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# Install Ansible

NOTE: This install guide is is meant for adding Ansible to Centos6.

Login the NetYCE terminal and execute the following steps.

## Install Python 2.7

```
sudo yum update
cd /tmp
sudo wget https://www.python.org/ftp/python/2.7.16/Python-2.7.16.tgz
sudo tar xzf Python-2.7.16.tgz
cd Python-2.7.16
sudo ./configure --enable-optimizations
sudo make altinstall
sudo /usr/local/bin/python2.7 -V
sudo ln -s /usr/local/bin/python2.7 /usr/bin/python2.7
sudo rm /tmp/Python-2.7.16 -R
sudo rm /tmp/Python-2.7.16.tgz
```

## Install Pip

```
sudo curl "https://bootstrap.pypa.io/get-pip.py" -o "get-pip.py"
sudo /usr/local/bin/python2.7 get-pip.py
```

## Install Netconf plugins/libs

```
sudo yum install libxslt
sudo yum install libxml2
sudo /usr/local/bin/pip install ncclient
sudo /usr/local/bin/pip install jxmlease
```

## Install Ansible

```
sudo rpm -ivh
http://dl.fedoraproject.org/pub/epel/6/i386/epel-release-6-8.noarch.rpm
sudo yum update
sudo yum install ansible -y
ansible --version
```

# Ansible EXAMPLE Template

**Template name:** ansible\_reachable\_test

Required variables to let ansible work with python 2.7:

- ansible\_python\_interpreter: /usr/local/bin/python2.7

```
- name: check reachable hosts
hosts: all
gather_facts: no
vars:
  ansible_python_interpreter: /usr/local/bin/python2.7
cli:
  username: <Rme_user>
  password: <Rme_passwd>
tasks:
  - command: ping -c1 \{\{ inventory_hostname \}\}
    delegate_to: localhost
    register: ping_result
    ignore_errors: no
  - group_by: key=reachable
    when: ping_result|success
```

## Ansible Scenario

### Ansible\_cmd\_job

Description <node> Ansible Playbook job

# Test whether node is live and reachable

Reachable -n <node>

if <error>

Log\_action -n <node> -a Ansible\_job -m "<node> is not Reachable"

stop

endif

Log\_action -n <node> -a Ansible\_job -m "<node> is Reachable"

# Create ansible yml file

config\_create -n <node> -t <template> -f <node>.yml

# Execute ansible command job

ansible\_exec -n <Node\_fqdn> -s <node>.yaml -a "-vvvv"

if <error>

Log\_action -n <node> -a Ansible\_job -m "Failed executing commands"

stop

endif

```
Log_action -n <node> -a Ansible_job -m "Completed executing commands"
```

## Ansible Commandjob

### Commands:

```
# View your template  
{<ans_template>}
```

### Scenario:

```
[parameters]  
template = ansible_reachable_test  
  
[scenario]  
Description <node> Ansible command job...  
task = Ansible_cmd_job  
  
end
```

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