

ansible::==>

in rhel 8

1) first configure yum command

2) need of ansible python3 > python3.6

3) pip3.9 install ansible

or

1) sudo dnf install https://dl.fedoraproject.org/pub/epel/epel-release-latest-8.noarch.rpm

1.1) sudo dnf update

2) yum install ansible

```
Some actions do not make sense in Ad-Hoc (include, meta, etc)
[root@localhost krish]# ansible all --list-hosts
bash: ansible: command not found...
[root@localhost krish]# ansible all --list-hosts
[WARNING]: No inventory was parsed, only implicit localhost is available
[WARNING]: provided hosts list is empty, only localhost is available
'all'
hosts (0):
[root@localhost krish]#
```

inventory=database

check inventory lists

zero $\frac{6}{17}$

```
hosts (0):
[root@localhost ~]# vi /etc/ansible/hosts
[root@localhost ~]#
```

like $\frac{6}{17}$ system and details

```
192.168.142.133
|
15
02 # 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
-- INSERT --
```

```
[root@localhost ~]# ansible all --list-hosts
[WARNING]: provided hosts list is empty, only localhost is available
not match 'all'
hosts (0):
[root@localhost ~]# vi /etc/ansible/hosts
[root@localhost ~]# vi /etc/ansible/hosts
[root@localhost ~]# ansible all --list-hosts
hosts (1):
192.168.142.133
[root@localhost ~]#
```

```
ansible all -m package -a "name=httpd state=install"
```

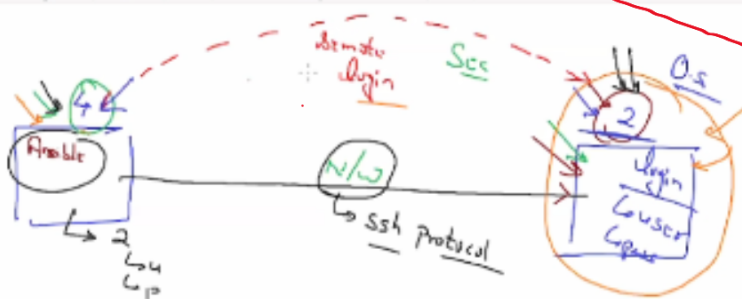
module

Package

argument

package name

```
[root@localhost ~]# ansible all -m package -a "name=httpd state=install"
The authenticity of host '192.168.142.133 (192.168.142.133)' can't be established.
ECDSA key fingerprint is SHA256:YwmlGkV+tCXlly5GJ584//VHTV9X2SwX603gbk3uhAQ.
Are you sure you want to continue connecting (yes/no)? yes
192.168.142.133 | UNREACHABLE! => {
  "changed": false,
  "msg": "Failed to connect to the host via ssh: Warning: Permanently added '192.168.142.133' (ECDSA) to the list of known hosts.\r\nroot@192.168.142.133: Permission denied (publickey,gssapi-keyex,gssapi-with-mic,password).",
  "unreachable": true
}
```



need password

ansible inventory

```
192.168.142.133 ansible_user=root ansible_password=414141
```

```
192.168.142.133 ansible_user=root ansible_password=414141
[root@localhost ~]# ansible all -m package -a "name=httpd state=installed"
192.168.142.133 | CHANGED => {
  "ansible_facts": {
    "discovered_interpreter_python": "/usr/libexec/platform-python"
  },
  "changed": true,
  "msg": "",
  "rc": 0,
  "results": [
    "Installed: apr-util-openssl-1.6.1-6.el8.x86_64",
    "Installed: httpd-tools-2.4.37-10.module+el8+2764+7127e69e.x86_64",
    "Installed: httpd-2.4.37-10.module+el8+2764+7127e69e.x86_64",
    "Installed: mod_http2-1.11.3-1.module+el8+2443+605475b7.x86_64",
    "Installed: httpd-filesystem-2.4.37-10.module+el8+2764+7127e69e.noarch",
    "Installed: apr-1.6.3-9.el8.x86_64",
    "Installed: redhat-logos-httpd-88.7-1.el8.noarch",
  ]
}
```

→ install of complete.

```
[root@localhost ~]# ansible all -m package -a "name=httpd state=installed"
192.168.142.133 | SUCCESS => {
  "ansible_facts": {
    "discovered_interpreter_python": "/usr/libexec/platform-python"
  },
  "changed": false,
  "msg": "Nothing to do",
  "rc": 0,
  "results": []
}
[root@localhost ~]#
```

→ दो बार install हो चुका है

2:00 (TH)

→ es type ki syntax aur ad hoc command use karne hai

```
New Text Document.txt - Notepad
File Edit Format View Help
configure webserver :

step1:
what: install :httpd
how : yum install httpd

setp 2:
what: copy web page/site: deploy
how:cp web.html /var/www/html

setp3:
what : start service
how: systemctl start httpd

step:4
what : allow firewall
how:iptables --
```

→ Step -1
आपने सारे

Steps को
लिखो

→ Step 2
es Step को
दिखाइए

System पर
test कर लो

→ google search ⇒ ansible install packages,
ansible service, ansible
copy,
ansible firewall

```
File Edit Format View Help
how : yum install httpd

ansible:
# ansible all -m package -a "name=httpd state=present"

setp 2:
what: copy web page/site: deploy
how: cp web.html /var/www/html

ansible:
# ansible all -m copy -a "dest=/var/www/web.html src=/web.html"

setp3:
what : start service
how: systemctl start httpd

ansible :

# ansible all -m service -a "name=httpd state=started"

step:4
what : allow firewall
how: iptables --

ansible:

# ansible all -m firewallld -a "immediate=yes port=80/tcp state=enabled"
```

```
}
[root@localhost ~]# ansible all -m firewallld -a "immediate=yes port=80/tcp state=enabled"
192.168.142.133 | FAILED! => {
  "msg": "The module firewallld was redirected to ansible.posix.firewalld, which could not be loaded."
}
```

ERROR! Unable to find a match

```
[root@localhost ~]# ansible-galaxy collection install ansible.posix
starting galaxy collection install process
process install dependency map
```

<https://galaxy.ansible.com/ansible/posix>

