

Troubleshooting - Issues & Solutions

Issue 1:

SSH: Permission denied (publickey)

Solution:

Step 1: log in to ec2 using your .pem key

Step 2: create two files 1. "touch /home/user-name/.ssh/id_rsa" 2. "touch /home/user-name/.ssh/id_rsa.pub"

Step 3: "cat /home/user-name/.ssh/authorized_keys >> /home/user-name/.ssh/id_rsa.pub"

Step 4: "cat /your-private-key.pem >> /home/user-name/.ssh/id_rsa"

id_rsa is the private key in which you need to copy the contents of .pem file. You can do this by bringing your .pem file on master node using WinSCP or other tools.

Also change the file permissions of both id_rsa , id_rsa.pub to "chmod 600 id_rsa" "chmod 600 id_rsa.pub"

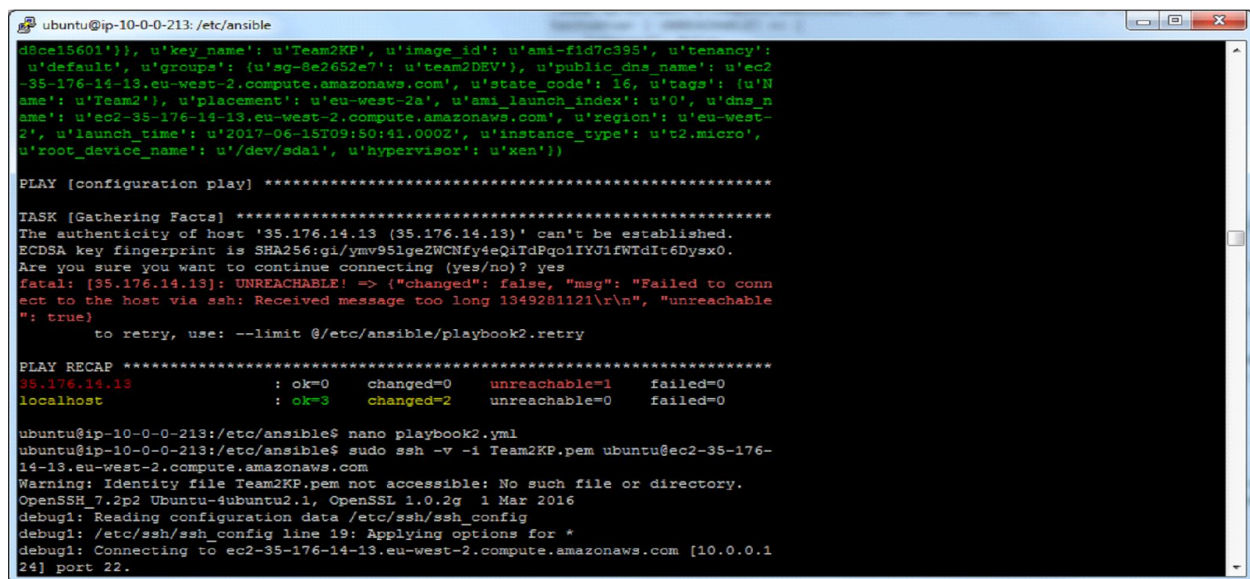
I think that helped with the permission denied error

On master

Link:

<https://forums.aws.amazon.com/message.jspa?messageID=334402>

Issue 2:



```
ubuntu@ip-10-0-0-213: /etc/ansible
d8ce15601}}, u'key_name': u'Team2KP', u'image_id': u'ami-fld7c395', u'tenancy':
u'default', u'groups': (u'sg-8e2652e7': u'team2DEV'), u'public_dns_name': u'ec2
-35-176-14-13.eu-west-2.compute.amazonaws.com', u'state_code': i6, u'tags': (u'N
ame': u'Team2'), u'placement': u'eu-west-2a', u'ami_launch_index': u'0', u'dns_n
ame': u'ec2-35-176-14-13.eu-west-2.compute.amazonaws.com', u'region': u'eu-west-
2', u'launch_time': u'2017-06-15T09:50:41.000Z', u'instance_type': u't2.micro',
u'root_device_name': u'/dev/sdal', u'hypervisor': u'xen'))

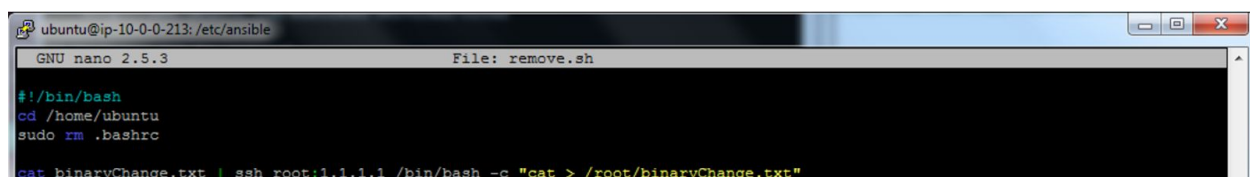
PLAY [configuration play] *****

TASK [Gathering Facts] *****
The authenticity of host '35.176.14.13 (35.176.14.13)' can't be established.
ECDSA key fingerprint is SHA256:gi/ymv95lgeZWCNfy4eQitdPqolYJifWTdIt6Dysx0.
Are you sure you want to continue connecting (yes/no)? yes
fatal: [35.176.14.13]: UNREACHABLE! => {"changed": false, "msg": "Failed to conn
ect to the host via ssh: Received message too long 1349281121\r\n", "unreachable
": true}
  to retry, use: --limit @/etc/ansible/playbook2.retry

PLAY RECAP *****
35.176.14.13      : ok=0    changed=0    unreachable=1    failed=0
localhost        : ok=3    changed=2    unreachable=0    failed=0

ubuntu@ip-10-0-0-213:/etc/ansible$ nano playbook2.yml
ubuntu@ip-10-0-0-213:/etc/ansible$ sudo ssh -v -i Team2KP.pem ubuntu@ec2-35-176-
14-13.eu-west-2.compute.amazonaws.com
Warning: Identity file Team2KP.pem not accessible: No such file or directory.
OpenSSH_7.2p2 Ubuntu-4ubuntu2.1, OpenSSL 1.0.2g  1 Mar 2016
debug1: Reading configuration data /etc/ssh/ssh_config
debug1: /etc/ssh/ssh_config line 19: Applying options for *
debug1: Connecting to ec2-35-176-14-13.eu-west-2.compute.amazonaws.com [10.0.0.1
24] port 22.
```

Solution:



```
ubuntu@ip-10-0-0-213: /etc/ansible
GNU nano 2.5.3      File: remove.sh

#!/bin/bash
cd /home/ubuntu
sudo rm .bashrc

cat binaryChange.txt | ssh root:1.1.1.1 /bin/bash -c "cat > /root/binaryChange.txt"
```

```
cat some-file.txt | ssh root:1.1.1.1 /bin/bash -c "cat > /root/some-new-file.txt">
sudo rm.bashtc
```

Issue 3:

Error /usr/bin/python: not found

Attempted Solutions:

- 1) Install Python 2 on Master
- 2) Redirect python path from python 2 directory to python 3
- 3) Run playbook file locally on agent machine and install dependencies individually

Final Solution:

Install correct version of python on agent to run playbooks
apt-get install -y python2.7 python-simplejson

Issue 4:

```
*****
"Error connecting: Error while fetching server API version: ('Connection aborted.', error(2, 'No such file or directory'))"
*****
```

Solution:

Correct docker dependencies required within playbook file (docker.io & docker-py)

```
tasks:
  - name: install base packages
    apt: pkg={{item}} state=present update_cache=yes
    with_items:
      - git
      - python-pip
      - docker.io

- name: Install Docker
  hosts: ec2hosts2
  become: yes
  user: ubuntu
  gather_facts: true
  tasks:
    - pip:
      name: docker-py
```

Useful Links For Troubleshooting:

<https://github.com/ansible/ansible-modules-core/issues/2951>

<https://github.com/ansible/ansible/issues/19605>