```
Last login: Sat Dec  3 21:16:31 on ttys000
vinitraj@VINITs-MacBook-Pro ~ % cd Downloads
vinitraj@VINITs-MacBook-Pro Downloads % ssh -i "ansible.pem" ubuntu@ec2-13-233-10-206.ap-south-1.compute.amazonaws.com
The authenticity of host 'ec2-13-233-10-206.ap-south-1.compute.amazonaws.com (13.233.10.206)' can't be established.
ED25519 key fingerprint is SHA256:yp6Adar3Skq6DurvH7tvHwyQVpBlawb9aLsd8QyafG8.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added 'ec2-13-233-10-206.ap-south-1.compute.amazonaws.com' (ED25519) to the list of known hosts.
Welcome to Ubuntu 22.04.1 LTS (GNU/Linux 5.15.0-1026-aws x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:     https://landscape.canonical.com
 * Support:        https://ubuntu.com/advantage

  System information as of Sat Dec  3 15:59:35 UTC 2022

  System load:  0.76416015625    Processes:             103
  Usage of /:   19.7% of 7.57GB  Users logged in:       0
  Memory usage: 21%              IPv4 address for eth0: 172.31.36.22
  Swap usage:   0%


0 updates can be applied immediately.


To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

ubuntu@ip-172-31-36-22:~$ sudo su - root
root@ip-172-31-36-22:~# dpkg --list dialog
Desired=Unknown/Install/Remove/Purge/Hold
| Status=Not/Inst/Conf-files/Unpacked/halF-conf/Half-inst/trig-aWait/Trig-pend
|/ Err?=(none)/Reinst-required (Status,Err: uppercase=bad)
||/ Name           Version      Architecture Description
+++-==============-============-============-=================================
un  dialog         <none>       <none>       (no description available)
root@ip-172-31-36-22:~# apt - get update
E: Invalid operation get
root@ip-172-31-36-22:~# apt-get update
Hit:1 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy InRelease
Get:2 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy-updates InRelease [114 kB]
Get:3 http://security.ubuntu.com/ubuntu jammy-security InRelease [110 kB]
Get:4 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy-backports InRelease [99.8 kB]
Get:5 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy/universe amd64 Packages [14.1 MB]
Get:6 http://security.ubuntu.com/ubuntu jammy-security/main amd64 Packages [521 kB]
Get:7 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy/universe Translation-en [5652 kB]
Get:8 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy/universe amd64 c-n-f Metadata [286 kB]
Get:9 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy/multiverse amd64 Packages [217 kB]
Get:10 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy/multiverse Translation-en [112 kB]
Get:11 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy/multiverse amd64 c-n-f Metadata [8372 B]
Get:12 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/main amd64 Packages [755 kB]
Get:13 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/main Translation-en [169 kB]
Get:14 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/main amd64 c-n-f Metadata [11.3 kB]
Get:15 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/restricted amd64 Packages [484 kB]
Get:16 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/restricted Translation-en [74.2 kB]
Get:17 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/restricted amd64 c-n-f Metadata [532 B]
Get:18 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/universe amd64 Packages [761 kB]
Get:19 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/universe Translation-en [128 kB]
Get:20 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/universe amd64 c-n-f Metadata [14.0 kB]
Get:21 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/multiverse amd64 Packages [7328 B]
Get:22 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/multiverse Translation-en [2432 B]
Get:23 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/multiverse amd64 c-n-f Metadata [420 B]
Get:24 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/main amd64 Packages [3008 B]
Get:25 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/main Translation-en [1432 B]
Get:26 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/main amd64 c-n-f Metadata [272 B]
Get:27 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/restricted amd64 c-n-f Metadata [116 B]
Get:28 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/universe amd64 Packages [6736 B]
Get:29 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/universe Translation-en [9460 B]
Get:30 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/universe amd64 c-n-f Metadata [348 B]
Get:31 http://ap-south-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 [112 kB]
Get:33 http://security.ubuntu.com/ubuntu jammy-security/main amd64 c-n-f Metadata [7200 B]
Get:34 http://security.ubuntu.com/ubuntu jammy-security/restricted amd64 Packages [447 kB]
Get:35 http://security.ubuntu.com/ubuntu jammy-security/restricted Translation-en [68.7 kB]
Get:36 http://security.ubuntu.com/ubuntu jammy-security/restricted amd64 c-n-f Metadata [532 B]
Get:37 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 Packages [622 kB]
Get:38 http://security.ubuntu.com/ubuntu jammy-security/universe Translation-en [81.5 kB]
Get:39 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 c-n-f Metadata [11.0 kB]
Get:40 http://security.ubuntu.com/ubuntu jammy-security/multiverse amd64 Packages [4268 B]
Get:41 http://security.ubuntu.com/ubuntu jammy-security/multiverse Translation-en [972 B]
Get:42 http://security.ubuntu.com/ubuntu jammy-security/multiverse amd64 c-n-f Metadata [228 B]
Fetched 25.0 MB in 5s (5145 kB/s)
Reading package lists... Done
root@ip-172-31-36-22:~# apt-get install ansible
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  ieee-data python3-argcomplete python3-dnspython python3-jmespath python3-kerberos python3-libcloud python3-lockfile python3-netaddr python3-ntlm-auth
  python3-packaging python3-pycryptodome python3-requests-kerberos python3-requests-ntlm python3-requests-toolbelt python3-selinux python3-simplejson
  python3-winrm python3-xmltodict
Suggested packages:
  cowsay sshpass python3-sniffio python3-trio python-lockfile-doc ipython3 python-netaddr-docs
The following NEW packages will be installed:
  ansible ieee-data python3-argcomplete python3-dnspython python3-jmespath python3-kerberos python3-libcloud python3-lockfile python3-netaddr python3-ntlm-auth
  python3-packaging python3-pycryptodome python3-requests-kerberos python3-requests-ntlm python3-requests-toolbelt python3-selinux python3-simplejson
  python3-winrm python3-xmltodict
0 upgraded, 19 newly installed, 0 to remove and 0 not upgraded.
Need to get 22.9 MB of archives.
After this operation, 243 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy/main amd64 python3-packaging all 21.3-1 [30.7 kB]
Get:2 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy/main amd64 python3-pycryptodome amd64 3.11.0+dfsg1-3build1 [1027 kB]
Get:3 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy/main amd64 python3-dnspython all 2.1.0-1ubuntu1 [123 kB]
Get:4 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy/main amd64 ieee-data all 20210605.1 [1887 kB]
```

```
Get:5 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy/main amd64 python3-netaddr all 0.8.0-2 [309 kB]
Get:6 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy/universe amd64 ansible all 2.10.7+merged+base+2.10.8+dfsg-1 [17.5 MB]
Get:7 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy/universe amd64 python3-argcomplete all 1.8.1-1.5 [27.2 kB]
Get:8 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy/main amd64 python3-jmespath all 0.10.0-1 [21.7 kB]
Get:9 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy/universe amd64 python3-kerberos amd64 1.1.14-3.1build5 [23.0 kB]
Get:10 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy/main amd64 python3-lockfile all 1:0.12.2-2.2 [14.6 kB]
Get:11 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy/main amd64 python3-simplejson amd64 3.17.6-1build1 [54.7 kB]
Get:12 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy/universe amd64 python3-libcloud all 3.2.0-2 [1554 kB]
Get:13 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy/universe amd64 python3-ntlm-auth all 1.4.0-1 [20.4 kB]
Get:14 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy/universe amd64 python3-requests-kerberos all 0.12.0-2 [11.9 kB]
Get:15 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy/universe amd64 python3-requests-ntlm all 1.1.0-1.1 [6160 B]
Get:16 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy/main amd64 python3-requests-toolbelt all 0.9.1-1 [38.0 kB]
Get:17 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy/universe amd64 python3-selinux amd64 3.3-1build2 [159 kB]
Get:18 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy/universe amd64 python3-xmltodict all 0.12.0-2 [12.6 kB]
Get:19 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy/universe amd64 python3-winrm all 0.3.0-2 [21.7 kB]
Fetched 22.9 MB in 20s (1134 kB/s)
Selecting previously unselected package python3-packaging.
(Reading database ... 63911 files and directories currently installed.)
Preparing to unpack .../00-python3-packaging_21.3-1_all.deb ...
Unpacking python3-packaging (21.3-1) ...
Selecting previously unselected package python3-pycryptodome.
Preparing to unpack .../01-python3-pycryptodome_3.11.0+dfsg1-3build1_amd64.deb ...
Unpacking python3-pycryptodome (3.11.0+dfsg1-3build1) ...
Selecting previously unselected package python3-dnspython.
Preparing to unpack .../02-python3-dnspython_2.1.0-1ubuntu1_all.deb ...
Unpacking python3-dnspython (2.1.0-1ubuntu1) ...
Selecting previously unselected package ieee-data.
Preparing to unpack .../03-ieee-data_20210605.1_all.deb ...
Unpacking ieee-data (20210605.1) ...
Selecting previously unselected package python3-netaddr.
Preparing to unpack .../04-python3-netaddr_0.8.0-2_all.deb ...
Unpacking python3-netaddr (0.8.0-2) ...
Selecting previously unselected package ansible.
Preparing to unpack .../05-ansible_2.10.7+merged+base+2.10.8+dfsg-1_all.deb ...
Unpacking ansible (2.10.7+merged+base+2.10.8+dfsg-1) ...
Selecting previously unselected package python3-argcomplete.
Preparing to unpack .../06-python3-argcomplete_1.8.1-1.5_all.deb ...
Unpacking python3-argcomplete (1.8.1-1.5) ...
Selecting previously unselected package python3-jmespath.
Preparing to unpack .../07-python3-jmespath_0.10.0-1_all.deb ...
Unpacking python3-jmespath (0.10.0-1) ...
Selecting previously unselected package python3-kerberos.
Preparing to unpack .../08-python3-kerberos_1.1.14-3.1build5_amd64.deb ...
Unpacking python3-kerberos (1.1.14-3.1build5) ...
Selecting previously unselected package python3-lockfile.
Preparing to unpack .../09-python3-lockfile_1%3a0.12.2-2.2_all.deb ...
Unpacking python3-lockfile (1:0.12.2-2.2) ...
Selecting previously unselected package python3-simplejson.
Preparing to unpack .../10-python3-simplejson_3.17.6-1build1_amd64.deb ...
Unpacking python3-simplejson (3.17.6-1build1) ...
Selecting previously unselected package python3-libcloud.
Preparing to unpack .../11-python3-libcloud_3.2.0-2_all.deb ...
Unpacking python3-libcloud (3.2.0-2) ...
Selecting previously unselected package python3-ntlm-auth.
Preparing to unpack .../12-python3-ntlm-auth_1.4.0-1_all.deb ...
Unpacking python3-ntlm-auth (1.4.0-1) ...
Selecting previously unselected package python3-requests-kerberos.
Preparing to unpack .../13-python3-requests-kerberos_0.12.0-2_all.deb ...
Unpacking python3-requests-kerberos (0.12.0-2) ...
Selecting previously unselected package python3-requests-ntlm.
Preparing to unpack .../14-python3-requests-ntlm_1.1.0-1.1_all.deb ...
Unpacking python3-requests-ntlm (1.1.0-1.1) ...
Selecting previously unselected package python3-requests-toolbelt.
Preparing to unpack .../15-python3-requests-toolbelt_0.9.1-1_all.deb ...
Unpacking python3-requests-toolbelt (0.9.1-1) ...
Selecting previously unselected package python3-selinux.
Preparing to unpack .../16-python3-selinux_3.3-1build2_amd64.deb ...
Unpacking python3-selinux (3.3-1build2) ...
Selecting previously unselected package python3-xmltodict.
Preparing to unpack .../17-python3-xmltodict_0.12.0-2_all.deb ...
Unpacking python3-xmltodict (0.12.0-2) ...
Selecting previously unselected package python3-winrm.
Preparing to unpack .../18-python3-winrm_0.3.0-2_all.deb ...
Unpacking python3-winrm (0.3.0-2) ...
Setting up python3-lockfile (1:0.12.2-2.2) ...
Setting up python3-requests-toolbelt (0.9.1-1) ...
Setting up python3-ntlm-auth (1.4.0-1) ...
Setting up python3-pycryptodome (3.11.0+dfsg1-3build1) ...
Setting up python3-kerberos (1.1.14-3.1build5) ...
Setting up python3-simplejson (3.17.6-1build1) ...
Setting up python3-xmltodict (0.12.0-2) ...
Setting up python3-packaging (21.3-1) ...
Setting up python3-jmespath (0.10.0-1) ...
Setting up python3-requests-kerberos (0.12.0-2) ...
Setting up ieee-data (20210605.1) ...
Setting up python3-dnspython (2.1.0-1ubuntu1) ...
Setting up python3-selinux (3.3-1build2) ...
Setting up python3-argcomplete (1.8.1-1.5) ...
Setting up python3-requests-ntlm (1.1.0-1.1) ...
Setting up python3-libcloud (3.2.0-2) ...
Setting up python3-netaddr (0.8.0-2) ...
Setting up python3-winrm (0.3.0-2) ...
Setting up ansible (2.10.7+merged+base+2.10.8+dfsg-1) ...
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.
root@ip-172-31-36-22:~# dpkg --list ansible
Desired=Unknown/Install/Remove/Purge/Hold
| Status=Not/Inst/Conf-files/Unpacked/halF-conf/Half-inst/trig-aWait/Trig-pend
|/ Err?=(none)/Reinst-required (Status,Err: uppercase=bad)
||/ Name            Version                    Architecture Description
+++-===============-==========================-============-=================================================================
ii  ansible         2.10.7+merged+base+2.10.8+dfsg-1 all          Configuration management, deployment, and task execution system
root@ip-172-31-36-22:~# ansible -m package -a "name=dialog state=present"
usage: ansible [-h] [--version] [-v] [-b] [--become-method BECOME_METHOD] [--become-user BECOME_USER] [-K] [-i INVENTORY] [--list-hosts] [-l SUBSET]
               [-P POLL_INTERVAL] [-B SECONDS] [-o] [-t TREE] [-k] [--private-key PRIVATE_KEY_FILE] [-u REMOTE_USER] [-c CONNECTION] [-T TIMEOUT]
               [--ssh-common-args SSH_COMMON_ARGS] [--sftp-extra-args SFTP_EXTRA_ARGS] [--scp-extra-args SCP_EXTRA_ARGS] [--ssh-extra-args SSH_EXTRA_ARGS] [-C]
               [--syntax-check] [-D] [-e EXTRA_VARS] [--vault-id VAULT_IDS] [--ask-vault-password | --vault-password-file VAULT_PASSWORD_FILES] [-f FORKS]
               [-M MODULE_PATH] [--playbook-dir BASEDIR] [-a MODULE_ARGS] [-m MODULE_NAME]
               pattern
ansible: error: the following arguments are required: pattern


usage: ansible [-h] [--version] [-v] [-b] [--become-method BECOME_METHOD] [--become-user BECOME_USER] [-K] [-i INVENTORY] [--list-hosts] [-l SUBSET]
               [-P POLL_INTERVAL] [-B SECONDS] [-o] [-t TREE] [-k] [--private-key PRIVATE_KEY_FILE] [-u REMOTE_USER] [-c CONNECTION] [-T TIMEOUT]
               [--ssh-common-args SSH_COMMON_ARGS] [--sftp-extra-args SFTP_EXTRA_ARGS] [--scp-extra-args SCP_EXTRA_ARGS] [--ssh-extra-args SSH_EXTRA_ARGS] [-C]
               [--syntax-check] [-D] [-e EXTRA_VARS] [--vault-id VAULT_IDS] [--ask-vault-password | --vault-password-file VAULT_PASSWORD_FILES] [-f FORKS]
               [-M MODULE_PATH] [--playbook-dir BASEDIR] [-a MODULE_ARGS] [-m MODULE_NAME]
               pattern

Define and run a single task 'playbook' against a set of hosts

positional arguments:
  pattern               host pattern

options:
  --ask-vault-password, --ask-vault-pass
                        ask for vault password
  --list-hosts          outputs a list of matching hosts; does not execute anything else
  --playbook-dir BASEDIR
                        Since this tool does not use playbooks, use this as a substitute playbook directory.This sets the relative path for many features
                        including roles/ group_vars/ etc.
  --syntax-check        perform a syntax check on the playbook, but do not execute it
  --vault-id VAULT_IDS  the vault identity to use
  --vault-password-file VAULT_PASSWORD_FILES, --vault-pass-file VAULT_PASSWORD_FILES
                        vault password file
  --version             show program's version number, config file location, configured module search path, module location, executable location and exit
  -B SECONDS, --background SECONDS
                        run asynchronously, failing after X seconds (default=N/A)
  -C, --check           don't make any changes; instead, try to predict some of the changes that may occur
  -D, --diff            when changing (small) files and templates, show the differences in those files; works great with --check
  -M MODULE_PATH, --module-path MODULE_PATH
                        prepend colon-separated path(s) to module library (default=~/.ansible/plugins/modules:/usr/share/ansible/plugins/modules)
  -P POLL_INTERVAL, --poll POLL_INTERVAL
                        set the poll interval if using -B (default=15)
  -a MODULE_ARGS, --args MODULE_ARGS
                        module arguments
  -e EXTRA_VARS, --extra-vars EXTRA_VARS
                        set additional variables as key=value or YAML/JSON, if filename prepend with @
  -f FORKS, --forks FORKS
                        specify number of parallel processes to use (default=5)
  -h, --help            show this help message and exit
  -i INVENTORY, --inventory INVENTORY, --inventory-file INVENTORY
                        specify inventory host path or comma separated host list. --inventory-file is deprecated
  -l SUBSET, --limit SUBSET
                        further limit selected hosts to an additional pattern
  -m MODULE_NAME, --module-name MODULE_NAME
                        module name to execute (default=command)
  -o, --one-line        condense output
  -t TREE, --tree TREE  log output to this directory
  -v, --verbose         verbose mode (-vvv for more, -vvvv to enable connection debugging)

Privilege Escalation Options:
  control how and which user you become as on target hosts

  --become-method BECOME_METHOD
                        privilege escalation method to use (default=sudo), use `ansible-doc -t become -l` to list valid choices.
  --become-user BECOME_USER
                        run operations as this user (default=root)
  -K, --ask-become-pass
                        ask for privilege escalation password
  -b, --become          run operations with become (does not imply password prompting)

Connection Options:
  control as whom and how to connect to hosts

  --private-key PRIVATE_KEY_FILE, --key-file PRIVATE_KEY_FILE
                        use this file to authenticate the connection
  --scp-extra-args SCP_EXTRA_ARGS
                        specify extra arguments to pass to scp only (e.g. -l)
  --sftp-extra-args SFTP_EXTRA_ARGS
                        specify extra arguments to pass to sftp only (e.g. -f, -l)
  --ssh-common-args SSH_COMMON_ARGS
                        specify common arguments to pass to sftp/scp/ssh (e.g. ProxyCommand)
  --ssh-extra-args SSH_EXTRA_ARGS
                        specify extra arguments to pass to ssh only (e.g. -R)
  -T TIMEOUT, --timeout TIMEOUT
                        override the connection timeout in seconds (default=10)
  -c CONNECTION, --connection CONNECTION
                        connection type to use (default=smart)
  -k, --ask-pass        ask for connection password
  -u REMOTE_USER, --user REMOTE_USER
                        connect as this user (default=None)

Some modules do not make sense in Ad-Hoc (include, meta, etc)
 root@ip-172-31-36-22:~# ansible localhost -m package -a "name=dialog state=present"
[WARNING]: No inventory was parsed, only implicit localhost is available
localhost | CHANGED => {
    "cache_update_time": 1670083240,
    "cache_updated": false,
    "changed": true,
```

```
    "stderr": "",
    "stderr_lines": [],
    "stdout": "Reading package lists...\nBuilding dependency tree...\nReading state information...\nThe following NEW packages will be installed:\n  dialog\n0 upg
raded, 1 newly installed, 0 to remove and 0 not upgraded.\nNeed to get 303 kB of archives.\nAfter this operation, 1258 kB of additional disk space will be used.\n
Get:1 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy/universe amd64 dialog amd64 1.3-20211214-1 [303 kB]\nFetched 303 kB in 2s (171 kB/s)\nSelecting previo
usly unselected package dialog.\r\n(Reading database ... \r(Reading database ... 5%\r(Reading database ... 10%\r(Reading database ... 15%\r(Reading database ... 2
0%\r(Reading database ... 25%\r(Reading database ... 30%\r(Reading database ... 35%\r(Reading database ... 40%\r(Reading database ... 45%\r(Reading database ... 5
0%\r(Reading database ... 55%\r(Reading database ... 60%\r(Reading database ... 65%\r(Reading database ... 70%\r(Reading database ... 75%\r(Reading database ... 8
0%\r(Reading database ... 85%\r(Reading database ... 90%\r(Reading database ... 95%\r(Reading database ... 100%\r(Reading database ... 102369 files and directorie
s currently installed.)\r\nPreparing to unpack .../dialog_1.3-20211214-1_amd64.deb ...\r\nUnpacking dialog (1.3-20211214-1) ...\r\nSetting up dialog (1.3-20211214
-1) ...\r\nProcessing triggers for man-db (2.10.2-1) ...\r\nNEEDRESTART-VER: 3.5\nNEEDRESTART-KCUR: 5.15.0-1026-aws\nNEEDRESTART-KEXP: 5.15.0-1026-aws\nNEEDRESTAR
T-KSTA: 1\n",
    "stdout_lines": [
        "Reading package lists...",
        "Building dependency tree...",
        "Reading state information...",
        "The following NEW packages will be installed:",
        "  dialog",
        "0 upgraded, 1 newly installed, 0 to remove and 0 not upgraded.",
        "Need to get 303 kB of archives.",
        "After this operation, 1258 kB of additional disk space will be used.",
        "Get:1 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy/universe amd64 dialog amd64 1.3-20211214-1 [303 kB]",
        "Fetched 303 kB in 2s (171 kB/s)",
        "Selecting previously unselected package dialog.",
        "(Reading database ... ",
        "(Reading database ... 5%",
        "(Reading database ... 10%",
        "(Reading database ... 15%",
        "(Reading database ... 20%",
        "(Reading database ... 25%",
        "(Reading database ... 30%",
        "(Reading database ... 35%",
        "(Reading database ... 40%",
        "(Reading database ... 45%",
        "(Reading database ... 50%",
        "(Reading database ... 55%",
        "(Reading database ... 60%",
        "(Reading database ... 65%",
        "(Reading database ... 70%",
        "(Reading database ... 75%",
        "(Reading database ... 80%",
        "(Reading database ... 85%",
        "(Reading database ... 90%",
        "(Reading database ... 95%",
        "(Reading database ... 100%",
        "(Reading database ... 102369 files and directories currently installed.)",
        "Preparing to unpack .../dialog_1.3-20211214-1_amd64.deb ...",
        "Unpacking dialog (1.3-20211214-1) ...",
        "Setting up dialog (1.3-20211214-1) ...",
        "Processing triggers for man-db (2.10.2-1) ...",
        "NEEDRESTART-VER: 3.5",
        "NEEDRESTART-KCUR: 5.15.0-1026-aws",
        "NEEDRESTART-KEXP: 5.15.0-1026-aws",
        "NEEDRESTART-KSTA: 1"
    ]
}
root@ip-172-31-36-22:~# dpkg --list dialog
Desired=Unknown/Install/Remove/Purge/Hold
| Status=Not/Inst/Conf-files/Unpacked/halF-conf/Half-inst/trig-aWait/Trig-pend
|/ Err?=(none)/Reinst-required (Status,Err: uppercase=bad)
||/ Name           Version        Architecture Description
+++-==============-==============-============-=========================================================
ii  dialog         1.3-20211214-1 amd64        Displays user-friendly dialog boxes from shell scripts
root@ip-172-31-36-22:~# ansible localhost -m package -a "name=dialog state=absent"
[WARNING]: No inventory was parsed, only implicit localhost is available
localhost | CHANGED => {
    "changed": true,
    "stderr": "",
    "stderr_lines": [],
    "stdout": "Reading package lists...\nBuilding dependency tree...\nReading state information...\nThe following packages will be REMOVED:\n  dialog\n0 upgraded,
 0 newly installed, 1 to remove and 0 not upgraded.\nAfter this operation, 1258 kB disk space will be freed.\n(Reading database ... \r(Reading database ... 5%\r(R
eading database ... 10%\r(Reading database ... 15%\r(Reading database ... 20%\r(Reading database ... 25%\r(Reading database ... 30%\r(Reading database ... 35%\r(R
eading database ... 40%\r(Reading database ... 45%\r(Reading database ... 50%\r(Reading database ... 55%\r(Reading database ... 60%\r(Reading database ... 65%\r(R
eading database ... 70%\r(Reading database ... 75%\r(Reading database ... 80%\r(Reading database ... 85%\r(Reading database ... 90%\r(Reading database ... 95%\r(R
eading database ... 100%\r(Reading database ... 102524 files and directories currently installed.)\r\nRemoving dialog (1.3-20211214-1) ...\r\nProcessing triggers
for man-db (2.10.2-1) ...\r\n",
    "stdout_lines": [
        "Reading package lists...",
        "Building dependency tree...",
        "Reading state information...",
        "The following packages will be REMOVED:",
        "  dialog",
        "0 upgraded, 0 newly installed, 1 to remove and 0 not upgraded.",
        "After this operation, 1258 kB disk space will be freed.",
        "(Reading database ... ",
        "(Reading database ... 5%",
        "(Reading database ... 10%",
        "(Reading database ... 15%",
        "(Reading database ... 20%",
        "(Reading database ... 25%",
        "(Reading database ... 30%",
        "(Reading database ... 35%",
        "(Reading database ... 40%",
        "(Reading database ... 45%",
        "(Reading database ... 50%",
        "(Reading database ... 55%",
        "(Reading database ... 60%",
        "(Reading database ... 65%",
        "(Reading database ... 70%",
        "(Reading database ... 75%",
        "(Reading database ... 80%",
        "(Reading database ... 85%",
        "(Reading database ... 90%",
        "(Reading database ... 95%",
        "(Reading database ... 100%",
```

```
            "(Reading database ... 102524 files and directories currently installed.)",
            "Removing dialog (1.3-20211214-1) ...",
            "Processing triggers for man-db (2.10.2-1) ..."
        ]
}
root@ip-172-31-36-22:~# ansible localhost -m package -a "name=dialog state=absent"
[WARNING]: No inventory was parsed, only implicit localhost is available
localhost | SUCCESS => {
    "changed": false
}
root@ip-172-31-36-22:~# echo hello
hello
root@ip-172-31-36-22:~# echo "The green output is Idempotent."
The green output is Idempotent.
root@ip-172-31-36-22:~# echo "The non green output is the proof that the desired state is changed and achieved."
The non green output is the proof that the desired state is changed and achieved.
root@ip-172-31-36-22:~#
```