

Add users to EC2 instances with SSH Access – Ansible

```
root@ip-172-31-15-113:~# ssh
[team12@ip-172-31-15-113 ~]$ # passwd team12
Changing password for user team12.
New password:
BAD PASSWORD: The password is shorter than 8 characters
Retype new password:
passwd: all authentication tokens updated successfully.
[team12@ip-172-31-15-113 ~]$ # sudo -su team12
[team12@ip-172-31-15-113 ~]$ ssh-keygen -t rsa
Generating public/private rsa key pair.
Enter file in which to save the key (/home/team12/.ssh/id_rsa):
Created directory /home/team12/.ssh.
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /home/team12/.ssh/id_rsa.
Your public key has been saved in /home/team12/.ssh/id_rsa.pub.
The key fingerprint is:
SHA256:Grhl34511N420FWxXhJIRUoJvijo0krmMzK8Ru team12@ip-172-31-15-113.ap-sou
th-1.compute.internal
The key's randomart image is:
+--[RSA 2048]-----+
|o+==o.o.o.|
|o.o.o.o.o.|
|o.o.o.o.o.|
|X..o.o.o.|
|o.o.o.o.o.|
|o.o.o.o.o.|
|o.o.o.o.o.|
|o.o.o.o.o.|
|o.o.o.o.o.|
|o.o.o.o.o.|
+-----[SHA256]-----+
[team12@ip-172-31-15-113 root]$ cd ..
[team12@ip-172-31-15-113 /]$ cd ~.ssh
bash: cd: ~.ssh: No such file or directory
[team12@ip-172-31-15-113 /]$ cd ~/.ssh
[team12@ip-172-31-15-113 .ssh]$ ls
id_rsa  id_rsa.pub
[team12@ip-172-31-15-113 .ssh]$ sudo yum install git
we trust you have received the usual lecture from the local System
Administrator. It usually boils down to these three things:

#1) Respect the privacy of others.
#2) Think before you type.
#3) With great power comes great responsibility.

[sudo] password for team12:
team12 is not in the sudoers file. This incident will be reported.
[team12@ip-172-31-15-113 .ssh]$ yum install git
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
You need to be root to perform this command.
[team12@ip-172-31-15-113 .ssh]$ sudo yum install git
[sudo] password for team12:
team12 is not in the sudoers file. This incident will be reported.
You have mail in /var/spool/mail/root.
[team12@ip-172-31-15-113 .ssh]$ pwd
/home/team12/.ssh
[team12@ip-172-31-15-113 .ssh]$ ls
id_rsa  id_rsa.pub
[team12@ip-172-31-15-113 .ssh]$ cd ..
[team12@ip-172-31-15-113 ~]$ ls
```

```
root@ip-172-31-15-113:~#
aws@idiotbox MINGW64 /d/Documents/Downloads
$ ssh -i "Devops.pem" ec2-user@ec2-3-109-122-247.ap-south-1.compute.amazonaws.com
The authenticity of host 'ec2-3-109-122-247.ap-south-1.compute.amazonaws.com (3.
109.122.247)' can't be established.
ED25519 key fingerprint is SHA256:IRpfuwalp3CqeVTPV41VvObs2Wvz3cvVI484qe.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added 'ec2-3-109-122-247.ap-south-1.compute.amazonaws.com'
(ED25519) to the list of known hosts.

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Amazon Linux 2 AMI

https://aws.amazon.com/amazon-linux-2/
11 package(s) needed for security, out of 35 available
Run "sudo yum update" to apply all updates.
[ec2-user@ip-172-31-15-113 ~]$ sudo yum update
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
Resolving Dependencies
--> Running transaction check
--> Package curl.x86_64 0:7.76.1-4.amzn2.0.1 will be updated
--> Package curl.x86_64 0:7.76.1-7.amzn2.0.2 will be an update
--> Package device-mapper.x86_64 7:1.02.146-4.amzn2.0.2 will be updated
--> Package device-mapper.x86_64 7:1.02.170-6.amzn2.5 will be an update
--> Package device-mapper-event.x86_64 7:1.02.146-4.amzn2.0.2 will be updated
--> Package device-mapper-event-libs.x86_64 7:1.02.146-4.amzn2.0.2 will be updated
--> Package device-mapper-event-libs.x86_64 7:1.02.170-6.amzn2.5 will be an update
--> Package device-mapper-libs.x86_64 7:1.02.146-4.amzn2.0.2 will be updated
--> Package device-mapper-libs.x86_64 7:1.02.170-6.amzn2.5 will be an update
--> Package glibc.x86_64 0:2.26-48.amzn2 will be updated
--> Package glibc.x86_64 0:2.26-54.amzn2 will be an update
--> Package glibc-all-langpacks.x86_64 0:2.26-48.amzn2 will be updated
--> Package glibc-all-langpacks.x86_64 0:2.26-54.amzn2 will be an update
--> Package glibc-common.x86_64 0:2.26-48.amzn2 will be updated
--> Package glibc-common.x86_64 0:2.26-54.amzn2 will be an update
--> Package glibc-locale-source.x86_64 0:2.26-48.amzn2 will be updated
--> Package glibc-locale-source.x86_64 0:2.26-54.amzn2 will be an update
--> Package glibc-minimal-langpack.x86_64 0:2.26-48.amzn2 will be updated
--> Package glibc-minimal-langpack.x86_64 0:2.26-54.amzn2 will be an update
--> Package grub2.x86_64 1:2.06-2.amzn2.0.3 will be obsoleting
--> Package grub2-common.noarch 1:2.06-2.amzn2.0.3 will be updated
--> Package grub2-common.noarch 1:2.06-2.amzn2.0.6 will be an update
--> Package grub2-efi-x64.ec2.x86_64 1:2.06-2.amzn2.0.3 will be updated
--> Package grub2-efi-x64.ec2.x86_64 1:2.06-2.amzn2.0.6 will be an update
--> Package grub2-efi-x64.ec2.x86_64 1:2.06-2.amzn2.0.6 will be obsoleting
--> Package grub2-pc.x86_64 1:2.06-2.amzn2.0.6 will be obsoleting
--> Package grub2-pc-modules.noarch 1:2.06-2.amzn2.0.3 will be updated
--> Package grub2-pc-modules.noarch 1:2.06-2.amzn2.0.6 will be an update
--> Package grub2-tools.x86_64 1:2.06-2.amzn2.0.3 will be obsoleting
--> Package grub2-tools.x86_64 1:2.06-2.amzn2.0.6 will be obsoleting
--> Package grub2-tools-efi.x86_64 1:2.06-2.amzn2.0.6 will be obsoleting
--> Package grub2-tools-extra.x86_64 1:2.06-2.amzn2.0.6 will be obsoleting
--> Package grub2-tools-minimal.x86_64 1:2.06-2.amzn2.0.3 will be updated
--> Package grub2-tools-minimal.x86_64 1:2.06-2.amzn2.0.6 will be obsoleting
--> Package kernel.x86_64 0:4.14.246-187.474.amzn2 will be installed
```



```
MINGW64/d/Documents/Downloads
TASK [add user "tomcat"] *****
changed: [172.31.4.56]

TASK [tomcat : Download Tomcat] *****
changed: [172.31.4.56]

TASK [tomcat : Extract archive] *****
[WARNING]: Consider using the unarchive module rather than running 'tar'. If you need to use command because unarchive is insufficient you can add 'warn: false' to this command task or set 'command_warnings=False' in ansible.cfg to get rid of this message.
changed: [172.31.4.56]

TASK [tomcat : Symlink install directory] *****
changed: [172.31.4.56]

TASK [tomcat : Change ownership of Tomcat installation] *****
changed: [172.31.4.56]

TASK [tomcat : Configure Tomcat server] *****
changed: [172.31.4.56]

TASK [tomcat : Configure Tomcat users] *****
changed: [172.31.4.56]

TASK [tomcat : Create sample directory] *****
changed: [172.31.4.56]

TASK [tomcat : copy sample index.html file] *****
changed: [172.31.4.56]

TASK [tomcat : Install Tomcat init script] *****
changed: [172.31.4.56]

TASK [tomcat : Start Tomcat] *****
[WARNING]: The service (tomcat) is actually an init script but the system is managed by systemd
changed: [172.31.4.56]

TASK [wait for tomcat to start] *****
ok: [172.31.4.56]

RUNNING HANDLER [restart tomcat] *****
changed: [172.31.4.56]

PLAY RECAP *****
172.31.4.56 : ok=21 changed=19 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0

[team12@ip-172-31-15-113 Ansible-Sample-Application-Deployment]$ ssh -i ~/.ssh/id_rsa team12@172.31.4.56 "id team12 && id team12"
uid=1001(team12) gid=1001(team12) groups=1001(team12)
uid=1001(team12) gid=1001(team12) groups=1001(team12)
[team12@ip-172-31-15-113 Ansible-Sample-Application-Deployment]$ client_loop: send disconnect: Connection reset by peer

ssus@idiotbox MINGW64 /d/Documents/Downloads
```