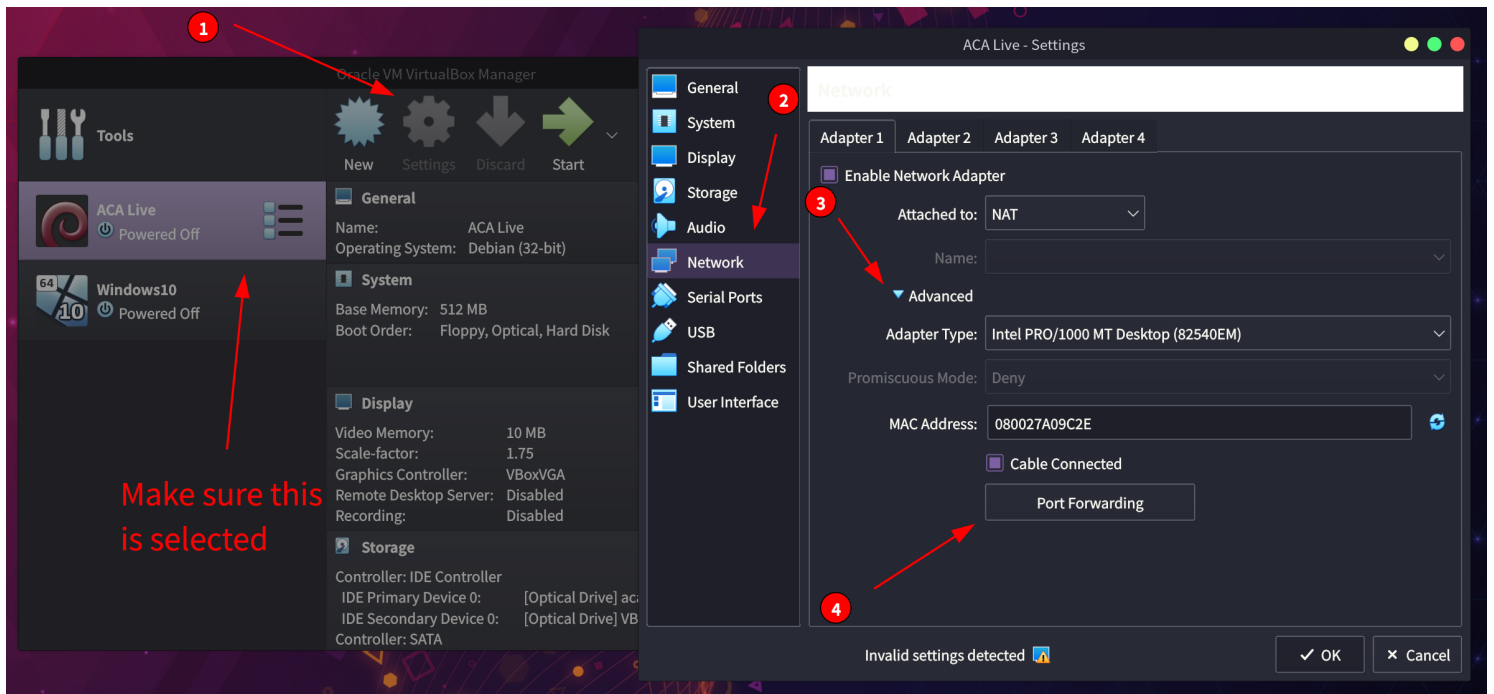


SSH to Your Virtual Machine

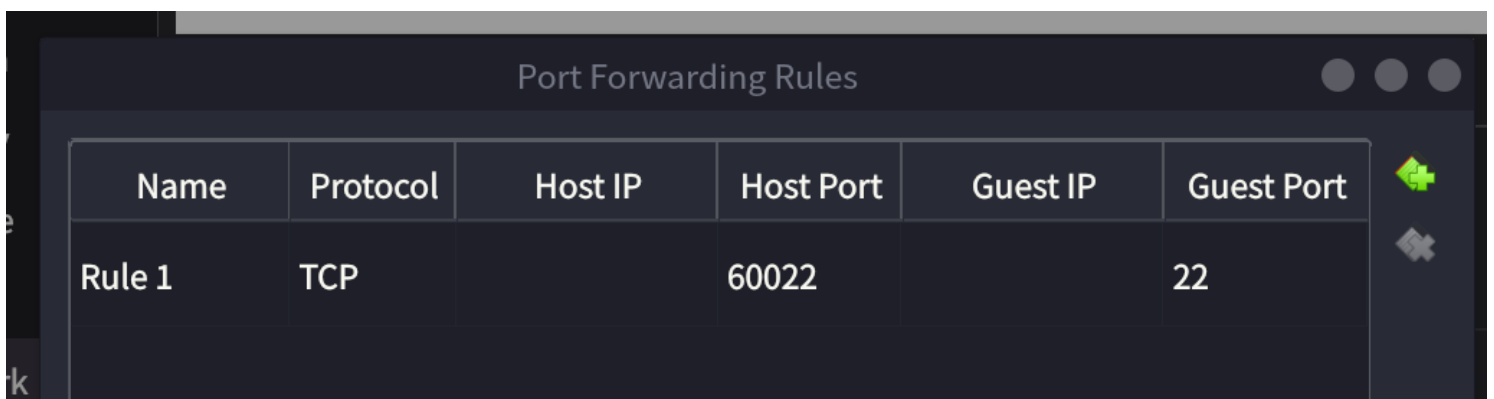
If you're using Linux or MacOS (or WSL for Windows user), you can actually use `ssh` to connect to the virtual machine so that you can start working on your own terminal. By doing so you can release yourself from the low quality graphics interface provided by virtual machine.

We provide the steps for you to setup the port forwarding:

1. Open the Port Forwarding dialog of the virtual machine in the setting -> Network -> Port Forwarding:

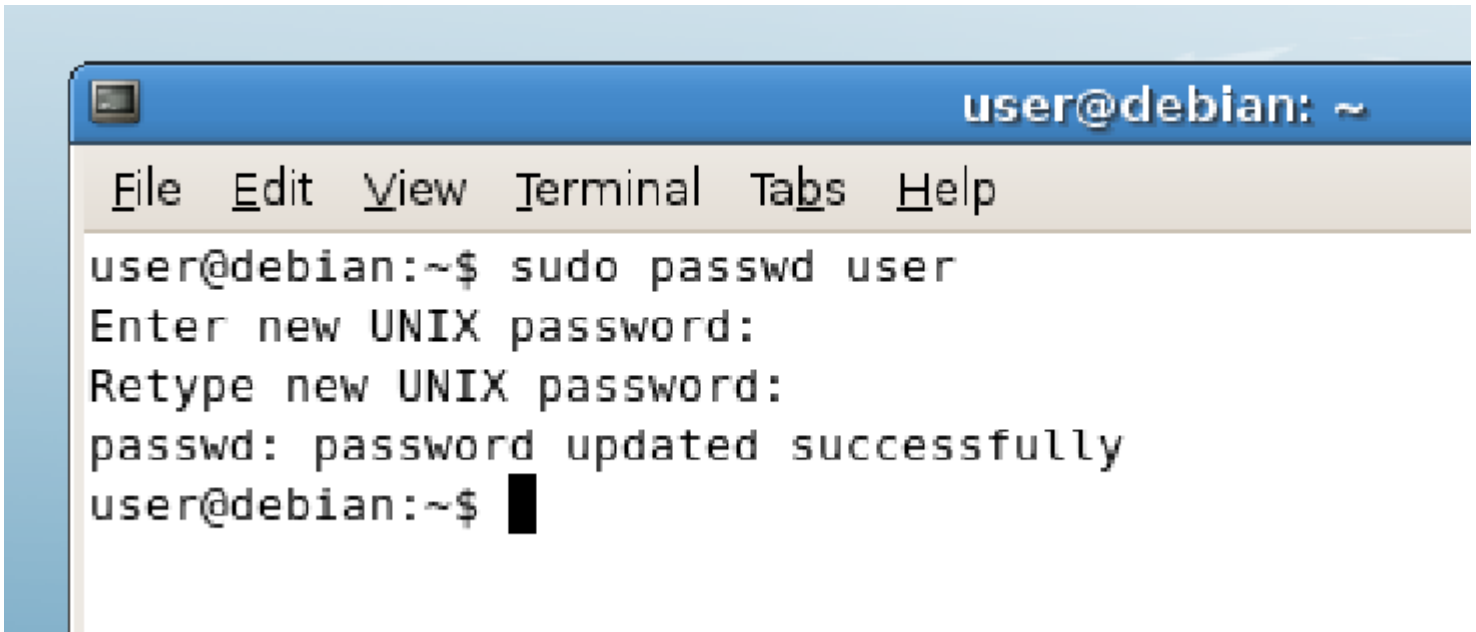


2. Add a forwarding rule that map the guest 22 port to a specific host port. For instance, here I mapped virtual machine's 22 port to host's 60022. This port will be the `ssh` port to connect to the virtual machine. You can pick any available port. Usually a larger number is probably not occupied. The port number should not be larger than 65536.



Click OK to close the dialog.

3. Start the virtual machine in **persistent mode**. Open a terminal to create a password for the user account by type `sudo passwd user` :



```
user@debian:~$ sudo passwd user
Enter new UNIX password:
Retype new UNIX password:
passwd: password updated successfully
user@debian:~$
```

The password is **invisible** when you're typing it. You cannot see it but it's actually already there.

4. Don't close your virtual machine(You can make it minimized). Open a local terminal and use ssh to connect to the virtual machine:

```
ssh user@localhost -p 60022 -oKexAlgorithms=+diffie-hellman-group1-sha1
```

The port number specified by option `-p` should be replaced with your own settings in step 2.

5. Try to type the password you set in the step 3 and press enter. Then you should successfully connect to the virtual machine in your own terminal.

Warning of `less`

If you need a problem "WARNING: terminal is not fully functional" when using `less` , please set the environment variable `TERM` to `xterm` :

```
export TERM=xterm
```

And retry. The reason is that the version of `less` is too old to support the colorful output.