

Instances | EC2 | us-east-1

surendrakamble07/Ansible

←

↺

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

⋮

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⚙️

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aws

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🔔

❓

⚙️

United States (N. Virginia)

Account ID: 5905-9878-5839

surendra_07

☰

EC2 > Instances

🏠

⚙️

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EC2

Dashboard

EC2 Global View

Events

▼ Instances

Instances

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts

Capacity Reservations

Capacity Manager

▼ Images

AMIs

AMI Catalog

▼ Elastic Block Store

Volumes

🔔 Successfully initiated starting of i-020fc16a581c55290,i-0622c9bd0a4784a8b,i-00a107219ace0cfe3,i-0b551e153a56c32e2

Instances (4/6) Info

🔄

Connect

Instance state

Actions

Launch instances

🔍 Find Instance by attribute or tag (case-sensitive)

All states

< 1 >

⚙️

	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv
<input type="checkbox"/>	Linux	i-06ae12bb862100b8c	⊖ Stopped	t2.micro	—	View alarms +	us-east-1d	—
<input type="checkbox"/>	Docker	i-08f0208e54c706fb5	⊖ Stopped	t2.micro	—	View alarms +	us-east-1d	—
<input checked="" type="checkbox"/>	server_2	i-00a107219ace0cfe3	✅ Running	t2.micro	—	View alarms +	us-east-1d	ec2-3-90-6
<input checked="" type="checkbox"/>	server_1	i-0b551e153a56c32e2	✅ Running	t2.micro	—	View alarms +	us-east-1d	ec2-54-22
<input checked="" type="checkbox"/>	server_3	i-020fc16a581c55290	✅ Running	t2.micro	—	View alarms +	us-east-1d	ec2-54-15
<input checked="" type="checkbox"/>	Ansible	i-0622c9bd0a4784a8b	✅ Running	t2.micro	—	View alarms +	us-east-1d	ec2-54-14

4 instances selected

Monitoring

Configure CloudWatch agent

Alarm recommendations

Investigate with AI - new

1h 3h 12h 1d 3d 1w Custom

UTC timezone

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CloudShell

Feedback

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Install the latest PowerShell for new features and improvements! <https://aka.ms/PSWindows>

PS C:\Users\suren> **ssh** -i "C:\Users\suren\Downloads\Ansible-master-key.pem" ubuntu@54.145.181.212
Welcome to Ubuntu 24.04.3 LTS (GNU/Linux 6.14.0-1014-aws x86_64)

* Documentation: <https://help.ubuntu.com>
* Management: <https://landscape.canonical.com>
* Support: <https://ubuntu.com/pro>

System information as of Thu Oct 16 17:38:19 UTC 2025

System load:	0.01	Processes:	116
Usage of /:	42.0% of 6.71GB	Users logged in:	1
Memory usage:	21%	IPv4 address for enX0:	172.31.29.52
Swap usage:	0%		

* Ubuntu Pro delivers the most comprehensive open source security and compliance features.

<https://ubuntu.com/aws/pro>

Expanded Security Maintenance for Applications is not enabled.

24 updates can be applied immediately.
To see these additional updates run: `apt list --upgradable`

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

Last login: Thu Oct 16 17:35:50 2025 from 223.228.142.34

ubuntu@ip-172-31-29-52:~\$ `sudo su`

root@ip-172-31-29-52:/home/ubuntu# `cat /home/ansible/hosts`

cat: /home/ansible/hosts: No such file or directory

root@ip-172-31-29-52:/home/ubuntu# `ls`

keys

root@ip-172-31-29-52:/home/ubuntu# `cat /etc/ansible/hosts`

This is the default ansible 'hosts' file.

keys

```
root@ip-172-31-29-52:/home/ubuntu# cat /etc/ansible/hosts
# 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
[servers]
server_1 ansible_host=23.22.240.22
server_2 ansible_host=34.207.207.215
server_3 ansible_host=54.226.238.250

[servers:vars]
ansible_python_interpreter=/usr/bin/python3
ansible_user=ubuntu
ansible_ssh_private_key_file=/home/ubuntu/keys/Ansible-master-key.pem
# 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:
```

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

```
# You can also use ranges for multiple hosts:
```

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

```
# Ex 3: A collection of database servers in the 'dbservers' group:
```

```
## [dbservers]
```

```
##
```

```
## db01.intranet.mydomain.net
```

```
## db02.intranet.mydomain.net
```

```
## 10.25.1.56
```

```
## 10.25.1.57
```

```
# Ex4: Multiple hosts arranged into groups such as 'Debian' and 'openSUSE':
```

```
## [Debian]
```

```
## alpha.example.org
```

```
## beta.example.org
```

```
## [openSUSE]
```

```
## green.example.com
```

```
## blue.example.com
```

```
root@ip-172-31-29-52:/home/ubuntu# vim /etc/ansible/hosts
```

```
root@ip-172-31-29-52:/home/ubuntu# ansible servers -m ping
```

```
The authenticity of host '3.90.68.167 (3.90.68.167)' can't be established.
```

```
ED25519 key fingerprint is SHA256:Ha2izbqyP0diYChwLpowlvkVfeLRUaAW18oYpYA4z14.
```

```
This host key is known by the following other names/addresses:
```

```
  ~/.ssh/known_hosts:1: [hashed name]
```

```
  ~/.ssh/known_hosts:11: [hashed name]
```

```
The authenticity of host '54.221.37.206 (54.221.37.206)' can't be established.
```

```
ED25519 key fingerprint is SHA256:GkTpkyrCMkzWC1BYDNVFQkja+wxxuefk6fjLeJ422j0.
```

```
This host key is known by the following other names/addresses:
```

```
  ~/.ssh/known_hosts:7: [hashed name]
```

```
  ~/.ssh/known_hosts:10: [hashed name]
```

```
The authenticity of host '54.152.230.166 (54.152.230.166)' can't be established.
```

```
ED25519 key fingerprint is SHA256:dSwVaIbhzaFqZQbNchMmgIfvST9fdmle6FGIMQxqKPI.
```

```
This host key is known by the following other names/addresses:
```

```
ED25519 key fingerprint is SHA256:Ha2izbqyP0diYChwLpowlvkVfeLRUaAW18oYpYA4z14.
This host key is known by the following other names/addresses:
  ~/.ssh/known_hosts:1: [hashed name]
  ~/.ssh/known_hosts:11: [hashed name]
The authenticity of host '54.221.37.206 (54.221.37.206)' can't be established.
ED25519 key fingerprint is SHA256:GkTpkyrCMkzWC1BYDNVFQkja+wxuefk6fjLeJ422j0.
This host key is known by the following other names/addresses:
  ~/.ssh/known_hosts:7: [hashed name]
  ~/.ssh/known_hosts:10: [hashed name]
The authenticity of host '54.152.230.166 (54.152.230.166)' can't be established.
ED25519 key fingerprint is SHA256:dSwVaIbhzAFqZQbNchMmgIfvST9fdmle6FGIMQxqKPI.
This host key is known by the following other names/addresses:
  ~/.ssh/known_hosts:4: [hashed name]
  ~/.ssh/known_hosts:12: [hashed name]
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
server_2 | SUCCESS => {
  "changed": false,
  "ping": "pong"
}
yes
server_1 | SUCCESS => {
  "changed": false,
  "ping": "pong"
}
yes
server_3 | SUCCESS => {
  "changed": false,
  "ping": "pong"
}
root@ip-172-31-29-52:/home/ubuntu# |
```



```
root@ip-172-31-29-52: /home  ×  +  ▾

}
yes
server_3 | SUCCESS => {
    "changed": false,
    "ping": "pong"
}
root@ip-172-31-29-52:/home/ubuntu# vim date_play.yml
root@ip-172-31-29-52:/home/ubuntu# ansible-playbook date_play.yml

PLAY [Dates playbook] *****

TASK [Gathering Facts] *****
ok: [server_1]
ok: [server_3]
ok: [server_2]

TASK [show date] *****
changed: [server_1]
changed: [server_3]
changed: [server_2]

TASK [show uptime] *****
changed: [server_1]
changed: [server_3]
changed: [server_2]

PLAY RECAP *****
server_1      : ok=3    changed=2    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
server_2      : ok=3    changed=2    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
server_3      : ok=3    changed=2    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0

root@ip-172-31-29-52:/home/ubuntu# ansible-playbook -v date_play.yml
Using /etc/ansible/ansible.cfg as config file

PLAY [Dates playbook] *****

TASK [Gathering Facts] *****
ok: [server_2]
ok: [server_1]
ok: [server_3]
```



```
root@ip-172-31-29-52: /home  ×  +  ▾

changed: [server_2]

PLAY RECAP *****
server_1      : ok=3    changed=2    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
server_2      : ok=3    changed=2    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
server_3      : ok=3    changed=2    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0

root@ip-172-31-29-52:/home/ubuntu# ansible-playbook -v date_play.yml
Using /etc/ansible/ansible.cfg as config file

PLAY [Dates playbook] *****

TASK [Gathering Facts] *****
ok: [server_2]
ok: [server_1]
ok: [server_3]

TASK [show date] *****
changed: [server_1] => {"changed": true, "cmd": ["date"], "delta": "0:00:00.004573", "end": "2025-10-16 17:49:14.313816", "msg": "", "rc": 0, "start": "2025-10-16 17:49:14.309243", "stderr": "", "stderr_lines": [], "stdout": "Thu Oct 16 17:49:14 UTC 2025", "stdout_lines": ["Thu Oct 16 17:49:14 UTC 2025"]}
changed: [server_2] => {"changed": true, "cmd": ["date"], "delta": "0:00:00.004705", "end": "2025-10-16 17:49:14.317947", "msg": "", "rc": 0, "start": "2025-10-16 17:49:14.313242", "stderr": "", "stderr_lines": [], "stdout": "Thu Oct 16 17:49:14 UTC 2025", "stdout_lines": ["Thu Oct 16 17:49:14 UTC 2025"]}
changed: [server_3] => {"changed": true, "cmd": ["date"], "delta": "0:00:00.003661", "end": "2025-10-16 17:49:14.322217", "msg": "", "rc": 0, "start": "2025-10-16 17:49:14.318556", "stderr": "", "stderr_lines": [], "stdout": "Thu Oct 16 17:49:14 UTC 2025", "stdout_lines": ["Thu Oct 16 17:49:14 UTC 2025"]}

TASK [show uptime] *****
changed: [server_1] => {"changed": true, "cmd": ["uptime"], "delta": "0:00:00.003988", "end": "2025-10-16 17:49:14.701402", "msg": "", "rc": 0, "start": "2025-10-16 17:49:14.697414", "stderr": "", "stderr_lines": [], "stdout": " 17:49:14 up 17 min,  1 user,  load average: 0.00, 0.01, 0.00", "stdout_lines": [" 17:49:14 up 17 min,  1 user,  load average: 0.00, 0.01, 0.00"]}
changed: [server_2] => {"changed": true, "cmd": ["uptime"], "delta": "0:00:00.004878", "end": "2025-10-16 17:49:14.709124", "msg": "", "rc": 0, "start": "2025-10-16 17:49:14.704246", "stderr": "", "stderr_lines": [], "stdout": " 17:49:14 up 17 min,  1 user,  load average: 0.00, 0.00, 0.00", "stdout_lines": [" 17:49:14 up 17 min,  1 user,  load average: 0.00, 0.00, 0.00"]}
changed: [server_3] => {"changed": true, "cmd": ["uptime"], "delta": "0:00:00.004777", "end": "2025-10-16 17:49:14.725609", "msg": "", "rc": 0, "start": "2025-10-16 17:49:14.720832", "stderr": "", "stderr_lines": [], "stdout": " 17:49:14 up 17 min,  1 user,  load average: 0.00, 0.05, 0.07", "stdout_lines": [" 17:49:14 up 17 min,  1 user,  load average: 0.00, 0.05, 0.07"]}

PLAY RECAP *****
server_1      : ok=3    changed=2    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
server_2      : ok=3    changed=2    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
server_3      : ok=3    changed=2    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
```



```
root@ip-172-31-29-52:/home/ubuntu# ansible-playbook install_nginx_play.yml
```

```
PLAY [install and start the nginx server] *****
```

```
TASK [Gathering Facts] *****
```

```
ok: [server_2]
ok: [server_3]
ok: [server_1]
```

```
TASK [update the system] *****
```

```
changed: [server_2]
changed: [server_1]
changed: [server_3]
```

```
TASK [install the nginx] *****
```

```
ok: [server_2]
ok: [server_1]
ok: [server_3]
```

```
TASK [start the nginx server] *****
```

```
ok: [server_1]
ok: [server_2]
ok: [server_3]
```

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

server_1	: ok=4	changed=1	unreachable=0	failed=0	skipped=0	rescued=0	ignored=0
server_2	: ok=4	changed=1	unreachable=0	failed=0	skipped=0	rescued=0	ignored=0
server_3	: ok=4	changed=1	unreachable=0	failed=0	skipped=0	rescued=0	ignored=0

```
root@ip-172-31-29-52:/home/ubuntu# cat install_nginx_play.yml
```

```
-
```

```
name: install and start the nginx server
hosts: servers
become: yes
tasks:
  - name: update the system
    apt:
      update_cache: yes
```

changed: [server_1]
changed: [server_3]

TASK [install the nginx] *****
ok: [server_2]
ok: [server_1]
ok: [server_3]

TASK [start the nginx server] *****
ok: [server_1]
ok: [server_2]
ok: [server_3]

PLAY RECAP *****
server_1 : ok=4 changed=1 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0
server_2 : ok=4 changed=1 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0
server_3 : ok=4 changed=1 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0

root@ip-172-31-29-52:/home/ubuntu# cat install_nginx_play.yml
-

```
name: install and start the nginx server
hosts: servers
become: yes
tasks:
  - name: update the system
    apt:
      update_cache: yes

  - name: install the nginx
    apt:
      name: nginx
      state: latest

  - name: start the nginx server
    service:
      name: nginx
      state: started
      enabled: yes
```

root@ip-172-31-29-52:/home/ubuntu#

Instances | EC2 | us-east-1

EC2 Instance Connect | us-east-1

Ansible/Ansible notes.pdf at main

https://us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh/home?addressFamily=ipv4&connType=standard&instanceId=i-0b551e153a56c32e2&osUser=ubuntu®ion=us-east-1...

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aws

Search

[Alt+S]

United States (N. Virginia)

Account ID: 5905-9878-5839

surendra_07

System load: 0.08

Processes: 111

Usage of /: 34.6% of 6.71GB

Users logged in: 0

Memory usage: 22%

IPv4 address for enX0: 172.31.28.252

Swap usage: 0%

* Ubuntu Pro delivers the most comprehensive open source security and compliance features.

https://ubuntu.com/aws/pro

Expanded Security Maintenance for Applications is not enabled.

24 updates can be applied immediately.

To see these additional updates run: apt list --upgradable

Enable ESM Apps to receive additional future security updates.

See https://ubuntu.com/esm or run: sudo pro status

Last login: Thu Oct 16 18:11:27 2025 from 54.145.181.212

ubuntu@ip-172-31-28-252:~\$ sudo su

root@ip-172-31-28-252:/home/ubuntu# nginx --version

nginx: invalid option: "--"

root@ip-172-31-28-252:/home/ubuntu# nginx -version

nginx version: nginx/1.24.0 (Ubuntu)

root@ip-172-31-28-252:/home/ubuntu# ~

i-0b551e153a56c32e2 (server_1)

PublicIPs: 54.221.37.206 PrivateIPs: 172.31.28.252