

Lab5- Working with Ansible file module

File module:

1. Create directory on ansible host

ansible node1 -m file -a "dest=/home/devops/YOUR_NAME mode=775 owner=devops group=devops state=directory"

Value: <YOUR_NAME> =use your name
: <node_name> = target node

```
devops@master:~/platform$ ansible node1 -m file -a "dest=/home/devops/lovescloud mode=775 owner=devops group=devops state=directory"
node1 | CHANGED => {
  "changed": true,
  "gid": 1003,
  "group": "devops",
  "mode": "0775",
  "owner": "devops",
  "path": "/home/devops/lovescloud",
  "size": 4096,
  "state": "directory",
  "uid": 1003
}
devops@master:~/platform$
```

2. Let's delete the created Directory.

ansible node1 -m file -a "dest=/home/devops/lovescloud mode=775 owner=devops group=devops state=absent"

```
devops@master:~/platform$ ansible node1 -m file -a "dest=/home/devops/lovescloud mode=775 owner=devops group=devops state=absent"
node1 | CHANGED => {
  "changed": true,
  "path": "/home/devops/lovescloud",
  "state": "absent"
}
devops@master:~/platform$
```

3. Copy file on host machine

Create a file with your_name in Documents
cd /home/devops/Documents

touch yourname.txt #replace highlighted with your name

Source: /home/devops/Documents
Destination: /home/devops/Documents

Now Change you're the Directory to **platform**

**ansible node1 -m copy -a "src=/home/devops/Documents/FileName.txt
dest=/home/devops/Documents"**

```
devops@master:~/platform$ ansible node1 -m copy -a "src=/home/devops/Documents/test_file.txt dest=/home/devops/Documents"
node1 | CHANGED => {
  "changed": true,
  "checksum": "c482e77cdfbc0155c2dc3b4b2aefa1a84f336f72",
  "dest": "/home/devops/Documents/test_file.txt",
  "gid": 1003,
  "group": "devops",
  "md5sum": "4736fb51e0b87f7087a4b84ae51cda1c",
  "mode": "0664",
  "owner": "devops",
  "size": 32,
  "src": "/home/devops/.ansible/tmp/ansible-tmp-1540710406.36-53929903964901/source",
  "state": "file",
  "uid": 1003
}
```

4. Change the Permission of File using File module

**ansible node1 -m file -a "dest=/home/devops/Documents/FileName.txt mode=644"
-b -i hosts**

```

devops@master:~/platform$ ansible node1 -m file -a "dest=/home/devops/Documents
/test_file.txt mode=644" -b -i hosts
node1 | CHANGED => {
    "changed": true,
    "gid": 1003,
    "group": "devops",
    "mode": "0644",
    "owner": "devops",
    "path": "/home/devops/Documents/test_file.txt",
    "size": 32,
    "state": "file",
    "uid": 1003
}
devops@master:~/platform$

```

Deleting files

5. Delete the **testfile.txt** file which we have created in last step

**ansible node1 -m file -a "dest=/home/devops/Documents/<FileName>
state=absent" -b -i hosts**

<FileName> Use file which we created earlier.

```

devops@master:~/platform$ ansible node1 -m file -a "dest=/home/devops/Documents
/test_file.txt state=absent" -b -i hosts
node1 | CHANGED => {
    "changed": true,
    "path": "/home/devops/Documents/test_file.txt",
    "state": "absent"
}
devops@master:~/platform$

```