**1 - ARP playbook.yml**

**---**

- **name**: Get ARP information

**hosts**: all

**gather\_facts**: false

**tasks**:

- **name**: show arp

**raw**: "show arp"

**register**: print\_output

- **debug**: var=print\_output.stdout\_lines

*# Commands to run:*

*#1) ansible-playbook test.yml -u sultan -k*

*#2) Grep for MAC address: ansible-playbook test.yml -u sultan -k | grep ok:\|fe7a'*

*#3) Grep for IP address: ansible-playbook test.yml -u sultan -k | grep ok:\|122\.3'*

**2 - MAC address table playbook.yml**

**---**

- **name**: Get MAC address table information

**hosts**: all

**gather\_facts**: false

**tasks**:

- **name**: show MAC address table

**raw**: "show mac address-table"

**register**: print\_output

- **debug**: var=print\_output.stdout\_lines

*# Commands to run:*

*#1) ansible-playbook getmac1.yml -u david -k*

*#2) Grep for MAC address: ansible-playbook getmac1.yml -u david -k | grep 'ok:\|29bd'*

**3 - sh version - user mode Part 1.yml**

**---**

- **name**: show version and other user level commands

**hosts**: all

**gather\_facts**: false

**connection**: local

**tasks**:

- **name**: run multiple commands on remote nodes

**ios\_command**:

**commands**:

- show version

- show ip int brief

**register**: print\_output

- **debug**: var=print\_output.stdout\_lines

*# Description:*

*# Use the ios commands module to get show version information and show interfaces information.*

*# These are user mode commands.*

*# http://docs.ansible.com/ansible/latest/ios\_command\_module.html*

*# Commands to run:*

*#1) ansible-playbook shver1.yml -u david -k*

**4 - sh version - user mode Part 2.yml**

**---**

- **name**: Backup show version and other user level commands

**hosts**: all

**gather\_facts**: false

**connection**: local

**tasks**:

- **name**: run multiple commands on remote nodes

**ios\_command**:

**commands**:

- show version

**register**: print\_output

- **debug**: var=print\_output.stdout\_lines

- **name**: save output to a file

**copy**: content="{{ print\_output.stdout[0] }}" dest="./output/{{ inventory\_hostname }}.txt"

*# Description:*

*# Use the ios commands module to get show version information and show interfaces information.*

*# These are user mode commands.*

*# Save the output to files*

*# http://docs.ansible.com/ansible/latest/ios\_command\_module.html*

*# Commands to run:*

*#1) ansible-playbook shver2.yml -u david -k*

**5 - sh run - exec mode Part 3.yml**

**---**

- **name**: Backup show run (enable mode commands)

**hosts**: all

**gather\_facts**: false

**connection**: local

**tasks**:

- **name**: run enable level commands

**ios\_command**:

**authorize**: yes

**commands**:

- show run

**register**: print\_output

- **debug**: var=print\_output.stdout\_lines

- **name**: save output to a file

**copy**: content="{{ print\_output.stdout[0] }}" dest="./output/{{ inventory\_hostname }}.txt"

*# Description:*

*# Use the ios commands module to get show run information*

*# Go to enable mode*

*# Save the output to files*

*# http://docs.ansible.com/ansible/latest/ios\_command\_module.html*

*# Commands to run:*

*#1) ansible-playbook shver3.yml -u david -k*