

Task 3

"Create a file on the Control Node, copy it to the Managed Node, verify its content, modify the file, and sync changes"

1. Create the file and write content on the Control Node

```
[root@192 ~]#  
[root@192 ~]# echo "Hello from control node" > myfile.txt  
[root@192 ~]#  
[root@192 ~]# vim sync_playbook.yaml  
[root@192 ~]#
```

2- Creating a Playbook with the required tasks

```
- name: Sync file to managed node  
hosts: fouad2  
tasks:  
  - name: create directory if not exists  
    file:  
      path: /home/fouad2  
      state: directory  
      mode: '0755'  
  
  - name: copy file to managed node  
    copy:  
      src: /home/fouad/myfile.txt  
      dest: /home/fouad2/myfile.txt
```

Run play book

```
[root@192 ~]# ansible-playbook sync_playbook.yaml  
PLAY [Sync file to managed node] *****  
TASK [Gathering Facts] *****  
ok: [fouad2]  
TASK [create directory if not exists] *****  
ok: [fouad2]  
TASK [copy file to managed node] *****  
changed: [fouad2]  
PLAY RECAP *****  
fouad2 : ok=3 changed=1 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0
```

3. Display the file and its content on the Managed Node (before modification)

```
[root@192 ~]# ansible foudad2 -m shell -a "cat /home/fouad2/myfile.txt"
foudad2 | CHANGED | rc=0 >>
Hello from control node
[root@192 ~]#
```

4. Modify the original file on the Control Node and Perform Sync (update the file on the Managed Node)

Then Display the file and its content on the Managed Node after the update

```
[root@192 ~]# echo "Updated content from Control Node" >> /home/fouad/myfile.txt
[root@192 ~]#
[root@192 ~]# ansible-playbook sync_playbook.yaml

PLAY [Sync file to managed node] *****

TASK [Gathering Facts] *****
ok: [foudad2]

TASK [create directory if not exists] *****
ok: [foudad2]

TASK [copy file to managed node] *****
changed: [foudad2]

PLAY RECAP *****
foudad2 : ok=3 changed=1 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0

[root@192 ~]# ansible foudad2 -m shell -a "cat /home/fouad2/myfile.txt"
foudad2 | CHANGED | rc=0 >>
Hello from control node
Updated content from Control Node
[root@192 ~]#
```