

Ansible NX-OS connection methods

network-cli

Set necessary connectivity variables:

```
cat <<'EOF' > group_vars/all.yml
ansible_user: admin
ansible_password: Cisco12345
ansible_network_os: nxos
ansible_connection: ansible.netcommon.network_cli
EOF
```

Set actual device IP address (the name is not resolvable):

```
cat <<'EOF' >> host_vars/N9K-1.yml
ansible_host: 192.168.227.91
```

Create the playbook:

```
cat <<'EOF' > playbook.yml
---
- name: First playbook
  hosts: N9K-1
  gather_facts: false

  tasks:

    - name: Ping self
      cisco.nxos.nxos_ping:
        dest: 192.168.227.91
        vrf: management
EOF
```

And run this playbook with verbose output: `ansible-playbook playbook.yml -vvvv`

httpapi

Switch to HTTP API:

```
cat <<'EOF' >> group_vars/all.yml
ansible_connection: ansible.netcommon.httpapi
EOF
```

And run this playbook with verbose output: `ansible-playbook playbook.yml -vvvv`

Do You see any difference? The same command is sent to the device. The only difference actually is the transport and message format (which is hidden). [Here is the source code](#) that shows the actual request destination.

netconf

Implements pass through NETCONF client (raw xml messages). Source [link](#)

Links

NXOS Platform Options:

https://docs.ansible.com/ansible/latest/network/user_guide/platform_nxos.html