

TP Gestion des configurations: Powerfull Ansible

4 Prise en main d'Ansible

4.1 Vérification et "debug" basique

- 1.

```
root@debian:/home/ansible# ansible -m ping debian
debian-3 | SUCCESS => {
  "ansible_facts": {
    "discovered_interpreter_python": "/usr/bin/python3"
  },
  "changed": false,
  "ping": "pong"
}
debian-2 | SUCCESS => {
  "ansible_facts": {
    "discovered_interpreter_python": "/usr/bin/python3"
  },
  "changed": false,
  "ping": "pong"
}
debian-1 | SUCCESS => {
  "ansible_facts": {
    "discovered_interpreter_python": "/usr/bin/python3"
  },
  "changed": false,
  "ping": "pong"
}
debian-4 | SUCCESS => {
  "ansible_facts": {
    "discovered_interpreter_python": "/usr/bin/python3"
  },
  "changed": false,
  "ping": "pong"
}
debian-0 | SUCCESS => {
  "ansible_facts": {
    "discovered_interpreter_python": "/usr/bin/python3"
  },
  "changed": false,
  "ping": "pong"
}
root@debian:/home/ansible# ansible -m ping rocky
rocky-1 | SUCCESS => {
  "ansible_facts": {
    "discovered_interpreter_python": "/usr/bin/python3"
  },
  "changed": false,
  "ping": "pong"
}
rocky-3 | SUCCESS => {
  "ansible_facts": {
    "discovered_interpreter_python": "/usr/bin/python3"
  },
  "changed": false,
  "ping": "pong"
}
rocky-2 | SUCCESS => {
  "ansible_facts": {
    "discovered_interpreter_python": "/usr/bin/python3"
  },
  "changed": false,
  "ping": "pong"
}
```

```

rocky-4 | SUCCESS => {
  "ansible_facts": {
    "discovered_interpreter_python": "/usr/bin/python3"
  },
  "changed": false,
  "ping": "pong"
}
rocky-0 | SUCCESS => {
  "ansible_facts": {
    "discovered_interpreter_python": "/usr/bin/python3"
  },
  "changed": false,
  "ping": "pong"
}
root@debian:/home/ansible#

```

2.

```

root@debian:/home/ansible# ansible-console
Welcome to the ansible console. Type help or ? to list commands.

root@all (13)[f:5]$ ip -br a
debian-0 | CHANGED | rc=0 >>
lo                UNKNOWN          127.0.0.1/8 ::1/128
eth0@if35         UP                172.28.0.2/16 fe80::42:acff:fe1c:2/64
debian-1 | CHANGED | rc=0 >>
lo                UNKNOWN          127.0.0.1/8 ::1/128
eth0@if37         UP                172.29.0.2/16 fe80::42:acff:fe1d:2/64
debian-3 | CHANGED | rc=0 >>
lo                UNKNOWN          127.0.0.1/8 ::1/128
eth0@if41         UP                172.31.0.2/16 fe80::42:acff:fe1f:2/64
debian-2 | CHANGED | rc=0 >>
lo                UNKNOWN          127.0.0.1/8 ::1/128
eth0@if39         UP                172.30.0.2/16 fe80::42:acff:fe1e:2/64
debian-4 | CHANGED | rc=0 >>
lo                UNKNOWN          127.0.0.1/8 ::1/128
eth0@if43         UP                192.168.0.2/20 fe80::42:c0ff:fea8:2/64
rocky-1 | CHANGED | rc=0 >>
lo                UNKNOWN          127.0.0.1/8 ::1/128
eth0@if27         UP                172.19.0.2/16 fe80::42:acff:fe13:2/64
rocky-0 | CHANGED | rc=0 >>
lo                UNKNOWN          127.0.0.1/8 ::1/128
eth0@if25         UP                172.18.0.2/16 fe80::42:acff:fe12:2/64
rocky-2 | CHANGED | rc=0 >>
lo                UNKNOWN          127.0.0.1/8 ::1/128
eth0@if29         UP                172.20.0.2/16 fe80::42:acff:fe14:2/64
rocky-4 | CHANGED | rc=0 >>
lo                UNKNOWN          127.0.0.1/8 ::1/128
eth0@if33         UP                172.22.0.2/16 fe80::42:acff:fe16:2/64
rocky-3 | CHANGED | rc=0 >>
lo                UNKNOWN          127.0.0.1/8 ::1/128
eth0@if31         UP                172.21.0.2/16 fe80::42:acff:fe15:2/64

```

3. Ansible utilise le protocole SSH pour se connecter aux containers.

4. Voici la sortie de la commande ansible-inventory

```

root@debian:/home/ansible# ansible-inventory --list all
{
  "_meta": {

```

```

    "hostvars": {
        "clab-srlceos01-ceos1": {
            "ansible_become": true,
            "ansible_become_method": "enable",
            "ansible_connection": "ansible.netcommon.network_cli",
            "ansible_host": "172.100.100.2",
            "ansible_network_os": "arista.eos.eos",
            "ansible_password": "admin",
            "ansible_user": "admin"
        },
        "clab-srlceos01-ceos2": {
            "ansible_become": true,
            "ansible_become_method": "enable",
            "ansible_connection": "ansible.netcommon.network_cli",
            "ansible_host": "172.100.100.3",
            "ansible_network_os": "arista.eos.eos",
            "ansible_password": "admin",
            "ansible_user": "admin"
        },
        "clab-srlceos01-ceos3": {
            "ansible_become": true,
            "ansible_become_method": "enable",
            "ansible_connection": "ansible.netcommon.network_cli",
            "ansible_host": "172.100.100.4",
            "ansible_network_os": "arista.eos.eos",
            "ansible_password": "admin",
            "ansible_user": "admin"
        },
        "debian-0": {
            "ansible_host": "127.0.0.1",
            "ansible_port": 2220,
            "ansible_ssh_private_key_file": "~/.ssh/id_ed25519"
        },
        "debian-1": {
            "ansible_host": "127.0.0.1",
            "ansible_port": 2221,
            "ansible_ssh_private_key_file": "~/.ssh/id_ed25519"
        },
        "debian-2": {
            "ansible_host": "127.0.0.1",
            "ansible_port": 2222,
            "ansible_ssh_private_key_file": "~/.ssh/id_ed25519"
        },
        "debian-3": {
            "ansible_host": "127.0.0.1",
            "ansible_port": 2223,
            "ansible_ssh_private_key_file": "~/.ssh/id_ed25519"
        },
        "debian-4": {
            "ansible_host": "127.0.0.1",
            "ansible_port": 2224,
            "ansible_ssh_private_key_file": "~/.ssh/id_ed25519"
        },
        "rocky-0": {
            "ansible_host": "127.0.0.1",
            "ansible_port": 3220,
            "ansible_ssh_private_key_file": "~/.ssh/id_ed25519"
        },
        "rocky-1": {
            "ansible_host": "127.0.0.1",
            "ansible_port": 3221,
            "ansible_ssh_private_key_file": "~/.ssh/id_ed25519"
        }
    },

```

```

        "rocky-2": {
            "ansible_host": "127.0.0.1",
            "ansible_port": 3222,
            "ansible_ssh_private_key_file": "~/.ssh/id_ed25519"
        },
        "rocky-3": {
            "ansible_host": "127.0.0.1",
            "ansible_port": 3223,
            "ansible_ssh_private_key_file": "~/.ssh/id_ed25519"
        },
        "rocky-4": {
            "ansible_host": "127.0.0.1",
            "ansible_port": 3224,
            "ansible_ssh_private_key_file": "~/.ssh/id_ed25519"
        }
    },
    "all": {
        "children": [
            "ungrouped",
            "linux",
            "eos"
        ]
    },
    "debian": {
        "hosts": [
            "debian-0",
            "debian-1",
            "debian-2",
            "debian-3",
            "debian-4"
        ]
    },
    "eos": {
        "hosts": [
            "clab-srlceos01-ceos1",
            "clab-srlceos01-ceos2",
            "clab-srlceos01-ceos3"
        ]
    },
    "linux": {
        "children": [
            "debian",
            "rocky"
        ]
    },
    "rocky": {
        "hosts": [
            "rocky-0",
            "rocky-1",
            "rocky-2",
            "rocky-3",
            "rocky-4"
        ]
    }
}

```