

Lab: Copying files Between Windows Hosts

Objectives

- Copying files between windows hosts.

Note: Login to **eoc-controller** as **win-admin** user with password as **linux**

1. Copying files between windows hosts.

1.1 Use the below command to get the logs of the WinRm service.

```
# Get-WinEvent -LogName 'Microsoft-Windows-
WinRM/Operational' | Format-List
```

Output:

```
TimeCreated : 23-11-2023 02:33:45
ProviderName : Microsoft-Windows-WinRM
Id : 161
Message : The client cannot connect to the destination specified in the request. Verify that the service on the
destination is running and is accepting requests. Consult the logs and documentation for the
WS-Management service running on the destination, most commonly IIS or WinRM. If the destination is the
WinRM service, run the following command on the destination to analyze and configure the WinRM service:
"winrm quickconfig".

TimeCreated : 23-11-2023 02:33:45
ProviderName : Microsoft-Windows-WinRM
Id : 254
Message : Activity Transfer

TimeCreated : 23-11-2023 02:33:41
ProviderName : Microsoft-Windows-WinRM
Id : 145
Message : WSMan operation Enumeration started with resourceUri
http://schemas.microsoft.com/wbem/wsmman/1/config/listener
```

1.2 Create a **copy.yml** file a play book to copy files.

Task1 → Add the target host in the playbook.

```
1 ---
2 - name: Example Playbook for Windows
3   hosts: windows_hosts
4   gather_facts: true
5
```

Task2 → Ensure the directory exists.

```
6   tasks:
7     - name: Ensure a directory exists
8       ansible.builtin.win_file:
9         path: C:\Users\ansible\Documents
10        state: directory
11
```

Task3 → Copy files to windows.

```

12     - name: Copy a file to Windows
13       ansible.builtin.win_copy:
14         src: mounts.yml
15         dest: C:\Users\ansible\Documents\manage.yml
16

```

Note: Change the filename with your filename.

Task4 → Get the info about windows.

```

17     - name: Debug information
18       ansible.builtin.debug:
19         var: ansible_facts
20

```

Task5 → Ensure the windows update Service is running.

```

21     - name: Ensure a service is running
22       ansible.builtin.win_service:
23         name: wuauserv
24         state: started
25         start_mode: auto

```

1.3 Let's Check the playbook.

```
# cat -n copy.yml
```

Output:

```

(win-admin@eoc-controller ~)$ cat -n copy.yml
 1 ---
 2 - name: Example Playbook for Windows
 3   hosts: windows_hosts
 4   gather_facts: true
 5
 6   tasks:
 7     - name: Ensure a directory exists
 8       ansible.builtin.win_file:
 9         path: C:\Users\ansible\Documents
10         state: directory
11
12     - name: Copy a file to Windows
13       ansible.builtin.win_copy:
14         src: mounts.yml
15         dest: C:\Users\ansible\Documents\manage.yml
16
17     - name: Debug information
18       ansible.builtin.debug:
19         var: ansible_facts
20
21     - name: Ensure a service is running
22       ansible.builtin.win_service:
23         name: wuauserv
24         state: started
25         start_mode: auto

```

1.4 Let's verify the syntax of the playbook **copy.yml**

```
# ansible-playbook --syntax-check copy.yml
```

Output:

```
[win-admin@eoc-controller ~]$ ansible-playbook --syntax-check copy.yml
playbook: copy.yml
```

1.5 Run the play book **copy.yml** by executing below command.

```
# ansible-playbook copy.yml
```

Output:

```
[win-admin@eoc-controller ~]$ ansible-playbook copy.yml

PLAY [Example Playbook for Windows] *****

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

TASK [Ensure a directory exists] *****
ok: [windows_machine]

TASK [Copy a file to Windows] *****
ok: [windows_machine]

TASK [Debug information] *****
ok: [windows_machine] => {
  "ansible_facts": {
    "architecture": "64-bit",
    "architecture2": "x86_64",
    "bios_date": "05-22-2023",
    "bios_version": "VMW201.00V.21805430.B64.2305221830",
    "date_time": {
      "date": "2023-11-23",
      "day": "23",
      "epoch": "1700753497.43784",
      "epoch_int": 1700753497,
      "epoch_local": "1700773297.43784",
      "hour": "21",
      "iso8601": "2023-11-23T15:31:37Z",
      "iso8601_basic": "20231123T210137437839",
      "iso8601_basic_short": "20231123T210137",
    }
  }
}

TASK [Ensure a service is running] *****
ok: [windows_machine]

PLAY RECAP *****
windows_machine : ok=5  changed=0  unreachable=0  failed=0  skipped=0  rescued=0  ignored=0
```

1.6 Let's verify in the windows machine.

Output:

This PC > Documents					<input type="text"/> <input type="button" value="Search"/>	
	Name	Date modified	Type	Size		
ss	sample.yml	23-11-2023 20:21	YML File	1 KB		
Is						
ts						