

Nov 30 8:53 PM

liveuser@localhost-live:~

```
liveuser@localhost-live:~$ ssh-keygen -o
Generating public/private ed25519 key pair.
Enter file in which to save the key (/home/liveuser/.ssh/id_ed25519):
Created directory '/home/liveuser/.ssh'.
Enter passphrase for "/home/liveuser/.ssh/id_ed25519" (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /home/liveuser/.ssh/id_ed25519
Your public key has been saved in /home/liveuser/.ssh/id_ed25519.pub
The key fingerprint is:
SHA256:AC7fE/XLD9zfzIaIrmrw1VULZ29yJ3OPPV5y/yMTmm8 liveuser@localhost-live
The key's randomart image is:
+--[ED25519 256]--+
|   .   .
|   . . . . + |
|   . . o . = o |
|   o . o o . = *|
|   . o S.=.. Xo|
|   . . . .+ +0*=|
|   o . . = =00|
|   o . o E +.|
|   ..... o.o +|
+---[SHA256]---+
liveuser@localhost-live:~$ cat /home/liveuser/.ssh/id_ed25519.pub
ssh-ed25519 AAAAC3NzaC1lZDI1NTE5AAAAINdE178Qz9o6icNREgudV3yAPVUXdRwBjknckDWX5d6 liveuser@localhost-live
liveuser@localhost-live:~$ ^C
```

Fedora 42 [Running] - Oracle VirtualBox

File Machine View Input Devices Help

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liveuser@localhost-live:~

```
liveuser@localhost-live:~$ ls -al ~/.ssh
total 8
drwx-----. 2 liveuser liveuser 80 Nov 30 20:42 .
drwx-----. 15 liveuser liveuser 500 Nov 30 22:11 ..
-rw-----. 1 liveuser liveuser 464 Nov 30 20:42 id_ed25519
-rw-r--r--. 1 liveuser liveuser 105 Nov 30 20:42 id_ed25519.pub
liveuser@localhost-live:~$ ssh-keygen -t rsa -b 4096 -C "bcuvelier2@student.cccs.edu"
Generating public/private rsa key pair.
Enter file in which to save the key (/home/liveuser/.ssh/id_rsa): FinalExamLinux
Enter passphrase for "FinalExamLinux" (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in FinalExamLinux
Your public key has been saved in FinalExamLinux.pub
The key fingerprint is:
SHA256:G1NqpO3V4NSkqEU17g2+tT+xDfrmz/o9ft3pFhK1G7k bcuvelier2@student.cccs.edu
The key's randomart image is:
+--[RSA 4096]--+
|   .   .
|   . o = . |
|   + B . . o|
|   * B = . + |
|   o S = + . +|
|   o = o ooE |
|   o . . .=|=|
|   ..+=*|
|   +0BB|
+---[SHA256]---+
liveuser@localhost-live:~$
```

```
Fedora 42 [Running] - Oracle VirtualBox
File Machine View Input Devices Help
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liveuser@localhost-live:~ ~
liveuser@localhost-live:~$ ls -al ~/.ssh
total 8
drwx-----. 2 liveuser liveuser 80 Nov 30 20:42 .
drwx-----. 15 liveuser liveuser 540 Dec 7 19:07 ..
-rw-----. 1 liveuser liveuser 464 Nov 30 20:42 id_ed25519
-rw-----. 1 liveuser liveuser 165 Nov 30 20:42 id_ed25519.pub
liveuser@localhost-live:~$ ssh-add ~/.ssh/id_ed25519
Enter passphrase for /home/liveuser/.ssh/id_ed25519:
liveuser@localhost-live:~$ cat ~/.ssh/id_25519.pub
cat: /home/liveuser/.ssh/id_25519.pub: No such file or directory
liveuser@localhost-live:~$ cat ~/.ssh/id_ed25519.pub
ssh-ed25519 AAAAC3NzaC1lZDI1NTES5AAAIhDE178Qz9o6icNREgudV3yAPVUXdRwBjknckDwX5d6 liveuser@localhost-live
liveuser@localhost-live:~$ ssh -T git@github.com
The authenticity of host 'github.com (140.82.112.3)' can't be established.
ED25519 key fingerprint is SHA256:+0IY3wvvV6TuJhbhpZisF/zLDAOzPMSvHdkr4UVCoqU.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added 'github.com' (ED25519) to the list of known hosts.
Enter passphrase for key '/home/liveuser/.ssh/id_ed25519':
Enter passphrase for key '/home/liveuser/.ssh/id_ed25519':
Enter passphrase for key '/home/liveuser/.ssh/id_ed25519':
git@github.com: Permission denied (publickey).
liveuser@localhost-live:~$ ssh -T git@github.com
Enter passphrase for key '/home/liveuser/.ssh/id_ed25519':
git@github.com: Permission denied (publickey).
liveuser@localhost-live:~$ ssh -T git@github.com
Enter passphrase for key '/home/liveuser/.ssh/id_ed25519':
Hi Bcouvelier! You've successfully authenticated, but GitHub does not provide shell access.
liveuser@localhost-live:~$
```

```
Dec 7 6:44 PM
liveuser@localhost-live:~ — nano ./count1to50.sh ~
liveuser@localhost-live:~ — nano ./count1to50.sh ~
GNU nano 8.3 ./count1to50.sh
#!/bin/bash
#shell script to print numbers 1 to 50
for i in {1..50}; do
    echo $i
done

[ Read 5 lines ]
^G Help      ^O Write Out   ^F Where Is   ^K Cut        ^T Execute   ^C Location
^X Exit      ^R Read File   ^\ Replace     ^U Paste      ^J Justify   ^/ Go To Line
```

A screenshot of a terminal window on a mobile device. The window has a black background and white text. At the top, it shows the date and time: "Dec 7 6:45 PM". Below that, it shows the user information: "liveuser@localhost-live:~". On the far right, there are three icons: a grid, a list, and a close button. In the center, there is a small tilde character (~). At the bottom, the command "liveuser@localhost-live:~\$ chmod +x ./count1to50.sh" is displayed.