

1-Working

TerminalSessionsViewX serverToolsGamesSettingsMacrosHelp

SessionServersToolsGamesSessionsViewSplitMultiExecTunnelingPackagesSettingsHelp

X serverExit

Quick connect...3. 1-Working

Star

Home/Ubuntu/

Name

..

ansible

get-pip.py

Remote monitoring

Follow terminal fold

```
ubuntu@ip-172-31-44-38:~/ansible$ ansible --version
[DEPRECATION WARNING]: Ansible will require Python 3.8 or newer on the controller starting with Ansible 2.12. Current version: 3.6.9 (default,
Nov 25 2022, 14:10:45) [GCC 8.4.0]. This feature will be removed from ansible-core in version 2.12. Deprecation warnings can be disabled by
setting deprecation_warnings=False in ansible.cfg.
ansible [core 2.11.12]
  config file = /home/ubuntu/ansible/ansible.cfg
  configured module search path = ['/home/ubuntu/.ansible/plugins/modules', '/usr/share/ansible/plugins/modules']
  ansible python module location = /usr/local/lib/python3.6/dist-packages/ansible
  ansible collection location = /home/ubuntu/.ansible/collections:/usr/share/ansible/collections
  executable location = /usr/local/bin/ansible
  python version = 3.6.9 (default, Nov 25 2022, 14:10:45) [GCC 8.4.0]
  jinja version = 2.10
  libyaml = True
ubuntu@ip-172-31-44-38:~/ansible$
```

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/home/ubuntu/

Name

..ansibleget-pip.py

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3. 1-Working

GNU nano 2.9.3

hosts

Modified

2 Simple Inventory

```
[test]
client01

[dev]
client02 ansible_host=3.73.58.216

[prod]
client03 ansible_host=18.184.149.230

[dev_prod:children]
dev
prod
```

^G

Get Help

^X

Exit

^O

Write Out

^R

Read File

^W

Where Is

^N

Replace

^K

Cut Text

^U

Uncut Text

^J

Justify

^T

To Spell

^C

Cur Pos

^L

Go To Line

M-U

Undo

M-E

Redo

M-A

Mark Text

M-6

Copy Text

M-]

To Bracket

M-W

WhereIs Next

Loading remote monitoring, please wait...

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SessionServersToolsGamesSessionsViewSplitMultiExecTunnelingPackagesSettingsHelp

3 group_vars directory

X serverExit

Quick connect...

Star

Home

Terminal

Star

Home

Terminal

Star

Home

Terminal

/home/ubuntu/

Name

..

ansible

get-pip.py

ubuntu@ip-172-31-44-38:~/ansible/group_vars\$ ll

total 16

drwxrwxr-x 2 ubuntu ubuntu 4096 Dec 29 09:25 ./

drwxrwxr-x 3 ubuntu ubuntu 4096 Dec 29 09:24 ../

-rw-rw-r-- 1 ubuntu ubuntu 91 Dec 28 10:26 dev_prod

-rw-rw-r-- 1 ubuntu ubuntu 124 Dec 29 09:25 test

ubuntu@ip-172-31-44-38:~/ansible/group_vars\$ cat dev_prod

ansible_user: ubuntu

ansible_ssh_private_key_file: /home/ubuntu/.ssh/Ubuntu.pem

dev: Chel2

ubuntu@ip-172-31-44-38:~/ansible/group_vars\$

ubuntu@ip-172-31-44-38:~/ansible/group_vars\$

ubuntu@ip-172-31-44-38:~/ansible/group_vars\$

ubuntu@ip-172-31-44-38:~/ansible/group_vars\$ cat test

ansible_host: 3.126.59.181

ansible_user: ubuntu

ansible_ssh_private_key_file: /home/ubuntu/.ssh/Ubuntu.pem

dev: Chel1

ubuntu@ip-172-31-44-38:~/ansible/group_vars\$

< Remote monitoring >

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SessionServersToolsGamesSessionsViewSplitMultiExecTunnelingPackagesSettingsHelp

4 Ping to 3 hosts

X serverExit

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Star

home/ubuntu/

Name

..

ansible

get-pip.py

Remote monitoring

```
ubuntu@ip-172-31-44-38:~/ansible$ ansible all -m ping
[DEPRECATION WARNING]: Ansible will require Python 3.8 or newer on the controller starting with Ansible 2.12. Current version: 3.6.9 (default,
Nov 25 2022, 14:10:45) [GCC 8.4.0]. This feature will be removed from ansible-core in version 2.12. Deprecation warnings can be disabled by
setting deprecation_warnings=False in ansible.cfg.
The authenticity of host '3.126.59.181 (3.126.59.181)' can't be established.
ECDSA key fingerprint is SHA256:IfYpua+Ijb1B8GsSyKunzN73DVsHgIfCQSQ5n6JBQY.
Are you sure you want to continue connecting (yes/no)? The authenticity of host '3.73.58.216 (3.73.58.216)' can't be established.
ECDSA key fingerprint is SHA256:EKtwmTF9D+uNu1Q4fDX8YqZ4gon56SDw+0oz2wrbgSk.
Are you sure you want to continue connecting (yes/no)? The authenticity of host '18.184.149.230 (18.184.149.230)' can't be established.
ECDSA key fingerprint is SHA256:kV5B/PnupN+uisbLWjGP0P68JdQq8vC1F15MdRbdwZQ.
Are you sure you want to continue connecting (yes/no)? yes
client01 | SUCCESS => {
  "ansible_facts": {
    "discovered_interpreter_python": "/usr/bin/python3"
  },
  "changed": false,
  "ping": "pong"
}
yes
client02 | SUCCESS => {
  "ansible_facts": {
    "discovered_interpreter_python": "/usr/bin/python3"
  },
  "changed": false,
  "ping": "pong"
}
yes
client03 | SUCCESS => {
  "ansible_facts": {
    "discovered_interpreter_python": "/usr/bin/python3"
  },
  "changed": false,
  "ping": "pong"
}
}
ubuntu@ip-172-31-44-38:~/ansible$
```

Follow terminal foldLoading remote monitoring, please wait...

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SessionServersToolsGamesSessionsViewSplitMultiExecTunnelingPackagesSettingsHelp

X serverExit

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Star

/home/ubuntu/

Name

..

ansible

get-pip.py

Remote monitoring

Follow terminal fold

5 Simple Playbook

```
ubuntu@ip-172-31-44-38:~/ansible$ cat playbook1.yml
- name: Ping Servers
  hosts: all
  become: yes

  vars:
    packages:
      - apache2
      - htop
      - tree
      - rsync
    file_src: file123
    file_dest: /home/ubuntu
  tasks:

- name: Task ping
  ping:

- name: Install apache2
  apt:
    pkg: "{{packages}}"
    state: present

- name: Copy file
  copy:
    src: "{{file_src}}"
    dest: "{{file_dest}}"
    mode: 0777
ubuntu@ip-172-31-44-38:~/ansible$
```

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SessionServersToolsGamesSessionsViewSplitMultiExecTunnelingPackagesSettingsHelp

6 Playbook with loops

X serverExit

Quick connect...3. 1-Working

home/ubuntu/

Name

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Remote monitoringFollow terminal fold

```
ubuntu@ip-172-31-44-38:~/ansible$ cat playbook4_with_items_loops_create_usrs.yml
- name: Create User
  hosts: all
  become: yes

tasks:
- name: Create Groups
  group:
    name: "{{item}}"
    state: present
  loop:
    - dev
    - test

- name: Create users
  user:
    name: "{{item.clientname}}"
    shell: /bin/bash
    groups: dev, test
    append: yes
    home: "/home/{{item.homedir}}"
  with_items:
    - {clientname: client1, homedir: client1}
    - {clientname: client2, homedir: client2}

ubuntu@ip-172-31-44-38:~/ansible$
```

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7 Roles

X serverExit

Quick connect...

3. 1-Working

tree

0 upgraded, 1 newly installed, 0 to remove and 0 not upgraded.
Need to get 40.7 kB of archives.
After this operation, 105 kB of additional disk space will be used.
Get:1 <http://eu-central-1.ec2.archive.ubuntu.com/ubuntu> bionic/universe amd64 tree amd64 1.7.0-5 [40.7 kB]
Fetched 40.7 kB in 0s (3486 kB/s)
Selecting previously unselected package tree.
(Reading database ... 64744 files and directories currently installed.)
Preparing to unpack .../tree_1.7.0-5_amd64.deb ...
Unpacking tree (1.7.0-5) ...
Setting up tree (1.7.0-5) ...
Processing triggers for man-db (2.8.3-2ubuntu0.1) ...
ubuntu@ip-172-31-44-38:~/ansible2/roles\$
ubuntu@ip-172-31-44-38:~/ansible2/roles\$
ubuntu@ip-172-31-44-38:~/ansible2/roles\$ tree

i- deploy_apache_web
├── README.md
├── defaults
│ └── main.yml
├── files
├── handlers
│ └── main.yml
├── meta
│ └── main.yml
├── tasks
│ └── main.yml
├── templates
├── tests
│ ├── inventory
│ └── test.yml
└── vars
 └── main.yml

9 directories, 8 files
ubuntu@ip-172-31-44-38:~/ansible2/roles\$

group_vars
playbook6_blocks.
playbook5_msgs_c
playbook4_with_ib
playbook3_crt_fldr
playbook2_vars_o
playbook1.yml.sav
playbook1.yml
hosts
file222
file123
ansible.cfg
111

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ip-172-31-44-380%0,27 GB / 0,95 GB0,01 Mb/s0,00 Mb/s145 minubuntu/: 31% /boot/efi: 5%

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1-Working

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SessionServersToolsGamesSessionsViewSplitMultiExecTunnelingPackagesSettingsHelp

X serverExit

Qu3. 1-Working

ubuntu@ip-172-31-44-38:~/ansible2\$ cat playbook1.yml

- name: Testing
 hosts: SERVER
 become: yes

 roles:
 - deploy_apache_web
ubuntu@ip-172-31-44-38:~/ansible2\$

ip-172-31-44-380%0,27 GB / 0,95 GB0,01 Mb/s0,00 Mb/s158 minubuntu/: 31% /boot/efi: 5%

8 Playbook with role

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