

First steps

Initial configuration

Clone our ansible-roles repo

```
git clone https://git.fws.fr/fws/ansible-roles.git
cd ansible-roles
```

Create the configuration directories

Those directories will holds configurations of your hosts, groups etc.

```
# This dir will contain your hosts inventories
mkdir inventories
# This one will contain vars for individual hosts
mkdir host_vars
# This one will contain vars for group of hosts
mkdir group_vars
# Will contain SSH related stuff
mkdir ssh
```

Create an SSH key pair

The public key will have to be configured on the hosts you want to manage

```
ssh-keygen -t rsa -b 4096 -f ssh/id_rsa
```

It's advised to protect the private key with a password

Create your inventory file

This inventory will contains all the hosts you manage with ansible. You can have several inventories (eg, one per client). For example **inventories/fws.ini**. Here I create a single group of hosts named **fws**. And a single host **proxyin.fws.fr**

```
[fws]
proxyin.fws.fr
```

Setup the host to be managed

On the machine **proxyin.fws.fr**, we have to configure a few things :

- Create a user named ansible
- Grant ansible full access to the system with sudo
- Configure the public SSH key on this ansible user account

```
useradd -m ansible
mkdir ~ansible/.ssh
cat <<_EOF > ~ansible/.ssh/authorized_keys
ssh-rsa
AAAAB3NzaC1yc2EAAAADAQABAAQCAQCj9d6jDy0m7xtqGfR0ywyXnq0lRfqqP0TzBhvCI4r cr JaDSL yA5/mnme0TLfy6Ys0l
ansible@firewall-services.com
_EOF
chown -R ansible:ansible ~ansible/.ssh/
chmod 700 ~ansible/.ssh/
chmod 600 ~ansible/.ssh/authorized_keys
cat <<_EOF > /etc/sudoers.d/ansible
Defaults:ansible !requiretty
ansible ALL=(ALL) NOPASSWD: ALL
_EOF
chmod 600 /etc/sudoers.d/ansible
```

Of course, adapt this to your own public SSH key !

Connect a first time

The first time you connect, you have to validate the SSH host key, so, let's do it once, and check everything is OK

```
ansible -m setup -i inventories/fws.ini proxyin.fws.fr
```

You should be prompted to accept the SSH key (which will be recorded in `ssh/known_hosts`), and ansible will output some info about your host. You are now ready to play !

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