<epam>

Configuration Management. Lection 1.

Automation Configuration Management Tools

ANSIBLE

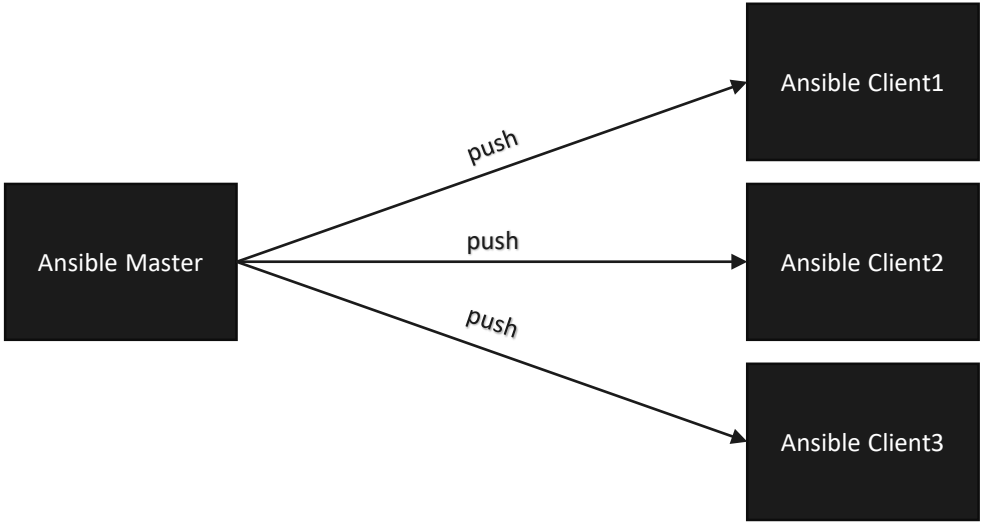
Chef

Puppet

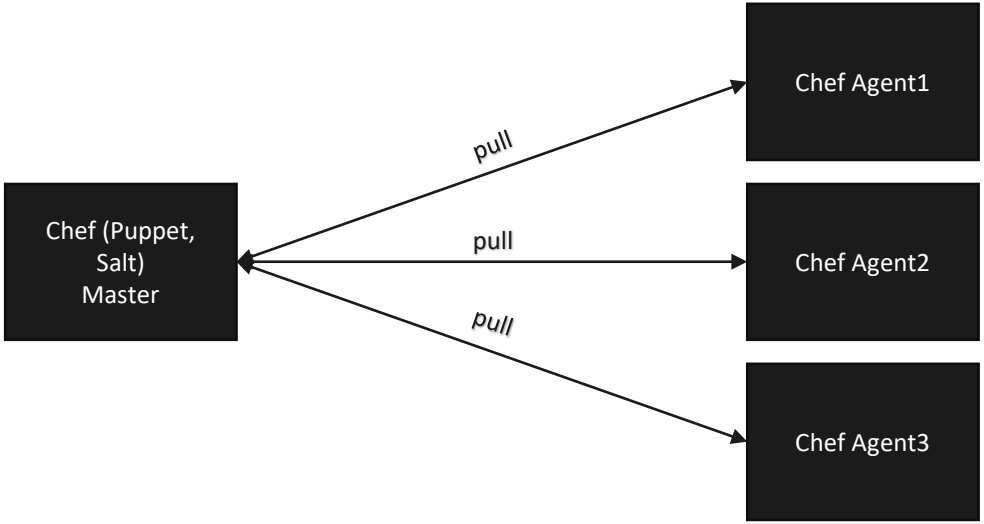
Salt

CFEngine

Automation Configuration Management Tools



Automation Configuration Management Tools



ANSIBLE www.ansible.com

Master (Control) Server Requirements:

1. Linux
2. Python 2.6+ or 3.5+

Controlled Servers Requirements:

1. Linux & admin_credentials & SSH_keys & python2.6+
2. Windows & admin_credentials & PowerShell3.0+ &
   & script (ConfigureRemotingForAnsibe.ps1)

Linux – port 22 (SSH)

Windows – port 5986 (WinRM)

ANSIBLE

www.ansible.com

Ubuntu 16.04

sudo apt-add-repository ppa:ansible/ansible

sudo apt update

sudo apt install ansible

ansible --version

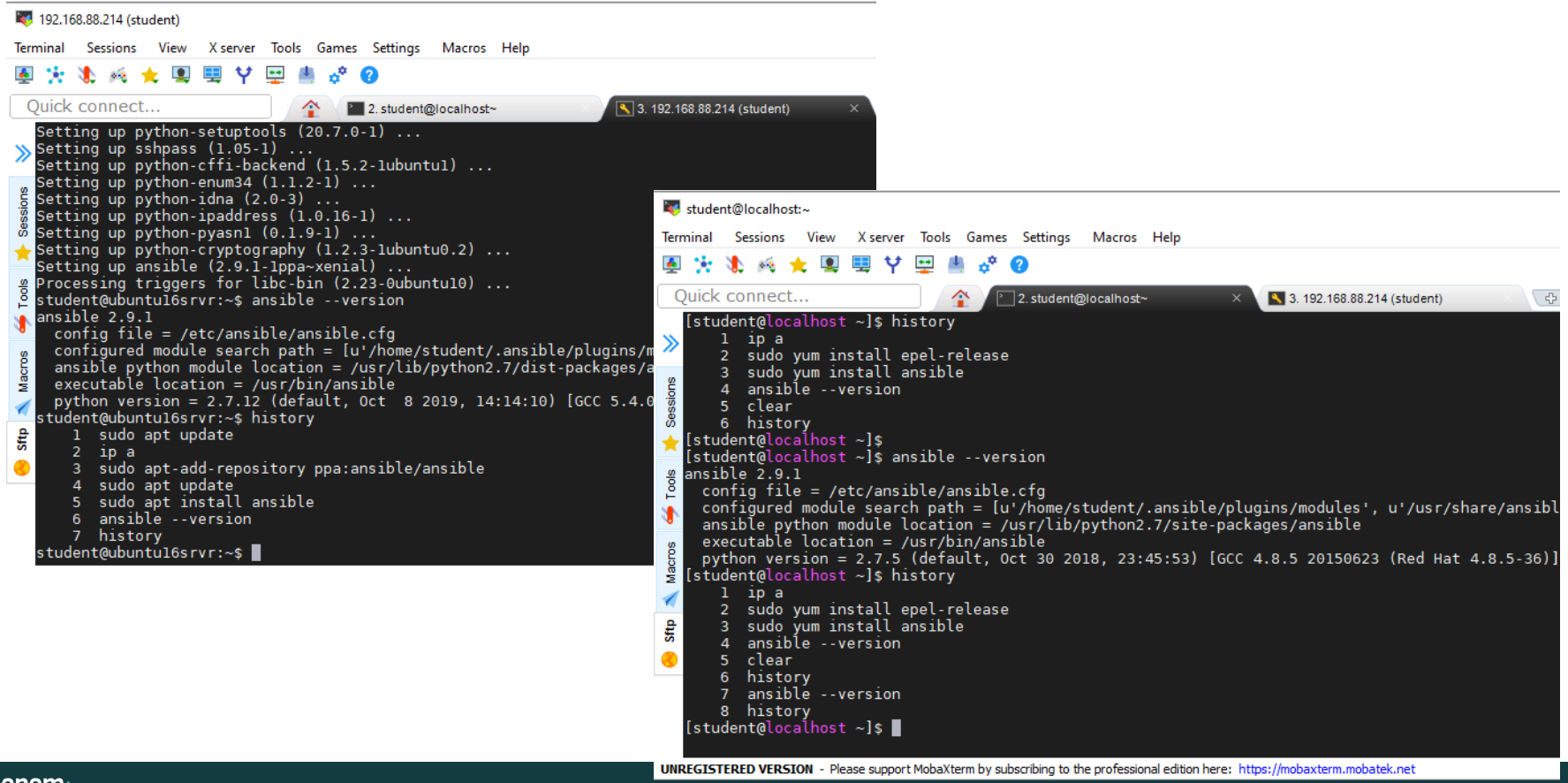
CentOS7

sudo yum install epel-release

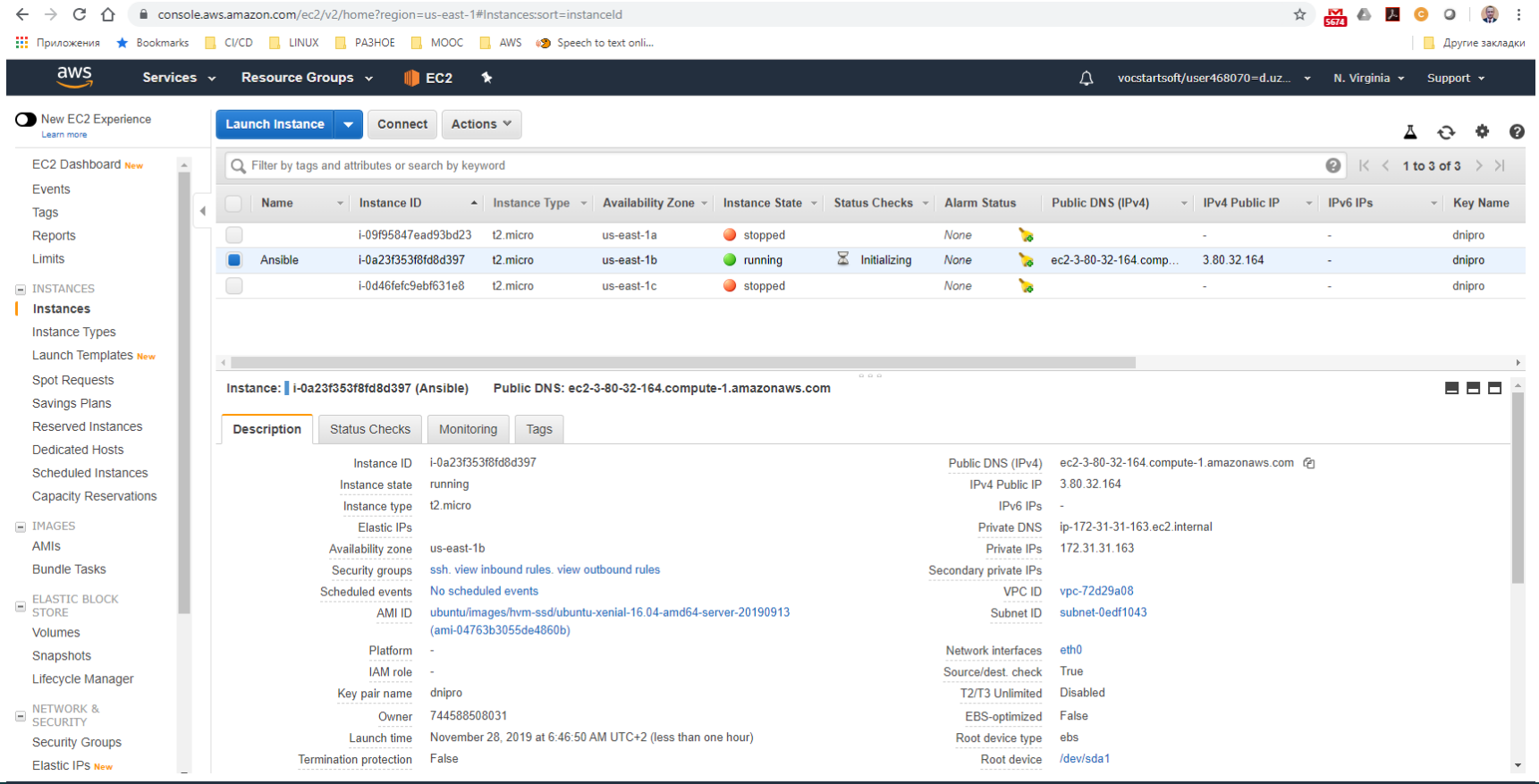
sudo yum install ansible

ansible --version

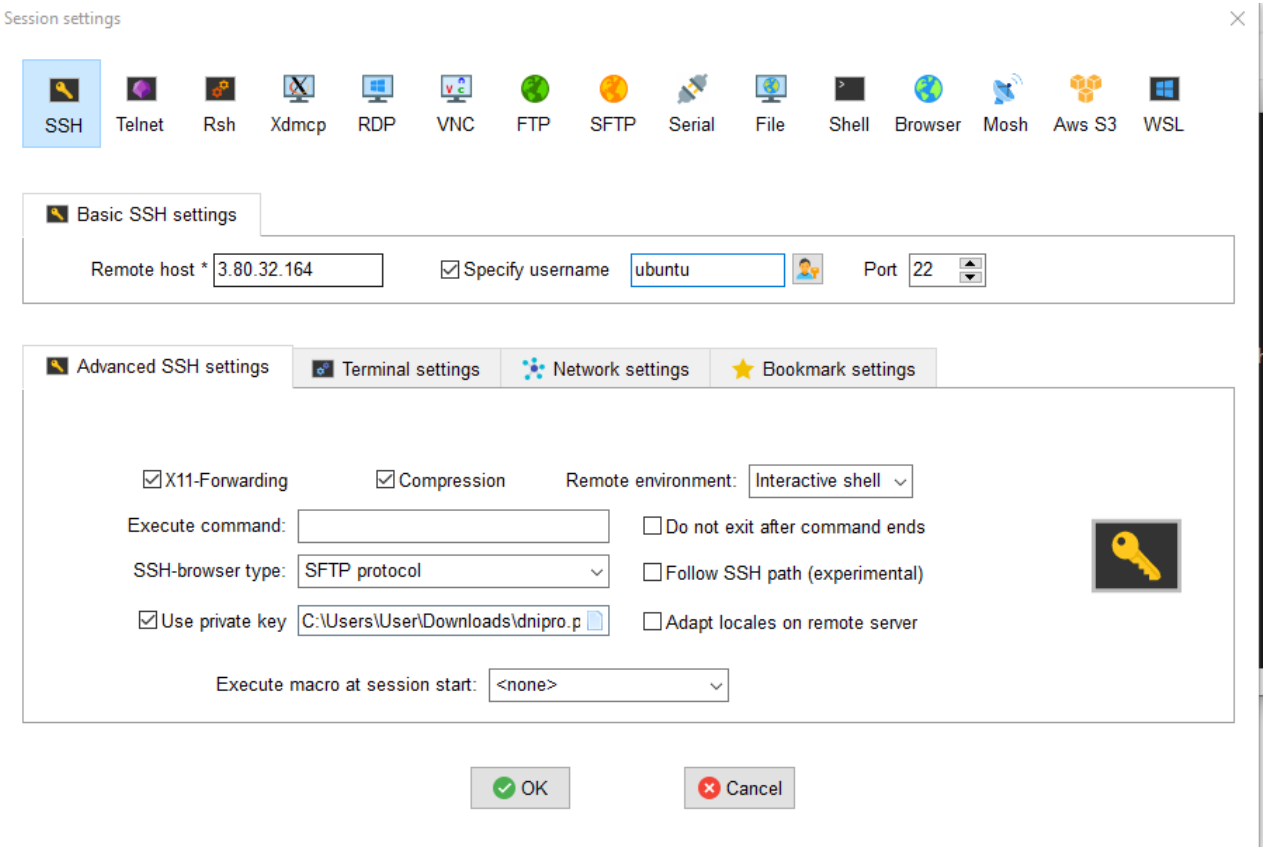
ANSIBLE www.ansible.com



ANSIBLE www.ansible.com



ANSIBLE www.ansible.comc



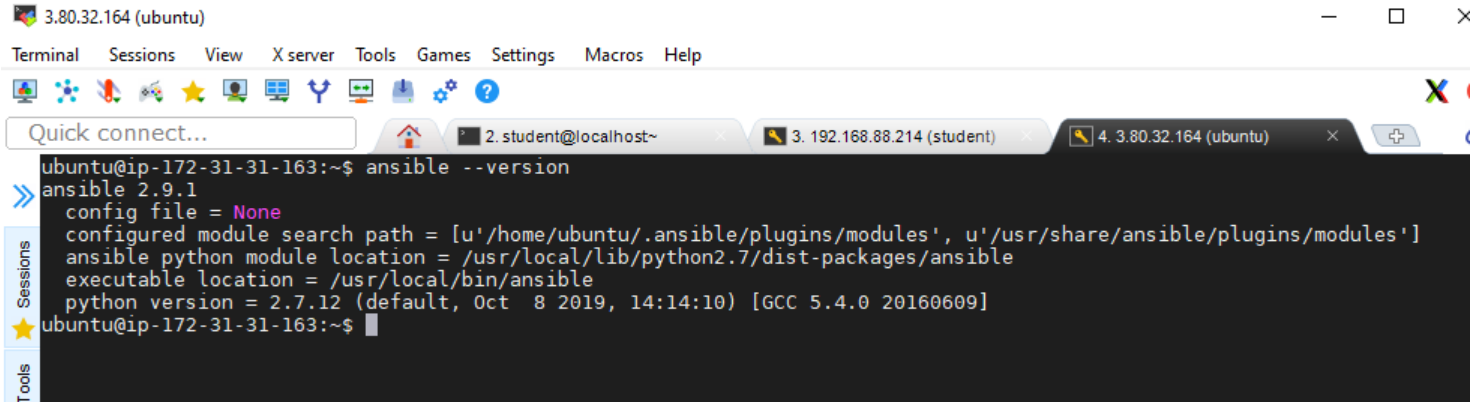
ANSIBLE

www.ansible.com

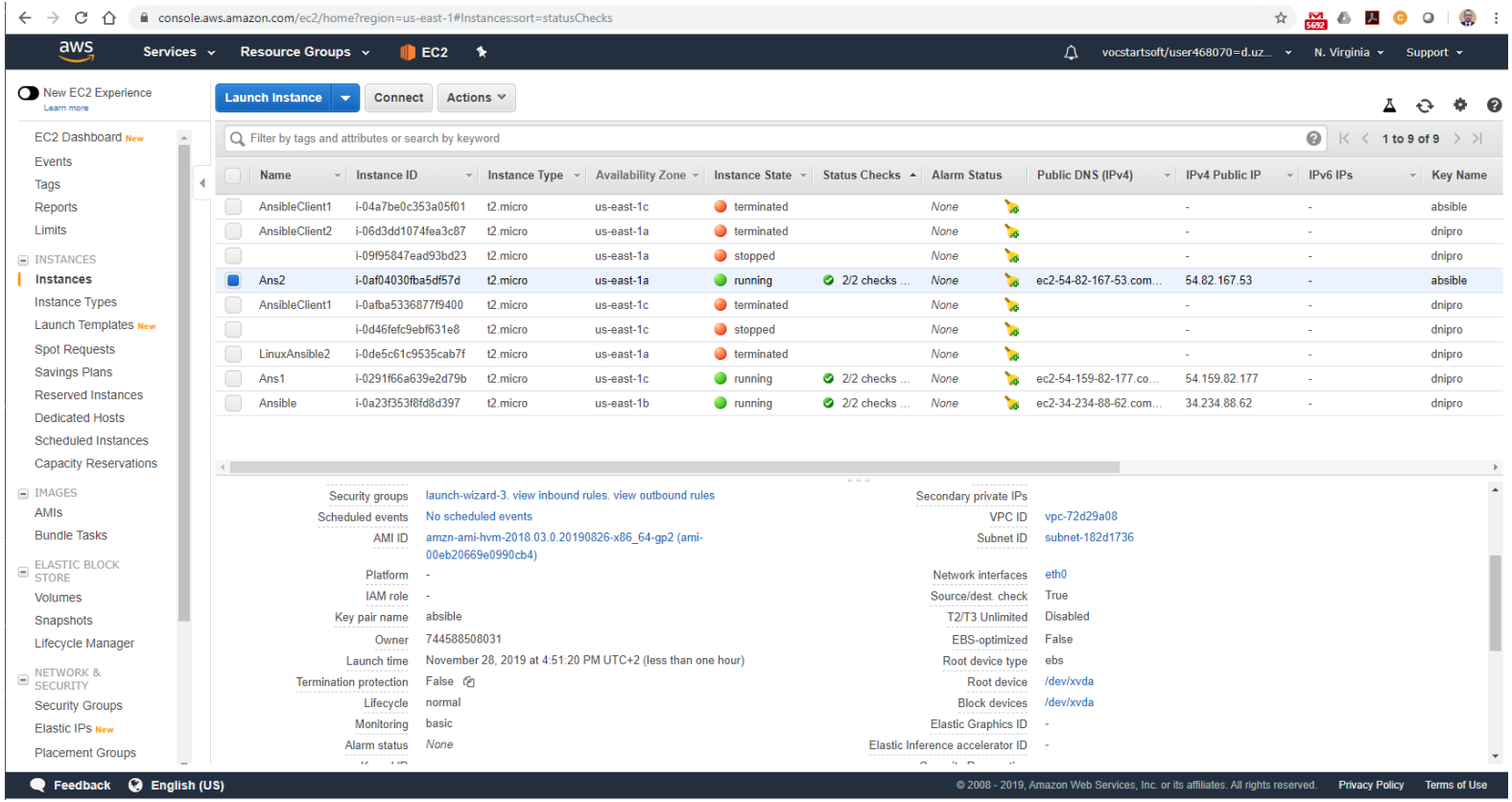
sudo apt install python-pip

sudo pip install ansible

ansible --version



ANSIBLE


console.aws.amazon.com/ec2/home?region=us-east-1#Instances:sort=statusChecks
aws
Services
Resource Groups
EC2
vocstartsoft/user468070=d.uz...
N. Virginia
Support
New EC2 Experience
Learn more
EC2 Dashboard New
Events
Tags
Reports
Limits
INSTANCES
Instances
Instance Types
Launch Templates New
Spot Requests
Savings Plans
Reserved Instances
Dedicated Hosts
Scheduled Instances
Capacity Reservations
IMAGES
AMIs
Bundle Tasks
ELASTIC BLOCK STORE
Volumes
Snapshots
Lifecycle Manager
NETWORK & SECURITY
Security Groups
Elastic IPs New
Placement Groups
Launch Instance
Connect
Actions
Filter by tags and attributes or search by keyword
1 to 9 of 9
Name
Instance ID
Instance Type
Availability Zone
Instance State
Status Checks
Alarm Status
Public DNS (IPv4)
IPv4 Public IP
IPv6 IPs
Key Name
AnsibleClient1 i-04a7be0c353a05f01 t2.micro us-east-1c terminated None - - absible
AnsibleClient2 i-06d3dd1074fea3c87 t2.micro us-east-1a terminated None - - dnipro
i-09f95847ead93bd23 t2.micro us-east-1a stopped None - - dnipro
Ans2 i-0af04030fba5df57d t2.micro us-east-1a running 2/2 checks ... None ec2-54-82-167-53.com... 54.82.167.53 - absible
AnsibleClient1 i-0afba5336877f9400 t2.micro us-east-1c terminated None - - dnipro
i-0d46fefc9ebf631e8 t2.micro us-east-1c stopped None - - dnipro
LinuxAnsible2 i-0de5c61c9535cab7f t2.micro us-east-1a terminated None - - dnipro
Ans1 i-0291f66a639e2d79b t2.micro us-east-1c running 2/2 checks ... None ec2-54-159-82-177.co... 54.159.82.177 - dnipro
Ansible i-0a23f353f8fd8d397 t2.micro us-east-1b running 2/2 checks ... None ec2-34-234-88-62.com... 34.234.88.62 - dnipro
Security groups launch-wizard-3. view inbound rules. view outbound rules
Scheduled events No scheduled events
AMI ID amzn-ami-hvm-2018.03.0.20190826-x86_64-gp2 (ami-00eb20669e0990cb4)
Platform -
IAM role -
Key pair name absible
Owner 744588508031
Launch time November 28, 2019 at 4:51:20 PM UTC+2 (less than one hour)
Termination protection False
Lifecycle normal
Monitoring basic
Alarm status None
Secondary private IPs
VPC ID vpc-72d29a08
Subnet ID subnet-182d1736
Network interfaces eth0
Source/dest. check True
T2/T3 Unlimited Disabled
EBS-optimized False
Root device type ebs
Root device /dev/xvda
Block devices /dev/xvda
Elastic Graphics ID -
Elastic Inference accelerator ID -
Feedback
English (US)
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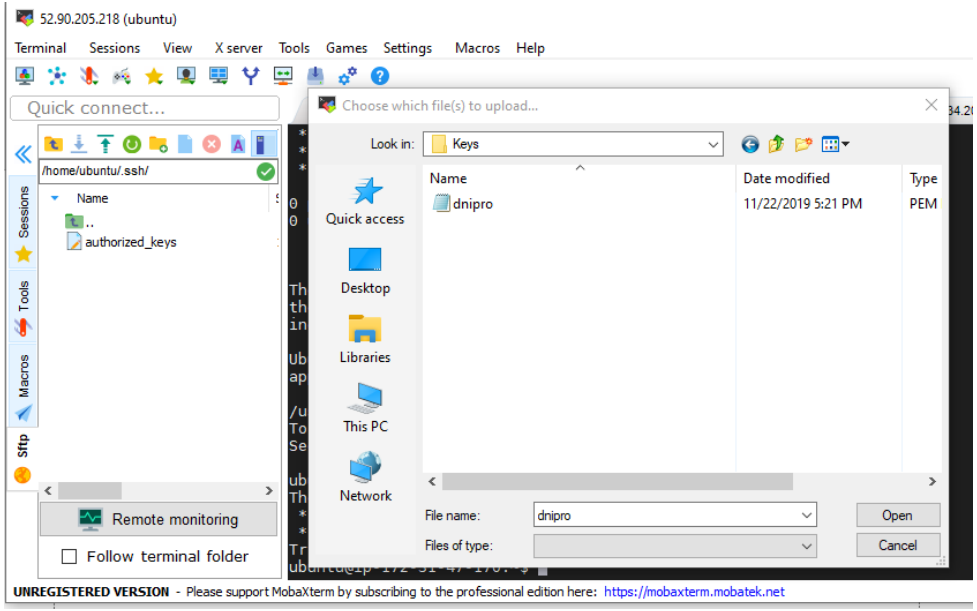
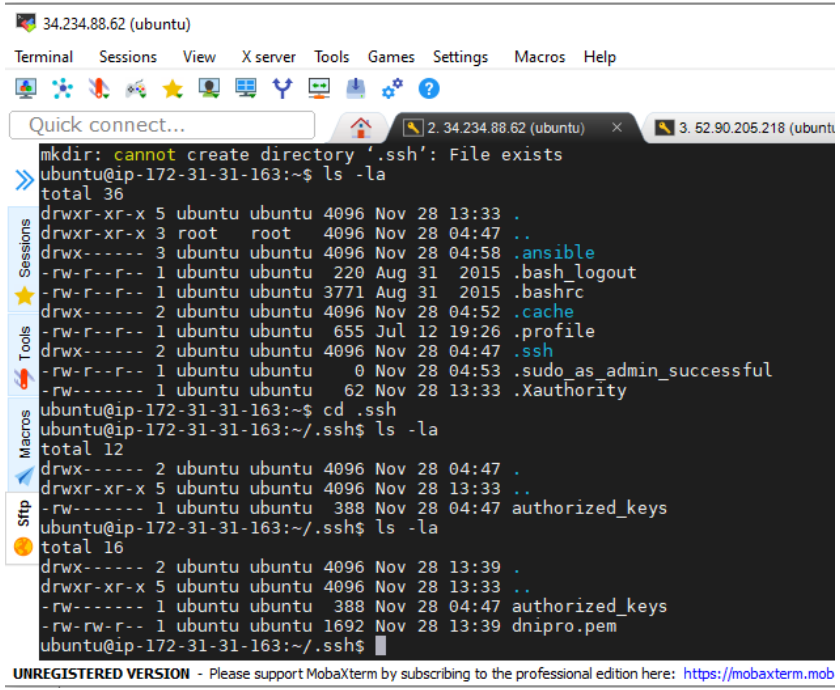
ANSIBLE


52.90.205.218 (ubuntu)
Terminal Sessions View X server Tools Games Settings Macros Help
Quick connect...
/home/ubuntu/.ssh/
Name
..
authorized_keys
Choose which file(s) to upload...
Look in: Keys
Quick access
Desktop
Libraries
This PC
Network
Name
Date modified
Type
dnipro
11/22/2019 5:21 PM
PEM
File name: dnipro
Files of type:
Open
Cancel
Remote monitoring
Follow terminal folder
UNREGISTERED VERSION - Please support MobaXterm by subscribing to the professional edition here: https://mobaxterm.mobatek.net


34.234.88.62 (ubuntu)
Terminal Sessions View X server Tools Games Settings Macros Help
Quick connect...
2. 34.234.88.62 (ubuntu)
3. 52.90.205.218 (ubuntu
mkdir: cannot create directory '.ssh': File exists
ubuntu@ip-172-31-31-163:~$ ls -la
total 36
drwxr-xr-x 5 ubuntu ubuntu 4096 Nov 28 13:33 .
drwxr-xr-x 3 root root 4096 Nov 28 04:47 ..
drwx------ 3 ubuntu ubuntu 4096 Nov 28 04:58 .ansible
-rw-r--r-- 1 ubuntu ubuntu 220 Aug 31 2015 .bash_logout
-rw-r--r-- 1 ubuntu ubuntu 3771 Aug 31 2015 .bashrc
drwx------ 2 ubuntu ubuntu 4096 Nov 28 04:52 .cache
-rw-r--r-- 1 ubuntu ubuntu 655 Jul 12 19:26 .profile
drwx------ 2 ubuntu ubuntu 4096 Nov 28 04:47 .ssh
-rw-r--r-- 1 ubuntu ubuntu 0 Nov 28 04:53 .sudo_as_admin_successful
-rw------- 1 ubuntu ubuntu 62 Nov 28 13:33 .Xauthority
ubuntu@ip-172-31-31-163:~$ cd .ssh
ubuntu@ip-172-31-31-163:~/.ssh$ ls -la
total 12
drwx------ 2 ubuntu ubuntu 4096 Nov 28 04:47 .
drwxr-xr-x 5 ubuntu ubuntu 4096 Nov 28 13:33 ..
-rw------- 1 ubuntu ubuntu 388 Nov 28 04:47 authorized_keys
ubuntu@ip-172-31-31-163:~/.ssh$ ls -la
total 16
drwx------ 2 ubuntu ubuntu 4096 Nov 28 13:39 .
drwxr-xr-x 5 ubuntu ubuntu 4096 Nov 28 13:33 ..
-rw------- 1 ubuntu ubuntu 388 Nov 28 04:47 authorized_keys
-rw-rw-r-- 1 ubuntu ubuntu 1692 Nov 28 13:39 dnipro.pem
ubuntu@ip-172-31-31-163:~/.ssh$
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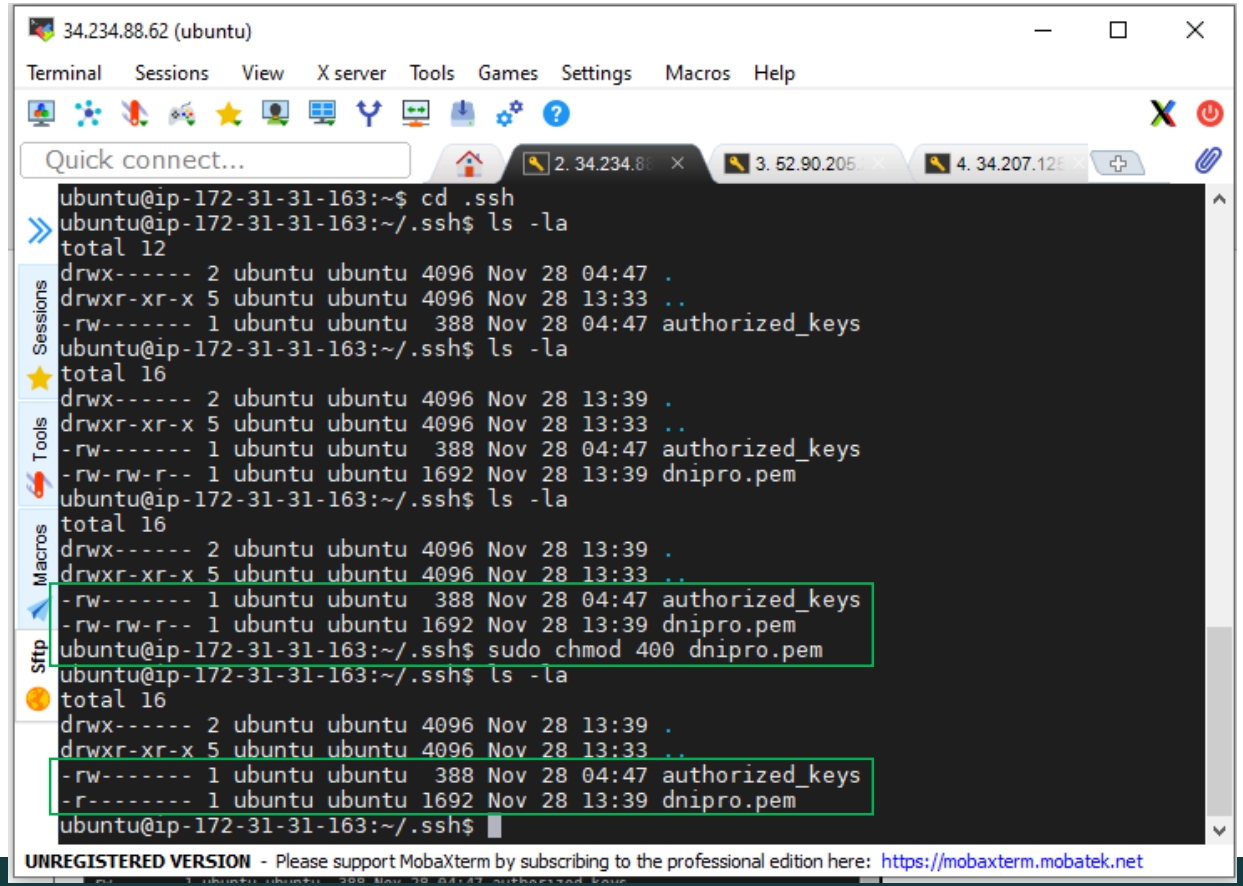
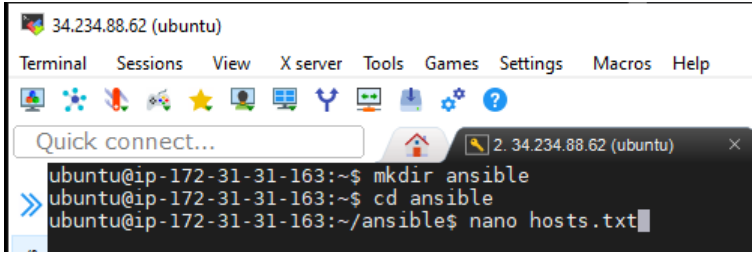
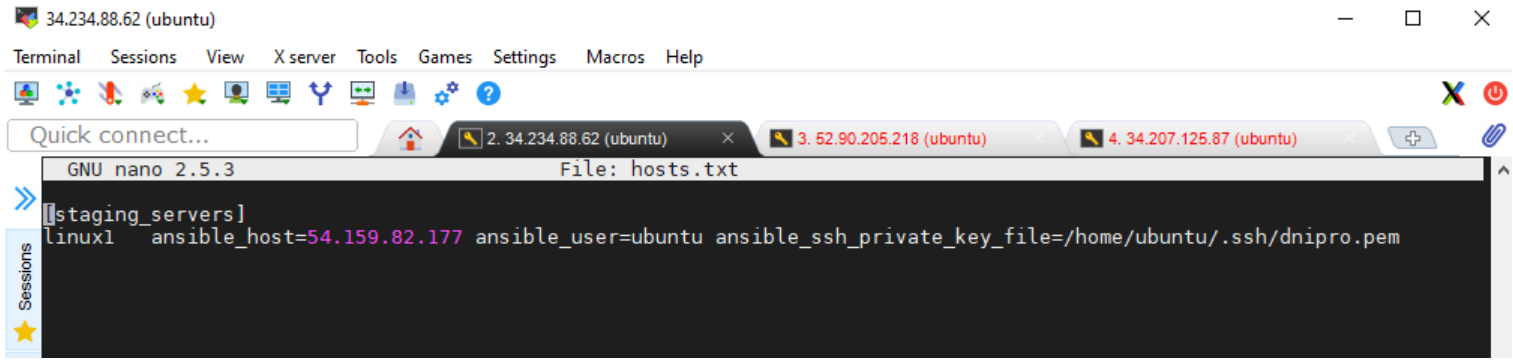
ANSIBLE

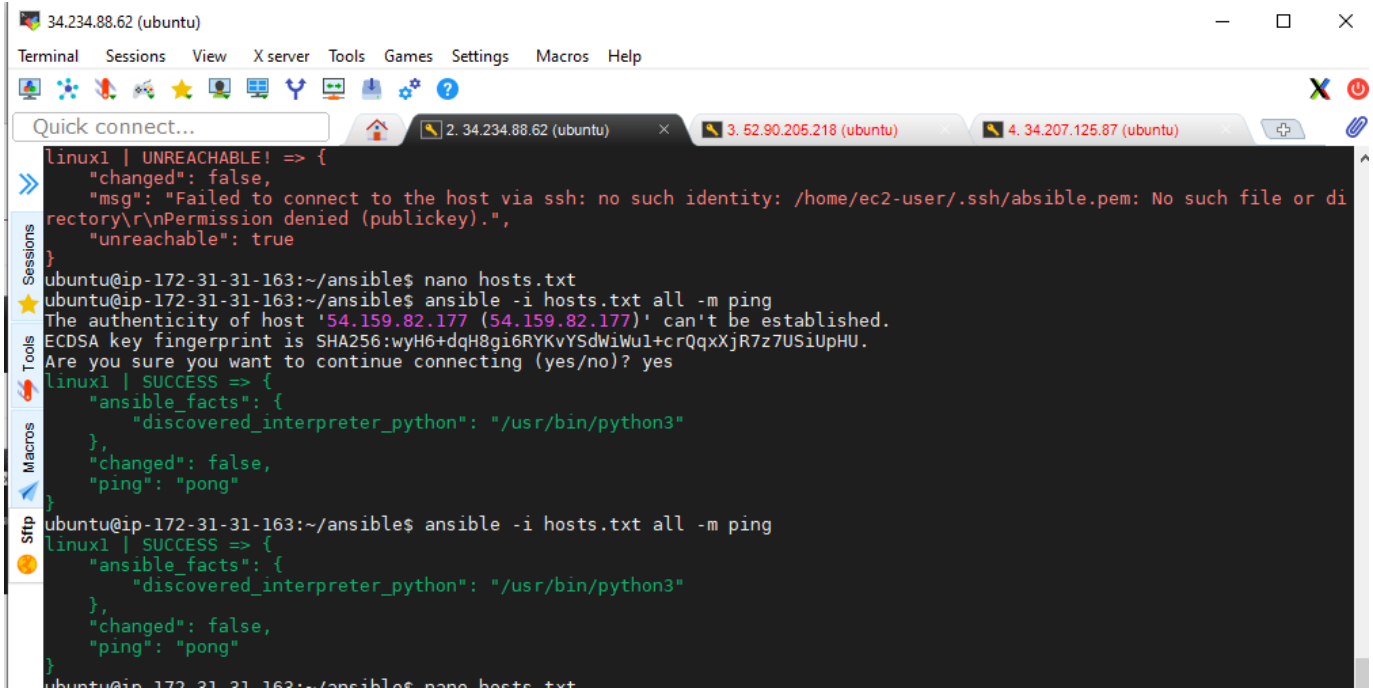

34.234.88.62 (ubuntu)
Terminal Sessions View X server Tools Games Settings Macros Help
Quick connect...
2. 34.234.8
3. 52.90.205
4. 34.207.12
Sessions
Tools
Macros
Sftp
ubuntu@ip-172-31-31-163:~$ cd .ssh
ubuntu@ip-172-31-31-163:~/.ssh$ ls -la
total 12
drwx------ 2 ubuntu ubuntu 4096 Nov 28 04:47 .
drwxr-xr-x 5 ubuntu ubuntu 4096 Nov 28 13:33 ..
-rw------- 1 ubuntu ubuntu 388 Nov 28 04:47 authorized_keys
ubuntu@ip-172-31-31-163:~/.ssh$ ls -la
total 16
drwx------ 2 ubuntu ubuntu 4096 Nov 28 13:39 .
drwxr-xr-x 5 ubuntu ubuntu 4096 Nov 28 13:33 ..
-rw------- 1 ubuntu ubuntu 388 Nov 28 04:47 authorized_keys
-rw-rw-r-- 1 ubuntu ubuntu 1692 Nov 28 13:39 dnipro.pem
ubuntu@ip-172-31-31-163:~/.ssh$ ls -la
total 16
drwx------ 2 ubuntu ubuntu 4096 Nov 28 13:39 .
drwxr-xr-x 5 ubuntu ubuntu 4096 Nov 28 13:33 ..
-rw------- 1 ubuntu ubuntu 388 Nov 28 04:47 authorized_keys
-rw-rw-r-- 1 ubuntu ubuntu 1692 Nov 28 13:39 dnipro.pem
ubuntu@ip-172-31-31-163:~/.ssh$ sudo chmod 400 dnipro.pem
ubuntu@ip-172-31-31-163:~/.ssh$ ls -la
total 16
drwx------ 2 ubuntu ubuntu 4096 Nov 28 13:39 .
drwxr-xr-x 5 ubuntu ubuntu 4096 Nov 28 13:33 ..
-rw------- 1 ubuntu ubuntu 388 Nov 28 04:47 authorized_keys
-r-------- 1 ubuntu ubuntu 1692 Nov 28 13:39 dnipro.pem
ubuntu@ip-172-31-31-163:~/.ssh$
UNREGISTERED VERSION - Please support MobaXterm by subscribing to the professional edition here: https://mobaxterm.mobatek.net

ANSIBLE

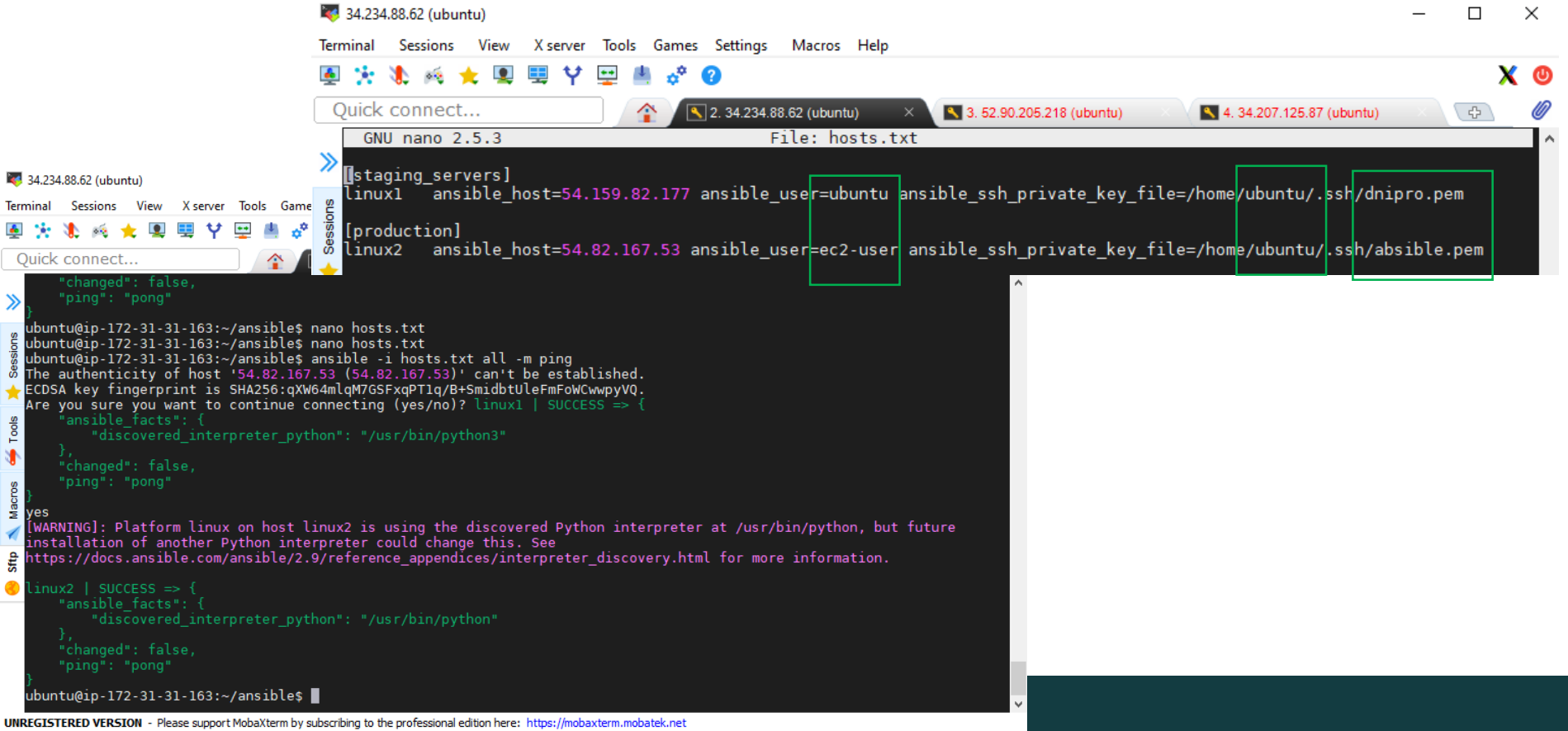

34.234.88.62 (ubuntu)
Terminal Sessions View X server Tools Games Settings Macros Help
Quick connect...
2. 34.234.88.62 (ubuntu)
ubuntu@ip-172-31-31-163:~$ mkdir ansible
ubuntu@ip-172-31-31-163:~$ cd ansible
ubuntu@ip-172-31-31-163:~/ansible$ nano hosts.txt


34.234.88.62 (ubuntu)
Terminal Sessions View X server Tools Games Settings Macros Help
Quick connect...
2. 34.234.88.62 (ubuntu)
3. 52.90.205.218 (ubuntu)
4. 34.207.125.87 (ubuntu)
GNU nano 2.5.3 File: hosts.txt
[staging_servers]
linux1 ansible_host=54.159.82.177 ansible_user=ubuntu ansible_ssh_private_key_file=/home/ubuntu/.ssh/dnipro.pem
Sessions

ANSIBLE


34.234.88.62 (ubuntu)
Terminal Sessions View X server Tools Games Settings Macros Help
Quick connect...
2. 34.234.88.62 (ubuntu)
3. 52.90.205.218 (ubuntu)
4. 34.207.125.87 (ubuntu)
Sessions
Tools
Macros
Sftp
linux1 | UNREACHABLE! => {
"changed": false,
"msg": "Failed to connect to the host via ssh: no such identity: /home/ec2-user/.ssh/absible.pem: No such file or directory\r\nPermission denied (publickey).",
"unreachable": true
}
ubuntu@ip-172-31-31-163:~/ansible$ nano hosts.txt
ubuntu@ip-172-31-31-163:~/ansible$ ansible -i hosts.txt all -m ping
The authenticity of host '54.159.82.177 (54.159.82.177)' can't be established.
ECDSA key fingerprint is SHA256:wyH6+dqH8gi6RYKvYSdWiWu1+crQqxXjR7z7USiUpHU.
Are you sure you want to continue connecting (yes/no)? yes
linux1 | SUCCESS => {
"ansible_facts": {
"discovered_interpreter_python": "/usr/bin/python3"
},
"changed": false,
"ping": "pong"
}
ubuntu@ip-172-31-31-163:~/ansible$ ansible -i hosts.txt all -m ping
linux1 | SUCCESS => {
"ansible_facts": {
"discovered_interpreter_python": "/usr/bin/python3"
},
"changed": false,
"ping": "pong"
}

ANSIBLE


34.234.88.62 (ubuntu)
Terminal Sessions View X server Tools Games Settings Macros Help
Quick connect...
2. 34.234.88.62 (ubuntu)
3. 52.90.205.218 (ubuntu)
4. 34.207.125.87 (ubuntu)
GNU nano 2.5.3 File: hosts.txt
[staging_servers]
linux1 ansible_host=54.159.82.177 ansible_user=ubuntu ansible_ssh_private_key_file=/home/ubuntu/.ssh/dnipro.pem
[production]
linux2 ansible_host=54.82.167.53 ansible_user=ec2-user ansible_ssh_private_key_file=/home/ubuntu/.ssh/absible.pem
34.234.88.62 (ubuntu)
Terminal Sessions View X server Tools Game
Quick connect...
Sessions
Tools
Macros
Sftp
"changed": false,
"ping": "pong"
}
ubuntu@ip-172-31-31-163:~/ansible$ nano hosts.txt
ubuntu@ip-172-31-31-163:~/ansible$ nano hosts.txt
ubuntu@ip-172-31-31-163:~/ansible$ ansible -i hosts.txt all -m ping
The authenticity of host '54.82.167.53 (54.82.167.53)' can't be established.
ECDSA key fingerprint is SHA256:qXW64mlqM7GSFxqPT1q/B+SmidbtUleFmFoWCwwpyVQ.
Are you sure you want to continue connecting (yes/no)? linux1 | SUCCESS => {
"ansible_facts": {
"discovered_interpreter_python": "/usr/bin/python3"
},
"changed": false,
"ping": "pong"
}
yes
[WARNING]: Platform linux on host linux2 is using the discovered Python interpreter at /usr/bin/python, but future installation of another Python interpreter could change this. See https://docs.ansible.com/ansible/2.9/reference_appendices/interpreter_discovery.html for more information.
linux2 | SUCCESS => {
"ansible_facts": {
"discovered_interpreter_python": "/usr/bin/python"
},
"changed": false,
"ping": "pong"
}
ubuntu@ip-172-31-31-163:~/ansible$
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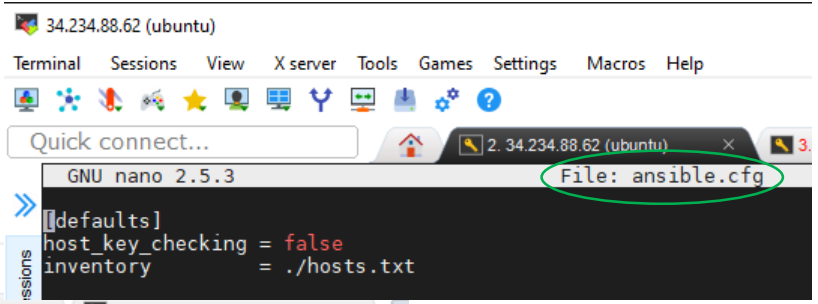
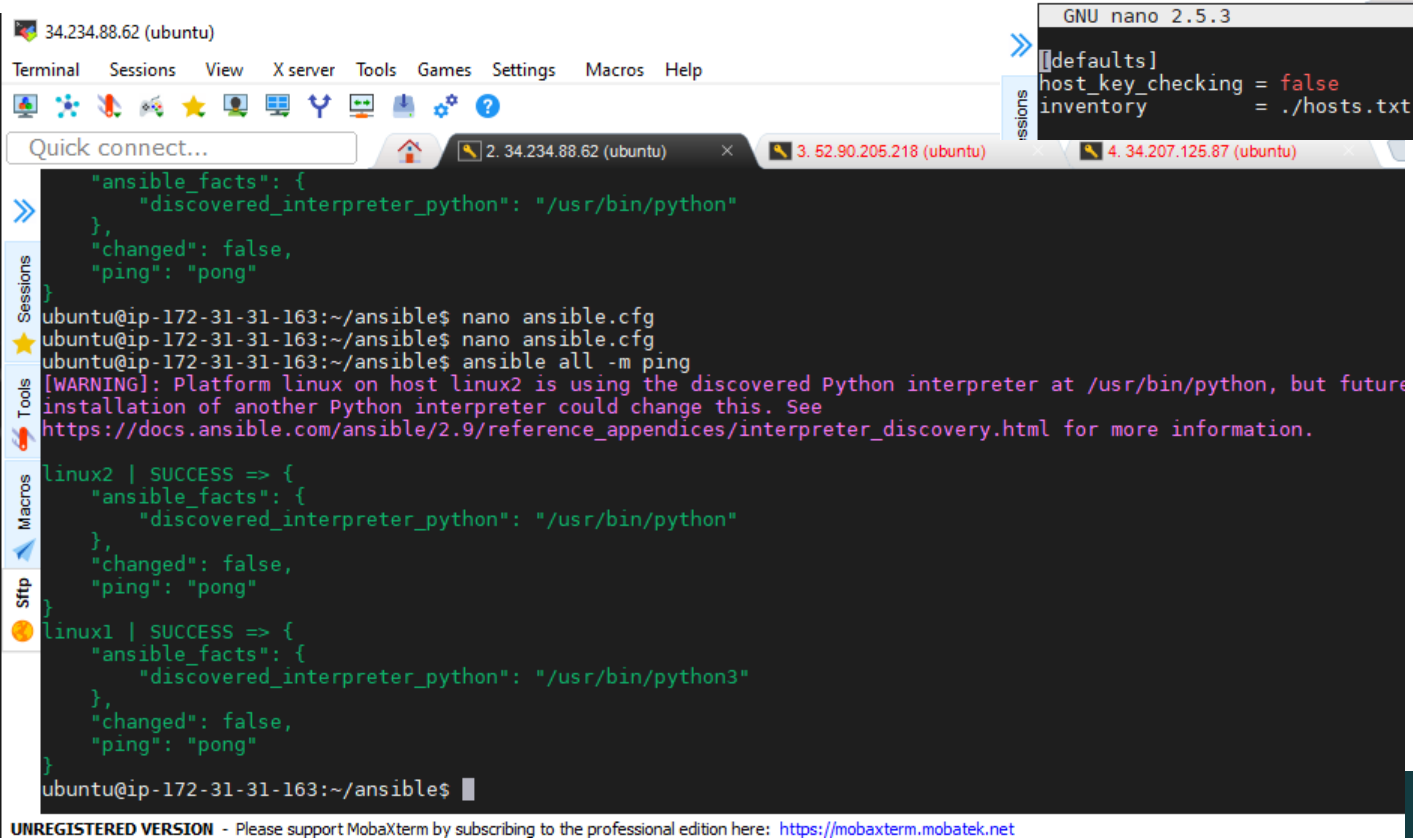
ANSIBLE


34.234.88.62 (ubuntu)
Terminal Sessions View X server Tools Games Settings Macros Help
Quick connect...
2. 34.234.88.62 (ubuntu)
GNU nano 2.5.3 File: ansible.cfg
[defaults]
host_key_checking = false
inventory = ./hosts.txt


34.234.88.62 (ubuntu)
Terminal Sessions View X server Tools Games Settings Macros Help
Quick connect...
2. 34.234.88.62 (ubuntu)
3. 52.90.205.218 (ubuntu)
4. 34.207.125.87 (ubuntu)
Sessions
Tools
Macros
Sftp
"ansible_facts": {
"discovered_interpreter_python": "/usr/bin/python"
},
"changed": false,
"ping": "pong"
}
ubuntu@ip-172-31-31-163:~/ansible$ nano ansible.cfg
ubuntu@ip-172-31-31-163:~/ansible$ nano ansible.cfg
ubuntu@ip-172-31-31-163:~/ansible$ ansible all -m ping
[WARNING]: Platform linux on host linux2 is using the discovered Python interpreter at /usr/bin/python, but future
installation of another Python interpreter could change this. See
https://docs.ansible.com/ansible/2.9/reference_appendices/interpreter_discovery.html for more information.
linux2 | SUCCESS => {
"ansible_facts": {
"discovered_interpreter_python": "/usr/bin/python"
},
"changed": false,
"ping": "pong"
}
linux1 | SUCCESS => {
"ansible_facts": {
"discovered_interpreter_python": "/usr/bin/python3"
},
"changed": false,
"ping": "pong"
}
ubuntu@ip-172-31-31-163:~/ansible$
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ANSIBLE

34.234.88.62 (ubuntu)

Terminal Sessions View X server Tools Games Settings Macros Help

Quick connect...

2. 34.234.88.62 (ubuntu) | 3. 52.90.205.218 (ubuntu) | 4. 34.207.125.87 (ubuntu)

```
GNU nano 2.5.3                    File: hosts.txt

[staging_servers]
linux1   ansible_host=54.159.82.177 ansible_user=ubuntu ansible_ssh_private_key_file=/home/ubuntu/.ssh/dnipro.pem

[test]
linux3   ansible_host=3.92.133.39 ansible_user=ec2-user ansible_ssh_private_key_file=/home/ubuntu/.ssh/absible.pem

[production]
linux2   ansible_host=54.82.167.53 ansible_user=ec2-user ansible_ssh_private_key_file=/home/ubuntu/.ssh/absible.pem
```

34.234.88.62 (ubuntu)

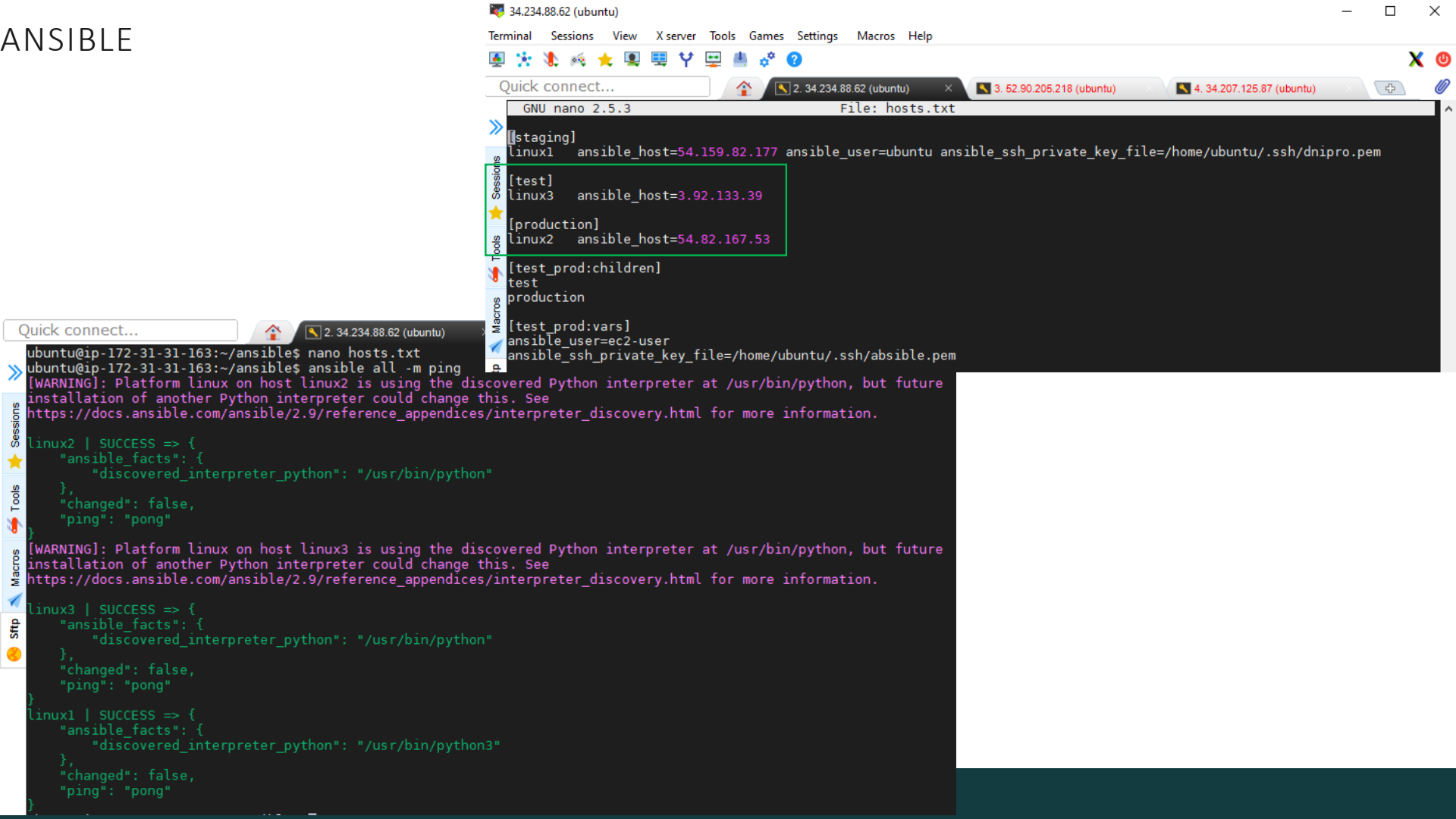
Terminal Sessions View X server Tools Games Settings Macros He

Quick connect...

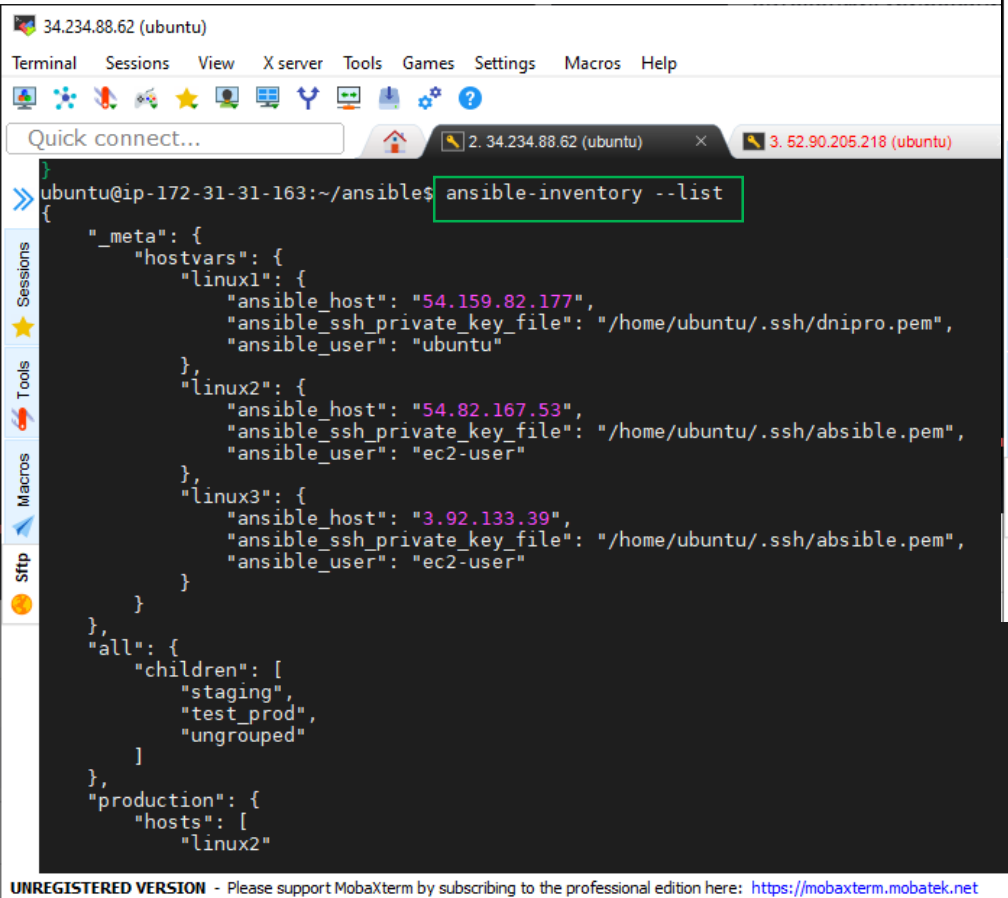
2. 34.234.88.62 (ubuntu)

```
ubuntu@ip-172-31-31-163:~/ansible$ nano ansible.cfg
ubuntu@ip-172-31-31-163:~/ansible$ ansible all -m ping
[WARNING]: Platform linux on host linux2 is using the discovered Python interpreter at /usr/bin/python, but future
installation of another Python interpreter could change this. See
https://docs.ansible.com/ansible/2.9/reference_appendices/interpreter_discovery.html for more information.

linux2 | SUCCESS => {
    "ansible_facts": {
        "discovered_interpreter_python": "/usr/bin/python"
    },
    "changed": false,
    "ping": "pong"
}
[WARNING]: Platform linux on host linux3 is using the discovered Python interpreter at /usr/bin/python, but future
installation of another Python interpreter could change this. See
https://docs.ansible.com/ansible/2.9/reference_appendices/interpreter_discovery.html for more information.

linux3 | SUCCESS => {
    "ansible_facts": {
        "discovered_interpreter_python": "/usr/bin/python"
    },
    "changed": false,
    "ping": "pong"
}
linux1 | SUCCESS => {
    "ansible_facts": {
        "discovered_interpreter_python": "/usr/bin/python3"
    },
    "changed": false,
    "ping": "pong"
}
ubuntu@ip-172-31-31-163:~/ansible$
```

ANSIBLE


34.234.88.62 (ubuntu)
Terminal Sessions View X server Tools Games Settings Macros Help
Quick connect...
2. 34.234.88.62 (ubuntu)
3. 52.90.205.218 (ubuntu)
4. 34.207.125.87 (ubuntu)
GNU nano 2.5.3 File: hosts.txt
[staging]
linux1 ansible_host=54.159.82.177 ansible_user=ubuntu ansible_ssh_private_key_file=/home/ubuntu/.ssh/dnipro.pem
[test]
linux3 ansible_host=3.92.133.39
[production]
linux2 ansible_host=54.82.167.53
[test_prod:children]
test
production
[test_prod:vars]
ansible_user=ec2-user
ansible_ssh_private_key_file=/home/ubuntu/.ssh/absible.pem
Sessions
Tools
Macros
Sftp
Quick connect...
2. 34.234.88.62 (ubuntu)
ubuntu@ip-172-31-31-163:~/ansible$ nano hosts.txt
ubuntu@ip-172-31-31-163:~/ansible$ ansible all -m ping
[WARNING]: Platform linux on host linux2 is using the discovered Python interpreter at /usr/bin/python, but future installation of another Python interpreter could change this. See https://docs.ansible.com/ansible/2.9/reference_appendices/interpreter_discovery.html for more information.
linux2 | SUCCESS => {
"ansible_facts": {
"discovered_interpreter_python": "/usr/bin/python"
},
"changed": false,
"ping": "pong"
}
[WARNING]: Platform linux on host linux3 is using the discovered Python interpreter at /usr/bin/python, but future installation of another Python interpreter could change this. See https://docs.ansible.com/ansible/2.9/reference_appendices/interpreter_discovery.html for more information.
linux3 | SUCCESS => {
"ansible_facts": {
"discovered_interpreter_python": "/usr/bin/python"
},
"changed": false,
"ping": "pong"
}
linux1 | SUCCESS => {
"ansible_facts": {
"discovered_interpreter_python": "/usr/bin/python3"
},
"changed": false,
"ping": "pong"
}

ANSIBLE


34.234.88.62 (ubuntu)
Terminal Sessions View X server Tools Games Settings Macros Help
Quick connect...
2. 34.234.88.62 (ubuntu)
3. 52.90.205.218 (ubuntu)
Sessions
Tools
Macros
Sftp
}
ubuntu@ip-172-31-31-163:~/ansible$ ansible-inventory --list
{
"_meta": {
"hostvars": {
"linux1": {
"ansible_host": "54.159.82.177",
"ansible_ssh_private_key_file": "/home/ubuntu/.ssh/dnipro.pem",
"ansible_user": "ubuntu"
},
"linux2": {
"ansible_host": "54.82.167.53",
"ansible_ssh_private_key_file": "/home/ubuntu/.ssh/absible.pem",
"ansible_user": "ec2-user"
},
"linux3": {
"ansible_host": "3.92.133.39",
"ansible_ssh_private_key_file": "/home/ubuntu/.ssh/absible.pem",
"ansible_user": "ec2-user"
}
}
},
"all": {
"children": [
"staging",
"test_prod",
"ungrouped"
]
},
"production": {
"hosts": [
"linux2"
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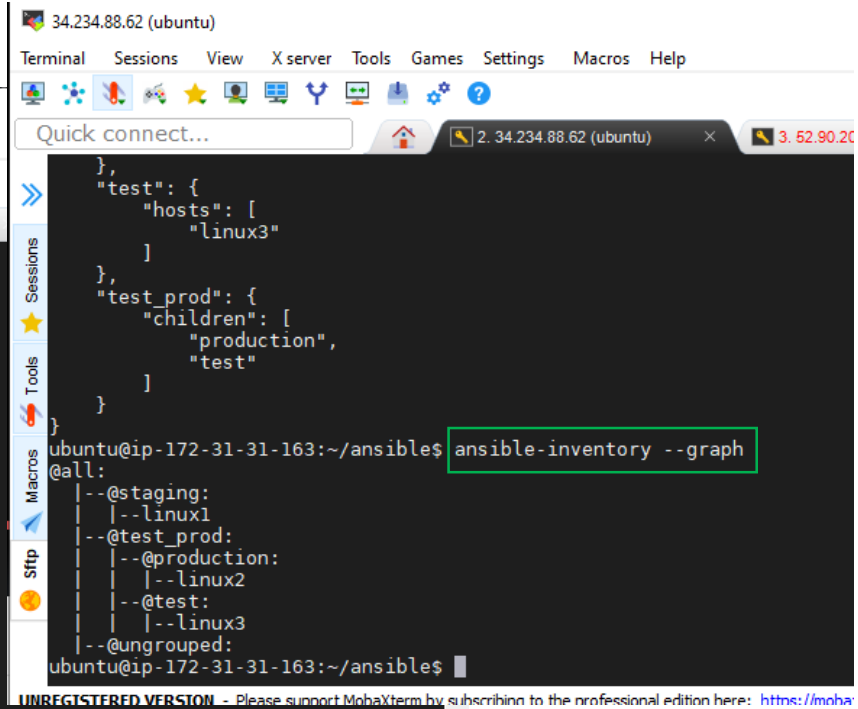
34.234.88.62 (ubuntu)
Terminal Sessions View X server Tools Games Settings Macros Help
Quick connect...
2. 34.234.88.62 (ubuntu)
Sessions
Tools
Macros
Sftp
},
"test": {
"hosts": [
"linux3"
]
},
"test_prod": {
"children": [
"production",
"test"
]
}
}
ubuntu@ip-172-31-31-163:~/ansible$ ansible-inventory --graph
@all:
|--@staging:
| |--linux1
|--@test_prod:
| |--@production:
| | |--linux2
| |--@test:
| | |--linux3
|--@ungrouped:
ubuntu@ip-172-31-31-163:~/ansible$
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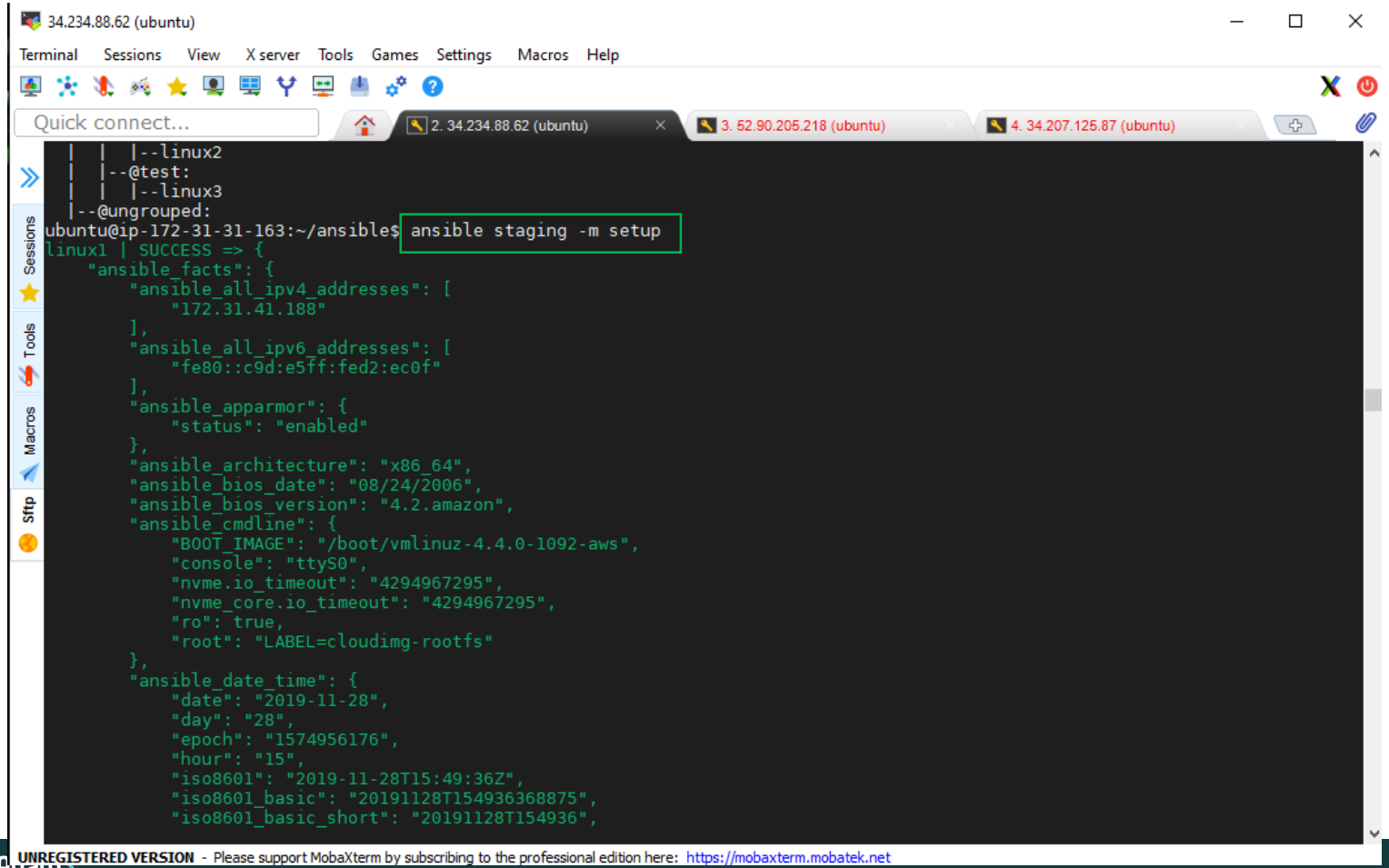
34.234.88.62 (ubuntu)
Terminal Sessions View X server Tools Games Settings Macros Help
Quick connect...
2. 34.234.88.62 (ubuntu)
3. 52.90.205.218 (ubuntu)
4. 34.207.125.87 (ubuntu)
Sessions
Tools
Macros
Sftp
| | |--linux2
| |--@test:
| | |--linux3
|--@ungrouped:
ubuntu@ip-172-31-31-163:~/ansible$ ansible staging -m setup
linux1 | SUCCESS => {
"ansible_facts": {
"ansible_all_ipv4_addresses": [
"172.31.41.188"
],
"ansible_all_ipv6_addresses": [
"fe80::c9d:e5ff:fed2:ec0f"
],
"ansible_apparmor": {
"status": "enabled"
},
"ansible_architecture": "x86_64",
"ansible_bios_date": "08/24/2006",
"ansible_bios_version": "4.2.amazon",
"ansible_cmdline": {
"BOOT_IMAGE": "/boot/vmlinuz-4.4.0-1092-aws",
"console": "ttyS0",
"nvme.io_timeout": "4294967295",
"nvme_core.io_timeout": "4294967295",
"ro": true,
"root": "LABEL=cloudimg-rootfs"
},
"ansible_date_time": {
"date": "2019-11-28",
"day": "28",
"epoch": "1574956176",
"hour": "15",
"iso8601": "2019-11-28T15:49:36Z",
"iso8601_basic": "20191128T154936368875",
"iso8601_basic_short": "20191128T154936",
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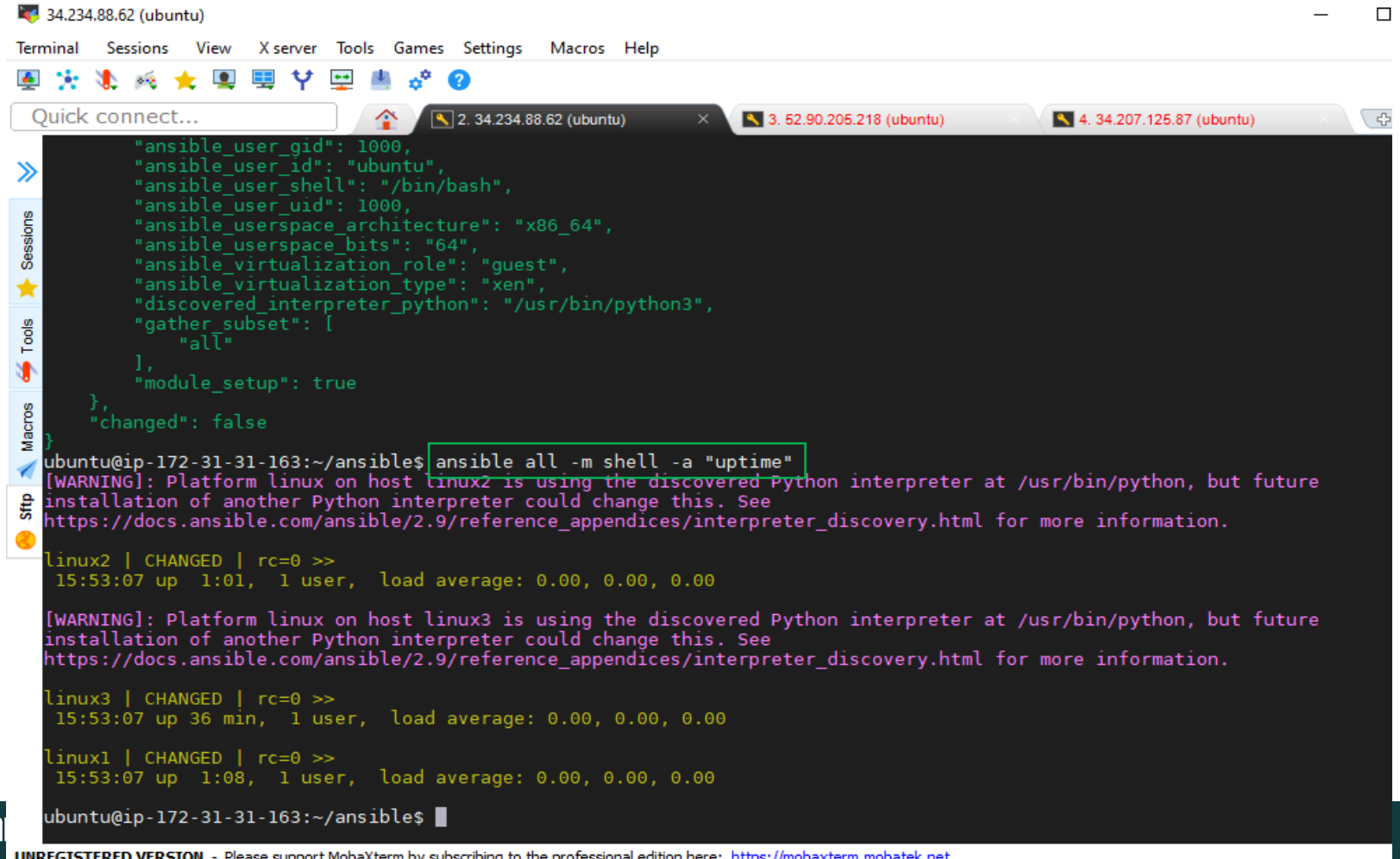
34.234.88.62 (ubuntu)
Terminal Sessions View X server Tools Games Settings Macros Help
Quick connect...
2. 34.234.88.62 (ubuntu)
3. 52.90.205.218 (ubuntu)
4. 34.207.125.87 (ubuntu)
Sessions
Tools
Macros
Sftp
"ansible_user_gid": 1000,
"ansible_user_id": "ubuntu",
"ansible_user_shell": "/bin/bash",
"ansible_user_uid": 1000,
"ansible_userspace_architecture": "x86_64",
"ansible_userspace_bits": "64",
"ansible_virtualization_role": "guest",
"ansible_virtualization_type": "xen",
"discovered_interpreter_python": "/usr/bin/python3",
"gather_subset": [
"all"
],
"module_setup": true
},
"changed": false
}
ubuntu@ip-172-31-31-163:~/ansible$ ansible all -m shell -a "uptime"
[WARNING]: Platform linux on host linux2 is using the discovered Python interpreter at /usr/bin/python, but future installation of another Python interpreter could change this. See https://docs.ansible.com/ansible/2.9/reference_appendices/interpreter_discovery.html for more information.
linux2 | CHANGED | rc=0 >>
15:53:07 up 1:01, 1 user, load average: 0.00, 0.00, 0.00
[WARNING]: Platform linux on host linux3 is using the discovered Python interpreter at /usr/bin/python, but future installation of another Python interpreter could change this. See https://docs.ansible.com/ansible/2.9/reference_appendices/interpreter_discovery.html for more information.
linux3 | CHANGED | rc=0 >>
15:53:07 up 36 min, 1 user, load average: 0.00, 0.00, 0.00
linux1 | CHANGED | rc=0 >>
15:53:07 up 1:08, 1 user, load average: 0.00, 0.00, 0.00
ubuntu@ip-172-31-31-163:~/ansible$
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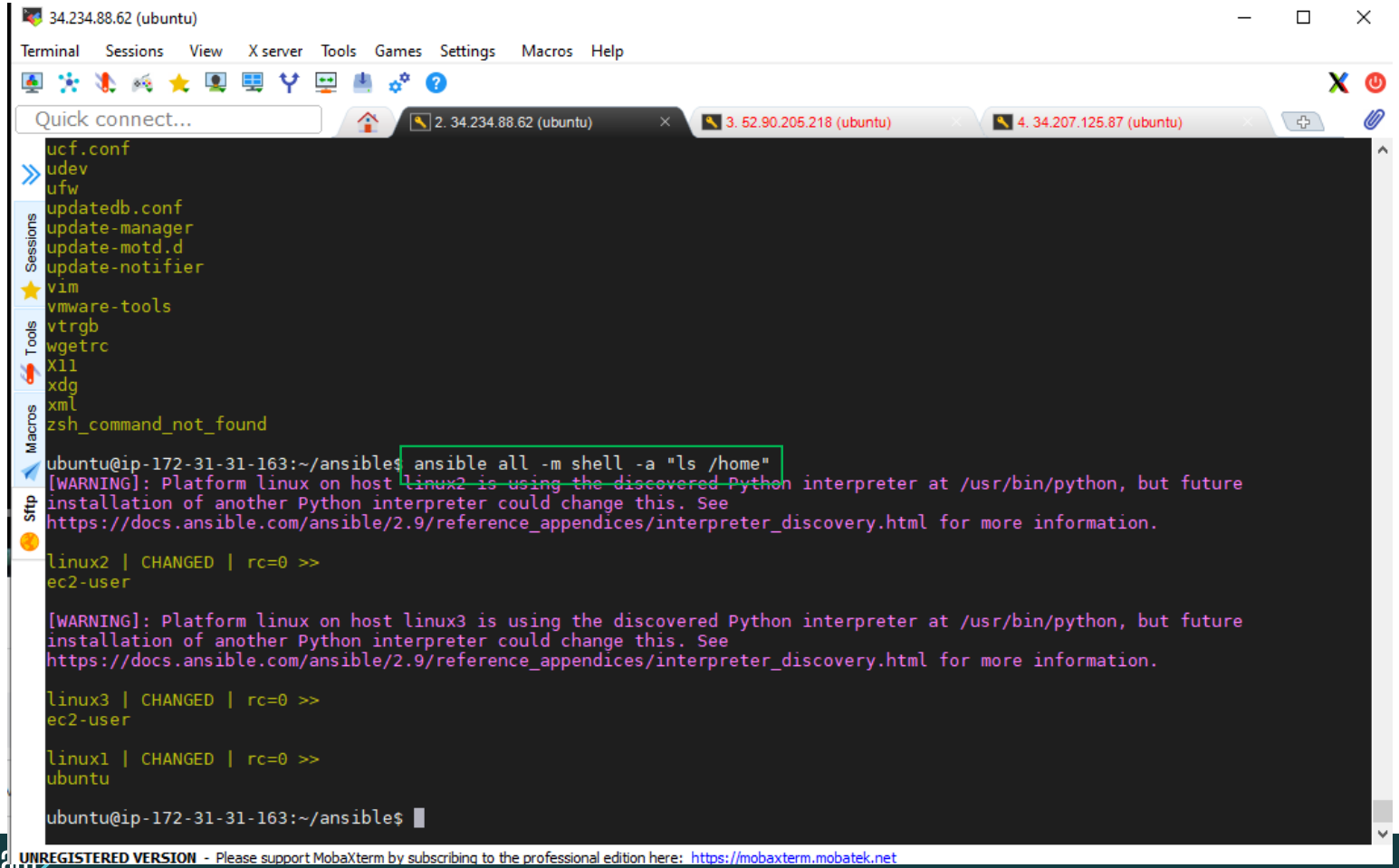
34.234.88.62 (ubuntu)
Terminal Sessions View X server Tools Games Settings Macros Help
Quick connect...
2. 34.234.88.62 (ubuntu)
3. 52.90.205.218 (ubuntu)
4. 34.207.125.87 (ubuntu)
Sessions
Tools
Macros
Sftp
ucf.conf
udev
ufw
updatedb.conf
update-manager
update-motd.d
update-notifier
vim
vmware-tools
vtrgb
wgetrc
X11
xdg
xml
zsh_command_not_found
ubuntu@ip-172-31-31-163:~/ansible$ ansible all -m shell -a "ls /home"
[WARNING]: Platform linux on host linux2 is using the discovered Python interpreter at /usr/bin/python, but future installation of another Python interpreter could change this. See https://docs.ansible.com/ansible/2.9/reference_appendices/interpreter_discovery.html for more information.
linux2 | CHANGED | rc=0 >>
ec2-user
[WARNING]: Platform linux on host linux3 is using the discovered Python interpreter at /usr/bin/python, but future installation of another Python interpreter could change this. See https://docs.ansible.com/ansible/2.9/reference_appendices/interpreter_discovery.html for more information.
linux3 | CHANGED | rc=0 >>
ec2-user
linux1 | CHANGED | rc=0 >>
ubuntu
ubuntu@ip-172-31-31-163:~/ansible$
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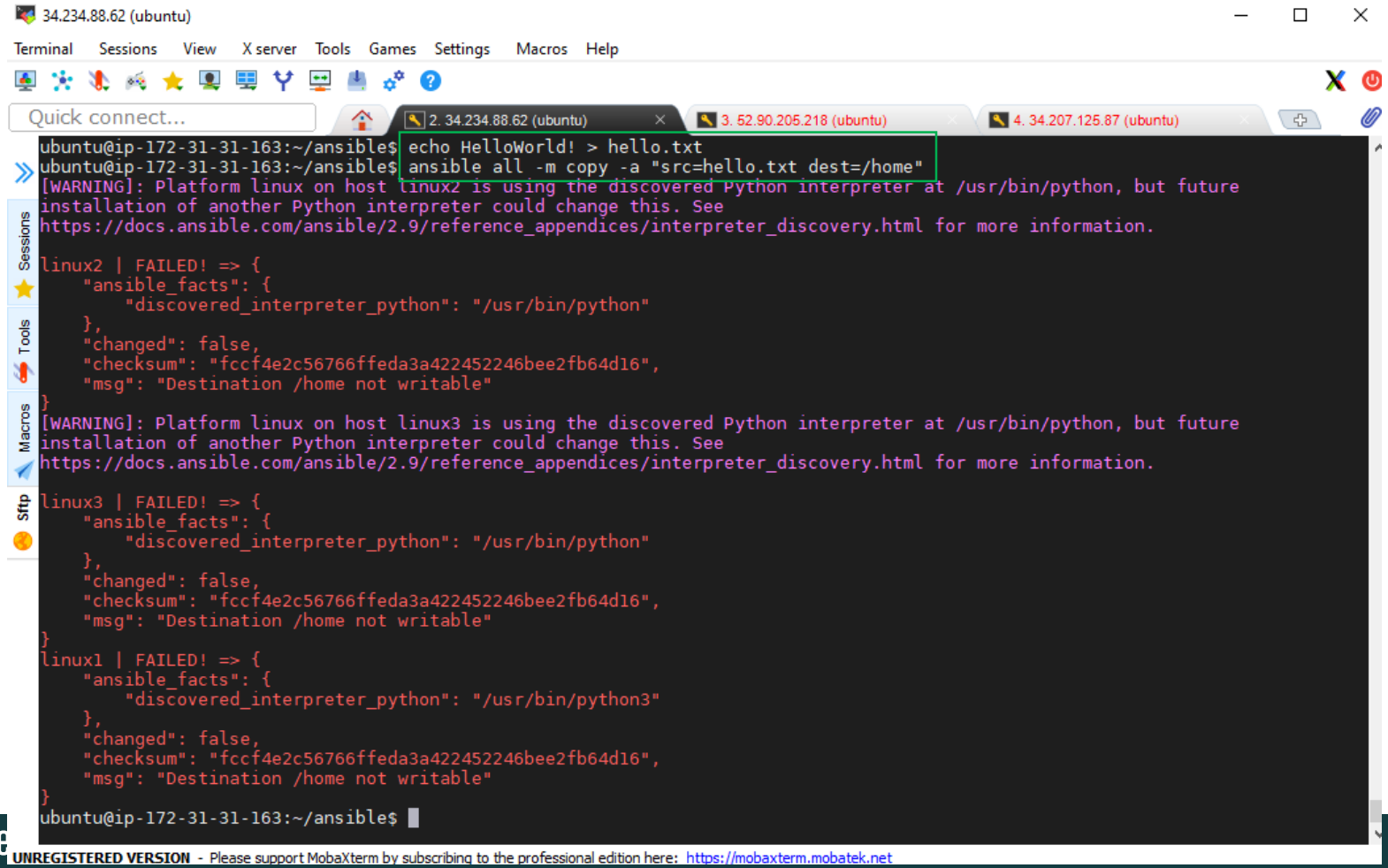
34.234.88.62 (ubuntu)
Terminal Sessions View X server Tools Games Settings Macros Help
Quick connect...
2. 34.234.88.62 (ubuntu)
3. 52.90.205.218 (ubuntu)
4. 34.207.125.87 (ubuntu)
Sessions
Tools
Macros
Sftp
ubuntu@ip-172-31-31-163:~/ansible$ echo HelloWorld! > hello.txt
ubuntu@ip-172-31-31-163:~/ansible$ ansible all -m copy -a "src=hello.txt dest=/home"
[WARNING]: Platform linux on host linux2 is using the discovered Python interpreter at /usr/bin/python, but future installation of another Python interpreter could change this. See https://docs.ansible.com/ansible/2.9/reference_appendices/interpreter_discovery.html for more information.
linux2 | FAILED! => {
"ansible_facts": {
"discovered_interpreter_python": "/usr/bin/python"
},
"changed": false,
"checksum": "fccf4e2c56766ffeda3a422452246bee2fb64d16",
"msg": "Destination /home not writable"
}
[WARNING]: Platform linux on host linux3 is using the discovered Python interpreter at /usr/bin/python, but future installation of another Python interpreter could change this. See https://docs.ansible.com/ansible/2.9/reference_appendices/interpreter_discovery.html for more information.
linux3 | FAILED! => {
"ansible_facts": {
"discovered_interpreter_python": "/usr/bin/python"
},
"changed": false,
"checksum": "fccf4e2c56766ffeda3a422452246bee2fb64d16",
"msg": "Destination /home not writable"
}
linux1 | FAILED! => {
"ansible_facts": {
"discovered_interpreter_python": "/usr/bin/python3"
},
"changed": false,
"checksum": "fccf4e2c56766ffeda3a422452246bee2fb64d16",
"msg": "Destination /home not writable"
}
ubuntu@ip-172-31-31-163:~/ansible$
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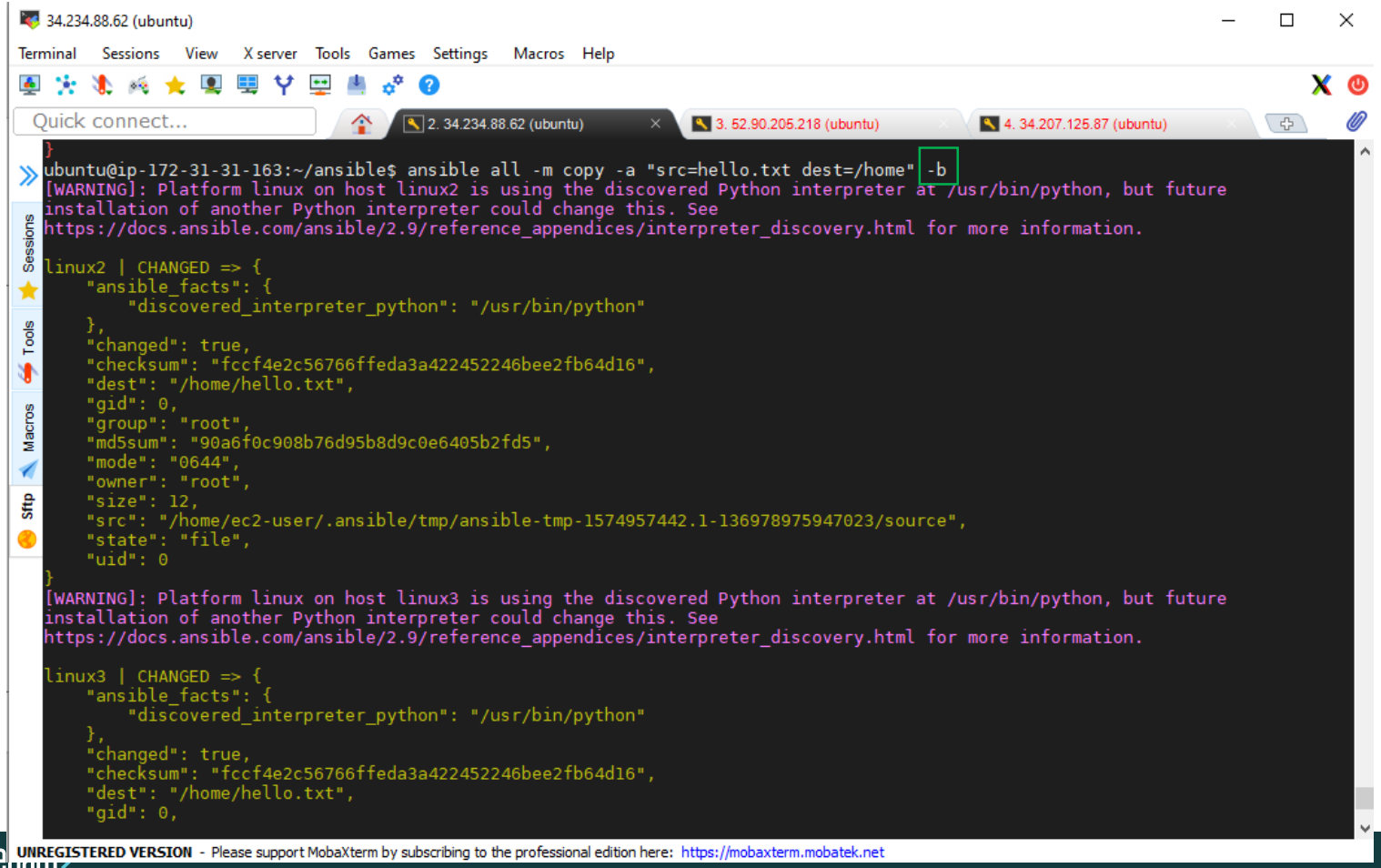
34.234.88.62 (ubuntu)
Terminal Sessions View X server Tools Games Settings Macros Help
Quick connect...
2. 34.234.88.62 (ubuntu)
3. 52.90.205.218 (ubuntu)
4. 34.207.125.87 (ubuntu)
Sessions
Tools
Macros
Sftp
}
ubuntu@ip-172-31-31-163:~/ansible$ ansible all -m copy -a "src=hello.txt dest=/home" -b
[WARNING]: Platform linux on host linux2 is using the discovered Python interpreter at /usr/bin/python, but future installation of another Python interpreter could change this. See https://docs.ansible.com/ansible/2.9/reference_appendices/interpreter_discovery.html for more information.
linux2 | CHANGED => {
"ansible_facts": {
"discovered_interpreter_python": "/usr/bin/python"
},
"changed": true,
"checksum": "fccf4e2c56766ffeda3a422452246bee2fb64d16",
"dest": "/home/hello.txt",
"gid": 0,
"group": "root",
"md5sum": "90a6f0c908b76d95b8d9c0e6405b2fd5",
"mode": "0644",
"owner": "root",
"size": 12,
"src": "/home/ec2-user/.ansible/tmp/ansible-tmp-1574957442.1-136978975947023/source",
"state": "file",
"uid": 0
}
[WARNING]: Platform linux on host linux3 is using the discovered Python interpreter at /usr/bin/python, but future installation of another Python interpreter could change this. See https://docs.ansible.com/ansible/2.9/reference_appendices/interpreter_discovery.html for more information.
linux3 | CHANGED => {
"ansible_facts": {
"discovered_interpreter_python": "/usr/bin/python"
},
"changed": true,
"checksum": "fccf4e2c56766ffeda3a422452246bee2fb64d16",
"dest": "/home/hello.txt",
"gid": 0,
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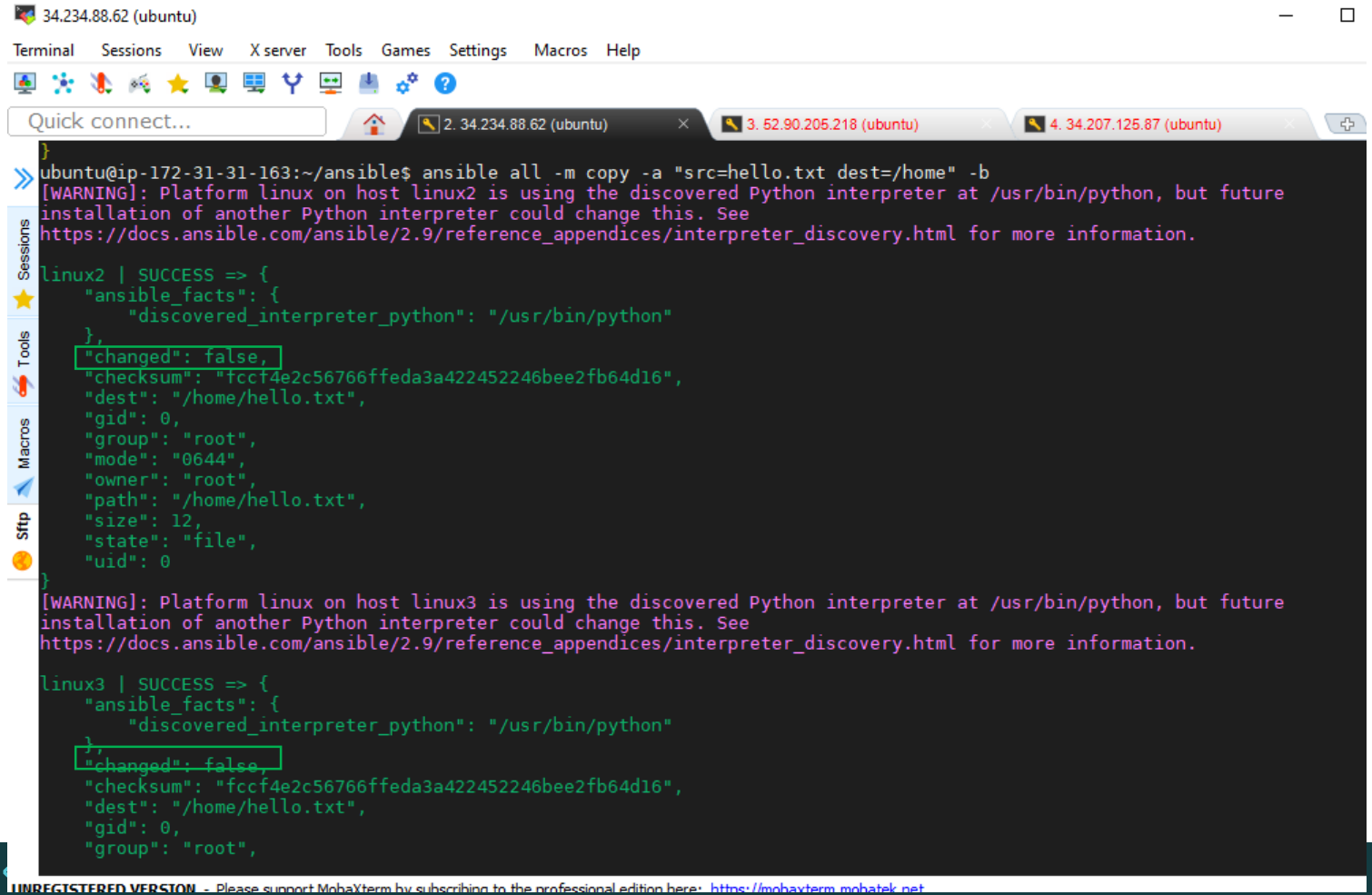
34.234.88.62 (ubuntu)
Terminal Sessions View X server Tools Games Settings Macros Help
Quick connect...
2. 34.234.88.62 (ubuntu)
3. 52.90.205.218 (ubuntu)
4. 34.207.125.87 (ubuntu)
Sessions
Tools
Macros
Sftp
}
ubuntu@ip-172-31-31-163:~/ansible$ ansible all -m copy -a "src=hello.txt dest=/home" -b
[WARNING]: Platform linux on host linux2 is using the discovered Python interpreter at /usr/bin/python, but future installation of another Python interpreter could change this. See https://docs.ansible.com/ansible/2.9/reference_appendices/interpreter_discovery.html for more information.
linux2 | SUCCESS => {
"ansible_facts": {
"discovered_interpreter_python": "/usr/bin/python"
},
"changed": false,
"checksum": "fccf4e2c56766ffeda3a422452246bee2fb64d16",
"dest": "/home/hello.txt",
"gid": 0,
"group": "root",
"mode": "0644",
"owner": "root",
"path": "/home/hello.txt",
"size": 12,
"state": "file",
"uid": 0
}
[WARNING]: Platform linux on host linux3 is using the discovered Python interpreter at /usr/bin/python, but future installation of another Python interpreter could change this. See https://docs.ansible.com/ansible/2.9/reference_appendices/interpreter_discovery.html for more information.
linux3 | SUCCESS => {
"ansible_facts": {
"discovered_interpreter_python": "/usr/bin/python"
},
"changed": false,
"checksum": "fccf4e2c56766ffeda3a422452246bee2fb64d16",
"dest": "/home/hello.txt",
"gid": 0,
"group": "root",
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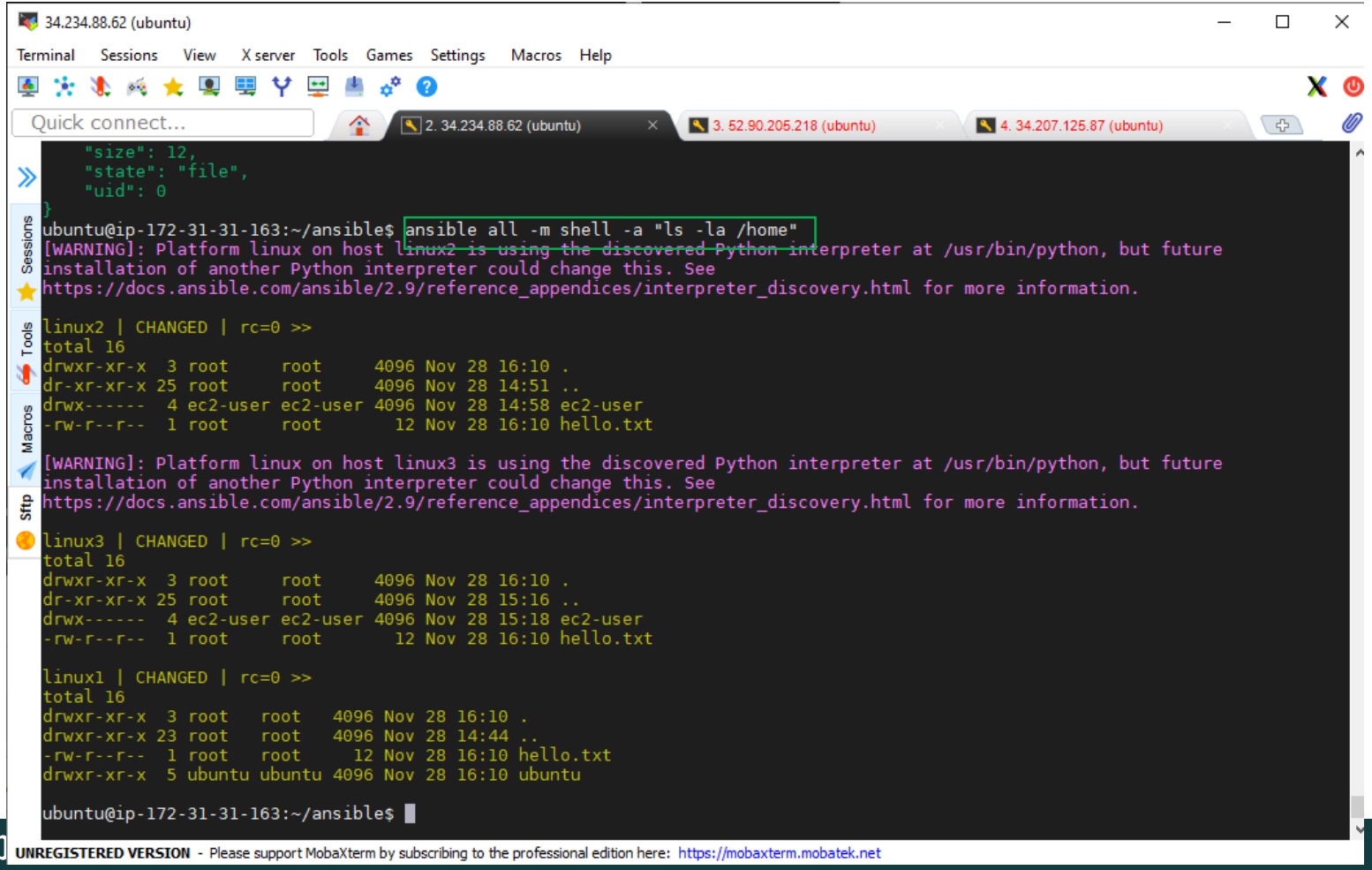
34.234.88.62 (ubuntu)
Terminal Sessions View X server Tools Games Settings Macros Help
Quick connect...
2. 34.234.88.62 (ubuntu)
3. 52.90.205.218 (ubuntu)
4. 34.207.125.87 (ubuntu)
"size": 12,
"state": "file",
"uid": 0
}
ubuntu@ip-172-31-31-163:~/ansible$ ansible all -m shell -a "ls -la /home"
[WARNING]: Platform linux on host linux2 is using the discovered Python interpreter at /usr/bin/python, but future installation of another Python interpreter could change this. See https://docs.ansible.com/ansible/2.9/reference_appendices/interpreter_discovery.html for more information.
linux2 | CHANGED | rc=0 >>
total 16
drwxr-xr-x 3 root root 4096 Nov 28 16:10 .
dr-xr-xr-x 25 root root 4096 Nov 28 14:51 ..
drwx------ 4 ec2-user ec2-user 4096 Nov 28 14:58 ec2-user
-rw-r--r-- 1 root root 12 Nov 28 16:10 hello.txt
[WARNING]: Platform linux on host linux3 is using the discovered Python interpreter at /usr/bin/python, but future installation of another Python interpreter could change this. See https://docs.ansible.com/ansible/2.9/reference_appendices/interpreter_discovery.html for more information.
linux3 | CHANGED | rc=0 >>
total 16
drwxr-xr-x 3 root root 4096 Nov 28 16:10 .
dr-xr-xr-x 25 root root 4096 Nov 28 15:16 ..
drwx------ 4 ec2-user ec2-user 4096 Nov 28 15:18 ec2-user
-rw-r--r-- 1 root root 12 Nov 28 16:10 hello.txt
linux1 | CHANGED | rc=0 >>
total 16
drwxr-xr-x 3 root root 4096 Nov 28 16:10 .
drwxr-xr-x 23 root root 4096 Nov 28 14:44 ..
-rw-r--r-- 1 root root 12 Nov 28 16:10 hello.txt
drwxr-xr-x 5 ubuntu ubuntu 4096 Nov 28 16:10 ubuntu
ubuntu@ip-172-31-31-163:~/ansible$
Sessions
Tools
Macros
Sftp
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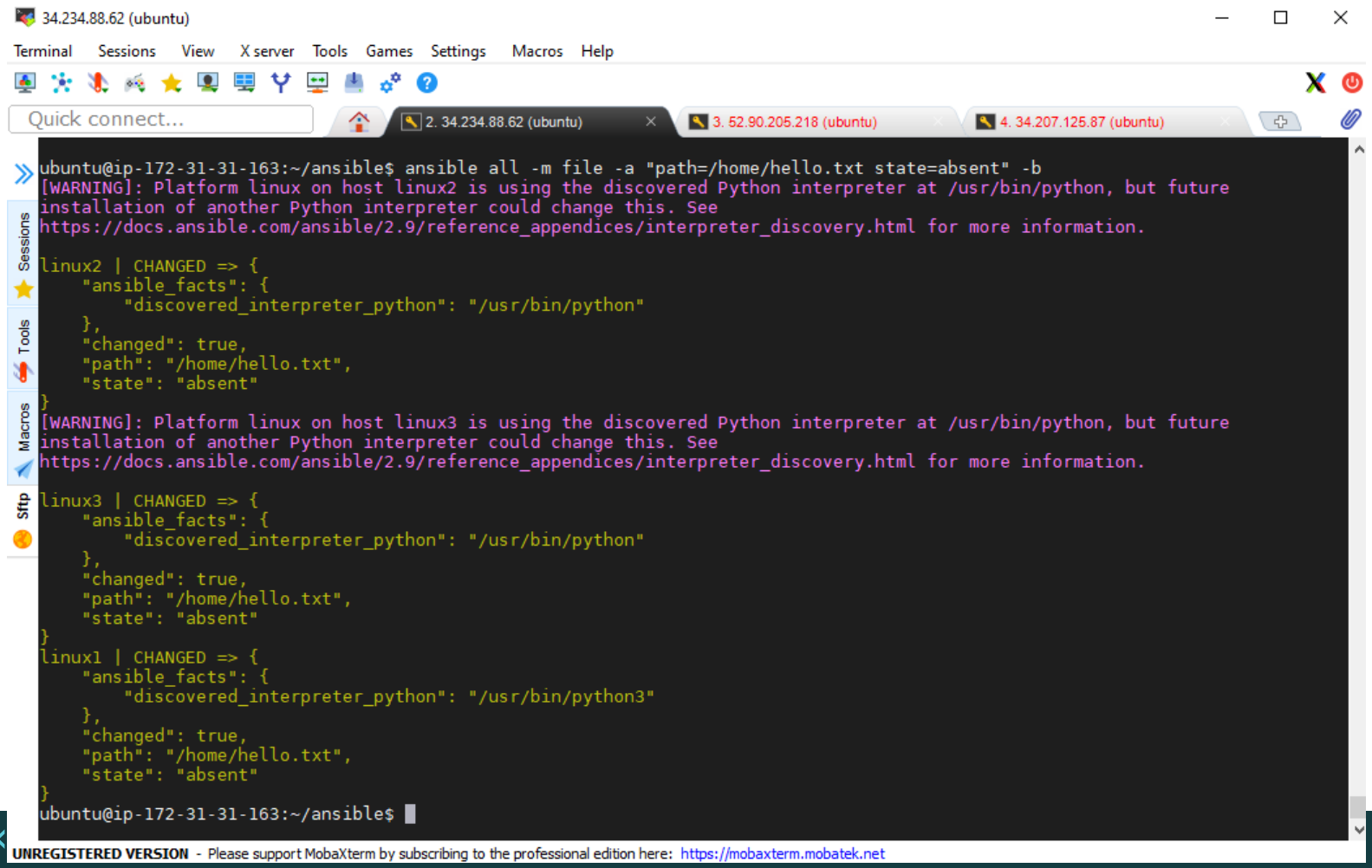
34.234.88.62 (ubuntu)
Terminal Sessions View X server Tools Games Settings Macros Help
Quick connect...
2. 34.234.88.62 (ubuntu)
3. 52.90.205.218 (ubuntu)
4. 34.207.125.87 (ubuntu)
Sessions
Tools
Macros
Sftp
ubuntu@ip-172-31-31-163:~/ansible$ ansible all -m file -a "path=/home/hello.txt state=absent" -b
[WARNING]: Platform linux on host linux2 is using the discovered Python interpreter at /usr/bin/python, but future installation of another Python interpreter could change this. See https://docs.ansible.com/ansible/2.9/reference_appendices/interpreter_discovery.html for more information.
linux2 | CHANGED => {
"ansible_facts": {
"discovered_interpreter_python": "/usr/bin/python"
},
"changed": true,
"path": "/home/hello.txt",
"state": "absent"
}
[WARNING]: Platform linux on host linux3 is using the discovered Python interpreter at /usr/bin/python, but future installation of another Python interpreter could change this. See https://docs.ansible.com/ansible/2.9/reference_appendices/interpreter_discovery.html for more information.
linux3 | CHANGED => {
"ansible_facts": {
"discovered_interpreter_python": "/usr/bin/python"
},
"changed": true,
"path": "/home/hello.txt",
"state": "absent"
}
linux1 | CHANGED => {
"ansible_facts": {
"discovered_interpreter_python": "/usr/bin/python3"
},
"changed": true,
"path": "/home/hello.txt",
"state": "absent"
}
ubuntu@ip-172-31-31-163:~/ansible$
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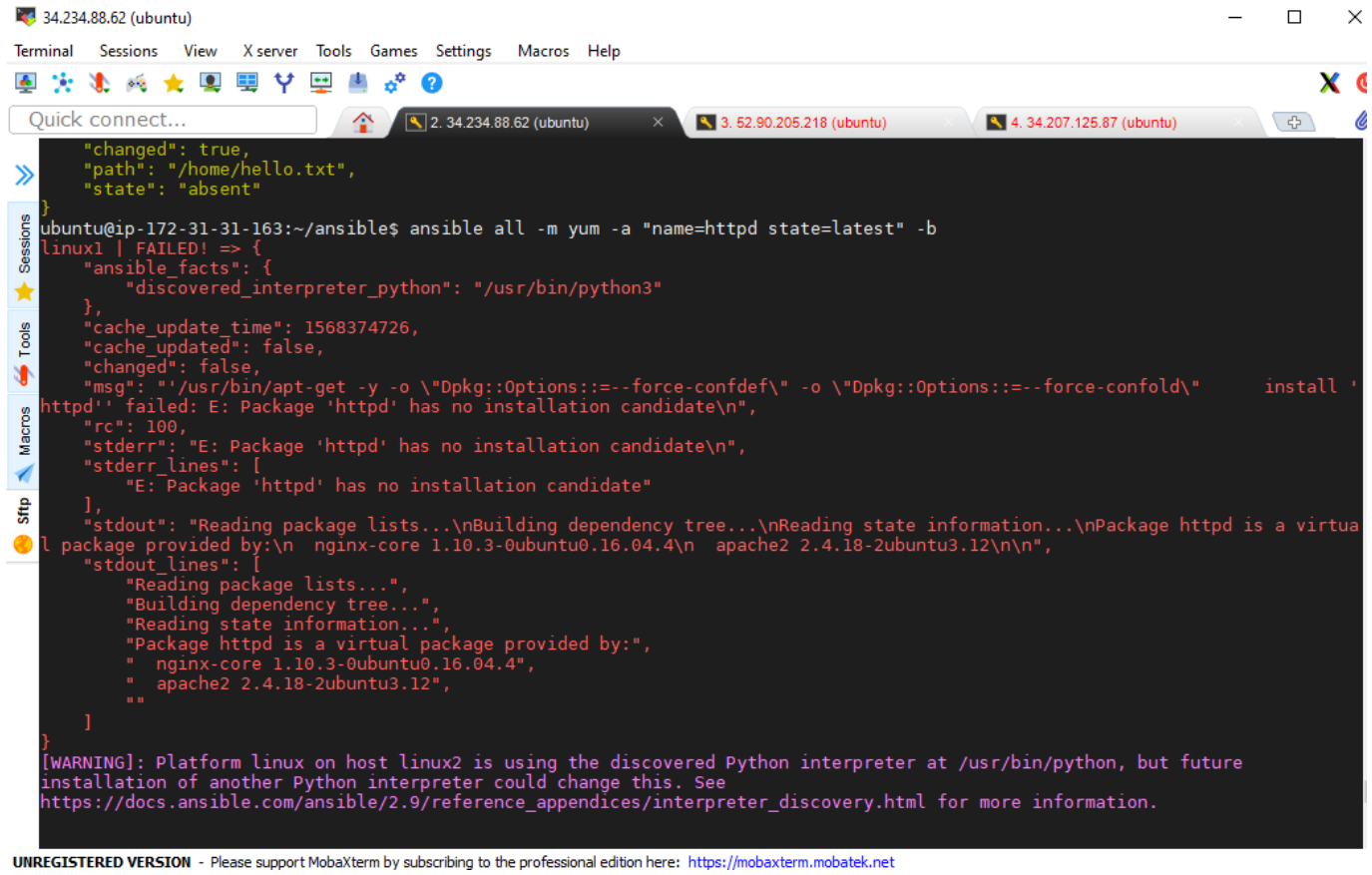
34.234.88.62 (ubuntu)
Terminal Sessions View X server Tools Games Settings Macros Help
Quick connect...
2. 34.234.88.62 (ubuntu)
3. 52.90.205.218 (ubuntu)
4. 34.207.125.87 (ubuntu)
Sessions
Tools
Macros
Sftp
"changed": true,
"path": "/home/hello.txt",
"state": "absent"
}
ubuntu@ip-172-31-31-163:~/ansible$ ansible all -m yum -a "name=httpd state=latest" -b
linux1 | FAILED! => {
"ansible_facts": {
"discovered_interpreter_python": "/usr/bin/python3"
},
"cache_update_time": 1568374726,
"cache_updated": false,
"changed": false,
"msg": "'/usr/bin/apt-get -y -o \"Dpkg::Options::=--force-confdef\" -o \"Dpkg::Options::=--force-confold\" install '
httpd'' failed: E: Package 'httpd' has no installation candidate\n",
"rc": 100,
"stderr": "E: Package 'httpd' has no installation candidate\n",
"stderr_lines": [
"E: Package 'httpd' has no installation candidate"
],
"stdout": "Reading package lists...\nBuilding dependency tree...\nReading state information...\nPackage httpd is a virtua
l package provided by:\n nginx-core 1.10.3-0ubuntu0.16.04.4\n apache2 2.4.18-2ubuntu3.12\n\n",
"stdout_lines": [
"Reading package lists...",
"Building dependency tree...",
"Reading state information...",
"Package httpd is a virtual package provided by:",
" nginx-core 1.10.3-0ubuntu0.16.04.4",
" apache2 2.4.18-2ubuntu3.12",
""
]
}
[WARNING]: Platform linux on host linux2 is using the discovered Python interpreter at /usr/bin/python, but future
installation of another Python interpreter could change this. See
https://docs.ansible.com/ansible/2.9/reference_appendices/interpreter_discovery.html for more information.
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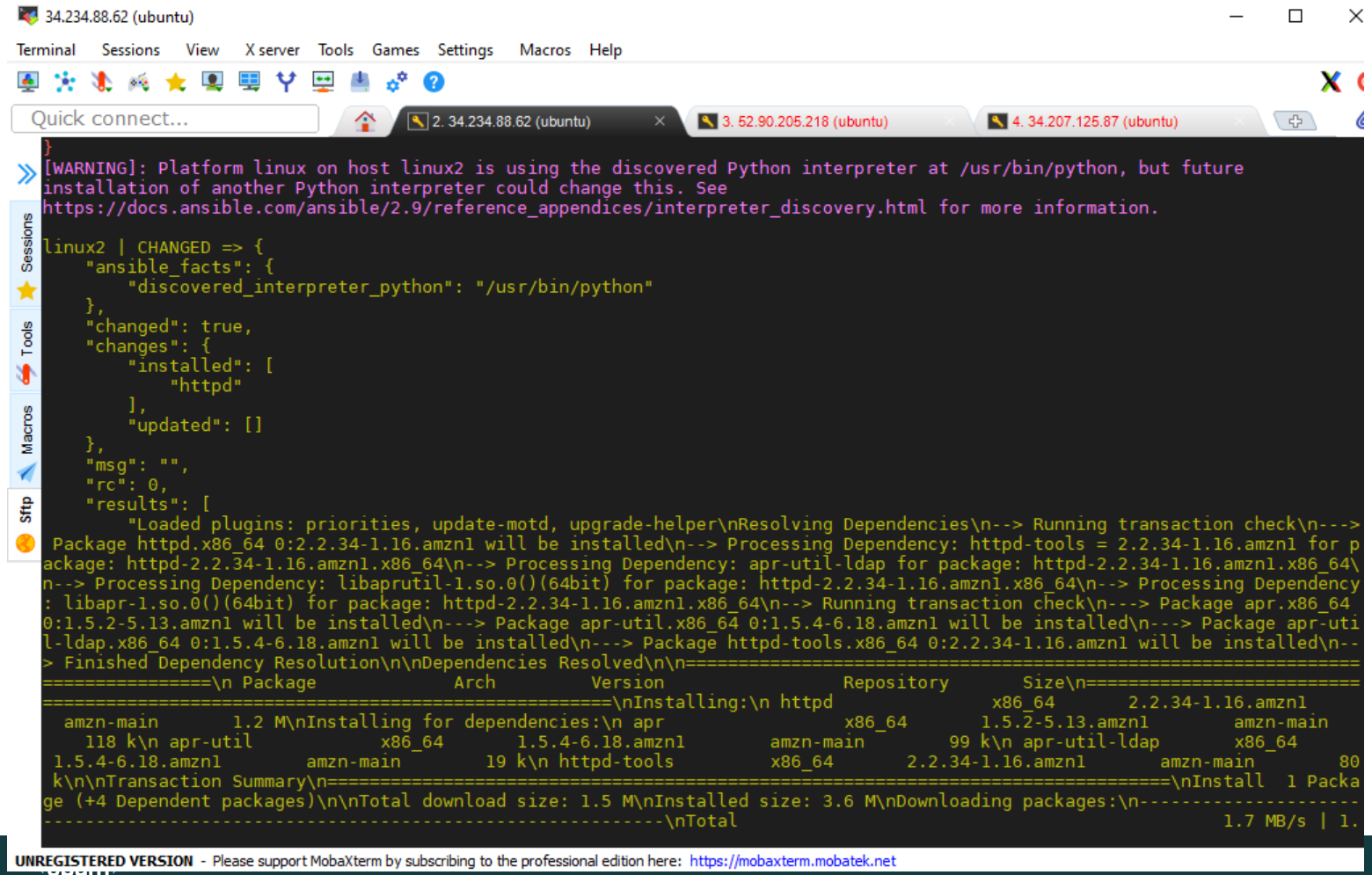
34.234.88.62 (ubuntu)
Terminal Sessions View X server Tools Games Settings Macros Help
Quick connect...
2. 34.234.88.62 (ubuntu)
3. 52.90.205.218 (ubuntu)
4. 34.207.125.87 (ubuntu)
Sessions
Tools
Macros
Sftp
}
[WARNING]: Platform linux on host linux2 is using the discovered Python interpreter at /usr/bin/python, but future installation of another Python interpreter could change this. See https://docs.ansible.com/ansible/2.9/reference_appendices/interpreter_discovery.html for more information.
linux2 | CHANGED => {
"ansible_facts": {
"discovered_interpreter_python": "/usr/bin/python"
},
"changed": true,
"changes": {
"installed": [
"httpd"
],
"updated": []
},
"msg": "",
"rc": 0,
"results": [
"Loaded plugins: priorities, update-motd, upgrade-helper\nResolving Dependencies\n--> Running transaction check\n---> Package httpd.x86_64 0:2.2.34-1.16.amzn1 will be installed\n--> Processing Dependency: httpd-tools = 2.2.34-1.16.amzn1 for package: httpd-2.2.34-1.16.amzn1.x86_64\n--> Processing Dependency: apr-util-ldap for package: httpd-2.2.34-1.16.amzn1.x86_64\n--> Processing Dependency: libaprutil-1.so.0()(64bit) for package: httpd-2.2.34-1.16.amzn1.x86_64\n--> Processing Dependency: libapr-1.so.0()(64bit) for package: httpd-2.2.34-1.16.amzn1.x86_64\n--> Running transaction check\n---> Package apr.x86_64 0:1.5.2-5.13.amzn1 will be installed\n---> Package apr-util.x86_64 0:1.5.4-6.18.amzn1 will be installed\n---> Package apr-util-ldap.x86_64 0:1.5.4-6.18.amzn1 will be installed\n---> Package httpd-tools.x86_64 0:2.2.34-1.16.amzn1 will be installed\n--> Finished Dependency Resolution\n\nDependencies Resolved\n\n
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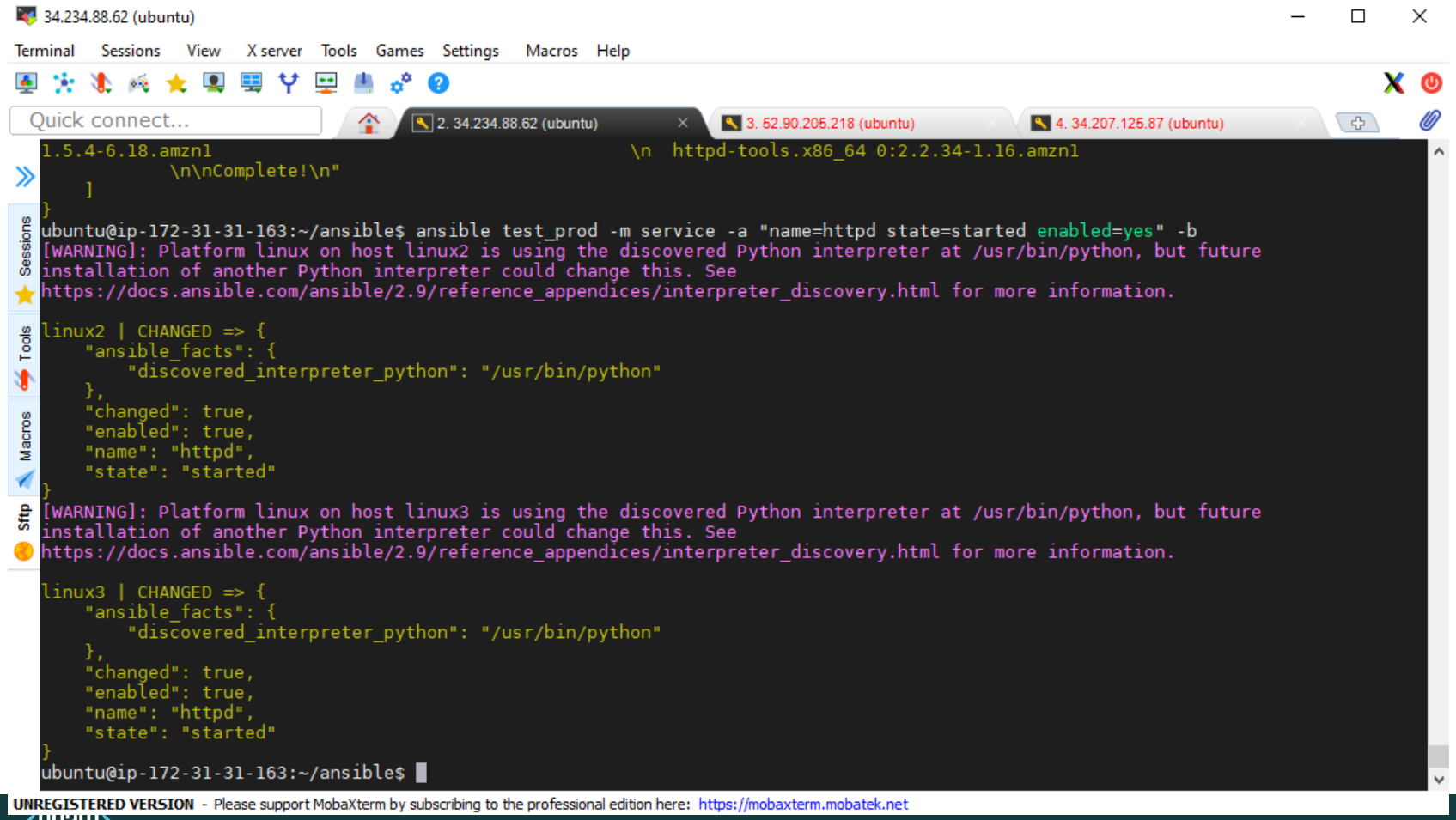
34.234.88.62 (ubuntu)
Terminal Sessions View X server Tools Games Settings Macros Help
Quick connect...
2. 34.234.88.62 (ubuntu)
3. 52.90.205.218 (ubuntu)
4. 34.207.125.87 (ubuntu)
Sessions
Tools
Macros
Sftp
1.5.4-6.18.amzn1 \n httpd-tools.x86_64 0:2.2.34-1.16.amzn1
\n\nComplete!\n"
]
}
ubuntu@ip-172-31-31-163:~/ansible$ ansible test_prod -m service -a "name=httpd state=started enabled=yes" -b
[WARNING]: Platform linux on host linux2 is using the discovered Python interpreter at /usr/bin/python, but future installation of another Python interpreter could change this. See https://docs.ansible.com/ansible/2.9/reference_appendices/interpreter_discovery.html for more information.
linux2 | CHANGED => {
"ansible_facts": {
"discovered_interpreter_python": "/usr/bin/python"
},
"changed": true,
"enabled": true,
"name": "httpd",
"state": "started"
}
[WARNING]: Platform linux on host linux3 is using the discovered Python interpreter at /usr/bin/python, but future installation of another Python interpreter could change this. See https://docs.ansible.com/ansible/2.9/reference_appendices/interpreter_discovery.html for more information.
linux3 | CHANGED => {
"ansible_facts": {
"discovered_interpreter_python": "/usr/bin/python"
},
"changed": true,
"enabled": true,
"name": "httpd",
"state": "started"
}
ubuntu@ip-172-31-31-163:~/ansible$
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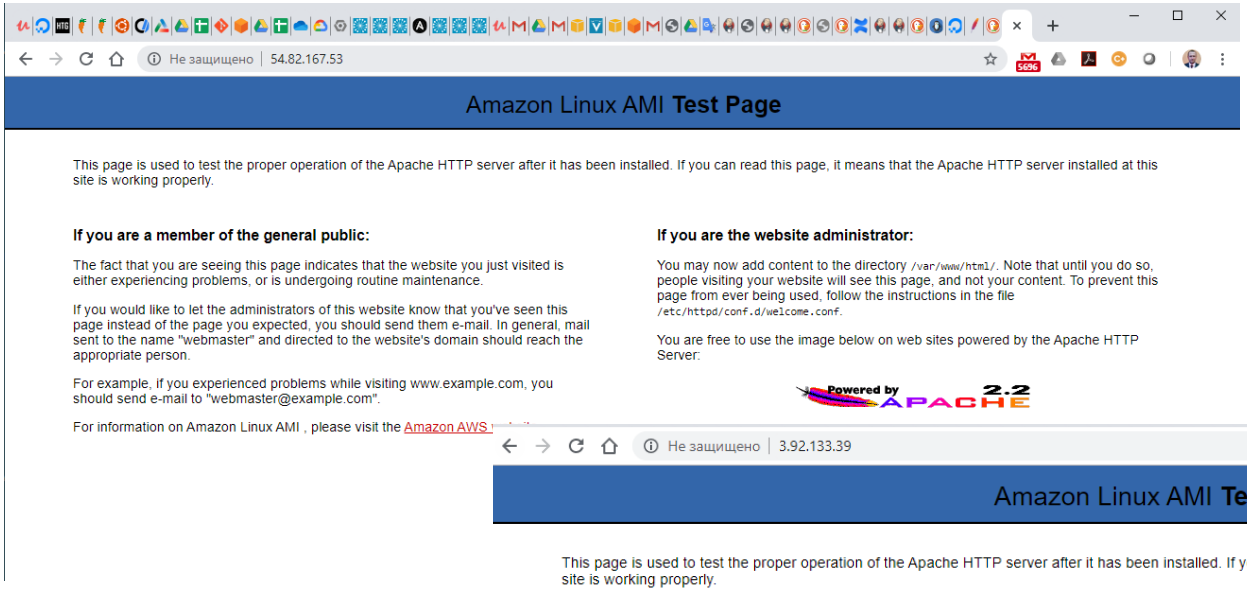
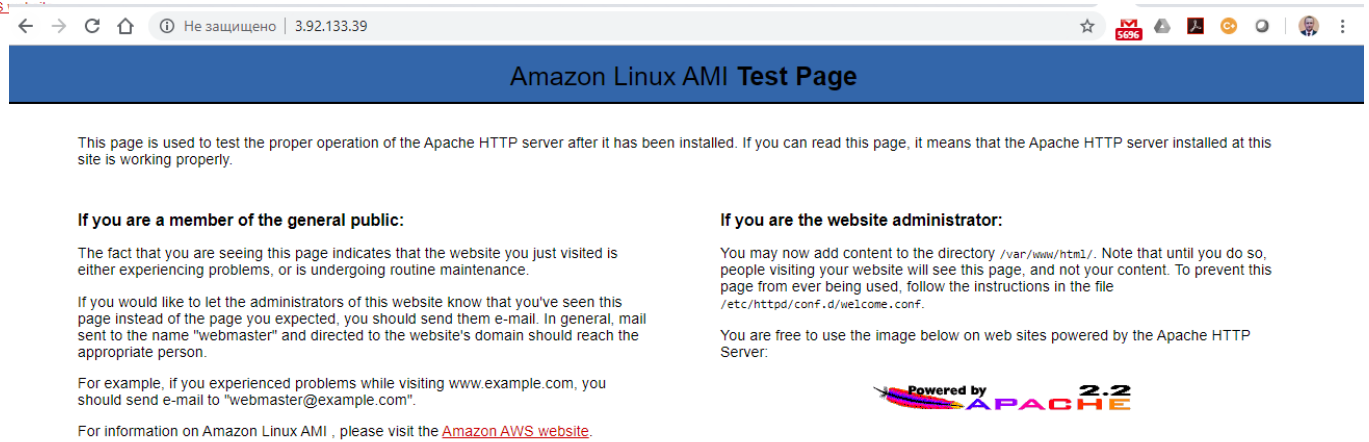

Не защищено | 54.82.167.53
Amazon Linux AMI Test Page
This page is used to test the proper operation of the Apache HTTP server after it has been installed. If you can read this page, it means that the Apache HTTP server installed at this site is working properly.
If you are a member of the general public:
The fact that you are seeing this page indicates that the website you just visited is either experiencing problems, or is undergoing routine maintenance.
If you would like to let the administrators of this website know that you've seen this page instead of the page you expected, you should send them e-mail. In general, mail sent to the name "webmaster" and directed to the website's domain should reach the appropriate person.
For example, if you experienced problems while visiting www.example.com, you should send e-mail to "webmaster@example.com".
For information on Amazon Linux AMI , please visit the Amazon AWS
If you are the website administrator:
You may now add content to the directory /var/www/html/. Note that until you do so, people visiting your website will see this page, and not your content. To prevent this page from ever being used, follow the instructions in the file /etc/httpd/conf.d/welcome.conf.
You are free to use the image below on web sites powered by the Apache HTTP Server:
Powered by APACHE 2.2


Не защищено | 3.92.133.39
Amazon Linux AMI Test Page
This page is used to test the proper operation of the Apache HTTP server after it has been installed. If you can read this page, it means that the Apache HTTP server installed at this site is working properly.
If you are a member of the general public:
The fact that you are seeing this page indicates that the website you just visited is either experiencing problems, or is undergoing routine maintenance.
If you would like to let the administrators of this website know that you've seen this page instead of the page you expected, you should send them e-mail. In general, mail sent to the name "webmaster" and directed to the website's domain should reach the appropriate person.
For example, if you experienced problems while visiting www.example.com, you should send e-mail to "webmaster@example.com".
For information on Amazon Linux AMI , please visit the Amazon AWS website.
If you are the website administrator:
You may now add content to the directory /var/www/html/. Note that until you do so, people visiting your website will see this page, and not your content. To prevent this page from ever being used, follow the instructions in the file /etc/httpd/conf.d/welcome.conf.
You are free to use the image below on web sites powered by the Apache HTTP Server:
Powered by APACHE 2.2

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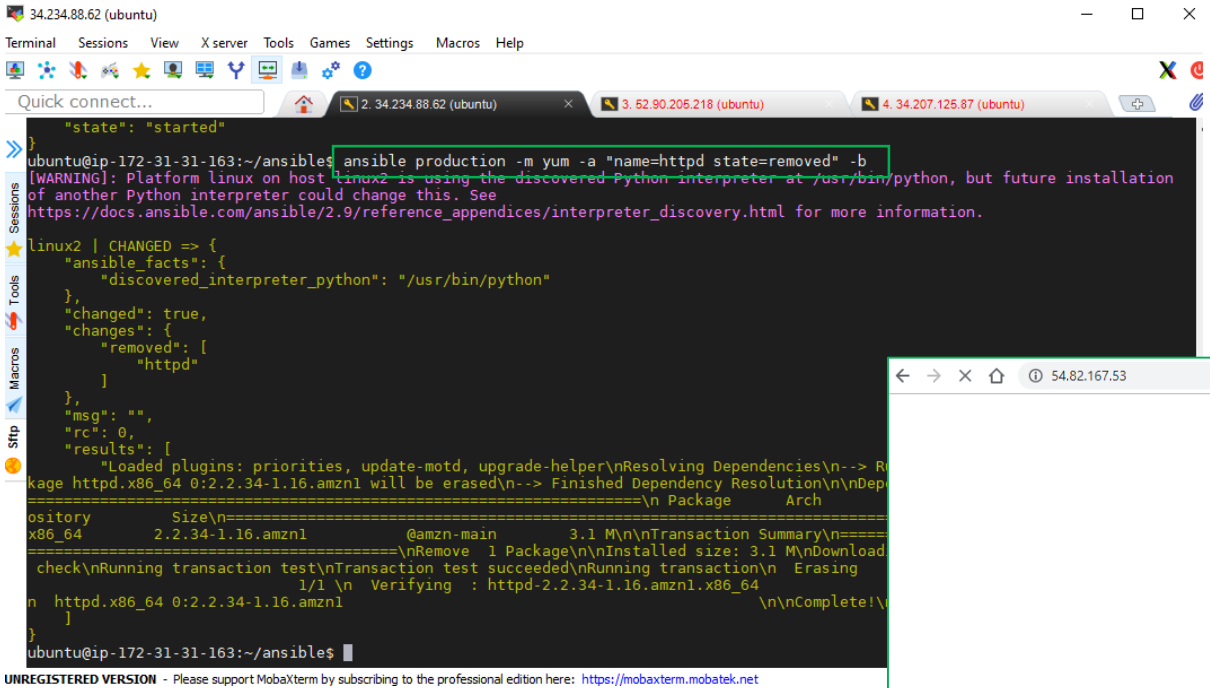
34.234.88.62 (ubuntu)
Terminal Sessions View X server Tools Games Settings Macros Help
Quick connect...
2. 34.234.88.62 (ubuntu)
3. 52.90.205.218 (ubuntu)
4. 34.207.125.87 (ubuntu)
"state": "started"
}
ubuntu@ip-172-31-31-163:~/ansible$ ansible production -m yum -a "name=httpd state=removed" -b
[WARNING]: Platform linux on host linux2 is using the discovered Python interpreter at /usr/bin/python, but future installation of another Python interpreter could change this. See
https://docs.ansible.com/ansible/2.9/reference_appendices/interpreter_discovery.html for more information.
linux2 | CHANGED => {
"ansible_facts": {
"discovered_interpreter_python": "/usr/bin/python"
},
"changed": true,
"changes": {
"removed": [
"httpd"
]
},
"msg": "",
"rc": 0,
"results": [
"Loaded plugins: priorities, update-motd, upgrade-helper\nResolving Dependencies\n--> R
kage httpd.x86_64 0:2.2.34-1.16.amzn1 will be erased\n--> Finished Dependency Resolution\n\nDep
\n Package Arch
ository Size\n
x86_64 2.2.34-1.16.amzn1 @amzn-main 3.1 M\n\nTransaction Summary\n=====
\nRemove 1 Package\n\nInstalled size: 3.1 M\nDownload
check\nRunning transaction test\nTransaction test succeeded\nRunning transaction\n Erasing
1/1 \n Verifying : httpd-2.2.34-1.16.amzn1.x86_64
n httpd.x86_64 0:2.2.34-1.16.amzn1 \n\nComplete!\
]
}
ubuntu@ip-172-31-31-163:~/ansible$
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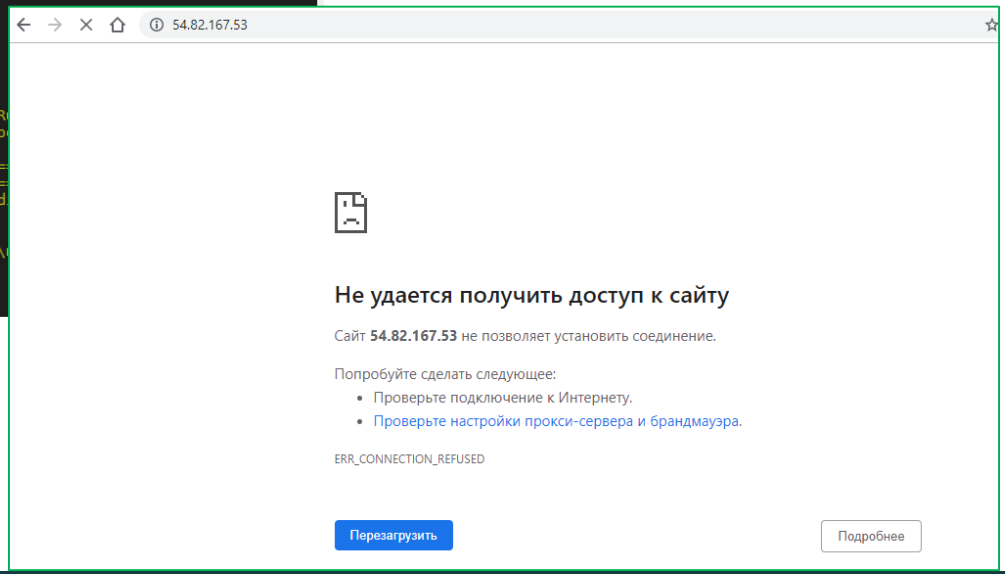
54.82.167.53
Не удается получить доступ к сайту
Сайт 54.82.167.53 не позволяет установить соединение.
Попробуйте сделать следующее:
Проверьте подключение к Интернету.
Проверьте настройки прокси-сервера и брандмауэра.
ERR_CONNECTION_REFUSED
Перезагрузить
Подробнее

Q & A


Thank you!