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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>.yaml

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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<https://wiki.netyce.com/> - **Technical documentation**

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