

## ↘ Notaciones.

```
# → Indica que debe hacerse para → {master-00,nodo-01,nodo-02}
[root@master-00 ~]# → Solo para → master-00
[root@nodo-01 ~]# → Solo para → nodo-01
[root@nodo-02 ~]# → Solo para → nodo-02
```

## ↘ Configuración Inicial.

# **getenforce**

**Enforcing**

```
[root@master-00 ~]# yum install vim tree wget -y
```

```
[root@nodo-01 ~]# yum install vim wget -y
```

```
[root@nodo-02 ~]# yum install vim wget -y
```

# **vim /etc/hosts**

...

```
192.168.10.70 master-00.example.com master-00
```

```
192.168.10.71 nodo-01.example.com nodo-01
```

```
192.168.10.72 nodo-02.example.com nodo-02
```

...

# **yum install epel-release.noarch -y && yum update -y**

```
[root@master-00 ~]# yum install ansible setroubleshoot setroubleshoot-server expect -y
```

```
[root@master-00 ~]# ansible --version
```

```
ansible 2.8.5
```

```
config file = /etc/ansible/ansible.cfg
```

```
configured module search path = [u'/home/ansible/.ansible/plugins/modules',
u'/usr/share/ansible/plugins/modules']
```

```
ansible python module location = /usr/lib/python2.7/site-packages/ansible
```

```
executable location = /bin/ansible
```

```
python version = 2.7.5 (default, Aug 7 2019, 00:51:29) [GCC 4.8.5 20150623 (Red Hat 4.8.5-39)]
```

```
[root@master-00 ~]# vim /etc/ansible/hosts
```

...

```
[all]
```

```
nodo-01.example.com ansible_ssh_host=192.168.10.71 ansible_ssh_transfer_method=scp
```

```
nodo-02.example.com ansible_ssh_host=192.168.10.72 ansible_ssh_transfer_method=scp
```

```
nodo-01 ansible_ssh_host=192.168.10.71 ansible_ssh_transfer_method=scp
```

```
nodo-02 ansible_ssh_host=192.168.10.72 ansible_ssh_transfer_method=scp
```

...

```
[root@master-00 ansible]# egrep -v '^\$|^#' /etc/ansible/ansible.cfg
[defaults]
[inventory]
[privilege_escalation]
[paramiko_connection]
[ssh_connection]
[persistent_connection]
[accelerate]
[selinux]
[colors]
[diff]
```

```
# rpm -qa python
```

```
python-2.7.5-77.el7_6.x86_64
```

```
[root@nodo-01 ~]# vim /etc/ssh/sshd_config
```

```
[root@nodo-02 ~]# vim /etc/ssh/sshd_config
```

```
...
```

```
PermitRootLogin yes
```

```
PasswordAuthentication yes
```

```
...
```

```
[root@nodo-01 ~]# systemctl restart sshd
```

```
[root@nodo-02 ~]# systemctl restart sshd
```

```
[root@master-00 ~]# ssh-keygen
```

```
[root@master-00 ~]# ssh-copy-id nodo-01
```

```
[root@master-00 ~]# ssh-copy-id nodo-02
```

👉 **Esquema de arbol** → ['ansible-galaxy'](#).

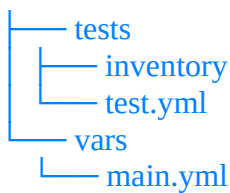
```
[root@master-00 ~]# ansible-galaxy init /ansible/
```

```
- /ansible/ was created successfully
```

```
[root@master-00 ~]# cd /ansible
```

```
[root@master-00 ~]# tree /ansible
```

```
/ansible/
├── defaults
│   └── main.yml
├── files
├── handlers
│   └── main.yml
├── meta
│   └── main.yml
├── README.md
├── tasks
│   └── main.yml
└── templates
```



### ANSIBLE Pruebas de conexión → Metodología: 'ad-hoc'.

```

[root@master-00 ~]# ansible -m ping nodo-01.example.com:nodo-02.example.com
nodo-01.example.com | SUCCESS => {
  "ansible_facts": {
    "discovered_interpreter_python": "/usr/bin/python"
  },
  "changed": false,
  "ping": "pong"
}
nodo-02.example.com | SUCCESS => {
  "ansible_facts": {
    "discovered_interpreter_python": "/usr/bin/python"
  },
  "changed": false,
  "ping": "pong"
}
  
```

```

[root@master-00 ~]# ansible -m ping nodo-01:nodo-02
nodo-02 | SUCCESS => {
  "ansible_facts": {
    "discovered_interpreter_python": "/usr/bin/python"
  },
  "changed": false,
  "ping": "pong"
}
nodo-01 | SUCCESS => {
  "ansible_facts": {
    "discovered_interpreter_python": "/usr/bin/python"
  },
  "changed": false,
  "ping": "pong"
}
  
```

```

[root@master-00 ~]# ansible -m shell -a 'free -m' nodo-01:nodo-02
nodo-01 | CHANGED | rc=0 >>
      total      used    free   shared  buff/cache   available
Mem:    3789      252    2086        8     1450     3276
Swap:   2047         0     2047

nodo-02 | CHANGED | rc=0 >>
  
```

	total	used	free	shared	buff/cache	available
Mem:	3789	188	2150	8	1450	3340
Swap:	2047	0	2047			

```
[root@master-00 ~]# ansible -m shell -a 'hostname' nodo-01:nodo-02
nodo-01 | CHANGED | rc=0 >>
nodo-01.example.com
```

```
nodo-02 | CHANGED | rc=0 >>
nodo-02.example.com
```

### ↘ ↘ Creación de Múltiples Usuarios Locales.

↘ **playbook** → '00-crearUsuariosLocales.yaml'.

```
[root@master-00 ansible]# vim /ansible/vars/usuariosLocales.yaml
usuarios:
- carlos
- ansible
- usuario-01
- usuario-02
```

### → 00-crearUsuariosLocales.yaml

---

```
- hosts: localhost
  remote_user: root
  become: yes
  become_method: sudo
```

## Método-1: Inclusión de variables estáticas.

```
# vars:
# usuarios:
# - carlos
# - ansible
# - usuario-01
# - usuario-02
```

## Método-2: Inclusión de variables dinámicas como fichero.

```
vars_files:
- "/ansible/vars/usuariosLocales.yaml"
tasks:
```

## Método-3: Inclusión de variables dinámicas como fichero desde 'tasks'.

```
# - name: Inclusión de Usuarios Locales.
# include_vars:
# file: "/ansible/vars/usuariosLocales.yaml"
```

- name: Añadir {{ usuarios }} en Servidor Local ANSIBLE y generar sus SSH keys.

```
user:
  name: "{{ item }}"
  comment: "Usuario creado por ANSIBLE -> {{ item }}"
  shell: /bin/bash
  generate_ssh_key: yes
  ssh_key_bits: 2048
  ssh_key_file: .ssh/{{ item }}
  state: present
with_items: "{{ usuarios }}"
```

- name: Incorporar {{ usuarios }} a 'sudoers'.

```
copy:
  dest: "/etc/sudoers.d/{{ item }}"
  content: "{{ item }} ALL=(ALL) NOPASSWD: ALL"
with_items: "{{ usuarios }}"
```

...

[root@master-00 ansible]# ansible-playbook 00-crearUsuariosLocales.yaml

PLAY [localhost]

```
*****
*****
*****
```

TASK [Gathering Facts]

```
*****
*****
*****
```

ok: [localhost]

TASK [Añadir [u'carlos', u'ansible', u'usuario-01', u'usuario-02'] en Servidor Local ANSIBLE y generar sus SSH keys.]

```
*****
*****
```

ok: [localhost] => (item=carlos)

ok: [localhost] => (item=ansible)

ok: [localhost] => (item=usuario-01)

ok: [localhost] => (item=usuario-02)

TASK [Incorporar [u'carlos', u'ansible', u'usuario-01', u'usuario-02'] a 'sudoers'.]

```
*****
*****
```

ok: [localhost] => (item=carlos)

ok: [localhost] => (item=ansible)

ok: [localhost] => (item=usuario-01)

ok: [localhost] => (item=usuario-02)

## PLAY RECAP

```
*****
*****
*****
```

```
localhost          : ok=3  changed=0  unreachable=0  failed=0  skipped=0  rescued=0
ignored=0
```

```
[root@master-00 ansible]# tail -4 /etc/passwd
```

```
carlos:x:1001:1001:Usuario Local creado por ANSIBLE -> carlos:/home/carlos:/bin/bash
ansible:x:1002:1002:Usuario Local creado por ANSIBLE -> ansible:/home/ansible:/bin/bash
usuario-01:x:1003:1003:Usuario Local creado por ANSIBLE ->
usuario-01:/home/usuario-01:/bin/bash
usuario-02:x:1004:1004:Usuario Local creado por ANSIBLE ->
usuario-02:/home/usuario-02:/bin/bash
```

```
[root@master-00 ansible]# ls /home/{carlos,ansible,usuario-01,usuario-02}/.ssh/
/home/ansible/.ssh/:
ansible ansible.pub
```

```
/home/carlos/.ssh/:
carlos carlos.pub
```

```
/home/usuario-01/.ssh/:
usuario-01 usuario-01.pub
```

```
/home/usuario-02/.ssh/:
usuario-02 usuario-02.pub
```

### ↘ Creación de Múltiples Usuarios Remotos.

```
[root@master-00 ansible]# vim /ansible/vars/usuariosRemotos.yaml
usuarios:
- carlos
- ansible
- usuario-01
- usuario-02
```

→ Template de Deshabilitación de la autenticación mediante password:

```
[root@master-00 ansible]# mkdir /ansible/templates/ssh/ -p
[root@master-00 ansible]# vim /ansible/templates/ssh/sshd_config.j2
#{{ ansible_managed }}
ListenAddress {{ ansible_ssh_host }}
PermitRootLogin without-password
AuthorizedKeysFile .ssh/authorized_keys
PasswordAuthentication no
ChallengeResponseAuthentication no
UsePAM yes
```

```
[root@master-00 ansible]# egrep -v '^$|^#' /etc/ssh/sshd_config
HostKey /etc/ssh/ssh_host_rsa_key
HostKey /etc/ssh/ssh_host_ecdsa_key
HostKey /etc/ssh/ssh_host_ed25519_key
SyslogFacility AUTHPRIV
AuthorizedKeysFile .ssh/authorized_keys
PasswordAuthentication no
ChallengeResponseAuthentication no
GSSAPIAuthentication yes
GSSAPICleanupCredentials no
UsePAM yes
X11Forwarding yes
UseDNS no
AcceptEnv LANG LC_CTYPE LC_NUMERIC LC_TIME LC_COLLATE LC_MONETARY
LC_MESSAGES
AcceptEnv LC_PAPER LC_NAME LC_ADDRESS LC_TELEPHONE LC_MEASUREMENT
AcceptEnv LC_IDENTIFICATION LC_ALL LANGUAGE
AcceptEnv XMODIFIERS
Subsystem sftp /usr/libexec/openssh/sftp-server
```

```
[root@nodo-01 ~]# egrep -v '^$|^#' /etc/ssh/sshd_config
[root@nodo-02 ~]# egrep -v '^$|^#' /etc/ssh/sshd_config
HostKey /etc/ssh/ssh_host_rsa_key
HostKey /etc/ssh/ssh_host_ecdsa_key
HostKey /etc/ssh/ssh_host_ed25519_key
SyslogFacility AUTHPRIV
PermitRootLogin yes
AuthorizedKeysFile .ssh/authorized_keys
PasswordAuthentication yes
ChallengeResponseAuthentication no
GSSAPIAuthentication yes
GSSAPICleanupCredentials no
UsePAM yes
X11Forwarding yes
UseDNS no
AcceptEnv LANG LC_CTYPE LC_NUMERIC LC_TIME LC_COLLATE LC_MONETARY
LC_MESSAGES
AcceptEnv LC_PAPER LC_NAME LC_ADDRESS LC_TELEPHONE LC_MEASUREMENT
AcceptEnv LC_IDENTIFICATION LC_ALL LANGUAGE
AcceptEnv XMODIFIERS
Subsystem sftp /usr/libexec/openssh/sftp-server
```

playbook → '01-crearUsuariosRemotos.yaml'.

### → 01-crearUsuariosRemotos.yaml

```
---
- hosts: all
  remote_user: root
  become: yes
  become_method: sudo
# vars:
# usuarios:
# - carlos
# - ansible
# - usuario-01
# - usuario-02

## Método-2: Inclusión de variables dinámicas como fichero.
vars_files:
  - "/ansible/vars/usuariosRemotos.yaml"
tasks:
- name: Añadir {{ usuarios }} en nodos de ANSIBLE.
  user:
    name: "{{ item }}"
    comment: "Usuario creado por Master ANSIBLE -> {{ item }}"
    state: present
  with_items: "{{ usuarios }}"

- name: Aplicar SSH key.
  authorized_key:
    user: "{{ item }}"
    key: "{{ lookup('file', '/home/{{ item }}/.ssh/{{ item }}.pub') }}"
    state: present
    exclusive: yes
  with_items: "{{ usuarios }}"

- name: Incorporar {{ usuarios }} a 'sudoers'.
  copy:
    dest: "/etc/sudoers.d/{{ item }}"
    content: "{{ item }} ALL=(ALL) NOPASSWD: ALL"
  with_items: "{{ usuarios }}"

- name: Actualizar '/etc/ssh/sshd_config'.
  template: src=/ansible/templates/ssh/sshd_config.j2
    dest=/etc/ssh/sshd_config
    backup=yes
    owner=0 group=0 mode=0644
    validate='/usr/sbin/sshd -T -f %s'
  notify:
```



- restart sshd

handlers:

- name: restart sshd  
service: name=sshd state=restarted

...

[root@master-00 ansible]# ansible-playbook 01-crearUsuariosRemotos.yaml

PLAY [all]

```
*****
*****
*****
```

TASK [Gathering Facts]

```
*****
*****
*****
```

ok: [nodo-02.example.com]

ok: [nodo-02]

ok: [nodo-01]

ok: [nodo-01.example.com]

TASK [Añadir [u'carlos', u'ansible', u'usuario-01', u'usuario-02'] en nodos de ANSIBLE.]

```
*****
*****
```

ok: [nodo-01] => (item=carlos)

ok: [nodo-02] => (item=carlos)

ok: [nodo-02.example.com] => (item=carlos)

ok: [nodo-01.example.com] => (item=carlos)

ok: [nodo-02] => (item=ansible)

ok: [nodo-01] => (item=ansible)

ok: [nodo-01.example.com] => (item=ansible)

ok: [nodo-02.example.com] => (item=ansible)

ok: [nodo-02] => (item=usuario-01)

ok: [nodo-02.example.com] => (item=usuario-01)

ok: [nodo-01.example.com] => (item=usuario-01)

ok: [nodo-01] => (item=usuario-01)

ok: [nodo-01.example.com] => (item=usuario-02)

ok: [nodo-02.example.com] => (item=usuario-02)

ok: [nodo-02] => (item=usuario-02)

ok: [nodo-01] => (item=usuario-02)

TASK [Aplicar SSH key.]

```
*****
*****
*****
```

ok: [nodo-01] => (item=carlos)

```
ok: [nodo-02] => (item=carlos)
ok: [nodo-02.example.com] => (item=carlos)
ok: [nodo-01.example.com] => (item=carlos)
ok: [nodo-01] => (item=ansible)
ok: [nodo-01.example.com] => (item=ansible)
ok: [nodo-02] => (item=ansible)
ok: [nodo-02.example.com] => (item=ansible)
ok: [nodo-01] => (item=usuario-01)
ok: [nodo-02] => (item=usuario-01)
ok: [nodo-01.example.com] => (item=usuario-01)
ok: [nodo-02.example.com] => (item=usuario-01)
ok: [nodo-01] => (item=usuario-02)
ok: [nodo-02] => (item=usuario-02)
ok: [nodo-02.example.com] => (item=usuario-02)
ok: [nodo-01.example.com] => (item=usuario-02)
```

TASK [Incorporar [u'carlos', u'ansible', u'usuario-01', u'usuario-02'] a 'sudoers'.]

```
*****
*****
```

```
ok: [nodo-02] => (item=carlos)
ok: [nodo-01] => (item=carlos)
ok: [nodo-01.example.com] => (item=carlos)
ok: [nodo-02.example.com] => (item=carlos)
ok: [nodo-02] => (item=ansible)
ok: [nodo-01] => (item=ansible)
ok: [nodo-01.example.com] => (item=ansible)
ok: [nodo-02.example.com] => (item=ansible)
ok: [nodo-02] => (item=usuario-01)
ok: [nodo-01.example.com] => (item=usuario-01)
ok: [nodo-01] => (item=usuario-01)
ok: [nodo-02.example.com] => (item=usuario-01)
ok: [nodo-02] => (item=usuario-02)
ok: [nodo-01] => (item=usuario-02)
ok: [nodo-01.example.com] => (item=usuario-02)
ok: [nodo-02.example.com] => (item=usuario-02)
```

TASK [Actualizar '/etc/ssh/sshd\_config'.]

```
*****
*****
*****
```

```
ok: [nodo-01.example.com]
ok: [nodo-02.example.com]
ok: [nodo-01]
ok: [nodo-02]
```

PLAY RECAP

```
*****
```

```
*****
*****
```

```
nodo-01          : ok=5  changed=0  unreachable=0  failed=0  skipped=0  rescued=0
ignored=0
nodo-01.example.com  : ok=5  changed=0  unreachable=0  failed=0  skipped=0
rescued=0  ignored=0
nodo-02          : ok=5  changed=0  unreachable=0  failed=0  skipped=0  rescued=0
ignored=0
nodo-02.example.com  : ok=5  changed=0  unreachable=0  failed=0  skipped=0
rescued=0  ignored=0
```

```
[root@nodo-01 ~]# cat /etc/ssh/sshd_config
[root@nodo-02 ~]# cat /etc/ssh/sshd_config
```

```
#Ansible managed
ListenAddress 192.168.10.71
PermitRootLogin without-password
AuthorizedKeysFile .ssh/authorized_keys
PasswordAuthentication no
ChallengeResponseAuthentication no
UsePAM yes
```

```
[root@nodo-01 ~]# tail -4 /etc/passwd
[root@nodo-02 ~]# tail -4 /etc/passwd
```

```
carlos:x:1001:1001:Usuario creado por Master ANSIBLE -> carlos:/home/carlos:/bin/bash
ansible:x:1002:1002:Usuario creado por Master ANSIBLE -> ansible:/home/ansible:/bin/bash
usuario-01:x:1003:1003:Usuario creado por Master ANSIBLE -> usuario-01:/home/usuario-01:/bin/
bash
usuario-02:x:1004:1004:Usuario creado por Master ANSIBLE -> usuario-02:/home/usuario-02:/bin/
bash
```

```
[root@nodo-01 ~]# cat /home/{carlos,ansible,usuario-01,usuario-02}/.ssh/authorized_keys
[root@nodo-02 ~]# cat /home/{carlos,ansible,usuario-01,usuario-02}/.ssh/authorized_keys
```

```
ssh-rsa
```

```
AAAAB3NzaC1yc2EAAAADAQABAAQACvy0WCHmVVgWYKGvI8bCZ0fZnXQDGcYas
+wIfVtKreYCwq/4shqEYzu5BrUSQx3JcGTDApcdk0dOg/
eJmXRgj2tg6vFBFHrkki0mwJEQCoL98tIrVYmnJ3Oin0BYFAQiJ1ojpdkI2Tfn9MrYe9Lz0ORcxF
d86P+oJZzU4X2ewdz9Xc47hBrvTIJ70woft/
vOF+UVSo9G8p7RfSFJBvcx3JUJz7z9DJU4oUy8iRpryu1uDT+IenOuVmNJBbe0JDSZ1myrseR
HYqb91HDcrkeM4qKpGlgODI9yPWddeiBXrK9AA1/
C1s7eBxfDaMFJHiUWEhji3pWNpWvOSehFMTTLb ansible-generated on master-
00.example.com
```

```
ssh-rsa
```

```
AAAAB3NzaC1yc2EAAAADAQABAAQDJUXwKFOkh/xR0fXhXRlkF5Rh+PLq1x6zGvg
uJNs8aJ4UJoBD/mO5D5vrsOakt7QS5l8X795SWbGIn8CipTkkqY2r+LouDPz/
KdNtBwsAvDDVcFTNj4rfTZ1rgHdzSa+zez0UWy6SDm1VA58TjK9riyGm2g+STwZ1+vsANcX
KHr5SI0QwGYd7l4//klIMp12N/Zp01P0Hh/
```

JAEqHNFhnlHh9NNVPPXJbBKUPpvFZkXqzNIu6lw1g3hRoIZpL28MTs9Tnjm8rWMDm2MYsK  
 IUcAWow5WRcENXOVg39IPM027WY5NGI0058wPBW613ngFg2cL5nxz4/YISY0YpueyzRIB  
**ansible-generated on master-00.example.com**

**ssh-rsa**

AAAAB3NzaC1yc2EAAAADAQABAAQDQxnnFI2b/8FyAnv2JVvc8fpTqHHkIzpq0bkpblh  
 iyYpCmzmKyv65Bo90wFFJLETPavLWhsqQZ7yd4nL/  
 DrVBIOQ+CmaSDz5EGSH8WFDpi8hnpQ6+mMiQpYCNs+WDqgm59fhw8REm0CFO3DA/  
 JSyRQRxGVW9DEkekCaEQyBZSmKUA+smg6z7X3yKBxx+IsHLwIxJlaw109dFppbtY+O53/  
 E1IDqOTkOoTJHVe8LB/  
 q1sRRMzRPZkO4D2twkdf6GbiL+GIAikBMIR6ixtBWKdxvb8+U5dumZtQsaKuvyJLQs9H1rlMz  
 +XvfKv77/qZzZZUKm/aOdUPv26CrSy1f3ex **ansible-generated on master-00.example.com**

**ssh-rsa**

AAAAB3NzaC1yc2EAAAADAQABAAQAC2p+/Tu1f/vMVxAYYcVFCN1U2BhleO6ierncW  
 YfZcYaw3/  
 E0u2N5wP1mhCZOPwqcdKgPtEk3P4vVflptYMx71IvwAb4L1IJRXGnAbC1MiL4UP4Mt/  
 WwhWxBOTBnVr4jdr4/45xLFX9HPQ3ojZnSA8IA5SrP9+AT1XNE2VIZh1lLtinj8sKYRls+IOeZ  
 Cvad9TtqrhUMzFLW06mO7TLNzcc7/r/  
 fnoF1wniNKthKH8AJ7udgqXEAUGJRogjn2+9BOwa+HuLYBjqf12R5WJU1zXoe902xK60Uk9  
 SsT2dOW6GHH7I5Dq1+bBAObwchS3JYRTKcWq/hLNIJoxO/vxIP **ansible-generated on  
 master-00.example.com**

[root@master-00 ansible]# tree /ansible/

/ansible/

```

├── 00-crearUsuariosLocales.yaml
├── 01-crearUsuariosRemotos.yaml
├── defaults
│   └── main.yml
├── files
├── handlers
│   └── main.yml
├── meta
│   └── main.yml
├── README.md
├── tasks
│   └── main.yml
├── templates
│   └── ssh
│       └── sshd_config.j2
├── tests
│   ├── inventory
│   └── test.yml
└── vars
    ├── main.yml
    ├── usuariosLocales.yaml
    └── usuariosRemotos.yaml
  
```

9 directories, 13 files

↘ Reparar → 'authorized keys' de Múltiples Usuarios Remotos.

→ 'comprobarAuthorized\_keysRemotas.yaml'.

```
[root@master-00 ansible]# vim tests/comprobarAuthorized_keysRemotas.yaml
```

```
---
- hosts: all
  remote_user: root
  become: yes
  become_method: sudo

  vars_files:
    - "/ansible/vars/usuariosLocales.yaml"
  tasks:
    - name: Aplicar SSH key.
      authorized_key:
        user: "{{ item }}"
        key: "{{ lookup('file', '/home/{{ item }}/.ssh/{{ item }}.pub') }}"
        state: present
        exclusive: yes
        with_items: "{{ usuarios }}"
...

```

```
[root@nodo-01 ~]# echo "Authorized_Key CORRUPTA" >>
```

```
/home/carlos/.ssh/authorized_keys
```

```
[root@nodo-01 ~]# cat /home/carlos/.ssh/authorized_keys
```

```
ssh-rsa
```

```
AAAAB3NzaC1yc2EAAAADAQABAAQDJUXwKFOkh/xR0fXhXRlkF5Rh+PLq1x6zGvg
uJNs8aJ4UJoBD/mO5D5vrsOak7QS5l8X795SWbGIn8CipTkkqY2r+LouDPz/
KdNtBwsAvDDVcFTNj4rfTZ1rgHdzSa+zez0UWy6SDm1VA58TjK9riyGm2g+STwZ1+vsANcX
KHr5SI0QwGYd7l4//klIMp12N/Zp01P0Hh/
JAeQhNFhnlHh9NNVPPXJbBKUPpvFZkXqzNIu6lw1g3hRoIZpL28MTs9Tnjm8rWMDm2MYsK
IUcAWow5WRcENXOVg39IPM027WY5NGI0058wPBW613ngFg2cL5nxz4/YISY0YpueyzRlB
ansible-generated on master-00.example.com
```

```
Authorized_Key CORRUPTA
```

→ Aplicamos → 'comprobarAuthorized\_keysRemotas.yaml'

```
[root@master-00 ansible]# ansible-playbook tests/comprobarAuthorized_keysRemotas.yaml
```

```
PLAY [all]
```

```
*****
*****
*****
```

```
TASK [Gathering Facts]
```

```
*****
```

```
*****
*****
```

```
ok: [nodo-01]
ok: [nodo-01.example.com]
ok: [nodo-02.example.com]
ok: [nodo-02]
```

#### TASK [Aplicar SSH key.]

```
*****
*****
*****
```

```
changed: [nodo-01.example.com] => (item=carlos)
ok: [nodo-02] => (item=carlos)
ok: [nodo-02.example.com] => (item=carlos)
ok: [nodo-01] => (item=carlos)
ok: [nodo-01.example.com] => (item=ansible)
ok: [nodo-02] => (item=ansible)
ok: [nodo-02.example.com] => (item=ansible)
ok: [nodo-01] => (item=ansible)
ok: [nodo-01.example.com] => (item=usuario-01)
ok: [nodo-02] => (item=usuario-01)
ok: [nodo-02.example.com] => (item=usuario-01)
ok: [nodo-01] => (item=usuario-01)
ok: [nodo-01.example.com] => (item=usuario-02)
ok: [nodo-02.example.com] => (item=usuario-02)
ok: [nodo-02] => (item=usuario-02)
ok: [nodo-01] => (item=usuario-02)
```

#### PLAY RECAP

```
*****
*****
*****
```

```
nodo-01          : ok=2  changed=0  unreachable=0  failed=0  skipped=0  rescued=0
ignored=0
nodo-01.example.com  : ok=2  changed=1  unreachable=0  failed=0  skipped=0
rescued=0  ignored=0
nodo-02          : ok=2  changed=0  unreachable=0  failed=0  skipped=0  rescued=0
ignored=0
nodo-02.example.com  : ok=2  changed=0  unreachable=0  failed=0  skipped=0
rescued=0  ignored=0
```

```
[root@nodo-01 ~]# cat /home/carlos/.ssh/authorized_keys
```

#### ssh-rsa

```
AAAAB3NzaC1yc2EAAAADAQABAAQDJUXwKFOkh/xR0fXhXRlkF5Rh+PLq1x6zGvg
uJNs8aJ4UJoBD/mO5D5vrsOakt7QS5l8X795SWbGIn8CipTkkqY2r+LouDPz/
KdNtBwsAvDDVcFTNj4rfTZ1rgHdzSa+zez0UWy6SDm1VA58TjK9riyGm2g+STwZ1+vsANcX
KHr5SI0QwGYd7l4//klIMp12N/Zp01P0Hh/
```

JAeQhNFhnlHh9NNVPPXJbBKUPpvFZkXqzNIu6lw1g3hRoIZpL28MTs9Tnjm8rWMDm2MYsK  
IUcAWow5WRcENXOVg39IPM027WY5NGI0058wPBW613ngFg2cL5nxz4/YlSY0YpueyzRIB  
**ansible-generated on master-00.example.com**

```
[root@master-00 ansible]# tree /ansible/
```

```
/ansible/  
├── 00-crearUsuariosLocales.yaml  
├── 01-crearUsuariosRemotos.yaml  
├── defaults  
│   └── main.yml  
├── files  
├── handlers  
│   └── main.yml  
├── meta  
│   └── main.yml  
├── README.md  
├── tasks  
│   └── main.yml  
├── templates  
│   └── ssh  
│       └── sshd_config.j2  
├── tests  
│   ├── comprobarAuthorized_keysRemotas.yaml  
│   ├── inventory  
│   └── test.yml  
└── vars  
    ├── main.yml  
    ├── usuariosLocales.yaml  
    └── usuariosRemotos.yaml
```

9 directories, 14 files

## RECURSOS:

### 👉 links:

[https://docs.ansible.com/ansible/latest/modules/user\\_module.html](https://docs.ansible.com/ansible/latest/modules/user_module.html)  
<http://www.mclibre.org/consultar/webapps/lecciones/ansible-playbooks-2.html>  
<https://github.com/whitecloud/ansible-styleguide>  
<https://ualmtorres.github.io/CursoAnsible/tutorial/>  
<http://blog.appliedinformaticsinc.com/how-to-manage-ssh-keys-using-ansible/>  
<http://minimum-viable-automation.com/ansible/use-ansible-create-user-accounts-setup-ssh-keys/>  
<https://www.happycoders.eu/ansible-tutorial-setup-users-ssh-firewall/>  
[https://docs.ansible.com/ansible/latest/modules/template\\_module.html](https://docs.ansible.com/ansible/latest/modules/template_module.html)  
<https://medium.com/@khandelwal12nidhi/setup-ssh-key-and-initial-user-using-ansible-playbook-61eabbb0dba4>  
<https://www.linuxsysadmins.com/ansible-playbooks-for-managing-groups-and-user-creation-using-ansible/>

### 👉 bibliografía:

- Learning Ansible 2.7 Third Edition April 2019 - Fabio Alessandro Locati Packt Publishing.
- Mastering Ansible Third Edition March 2019 - James Freeman and Jesse Keating.

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