx/tasks
ubuntu@ip-172-30-6-245:/etc/ansible/roles/nginx/tasks$ ls
install.yaml main.yaml
ubuntu@ip-172-30-6-245:/etc/ansible/roles/nginx/tasks$ sudo nano copy.yaml
```

aws | Services | Search [Alt+S] | N. Virginia | Intellipaat-Swapnil

EC2 RDS IAM

GNU nano 6.2 copy.yaml *

```
---
- name: replace default nginx page with custom index html file
  copy: src=/etc/ansible/roles/nginx/files/index.html dest=/var/www/html[]
```

^G Help ^O Write Out ^W Where Is ^T Execute ^C Location M-U Undo M-A Set Mark M-] To Bracket M-Q Previous ^B Back ^X Exit ^R Read File ^\ Replace ^R Paste ^J Justify ^/ Go To Line M-E Redo M-G Copy ^C Where Was M-W Next ^F Forward ^K Prev Word ^L Next Word

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EC2 RDS IAM

included: /etc/ansible/roles/apache/tasks/install.yaml for S1

```
TASK [apache : installing apache2] ****
** changed: [S1]

PLAY [executing nginx role for S2] ****
**

TASK [Gathering Facts] ****
** [WARNING]: Platform linux on host S2 is using the discovered Python interpreter at /usr/bin/python3.10, but future installation of another Python interpreter could change the meaning of that path. See https://docs.ansible.com/ansible-core/2.17/reference_appendices/interpreter_discovery.html for more information.
ok: [S2]

TASK [nginx : include_tasks] ****
** included: /etc/ansible/roles/nginx/tasks/install.yaml for S2

TASK [nginx : installing nginx] ****
** changed: [S2]

PLAY RECAP ****
**
S1 : ok=3    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
S2 : ok=3    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
```

ubuntu@ip-172-30-6-245:~\$
ubuntu@ip-172-30-6-245:~\$
ubuntu@ip-172-30-6-245:~\$
ubuntu@ip-172-30-6-245:~\$
ubuntu@ip-172-30-6-245:~\$ cd /etc/ansible/roles/nginx/tasks
ubuntu@ip-172-30-6-245:/etc/ansible/roles/nginx/tasks\$ ls
install.yaml main.yaml
ubuntu@ip-172-30-6-245:/etc/ansible/roles/nginx/tasks\$ sudo nano copy.yaml
ubuntu@ip-172-30-6-245:/etc/ansible/roles/nginx/tasks\$
ubuntu@ip-172-30-6-245:/etc/ansible/roles/nginx/tasks\$ cat copy.yaml

- name: replace default nginx page with custom index html file
 copy: src=/etc/ansible/roles/nginx/files/index.html dest=/var/www/html
ubuntu@ip-172-30-6-245:/etc/ansible/roles/nginx/tasks\$
ubuntu@ip-172-30-6-245:/etc/ansible/roles/nginx/tasks\$ cd ..
ubuntu@ip-172-30-6-245:/etc/ansible/roles/nginx\$ ls
README.md defaults files handlers meta tasks templates tests vars
ubuntu@ip-172-30-6-245:/etc/ansible/roles/nginx\$ cd files
ubuntu@ip-172-30-6-245:/etc/ansible/roles/nginx/files\$ ls
ubuntu@ip-172-30-6-245:/etc/ansible/roles/nginx/files\$ sudo nano index.html

aws | Services | [Alt+S] | N. Virginia | Intellipaat-Swapnil

EC2 RDS IAM

GNU nano 6.2 main.yml *

```
---
# tasks file for nginx
- include_tasks: install.yaml
- include_tasks: copy.yaml
```

^G Help ^C Write Out ^W Where Is ^T Execute ^C Location ^U Undo ^A Set Mark ^] To Bracket ^Q Previous ^B Back ^X Exit ^R Read File ^\ Replace ^K Cut ^U Paste ^J Justify ^/ Go To Line ^E Redo ^G Copy ^Q Where Was ^W Next ^F Forward ^P Prev Word ^N Next Word

aws | Services | Search [Alt+S] | N. Virginia | Intellipaat-Swapnil

EC2 RDS IAM

```
ubuntu@ip-172-30-6-245:~$ ansible-playbook play3.yaml

PLAY [executing apache role for S1] ****
**
TASK [Gathering Facts] ****
**
[WARNING]: Platform linux on host S1 is using the discovered Python interpreter at /usr/bin/python3.10, but future installation of another Python interpreter could change the meaning of that path. See https://docs.ansible.com/ansible-core/2.17/reference_appendices/interpreter_discovery.html for more information.
ok: [S1]

TASK [apache : include_tasks] ****
**
included: /etc/ansible/roles/apache/tasks/install.yaml for S1

TASK [apache : installing apache2] ****
**
ok: [S1]

PLAY [executing nginx role for S2] ****
**
TASK [Gathering Facts] ****
**
[WARNING]: Platform linux on host S2 is using the discovered Python interpreter at /usr/bin/python3.10, but future installation of another Python interpreter could change the meaning of that path. See https://docs.ansible.com/ansible-core/2.17/reference_appendices/interpreter_discovery.html for more information.
ok: [S2]

TASK [nginx : include_tasks] ****
**
included: /etc/ansible/roles/nginx/tasks/install.yaml for S2

TASK [nginx : installing nginx] ****
**
ok: [S2]

TASK [nginx : include_tasks] ****
**
included: /etc/ansible/roles/nginx/tasks/copy.yaml for S2

TASK [nginx : replace default nginx page with custom index html file] ****
**
changed: [S2]

PLAY RECAP ****
**
S1 : ok=3    changed=0    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
S2 : ok=5    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
```

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EC2 RDS IAM

TASK [Gathering facts]

**

[WARNING]: Platform linux on host S1 is using the discovered Python interpreter at /usr/bin/python3.10, but future installation of another Python interpreter could change the meaning of that path. See https://docs.ansible.com/ansible-core/2.17/reference_appendices/interpreter_discovery.html for more information.

ok: [S1]

TASK [apache : include_tasks] ****

** included: /etc/ansible/roles/apache/tasks/install.yaml for S1

TASK [apache : installing apache2] ****

**

ok: [S1]

PLAY [executing nginx role for S2] ****

**

TASK [Gathering Facts] ****

**

[WARNING]: Platform linux on host S2 is using the discovered Python interpreter at /usr/bin/python3.10, but future installation of another Python interpreter could change the meaning of that path. See https://docs.ansible.com/ansible-core/2.17/reference_appendices/interpreter_discovery.html for more information.

ok: [S2]

TASK [nginx : include_tasks] ****

** included: /etc/ansible/roles/nginx/tasks/install.yaml for S2

TASK [nginx : installing nginx] ****

**

ok: [S2]

TASK [nginx : include_tasks] ****

** included: /etc/ansible/roles/nginx/tasks/copy.yaml for S2

TASK [nginx : replace default nginx page with custom index html file] ****

**

changed: [S2]

PLAY RECAP ****

**

| | | | | | | | |
|----|--------|-----------|---------------|----------|-----------|-----------|-----------|
| S1 | : ok=3 | changed=0 | unreachable=0 | failed=0 | skipped=0 | rescued=0 | ignored=0 |
| S2 | : ok=5 | changed=1 | unreachable=0 | failed=0 | skipped=0 | rescued=0 | ignored=0 |

ubuntu@ip-172-30-6-245:~\$
ubuntu@ip-172-30-6-245:~\$
ubuntu@ip-172-30-6-245:~\$
ubuntu@ip-172-30-6-245:~\$

hello this is customise page for ansible assignment4

Ansible Assignment-5

Module-6: Ansible Assignment - 5

You have been asked to:

- Create a new deployment of ansible cluster of 5 nodes
- Label 2 nodes as test and other 2 as prod
- Install java on test nodes
- Install mysql-server on prod nodes

Use Ansible roles for the above, group the hosts under test and prod

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EC2 RDS IAM

EC2 > ... > Launch an instance

Launch an instance Info

Amazon EC2 allows you to create virtual machines, or instances, that run on the AWS Cloud. Quickly get started by following the simple steps below.

Name and tags Info

Name: Ansible-Assgnment Add additional tags

Application and OS Images (Amazon Machine Image) Info

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below.

Search our full catalog including 1000s of application and OS images

Recents Quick Start

Amazon Linux macOS Ubuntu Windows Red Hat SUSE Li

Browse more AMIs Including AMIs from AWS, Marketplace and the Community

Summary

Number of instances: 2 Info

When launching more than 1 instance, consider [EC2 Auto Scaling](#)

Software Image (AMI)
Canonical, Ubuntu, 22.04 LTS, ...read more
ami-005fc0f236362e99f

Virtual server type (instance type)
t2.micro

Firewall (security group)
New security group

Storage (volumes)
1 volume(s) - 8 GiB

Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month, 750 hours of public IPv4 address usage per month, 30 GiB of EBS storage, 2 million IOs, 1

Cancel Launch instance Preview code

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EC2 RDS IAM

Amazon Machine Image (AMI)

Ubuntu Server 22.04 LTS (HVM), SSD Volume Type
ami-005fc0f236362e99f (64-bit (x86)) / ami-07ee04759daf109de (64-bit (Arm))
Virtualization: hvm ENA enabled: true Root device type: ebs

Description

Ubuntu Server 22.04 LTS (HVM),EBS General Purpose (SSD) Volume Type. Support available from Canonical (<http://www.ubuntu.com/cloud/services>).

Canonical, Ubuntu, 22.04 LTS, amd64 jammy image build on 2024-09-27

Architecture AMI ID Username Verified provider

64-bit (x86) ami-005fc0f236362e99f ubuntu Verified provider

▼ Instance type Info | Get advice

Instance type

t2.micro Free tier eligible

Family: t2 1 vCPU 1 GiB Memory Current generation: true
On-Demand Windows base pricing: 0.0162 USD per Hour
On-Demand Ubuntu Pro base pricing: 0.0134 USD per Hour
On-Demand SUSE base pricing: 0.0116 USD per Hour
On-Demand RHEL base pricing: 0.026 USD per Hour
On-Demand Linux base pricing: 0.0116 USD per Hour

All generations Compare instance types

Additional costs apply for AMIs with pre-installed software

▼ Key pair (login) Info

You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair.

Summary

Number of instances | Info
2

When launching more than 1 instance, consider EC2 Auto Scaling

Software Image (AMI)
Canonical, Ubuntu, 22.04 LTS, ...read more
ami-005fc0f236362e99f

Virtual server type (instance type)
t2.micro

Firewall (security group)
New security group

Storage (volumes)
1 volume(s) - 8 GiB

Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month, 750 hours of public IPv4 address usage per month, 30 GiB of EBS storage, 2 million IOs, 1

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EC2 RDS IAM

Key pair (login) Info

You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance.

Key pair name - required Swapnil Create new key pair

Network settings Info

VPC - required Info

vpc-020050eeb89f650ee (Default VPC)
172.30.0.0/16

Subnet Info

subnet-0d87de82790601d1e
VPC: vpc-020050eeb89f650ee Owner: 866650389532 Availability Zone: us-east-1e
Zone type: Availability Zone IP addresses available: 4086 CIDR: 172.30.0.0/20

Create new subnet

Auto-assign public IP Info

Enable Additional charges apply when outside of free tier allowance

Firewall (security groups) Info

A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.

Create security group Select existing security group

Security group name - required launch-wizard-28

This security group will be added to all network interfaces. The name can't be edited after the security group is created. Max length is 255 characters. Valid characters: a-z, A-Z, 0-9, spaces, and _-/.@#=;&:;`\$^*

Summary

Number of instances Info

2 When launching more than 1 instance, consider EC2 Auto Scaling

Virtual server type (instance type)

t2.micro

Firewall (security group)

New security group

Storage (volumes)

1 volume(s) - 8 GiB

Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month, 750 hours of public IPv4 address usage per month, 30 GiB of EBS storage, 2 million IOs, 1 GB of snapshots, and 100 GB of bandwidth to the internet.

Cancel Launch instance Preview code

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EC2 RDS IAM

Description - required Info
launch-wizard-28 created 2024-10-31T03:43:17.556Z

Inbound Security Group Rules

Security group rule 1 (TCP, 22, 0.0.0.0/0) Remove

Type Info Protocol Info Port range Info
ssh TCP 22

Source type Info Source Info Description - optional Info
Anywhere Add CIDR, prefix list or security e.g. SSH for admin desktop
0.0.0.0/0 X

⚠️ Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only. X

Add security group rule Advanced network configuration

Configure storage Info Advanced
1x 8 GiB gp2 Root volume (Encrypted)

Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage X

Summary

Number of instances Info
2 When launching more than 1 instance, consider EC2 Auto Scaling

Virtual server type (instance type)
t2.micro

Firewall (security group)
New security group

Storage (volumes)
1 volume(s) - 8 GiB

ⓘ Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month, 750 hours of public IPv4 address usage per month, 30 GiB of EBS storage, 2 million IOs, 1 GB of snapshots, and 100 GB of bandwidth to the internet. X

Cancel Launch instance Preview code

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EC2 RDS IAM

Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage

Add new volume

The selected AMI contains more instance store volumes than the instance allows. Only the first 0 instance store volumes from the AMI will be accessible from the instance

Click refresh to view backup information

The tags that you assign determine whether the instance will be backed up by any Data Lifecycle Manager policies.

0 x File systems Edit

Advanced details Info

Domain join directory Info Select Create new directory

IAM instance profile Info Select Create new IAM profile

Hostname type Info IP name

DNS Hostname Info

Enable IP name IPv4 (A record) DNS requests

Enable resource-based IPv4 (A record) DNS requests

Enable resource-based IPv6 (AAAA record) DNS requests

Summary

Number of instances Info 2 When launching more than 1 instance, consider EC2 Auto Scaling

Virtual server type (instance type) t2.micro

Firewall (security group) New security group

Storage (volumes) 1 volume(s) - 8 GiB

Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month, 750 hours of public IPv4 address usage per month, 30 GiB of EBS storage, 2 million IOs, 1 GB of snapshots, and 100 GB of bandwidth to the internet.

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EC2 RDS IAM

⚠️ For V2 requests, you must include a session token in all instance metadata requests. Applications or agents that use V1 for instance metadata access will break.

Metadata response hop limit | Info 2

Allow tags in metadata | Info Select

User data - optional | Info
Upload a file with your user data or enter it in the field.
Choose file

```
#!/bin/bash
echo"ssh-rsa
AAAAB3NzaC1yc2EAAAQABAAQgQDEjdJQFZ1imJx3k2KU1W8i9Ow9HkFL75
H5km5wRz99m2v09E2+Bwd8xyIKAwcn4U2mus6R/uumJccUAgGS1YLCIUpN8NVSp
0iqR3OLK99RYqe//ZFukD/9Tvh3PPqtgAMWQzE5JfwsrL/XkGjM+qlrSy4Ytp0Y7nic
cofV2x1U9pAhSig8adXj8zDTS1/ia/9a50lwt4oEoZyDSoWaQ+Mhax4wRehxizhsjBz4
nPppNki7P+KTvMyhl/6kkLw9IBTjv6+zQgBrv6uWjiPhyNVagsp3y7F+PxqrZxR1gDwE
o/FVdVG6pSTRyH8cNAHTsNojRKV2l5GaAyYblxVTw35W92JF0sJQ1862IUjqQB6D
M+6xVwf1MnFzvKZGN4nf1lemSIHrik5Fzsxbz1dRAwY9X98tA4Q4O48e/YqGvhTj+
tr9Ve5zEQ20IlqK/XmRfuQOUF0LQpA3YoLZo86RR5NUduDZYNu7sY5cQJNm8+n04
09WaNJzv807o74KIBk= ubuntu@ip-172-30-6-245"
>>/home/ubuntu/.ssh/authorized_keys
```

User data has already been base64 encoded

▼ Summary

Number of instances | Info 2

When launching more than 1 instance, consider EC2 Auto Scaling

Virtual server type (instance type)
t2.micro

Firewall (security group)
New security group

Storage (volumes)
1 volume(s) - 8 GiB

ⓘ Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month, 750 hours of public IPv4 address usage per month, 30 GiB of EBS storage, 2 million IOs, 1 GB of snapshots, and 100 GB of bandwidth to the internet.

Cancel Launch instance Preview code

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EC2 RDS IAM

Dashboard EC2 Global View Events Instances Instances Instance Types Launch Templates Spot Requests Savings Plans Reserved Instances Dedicated Hosts Capacity Reservations New

Images AMIs AMI Catalog

Elastic Block Store Volumes Snapshots Lifecycle Manager

Network & Security Security Groups Elastic IPs Placement Groups Key Pairs

CloudShell Feedback

Successfully initiated termination (deletion) of i-0166ab1ed66753427, i-0b06095198a396d05

Last updated 6 minutes ago C Connect Instance state Actions Launch instances

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

| Name | Instance ID | Instance state | Instance type | Status check | Alarm status | Availability Zone | Public IPv4 DNS |
|----------------------|---------------------|----------------|---------------|-------------------|---------------|-------------------|--------------------------|
| Ansible-Assgnment-M | i-07a1b76e660642ab7 | Running | t2.micro | 2/2 checks passed | View alarms + | us-east-1e | ec2-100-26-221-56.co... |
| Ansible-Assgnment-S1 | i-0149e51fa164493f6 | Running | t2.micro | 2/2 checks passed | View alarms + | us-east-1e | ec2-54-210-107-215.co... |
| Ansible-Assgnment-S2 | i-01530d111b838a55b | Running | t2.micro | 2/2 checks passed | View alarms + | us-east-1e | ec2-3-85-136-252.com... |
| Ansible-Assgnment-S3 | i-0ad9041d552f2d745 | Running | t2.micro | Initializing | View alarms + | us-east-1e | ec2-3-85-54-174.comp... |
| Ansible-Assgnment-S4 | i-0576ecd8d7acfacd3 | Running | t2.micro | Initializing | View alarms + | us-east-1e | ec2-54-160-117-238.co... |

i-0ad9041d552f2d745 (Ansible-Assgnment-S3)

Details Status and alarms Monitoring Security Networking Storage Tags

Instance summary Instance ID: i-0ad9041d552f2d745 Public IPv4 address: 3.85.54.174 | open address Private IPv4 addresses: 172.30.12.62

IPv6 address: - Instance state: Running Public IPv4 DNS: ec2-3-85-54-174.compute-1.amazonaws.com | open address

Hostname type: IP name: ip-172-30-12-62.ec2.internal Private IP DNS name (IPv4 only): ip-172-30-12-62.ec2.internal

Answer private resource DNS name: - Instance type: t2.micro Elastic IP addresses: -

Auto-assigned IP address: 3.85.54.174 [Public IP] VPC ID: vpc-020050eeb89f650ee (Default VPC) AWS Compute Optimizer finding: Opt-in to AWS Compute Optimizer for recommendations. | Learn more

IAM Role Subnet ID Auto Scaling Group name:

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EC2 RDS IAM

GNU nano 6.2

/etc/ansible/hosts *

```
S1 ansible_host=172.30.6.168
S2 ansible_host=172.30.4.223

[test]
172.30.12.62

[prod]
172.30.12.193

# This is the default ansible 'hosts' file.
#
# It should live in /etc/ansible/hosts
#
# - Comments begin with the '#' character
# - Blank lines are ignored
# - Groups of hosts are delimited by [header] elements
# - You can enter hostnames or ip addresses
# - A hostname/ip can be a member of multiple groups

# Ex 1: Ungrouped hosts, specify before any group headers:

## green.example.com
## blue.example.com
## 192.168.100.1
## 192.168.100.10

# Ex 2: A collection of hosts belonging to the 'webservers' group:

## [webservers]
## alpha.example.org
## beta.example.org
## 192.168.1.100
## 192.168.1.110

# If you have multiple hosts following a pattern, you can specify
# them like this:
```

^G Help ^O Write Out ^W Where Is ^R Cut ^T Execute ^C Location M-U Undo M-A Set Mark M-) To Bracket M-Q Previous ^B Back ^P Prev Word
^X Exit ^R Read File ^\ Replace ^U Paste ^J Justify ^/ Go To Line M-E Redo M-6 Copy ^Q Where Was M-W Next ^F Forward ^N Next Word

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EC2 RDS IAM

Dashboard EC Global View Events Instances Instances Instance Types Launch Templates Spot Requests Savings Plans Reserved Instances Dedicated Hosts Capacity Reservations New

Images AMIs AMI Catalog

Elastic Block Store Volumes Snapshots Lifecycle Manager

Network & Security Security Groups Elastic IPs Placement Groups Key Pairs IAM Role

CloudShell Feedback

Successfully initiated termination (deletion) of i-0166ab1ed66753427,i-0b06095198a396d05

Instances (1/7) Info Find Instance by attribute or tag (case-sensitive) All states Last updated less than a minute ago C Connect Instance state Actions Launch instances

| Name | Instance ID | Instance state | Instance type | Status check | Alarm status | Availability Zone | Public IPv4 DNS |
|----------------------|---------------------|----------------|---------------|-------------------|---------------|-------------------|--------------------------|
| Ansible-Assgnment-M | i-07a1b76e660642ab7 | Running | t2.micro | 2/2 checks passed | View alarms + | us-east-1e | ec2-100-26-221-56.co... |
| Ansible-Assgnment-S1 | i-0149e51fa164493f6 | Running | t2.micro | 2/2 checks passed | View alarms + | us-east-1e | ec2-54-210-107-215.co... |
| Ansible-Assgnment-S2 | i-01530d111b838a55b | Running | t2.micro | 2/2 checks passed | View alarms + | us-east-1e | ec2-3-85-136-252.com... |
| Ansible-Assgnment-S3 | i-0ad9041d552f2d745 | Running | t2.micro | Initializing | View alarms + | us-east-1e | ec2-3-85-54-174.comp... |
| Ansible-Assgnment-S4 | i-0576ecd8d7acfacd3 | Running | t2.micro | Initializing | View alarms + | us-east-1e | ec2-54-160-117-238.co... |

i-0576ecd8d7acfacd3 (Ansible-Assgnment-S4)

Details Status and alarms Monitoring Security Networking Storage Tags

Instance summary Instance ID: i-0576ecd8d7acfacd3 Public IPv4 address: 54.160.117.238 | open address Private IPv4 addresses: 172.30.12.193

IPv6 address: - Instance state: Running Public IPv4 DNS: ec2-54-160-117-238.compute-1.amazonaws.com | open address

Hostname type: IP name: ip-172-30-12-193.ec2.internal Private IP DNS name (IPv4 only): ip-172-30-12-193.ec2.internal

Answer private resource DNS name: - Instance type: t2.micro Elastic IP addresses: -

Auto-assigned IP address: 54.160.117.238 [Public IP] VPC ID: vpc-020050eeb89f650ee (Default VPC) AWS Compute Optimizer finding: Opt-in to AWS Compute Optimizer for recommendations. | Learn more

Subnet ID: Auto Scaling Group name:

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aws | Services | [Alt+S]

EC2 RDS IAM

GNU nano 6.2

/etc/ansible/hosts *

```
S1 ansible_host=172.30.6.168
S2 ansible_host=172.30.4.223

[test]
172.30.12.62

[prod]
172.30.12.193

# This is the default ansible 'hosts' file.
#
# It should live in /etc/ansible/hosts
#
# - Comments begin with the '#' character
# - Blank lines are ignored
# - Groups of hosts are delimited by [header] elements
# - You can enter hostnames or ip addresses
# - A hostname/ip can be a member of multiple groups

# Ex 1: Ungrouped hosts, specify before any group headers:

## green.example.com
## blue.example.com
## 192.168.100.1
## 192.168.100.10

# Ex 2: A collection of hosts belonging to the 'webservers' group:

## [webservers]
## alpha.example.org
## beta.example.org
## 192.168.1.100
## 192.168.1.110

# If you have multiple hosts following a pattern, you can specify
# them like this:
```

^G Help ^O Write Out ^W Where Is ^R Cut ^T Execute ^C Location M-U Undo M-A Set Mark M-) To Bracket M-Q Previous ^B Back ^P Prev Word
^X Exit ^R Read File ^\ Replace ^U Paste ^J Justify ^/ Go To Line M-E Redo M-6 Copy ^Q Where Was M-W Next ^F Forward ^N Next Word

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```
aws | Services | Search [Alt+S] | N. Virginia | Intellipaat-Swapnil | EC2 RDS IAM | [REDACTED]  
"msg": "Failed to connect to the host via ssh: ubuntu@172.30.12.62: Permission denied (publickey).",  
"unreachable": true  
}  
ubuntu@ip-172-30-6-245:~$ ansible -m ping test  
172.30.12.62 | UNREACHABLE! => {  
    "changed": false,  
    "msg": "Failed to connect to the host via ssh: ssh: connect to host 172.30.12.62 port 22: Connection timed out",  
    "unreachable": true  
}  
  
ubuntu@ip-172-30-6-245:~$  
ubuntu@ip-172-30-6-245:~$ sudo cat /home/ubuntu/.ssh/id_rsa.pub  
ssh-rsa AAAAB3NzaC1yc2EAAAQABAAQBgQDEjdJQFZ1imlJx3k2KU1W8i9Ow9HkFL75H5km5wRz99m2v09E2+Bwd8xylKAwcn4U2mus6R/uumJccUAgGS1YLC1UpN8NVSp0iqR3OLK99RYqe//ZFukD/9Tvh3PPqtgAMWQzE5JfwsrL//XkGjM+qlrSy4Ytp0Y7niccofV2x1U9pAhSig8adXkj8zDT81/ia/9a501wt4oEozyDSoWaQ+Mmax4wRehixzsJBz4nPppNki7P+KTvMyhI/6kkLw9IBTJv6+zQgBrv6uWjiPhyNVagsp3y7F+PxqrZxR1gDwEo/FVdVG6pSTRyH8cNAHTsNojRKV2L5GaAyYblxVTw35W92JF0sJQ1862IUjqQB6DM+6xVwf1MnFzvKZGN4nf1IemSIHrik5Fzsxbz1dRAwY9X98tA4Q4048e/YqGvhTj+tr9Ve5zEQ20IIgK/XmRfuQOUF0LQpA3YoLzo86RR5NUduDZYNu7sY5cQJNm8+n0409WaNJzv807o74Klbk= ubuntu@ip-172-30-6-245  
ubuntu@ip-172-30-6-245:~$  
ubuntu@ip-172-30-6-245:~$ ansible -m ping test  
172.30.12.62 | UNREACHABLE! => {  
    "changed": false,  
    "msg": "Failed to connect to the host via ssh: ubuntu@172.30.12.62: Permission denied (publickey).",  
    "unreachable": true  
}  
ubuntu@ip-172-30-6-245:~$ ansible -m ping test  
[WARNING]: Platform linux on host 172.30.12.62 is using the discovered Python interpreter at /usr/bin/python3.10, but future installation of another Python interpreter could change the meaning of that path.  
. See https://docs.ansible.com/ansible-core/2.17/reference\_appendices/interpreter\_discovery.html for more information.  
172.30.12.62 | SUCCESS => {  
    "ansible_facts": {  
        "discovered_interpreter_python": "/usr/bin/python3.10"  
    },  
    "changed": false,  
    "ping": "pong"  
}  
ubuntu@ip-172-30-6-245:~$ ansible -m ping prod  
The authenticity of host '172.30.12.193 (172.30.12.193)' can't be established.  
ED25519 key fingerprint is SHA256:WM30+TGAsVZ9kkia6tiliUti5tOr4FvVmOEQP6xEUgA.  
This key is not known by any other names  
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes  
[WARNING]: Platform linux on host 172.30.12.193 is using the discovered Python interpreter at /usr/bin/python3.10, but future installation of another Python interpreter could change the meaning of that path. See https://docs.ansible.com/ansible-core/2.17/reference\_appendices/interpreter\_discovery.html for more information.  
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    "ping": "pong"  
}  
ubuntu@ip-172-30-6-245:~$
```

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EC2 RDS IAM

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  },
  "changed": false,
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}
ubuntu@ip-172-30-6-245:~$ 
ubuntu@ip-172-30-6-245:~$ 
ubuntu@ip-172-30-6-245:~$ cd /etc/ansible/roles
ubuntu@ip-172-30-6-245:/etc/ansible/roles$ ls
apache nginx
ubuntu@ip-172-30-6-245:/etc/ansible/roles$ 
ubuntu@ip-172-30-6-245:/etc/ansible/roles$ 
ubuntu@ip-172-30-6-245:/etc/ansible/roles$ sudo ansible-galaxy init java
- Role java was created successfully
ubuntu@ip-172-30-6-245:/etc/ansible/roles$ 
ubuntu@ip-172-30-6-245:/etc/ansible/roles$ sudo ansible-galaxy init mysql
- Role mysql was created successfully
ubuntu@ip-172-30-6-245:/etc/ansible/roles$ cd java/tasks
ubuntu@ip-172-30-6-245:/etc/ansible/roles/java/tasks$ ls
main.yml
ubuntu@ip-172-30-6-245:/etc/ansible/roles/java/tasks$ 
ubuntu@ip-172-30-6-245:/etc/ansible/roles/java/tasks$ 
ubuntu@ip-172-30-6-245:/etc/ansible/roles/java/tasks$ sudo nano install.yaml
ubuntu@ip-172-30-6-245:/etc/ansible/roles/java/tasks$ 
```

aws | Services | [Alt+S]

EC2 RDS IAM

GNU nano 6.2 install.yaml *

```
--  
- name: running java role for test group  
  apt: name=openjdk-11-jdk update_cache=yes state=latest
```

^G Help ^C Write Out ^W Where Is ^T Execute ^C Location ^U Undo M-A Set Mark
^X Exit ^R Read File ^\ Replace ^K Cut ^J Justify ^/ Go To Line ^E Redo M-B Copy M-) To Bracket M-Q Previous
M-W Next ^B Back ^F Forward ^* Prev Word ^* Next Word

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EC2 RDS IAM

```
"msg": "Failed to connect to the host via ssh: ubuntu@172.30.12.62: Permission denied (publickey).",
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}
ubuntu@ip-172-30-6-245:~$ 
ubuntu@ip-172-30-6-245:~$ cd /etc/ansible/roles
ubuntu@ip-172-30-6-245:/etc/ansible/roles$ ls
apache nginx
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- Role mysql was created successfully
ubuntu@ip-172-30-6-245:/etc/ansible/roles$ cd java/tasks
ubuntu@ip-172-30-6-245:/etc/ansible/roles/java/tasks$ ls
main.yml
ubuntu@ip-172-30-6-245:/etc/ansible/roles/java/tasks$ 
ubuntu@ip-172-30-6-245:/etc/ansible/roles/java/tasks$ sudo nano install.yaml
ubuntu@ip-172-30-6-245:/etc/ansible/roles/java/tasks$ sudo nano main.yml
ubuntu@ip-172-30-6-245:/etc/ansible/roles/java/tasks$ 
```

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EC2 RDS IAM

GNU nano 6.2 main.yml *

```
# tasks file for java
- include_tasks: install.yaml
```

^G Help ^O Write Out ^W Where Is ^K Cut ^T Execute ^C Location ^/ Go To Line M-U Undo M-A Set Mark M-] To Bracket M-Q Previous ^B Back ^X Exit ^R Read File ^\ Replace ^U Paste ^J Justify M-F Redo M-6 Copy ^O Where Was M-W Next ^F Forward ^A Prev Word ^P Next Word

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EC2 RDS IAM

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ubuntu@ip-172-30-6-245:/etc/ansible/roles/java/tasks$ sudo nano install.yaml
ubuntu@ip-172-30-6-245:/etc/ansible/roles/java/tasks$ sudo nano main.yml
ubuntu@ip-172-30-6-245:/etc/ansible/roles/java/tasks$ cd ../..
ubuntu@ip-172-30-6-245:/etc/ansible/roles$ ls
apache java mysql nginx
ubuntu@ip-172-30-6-245:/etc/ansible/roles$ cd mysql
ubuntu@ip-172-30-6-245:/etc/ansible/roles/mysql$ cd tasks
ubuntu@ip-172-30-6-245:/etc/ansible/roles/mysql/tasks$ sudo nano install.yaml[]
```

aws | Services | Search [Alt+S]

EC2 RDS IAM

GNU nano 6.2 install.yaml

```
-->
- name: installing sql on prod
  apt: name=mysql-server update_cache=yes state=latest
```

[Wrote 3 lines]

^G Help ^O Write Out ^W Where Is ^T Execute ^C Location M-U Undo M-A Set Mark M-] To Bracket M-Q Previous ^B Back ^X Exit ^R Read File ^\ Replace ^F Paste ^J Justify ^/ Go To Line M-E Redo M-G Copy ^C Where Was M-W Next ^E Forward ^P Prev Word ^N Next Word

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EC2 RDS IAM

```
"ansible_facts": {
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ubuntu@ip-172-30-6-245:/etc/ansible/roles/mysql/tasks$ 
ubuntu@ip-172-30-6-245:/etc/ansible/roles/mysql/tasks$ sudo nano main.yml[]
```

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EC2 RDS IAM

GNU nano 6.2 main.yml *

```
--  
# tasks file for mysql  
- include_tasks: install.yaml
```

^G Help ^W Where Is ^T Execute ^C Location ^U Undo ^A Set Mark ^]) To Bracket ^Q Previous ^B Back ^X Exit ^R Read File ^\ Replace ^U Paste ^J Justify ^/ Go To Line ^E Redo ^G Copy ^Q Where Was ^W Next ^F Forward ^H Prev Word ^P Next Word

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EC2 RDS IAM

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The authenticity of host '172.30.12.193 (172.30.12.193)' can't be established.
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ubuntu@ip-172-30-6-245:/etc/ansible/roles/mysql/tasks$ 
ubuntu@ip-172-30-6-245:/etc/ansible/roles/mysql/tasks$ 
ubuntu@ip-172-30-6-245:/etc/ansible/roles/mysql/tasks$ sudo nano install.yaml
ubuntu@ip-172-30-6-245:/etc/ansible/roles/mysql/tasks$ cd
ubuntu@ip-172-30-6-245:~$ sudo nano play5.yaml[]
```

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EC2 RDS IAM

GNU nano 6.2 play5.yaml *

```
---
- name: running java roles on test group
  hosts: test
  become: true
  roles:
    - java
- name: running mysql roles on prod group
  hosts: prod
  become: true
  roles:
    - mysql
```

^G Help ^C Write Out ^W Where Is ^T Execute ^C Location M-U Undo M-A Set Mark M-] To Bracket M-Q Previous ^B Back ^X Exit ^R Read File ^\ Replace ^K Cut ^U Paste ^J Justify ^/ Go To Line M-E Redo M-G Copy ^Q Where Was M-W Next ^F Forward ^P Prev Word ^N Next Word

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aws | Services | Search [Alt+S] | N. Virginia | Intellipaat-Swapnil

EC2 RDS IAM

```
ping: pong

ubuntu@ip-172-30-6-245:~$ cd /etc/ansible/roles
ubuntu@ip-172-30-6-245:/etc/ansible/roles$ ls
apache nginx
ubuntu@ip-172-30-6-245:/etc/ansible/roles$ sudo ansible-galaxy init java
- Role java was created successfully
ubuntu@ip-172-30-6-245:/etc/ansible/roles$ sudo ansible-galaxy init mysql
- Role mysql was created successfully
ubuntu@ip-172-30-6-245:/etc/ansible/roles$ cd java/tasks
ubuntu@ip-172-30-6-245:/etc/ansible/roles/java/tasks$ ls
main.yml
ubuntu@ip-172-30-6-245:/etc/ansible/roles/java/tasks$ sudo nano install.yaml
ubuntu@ip-172-30-6-245:/etc/ansible/roles/java/tasks$ sudo nano main.yml
ubuntu@ip-172-30-6-245:/etc/ansible/roles/java/tasks$ cd ../..
ubuntu@ip-172-30-6-245:/etc/ansible/roles$ ls
apache java mysql nginx
ubuntu@ip-172-30-6-245:/etc/ansible/roles$ cd mysql
ubuntu@ip-172-30-6-245:/etc/ansible/roles/mysql$ cd tasks
ubuntu@ip-172-30-6-245:/etc/ansible/roles/mysql/tasks$ sudo nano install.yaml
ubuntu@ip-172-30-6-245:/etc/ansible/roles/mysql/tasks$ sudo nano main.yaml
ubuntu@ip-172-30-6-245:/etc/ansible/roles/mysql/tasks$ sudo nano play5.yaml
ubuntu@ip-172-30-6-245:/etc/ansible/roles/mysql/tasks$ cd
ubuntu@ip-172-30-6-245:~$ sudo nano play5.yaml
ubuntu@ip-172-30-6-245:~$ 
ubuntu@ip-172-30-6-245:~$ sudo cat play5.yaml
---
- name: running java roles on test group
  hosts: test
  roles:
    - java
- name: running mysql roles on prod group
  hosts: prod
  roles:
    - mysql
ubuntu@ip-172-30-6-245:~$ 
```