

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 using synchronize  
  hosts: fouad2  
  tasks:  
    - name: create directory if not exists  
      file:  
        path: /home/fouad2  
        state: directory  
        mode: '0755'  
  
    - name: synchronize file  
      synchronize:  
        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 using synchronize] *****
TASK [Gathering Facts] *****
ok: [foudad2]
TASK [create directory if not exists] *****
ok: [foudad2]
TASK [synchronize file] *****
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 ~]#
```