

Ansible:

Fichier de configuration:  
 - Afficher la configuration  
 - Optimiser Ansible

cd /etc/ansible

**\* commande :**

ansible-config view # voir le ansible.cfg pris en compte  
 ansible-config list # toutes les variables et leurs valeurs  
 cf : [https://docs.ansible.com/ansible/latest/reference\\_appendices/config.html](https://docs.ansible.com/ansible/latest/reference_appendices/config.html)

ansible-config dump # liste toutes les variables ansible  
 ansible-config dump --only-changed # valeurs par défaut modifiées

Fichier de configuration : optimisation

```
mcedit ansible.cfg
# uncomment this to disable SSH key host checking
* host key checking = fingerprint
[defaults]
host_key_checking = False

* callback temps par action
[defaults]
callback_whitelist = profile_tasks

* pipelining
# Enabling pipelining reduces the number of SSH operations required
[ssh_connection]
pipelining = True
```

Principe par défaut :  
 création fichier python  
 création directory  
 envoi fichier python via sftp  
 run python  
 récupération résultat

Avec pipelining :  
 génération du fichier python  
 envoi sur le python interpreter distant via stdin  
 récupération du stdout  
 (exécution sans fichier distant)

```
* spécifier le mode d identification
[ssh_connection]
ssh_args = -o ControlMaster=auto -o ControlPersist=60s
```

```
* fork = parallélisation
[defaults]
forks = 30
```

```
* SSH timeout
[defaults]
timeout = 100
```

```
* Avertissement
[defaults]
ansible_managed = Ansible managed, do not edit directly: modified on %Y-%m-%d %H:%M:%S
```

```
templates/virtualhost.conf.j2
<VirtualHost *:80>
  ServerName {{ domain }}
  DocumentRoot /var/www/{{ domain }}
</VirtualHost>
```

```
templates/virtualhost.conf.j2
# {{ ansible_managed }}
<VirtualHost *:80>
  ServerName {{ domain }}
  DocumentRoot /var/www/{{ domain }}
</VirtualHost>
```

```
* gather facts (à utiliser avec précaution)
# gather_facts: no
```

```
* gather facts caching par fichier
# fact_caching = jsonfile
# fact_caching_timeout = 3600
# fact_caching_connection = /tmp/mycachedir
```

```
* gather facts caching par redis
# fact_caching = redis
# fact_caching_timeout = 3600
# fact_caching_connection = localhost:6379:0
```

```
ansible-config dump --only-changed
ANSIBLE_PIPELINING(/etc/ansible/ansible.cfg) = True
ANSIBLE_SSH_ARGS(/etc/ansible/ansible.cfg) = -C -o ControlMaster=auto -o ControlPersist=60s
DEFAULT_CALLBACK_WHITELIST(/etc/ansible/ansible.cfg) = ['profile_tasks']
DEFAULT_FORKS(/etc/ansible/ansible.cfg) = 30
DEFAULT_MANAGED_STR(/etc/ansible/ansible.cfg) = Ansible managed, do not edit directly: modified on
%Y-%m-%d %H:%M:%S
DEFAULT_TIMEOUT(/etc/ansible/ansible.cfg) = 100
HOST_KEY_CHECKING(/etc/ansible/ansible.cfg) = False
```

```
# test avec l'option * callback temps par action
```

```
cd /etc/ansible/ping
ansible-playbook -i hosts ping.yml
```

```
PLAY [ping sur groupe nodes] *****
```

```
TASK [Gathering Facts] *****
Monday 01 March 2021  18:44:45 +0100 (0:00:00.047)    0:00:00.047 *****
ok: [81.28.97.16]
ok: [81.28.97.17]
```

```
TASK [ping] *****
Monday 01 March 2021  18:44:51 +0100 (0:00:05.777)    0:00:05.825 *****
ok: [81.28.97.16]
ok: [81.28.97.17]
```

```
PLAY RECAP *****
81.28.97.16           : ok=2    changed=0    unreachable=0    failed=0    skipped=0
rescued=0    ignored=0
81.28.97.17           : ok=2    changed=0    unreachable=0    failed=0    skipped=0
rescued=0    ignored=0
```

```
Monday 01 March 2021  18:44:52 +0100 (0:00:01.012)    0:00:06.837 *****
=====
Gathering Facts ----- 5.78s
ping ----- 1.01s
```

```
# Afficher les hosts
```

```
cat hosts
[nodes]
81.28.97.16
81.28.97.17
```

```
mcedit hosts
[db]
db1
db2
```

```
ansible -i hosts all --list-hosts
hosts (4):
  81.28.97.16
  81.28.97.17
  db1
  db2
```

```
ansible -i hosts nodes --list-hosts
hosts (2):
  81.28.97.16
  81.28.97.17
```