ANSIBLE

```
_ 0 🛚
                                                              root@master:~
          cd /etc/ansible/
           vim ansible.cfg
          vim hosts
     76
          history
          ansible all -m ping
ansible all -m user -a "name=saikiran uid=12345 state=present"
ansible all -m user -a "name=saikiran state=absent"
     77
          ansible all -m command -a "/usr/bin/master"
ansible all -m command -a "/usr/bin/hostname"
ansible all -m file -a "dest=/h1 mode=600 state=touch"
ansible all -m file -a "dest=/h1 mode=600 state=diirectory""
     80
     81
     83
          ansible all -m file -a "dest=/h1 mode=600 state=directory
     84
          ansible all -m file -a "dest=/root/saikiran state=directory" ansible all -m file -a "dest=/h1 state=absent" ansible all -m file -a "dest=/root/saikiran state=absent"
     85
     87
     88
           ls
          ansible all -m copy -a "src=test dest=/tmp"
     89
           ansible all -m yum -a name=autofs state=present" ansible all -m yum -a "name=autofs state=present"
     91
           ansible all -m yum -a "name=autofs state=absent"
           ansible all -m ping
     93
          ansible all -m service -a "name=httpd state=started enabled=yes" ansible all -m service -a "name=autofs state=started enabled=yes"
          ansible all -m yum -a "name=autofs state=present"
          ansible all -m service -a "name=autofs state=started enabled=yes" ansible all -m service -a "name=autofs state=restarted enabled=yes" ansible all -m service -a "name=autofs state=stopped"
     97
          ansible all -m shell -a "df -Th"
          ansible all -m shell -a "free -m"
   101
   102 ansible all -m shell -a "uptime"
103 ansible db -m grt_url -a "url=htt
      "name": "saikiran",
      "remove": false,
   104 ansible db -m copy -a "src=/etc/hosts dest=/tmp/hosts"
105 ansible db -m file -a "dest=/tmp/hosts mode=777 owner=test"
106 ansible db -m shell -a "cat /proc/meminfo|head -2"
          ansible db -m shell -a "cat /etc/passwd|grep -i test"
   107
   108 ansible db -m copy -a "src=/etc/hosts dest=/tmp/hosts"
109 ansible db -m shell -a "cat /proc/meminfo|head -2"
          ansible db -a "df -h"
   110
            ansible db -m copy -a "src=~/Downloads/index.html dest=/var/www/html owner=a
pache group=apache mode=0644'
112 ansible db -m get_url -a "url=https://nodejs.org/dist/v14.17.4/node-v14.17.4-linux-x64.tar.xz dest=/tmp mode=0755"
   113 history
[root@master ~]#
```

```
root@master:~
         3/3 \n\nInstalled:\n autofs.x86_64 1:5.0.7-116.el7_9 \n\nDependency Installed:\n hesiod.x86_64 0:3.2. libtirpc.x86_64 0:0.2.4-0.16.el7 \n\nComplete!\n"
-3.el7
.
172.16.0.129 | CHANGED => {
    "ansible_facts": {
      "discovered_interpreter_python": "/usr/bin/python"
   },
"changed": true,
"changes": {
      nges": {
"installed": [
          "autofs"
    'msg": "",
'rc": 0,
==\n Package
                                                                Re
                              Arch
                                         Version
           Size\n===
 ository
             1:5.0.7-116.el
           updates
 9
                                                  30 k\n libtirpc
              3.2.1-3.e17
  x86 64
                                     base
   x86_64
               0.2.4-0.16.el7
                                                   89 k\n\nTransactio
                                      base
\nTotal
                                              \nRunning transaction che
                     155 kB/s | 953 kB 00:06
ck\nRunning transaction test\nTransaction test succeeded\nRunning transaction\n
[root@master ~]#
```

```
root@master:~
 [root@master ~]# ansible all -m yum -a "name=autofs state=present"
[root@master ~]# ansible all -m yum -a "hame=autors state=present"
172.16.0.130 | UNREACHABLE! => {
    "changed": false,
    "msg": "Failed to connect to the host via ssh: ssh: connect to host 172.16.0
.130 port 22: No route to host",
    "unreachable": true
 72.16.0.129 | UNREACHABLE! => {
 "changed": false,
"msg": "Failed to connect to the host via ssh: ssh: connect to host 172.16.0

129 port 22: No route to host",
"unreachable": true
[root@master ~]# ansible all -m yum -a "name=autofs state=present"
172.16.0.130 | CHANGED => {
    "ansible_facts": {
                "discovered_interpreter_python": "/usr/bin/python"
       },
"changed": true,
"changes": {
    "installed": [
                        "autofs"
        "msg": "",
"rc": 0,
         results": [
                "Loaded plugins: fastestmirror\nLoading mirror speeds from cached hostfi
"Loaded plugins: fastestmirror\nLoading mirror speeds from cached hostfile\n * base: centos.mirrors.estointernet.in\n * extras: centos.mirrors.estointernet.in\n * updates: centos.mirrors.estointernet.in\nResolving Dependencies\n--> Running transaction check\n---> Package autofs.x86_64 1:5.0.7-116.el7_9 will be installed\n--> Processing Dependency: libtirpc.so.1() (64bit) for package: 1:autofs-5.0.7-116.el7_9.x86_64\n--> Processing Dependency: libhesiod.so.0() (64bit) for package: 1:autofs-5.0.7-116.el7_9.x86_64\n--> Running transaction check\n---> Package hesiod.x86_64 0:3.2.1-3.el7 will be installed\n--> Package libtirpc.x86_64 0:0.2.4-0.16.el7 will be installed\n--> Finished Dependency Resolution\n\nDe
  endencies Resolved\n\n==
                                       ====\n Package
Size\n======
                                                                                   Arch
                                                                                                               Version
                                               116.el7_9
                                       updates
                                                                                                                                     30 k\n libtir
                 x86 64
                                             3.2.1-3.el7
                                                                                                     base
                   x86 64
                                               0.2.4-0.16.el7
                                                                                                       base
                                                                                                                                       89 k\n\nTran
 saction Summary\n==
\nTotal
1.5 MB/s | 953 kB 00:00 \nRunning transaction check\nRunning transaction test\nTransaction test succeeded\nRunning transact
ion\n Installing : hesiod-3.2.1-3.el7.x86_64
1/3 \n Installing : libtirpc-0.2.4-0.16.el7.x86_64
2/3 \n Installing : 1:autofs-5.0.7-116.el7_9.x86_64
```

```
root@master:~
[root@master ~] # ansible all -m file -a "dest=/root/saikiran state=directory"
172.16.0.129 | CHANGED => {
    "ansible_facts": {
        "discovered_interpreter_python": "/usr/bin/python"
     },
"changed": true,
"gid": 0,
"group": "root",
"mode": "0755",
"owner": "root",
"path": "/root/saikiran",
"secontext": "unconfined_u:object_r:admin_home_t:s0",
"stron": 6
      "size": 6,
"state": "directory",
      "uid": 0
172.16.0.130 | CHANGED => {
    "ansible_facts": {
            "discovered_interpreter_python": "/usr/bin/python"
     },
"changed": true,
"gid": 0,
"group": "root",
"mode": "0755",
"owner": "root",
      "path": "/root/saikiran",
"secontext": "unconfined_u:object_r:admin_home_t:s0",
      "size": 6,
"state": "directory",
"uid": 0
[root@master ~]# ansible all -m file -a "dest=/h1 state=absent"
},
"changed": true,
"path": "/h1",
"state": "absent"
,
172.16.0.130 | CHANGED => {
    "ansible_facts": {
            "discovered_interpreter_python": "/usr/bin/python"
      },
"changed": true,
"path": "/h1",
"state": "absent"
[root@master ~]#
```

```
root@master:~
         "append": false,
"changed": true,
"comment": "saikiran",
"group": 1000,
"home": "/home/saikiran",
"move home": false,
"name": "saikiran",
"shell": "/bin/bash",
"state": "present",
"uid": 12345
172.16.0.130 | CHANGED => {
    "ansible_facts": {
        "discovered_interpreter_python": "/usr/bin/python"
         "append": false,
"changed": true,
"comment": "saikiran",
"group": 1000,
"home": "/home/saikiran",
"move_home": false,
"name": "saikiran",
"shell": "/bin/bash",
"state": "present",
"uid": 12345
[root@master ~]# ansible all -m user -a "name=saikiran state=absent"
172.16.0.130 | CHANGED => {
    "ansible_facts": {
                    "discovered_interpreter_python": "/usr/bin/python"
          },
"changed": true,
"force": false,
"name": "saikiran",
"remove": false,
"state": "absent"
172.16.0.129 | CHANGED => {
    "ansible_facts": {
                     "discovered_interpreter_python": "/usr/bin/python"
          },
"changed": true,
"force": false,
```

```
root@master:~
[root@master ~]# ansible all -m file -a "dest=/root/saikiran state=absent"
172.16.0.130 | CHANGED => {
    "ansible_facts": {
          "discovered_interpreter_python": "/usr/bin/python"
     },
"changed": true,
"path": "/root/saikiran",
"state": "absent"
172.16.0.129 | CHANGED => {
    "ansible_facts": {
         "discovered interpreter_python": "/usr/bin/python"
    },
"changed": true,
"path": "/root/saikiran",
"state": "absent"
[root@master ~]# ls
a anaconda-ks.cfg epel-release-latest-7.noarch.rpm project test [root@master ~] # ansible all -m copy -a "src=test dest=/tmp"
172.16.0.130 | SUCCESS => {
    "ansible_facts": {
          "discovered_interpreter_python": "/usr/bin/python"
     },
"changed": false,
    "da39
     "checksum": "da39a3ee5e6b4b0d3255bfef95601890afd80709",
     "dest": "/tmp/test",
    "gid": 0,
"group": "root",
"mode": "0644",
    "owner": "root",
     "path": "/tmp/test",
     "secontext": "unconfined_u:object_r:user_tmp_t:s0",
    "size": 0,
"state": "file",
"uid": 0
172.16.0.129 | CHANGED => {
     "ansible_facts": {
          "discovered_interpreter_python": "/usr/bin/python"
    "gid": 0,
"group": "root",
"md5sum": "d41d8cd98f00b204e9800998ecf8427e",
     "mode": "0644",
"owner": "root",
     "secontext": "unconfined_u:object_r:admin_home_t:s0",
     "size": 0,
     "src": "/root/.ansible/tmp/ansible-tmp-1637760519.66-126716-99812786428632/s
```

```
_ 0 🛚
                                                                                                                                                                                   root@master:~
                                     "WatchdogTimestampMonotonic": "48314757582", "WatchdogUSec": "0"
[root@master ~]# ansible all -m service -a "name=autofs state=stopped"
172.16.0.130 | CHANGED => {
    "ansible_facts": {
                                     "discovered_interpreter_python": "/usr/bin/python"
                },
"changed": true,
"name": "autofs",
"state": "stopped",
"state": "stopped",
    "status": {
        "ActiveEnterTimestamp": "Wed 2021-11-24 23:29:52 IST",
        "ActiveEnterTimestampMonotonic": "48386762202",
        "ActiveExitTimestamp": "Wed 2021-11-24 23:29:52 IST",
        "ActiveExitTimestampMonotonic": "48386266005",
        "ActiveState": "active",
        "After": "basic.target remote-fs.target rpc-statd.service network-online.tar
get sssd.service network.target systemd-journald.socket system.slice ypbind.service
get sssd.service network.target systemd-journald.socket syrpcbind.service",

"AllowIsolate": "no",
"AmbientCapabilities": "0",
"AssertResult": "yes",
"AssertTimestamp": "Wed 2021-11-24 23:29:52 IST",
"AssertTimestampMonotonic": "48386692787",
"Before": "multi-user.target shutdown.target",
"BlockIOAccounting": "no",
"BlockIOWeight": "18446744073709551615",
"CPUAccounting": "no",
"CPUQuotaPerSecUSec": "infinity",
"CPUSchedulingPolicy": "0",
"CPUSchedulingPriority": "0",
"CPUSchedulingResetOnFork": "no",
"CPUShares": "18446744073709551615",
"CanIsolate": "no",
"CanReload": "yes",
                                  "CanIsolate": "no",

"CanReload": "yes",

"CanStart": "yes",

"CanStop": "yes",

"CapabilityBoundingSet": "18446744073709551615",

"ConditionResult": "yes",

"ConditionTimestamp": "Wed 2021-11-24 23:29:52 IST",

"ConditionTimestampMonotonic": "48386692787",

"Conflicts": "shutdown.target",

"ControlGroup": "/system.slice/autofs.service",

"ControlPID": "0",

"DefaultDependencies": "yes",

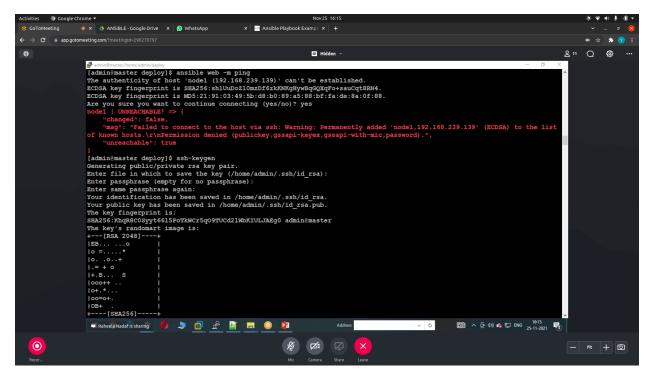
"Delegate": "no",

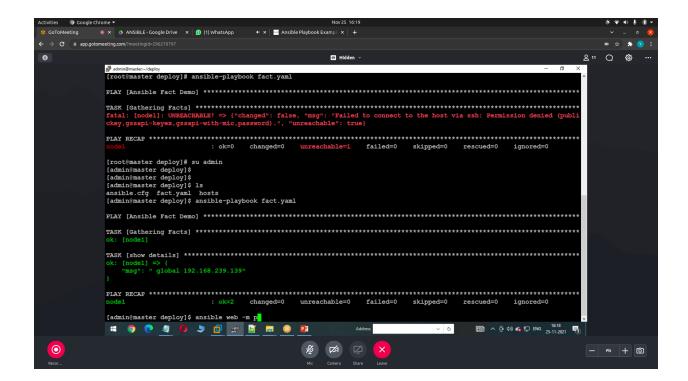
"Description": "Automounts filesystems on demand",

"DevicePolicy": "auto",

"EnvironmentFile": "/etc/sysconfig/autofs (ignore_errors=yes)",

"ExecMainCode": "0",
```





```
_ 0 🛚
                                                                          root@master:~
               "TasksCurrent": "18446744073709551615",

"TasksMax": "18446744073709551615",

"TimeoutStartUsec": "3min",

"TimeoutStopUsec": "3min",

"TimerSlackNsec": "50000",

"Transient": "no",

"Type": "notify",

"UMask": "0022",

"UnitFilePreset": "disabled",

"UnitFilePreset": "disabled",

"UnitFileState": "enabled",

"WantedBy": "multi-user.target",

"Wantes": "network-online.target rpcbind.service rpc-statd.service system.sli
 ce",
               "WatchdogTimestamp": "Wed 2021-11-24 23:29:34 IST", "WatchdogTimestampMonotonic": "15982390113", "WatchdogUSec": "0"
[root@master ~]# ansible all -m shell -a "df -Th"
172.16.0.129 | CHANGED | rc=0 >>
 Filesystem Type
/dev/mapper/centos-root xfs
devtmpfs devtm
tmpfs tmpfs
                                                                  Size
32G
730M
741M
                                                                              Used Avail Use% Mounted on 1.1G 31G 4% /
                                                                                                        4% /
0% /dev
                                              devtmpfs
tmpfs
tmpfs
tmpfs
tmpfs
                                                                                           730M
                                                                                   0
                                                                                          741M
684M
741M
                                                                                    Ö
                                                                                                        0% /dev/shm
tmpfs
                                                                                 57M
                                                                                                      8% /run
0% /sys/fs/cgroup
13% /boot
                                                                   741M
                                                                   741M
                                                                              125M
 dev/sda1
                                                                 1014M
                                                                                          890M
                                                                   149M
                                               tmpfs
                                                                                     0
                                                                                          149M
                                                                                                        0% /run/user/0
 .72.16.0.130 | CHANGED | rc=0 >>
 Filesystem
/dev/mapper/centos-root
devtmpfs
                                              Type
xfs
                                                                   Size
                                                                              Used Avail Use% Mounted on
                                                                                                       4% /
0% /dev
                                                                   32G
730M
                                                                               1.1G
                                                                                           31G
                                               devtmpfs
                                                                                    0
                                                                                           730M
                                               tmpfs
tmpfs
tmpfs
xfs
                                                                                    0
                                                                                                      0% /dev/shm
12% /run
0% /sys/fs/cgroup
13% /boot
 mpfs
mpfs
                                                                   741M
                                                                                           741M
                                                                                           652M
                                                                   741M
                                                                                 89M
                                                                   741M
                                                                                           741M
                                                                                     0
 dev/sda1
                                                                 1014M
                                                                               125M
                                                                                          890M
                                                                                          149M
                                                                   149M
                                                                                     0
                                                                                                        0% /run/user/0
[root@master ~]# ansible all -m shell -a "free -m"
172.16.0.130 | CHANGED | rc=0 >>
                           total
                                                                                                shared
                                                     used
                                                                                                                buff/cache
                                                                                                                                          available
                                                                             free
                             1480
                                                       199
                                                                              877
                                                                                                                              403
 lem:
                                                                                                        88
                                                                                                                                                    1014
 Swap: 2047 0
172.16.0.129 | CHANGED | rc=0 >>
                                                                             2047
                           total
                                                     used
                                                                                                shared
                                                                                                                buff/cache
                                                                                                                                          available
                                                                             free
                                                                             979
2047
                             1480
                                                       161
                                                                                                        56
                                                                                                                              339
                                                                                                                                                    1087
                             2047
                                                          0
[root@master ~]# ansible all -m shell -a "uptime"
172.16.0.130 | CHANGED | rc=0 >>
23:35:02 up 13:31, 3 users, load average: 0.00, 0.02, 0.05
172.16.0.129 | CHANGED | rc=0 >>
23:35:06 up 4:31, 2 users, load average: 0.11, 0.05, 0.05
[root@master ~]# 🗍
```

```
root@master:~
 [root@master ~]# ansible all -m service -a "name=autofs state=started enabled=yes"
 172.16.0.130 | CHANGED
                    "ansible facts": {
                                     "discovered_interpreter_python": "/usr/bin/python"
                  },
"changed": true,
                  "enabled": true,
   "enabled": true,
    "name": "autofs",
    "state": "started",
    "status": {
        "ActiveEnterTimestampMonotonic": "0",
        "ActiveExitTimestampMonotonic": "0",
        "ActiveState": "inactive",
        "After": "ypbind.service basic.target network.target remote-fs.target system.slice sssd.service network-online.target rpcbind.service systemd-journald.socket rpc-stated service"
  "After": "ypbind.service basic.target network.target remote-fs.t.slice sssd.service network-online.target rpcbind.service systemd-journsc-statd.service".

"AllowIsolate": "no",
    "AssertResult": "no",
    "AssertTimestampMonotonic": "0",
    "Before": "shutdown.target",
    "BlockIOAccounting": "no",
    "CPUAccounting": "no",
    "CPUAccounting": "no",
    "CPUSchedulingPolicy": "0",
    "CPUSchedulingPolicy": "0",
    "CPUSchedulingResetOnFork": "no",
    "CPUSchedulingResetOnFork": "no",
    "CanIsolate": "no",
    "CanReload": "yes",
    "CanStop": "yes",
    "CapabilityBoundingSet": "18446744073709551615",
    "ConditionTimestampMonotonic": "0",
    "ConditionTimestampMonotonic": "0",
    "DefaultDependencies": "yes",
    "Delegate": "no",
    "Description": "Automounts filesystems on demand",
    "DevicePolicy": "auto",
    "EnvironmentFile": "/etc/sysconfig/autofs (ignore_errors=yes)",
    "ExecMainCode": "0",
    "ExecMainFID": "0",
    "ExecMainFID": "0",
    "ExecMainFID": "0",
    "ExecMainStatus": "0",
    "ExecMainStatus": "0",
    "ExecMainStatus": "0",
    "ExecMainStatus": "0",
    "ExecMainStatus": "0",
    "ExecResided : "{ path=/usr/bin/kill ; argy[]=/usr/bin/kill -HUP
                         "ExecMainStartTimestampMonotonic . 0 ,

"ExecMainStatus": "0",

"ExecReload": "{ path=/usr/bin/kill ; argv[]=/usr/bin/kill -HUP $MAINPID ; i

_errors=no ; start_time=[n/a] ; stop_time=[n/a] ; pid=0 ; code=(null) ; status=
ŏ/o }<sup>™</sup>,
```

_ _ 🛚 root@master:~ "ProtectSystem": "no",
"RefuseManualStart": "no",
"RefuseManualStop": "no",
"RemainAfterExit": "no",
"Requires": "basic.target",
"Restart": "no",
"RestartUSec": "100ms", "Restart": "no",
"RestartUSec": "100ms",
"RestartUSec": "100ms",
"RootDirectoryStartOnly": "no",
"RuntimeDirectoryMode": "0755",
"SameProcessGroup": "no",
"SemeSIGHUP": "no",
"SeedreBits": "0",
"SendSIGKLL": "yes",
"Slice": "system.slice",
"StandardErrort": "inherit",
"StandardInput": "null",
"StandardOutput": "journal",
"StartLimitDaters": "5",
"StartLimitInterval": "10000000",
"StartLimitInterval": "14446744073709551615",
"StartupBlockIOWeight": "18446744073709551615",
"StartupBlockIOWeight: "18446744073709551615",
"StartupBlockIOWeight: "0",
"StoyNenUnneeded": "no",
"StyslogPrority": "30",
"SyslogLevelPrefix": "yes",
"SyslogLevelPrefix": "0",
"TTYTReset": "no",
"TTYYTOIsallocate": "no",
"TTYYTOIsallocate": "no",
"TTYYTOIsallocate": "no",
"TTSYSANGUPSec": "3min",
"TimeoutStartUsec": "3min",
"TimeoutStartUsec": "50000",
"Translent": "no",
"Type": "notify",
"UMask": "0022",
"UnitFilePreset": "disabled",
"UnitFilePreset": "disabled",
"UnitFilePteset": "disabled",
"UnitFilePteset": "enabled",
"WantedBy": "multi-user.target rpc-statd.service rpcbind.service system.sli
"WatchdogTimestamp": "Wed 2021-11-24 23:28:40 IST",
"WatchdogTimestamp": "Wed 2021-11-24 23:28:40 IST", ce", "WatchdogTimestamp": "Wed 2021-11-24 23:28:40 IST", "WatchdogTimestampMonotonic": "48314757582", "WatchdogUSec": "0" [root@master ~]#