ORACLE

Install and Setup GUI on OCI Linux VM with VNC Server

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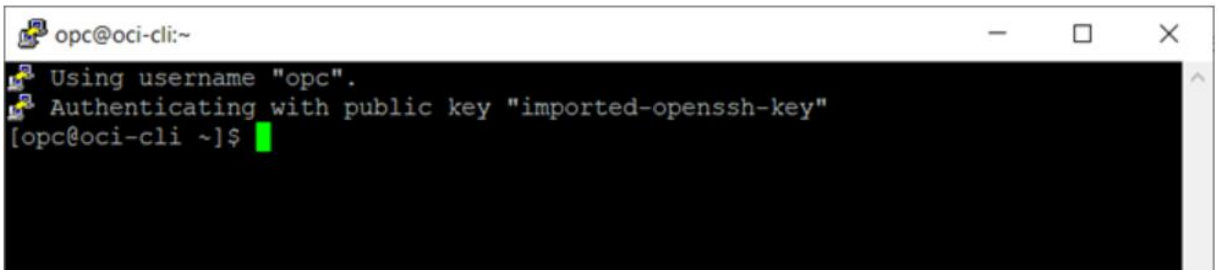
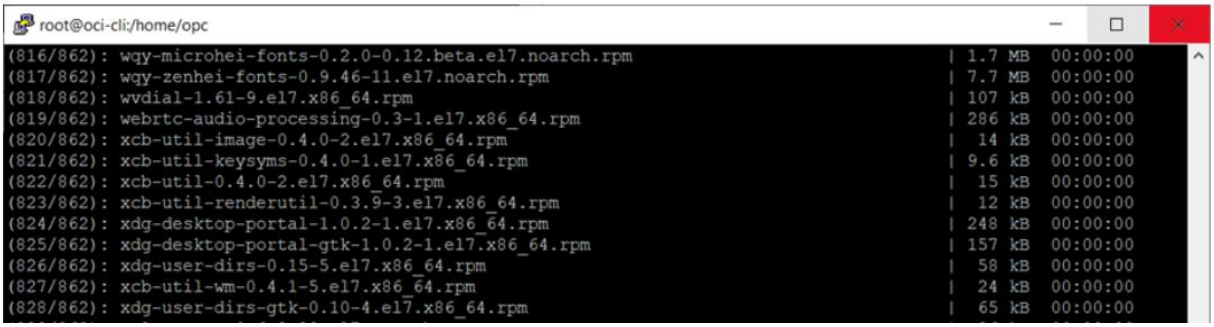
First thing is that you connect to your OCI VM using Putty.



Next become ROOT using SUDO.

Using Yum, install "Server With GUI" with the command, # yum group install "Server with GUI". Do note that this will probably a big download (I got about 2GB of the packages prompted).



Wait for the download and installations to finish.

Check that now you have the GUI option installed.

```
root@oci-cli:/home/opc
[root@oci-cli opc]# yum group list
Loaded plugins: langpacks, ulninfo
Installed Environment Groups:
   Server with GUI
Available Environment Groups:
   Minimal Install
   Infrastructure Server
   File and Print Server
   Basic Web Server
   Virtualization Host
Available Groups:
   Compatibility Libraries
   Console Internet Tools
   Development Tools
   Graphical Administration Tools
   Legacy UNIX Compatibility
   Scientific Support
   Security Tools
   Smart Card Support
   System Administration Tools
   System Management
Done
[root@oci-cli opc]#
```

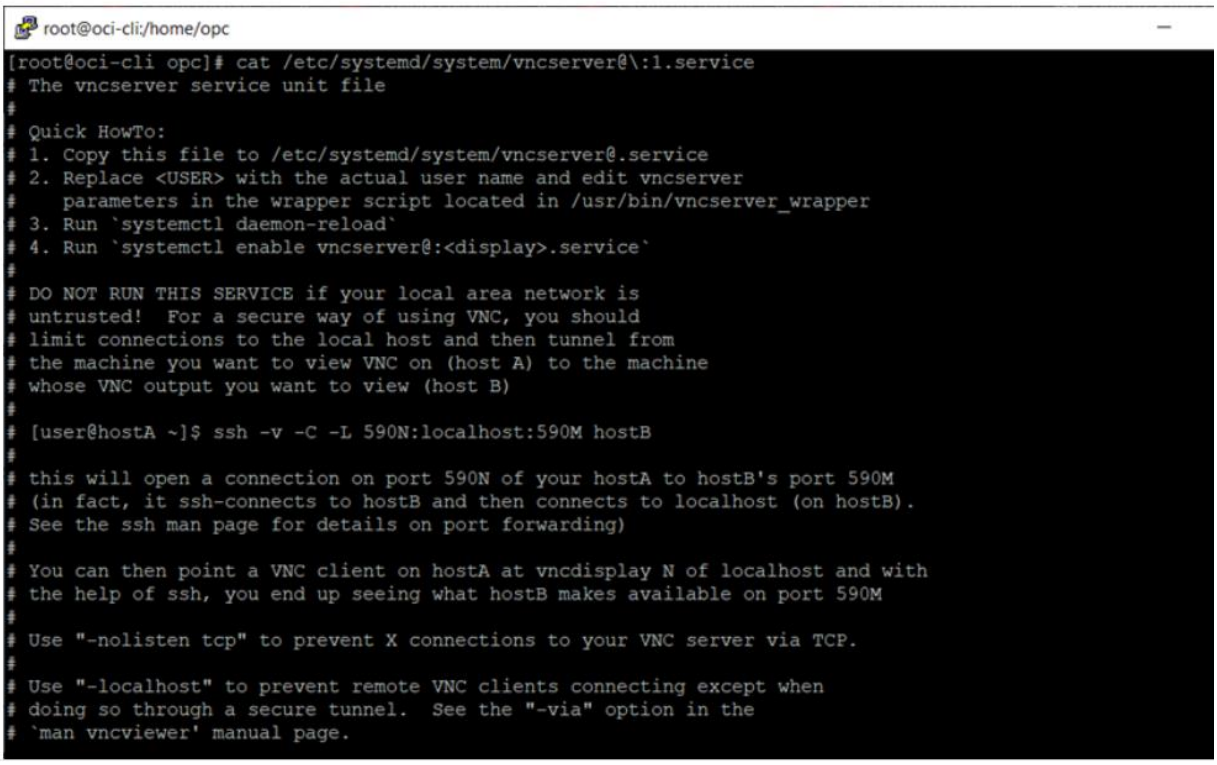
So now we shall install VNC.

```
root@oci-cli:/home/opc
[root@oci-cli opc]# yum install tigervnc-server -y
Loaded plugins: langpacks, ulninfo
Resolving Dependencies
--> Running transaction check
---> Package tigervnc-server.x86_64 0:1.8.0-22.el7 will be installed
--> Finished Dependency Resolution

Dependencies Resolved

================================================================================
 Package                Arch              Version                 Repository
================================================================================
Installing:
 tigervnc-server        x86_64            1.8.0-22.el7            ol7_latest
```

Now, as OPC user, we shall set up password for VNC Server.

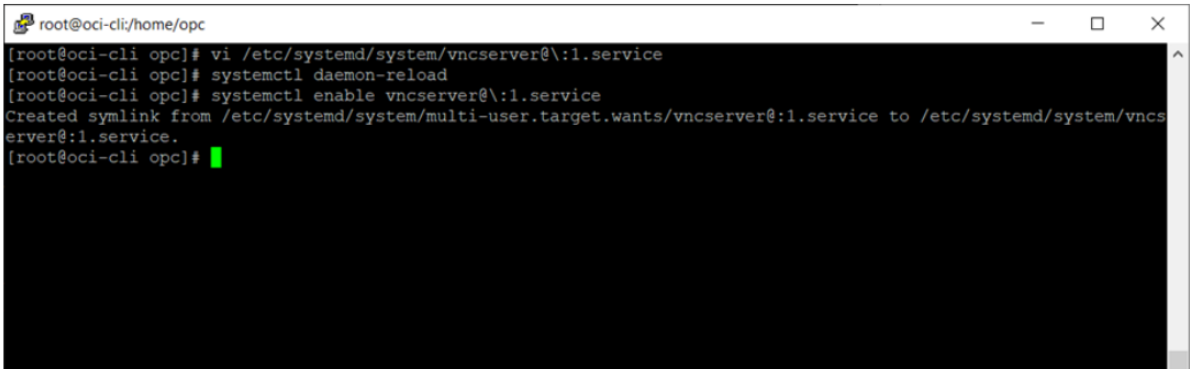
```
opc@oci-cli:~
[opc@oci-cli ~]$ vncpasswd
Password:
Verify:
Would you like to enter a view-only password (y/n)? n
A view-only password is not used
[opc@oci-cli ~]$
```

As ROOT user(use SUDO), copy the VNC service template file from /lib/systemd to /etc/systemd and include \:1.service in the destination filename. Also, we shall see the contents of the file as we are going to modify it.

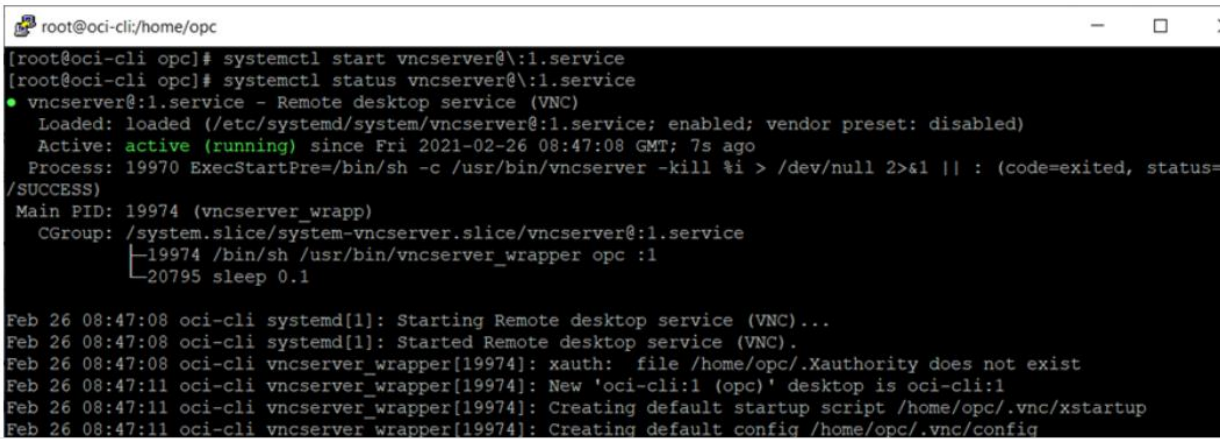


Now, in the section ExecStart, in the <USER> , replace it with OPC user. Use VI or whatever your favourite editor is.

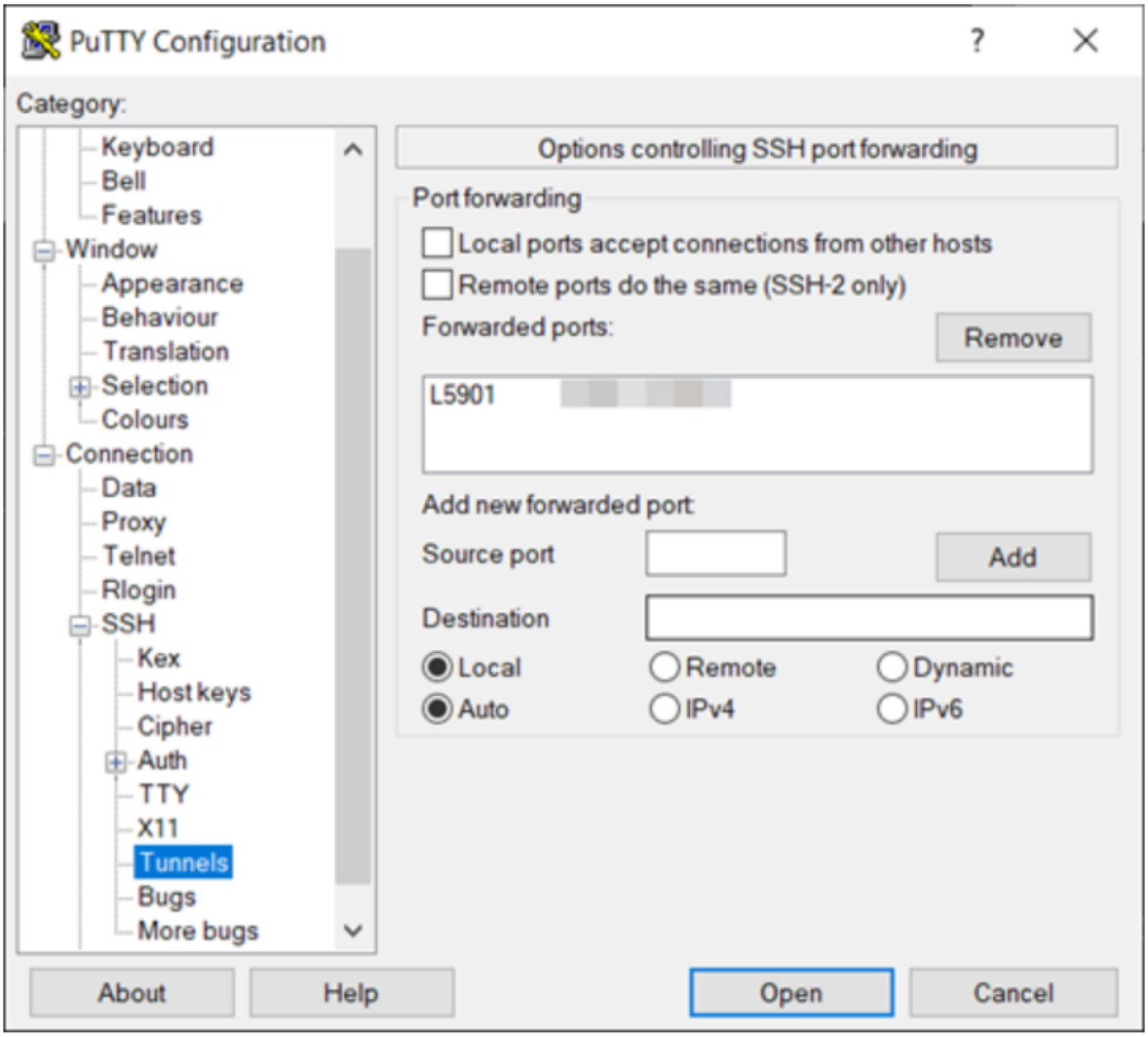
Reload the configuration file and enable the service of VNC.



Start the VNC service and confirm that it's running.

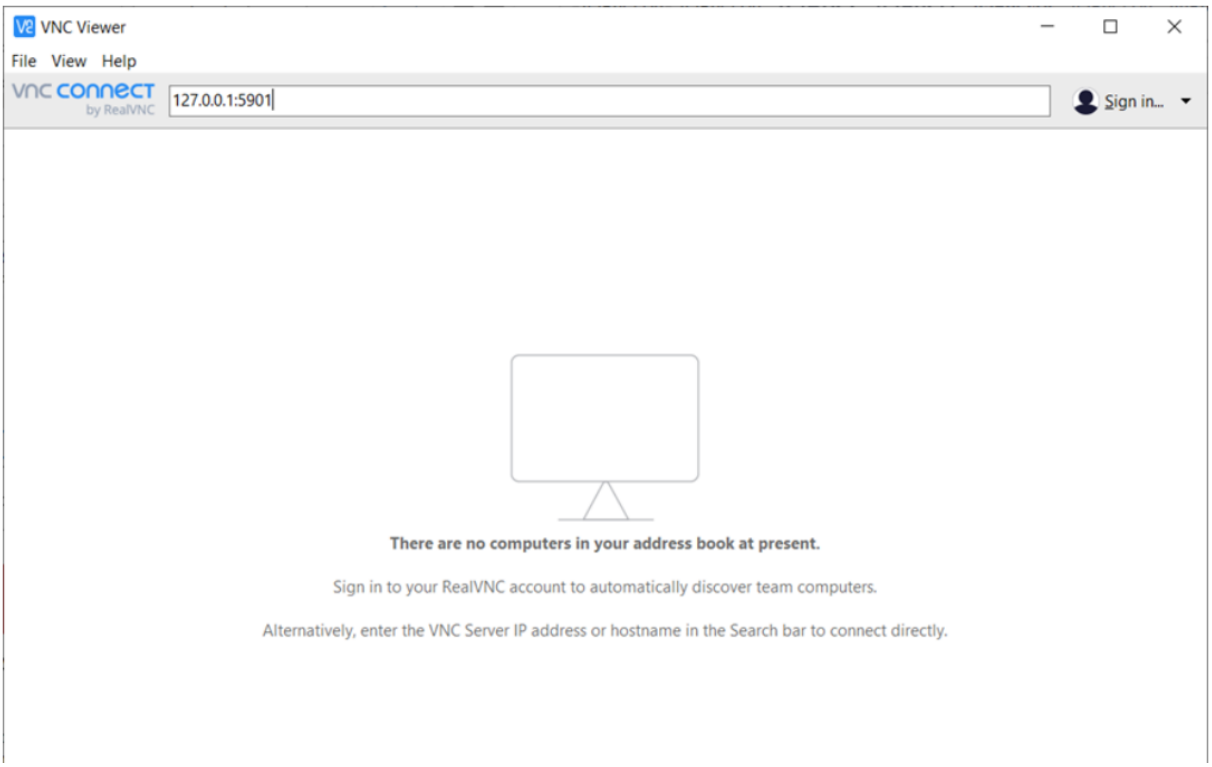


Now, we shall need the SSH tunnel to be configured. Important bit to remember is that in setting it up, you will need to use the Private IP address of your VM. It should appear like this.

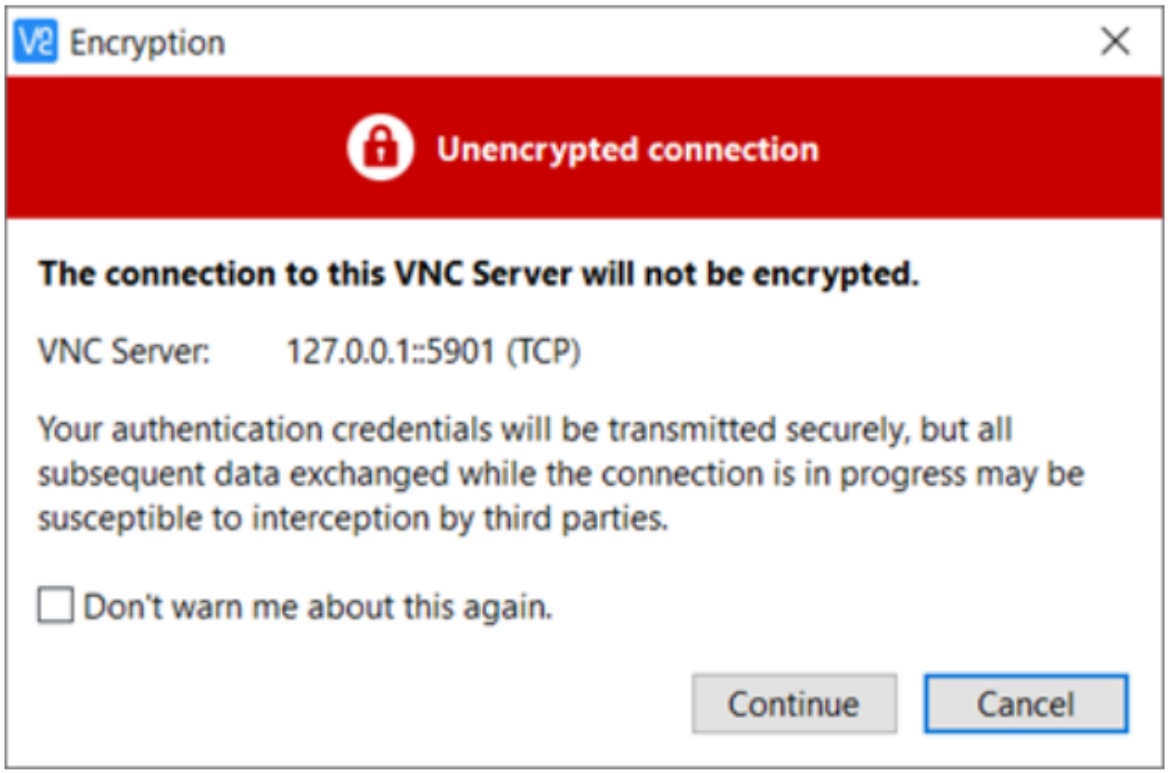


Once you have entered the Public IP address of your VM, start the Putty session to enable the tunnel.

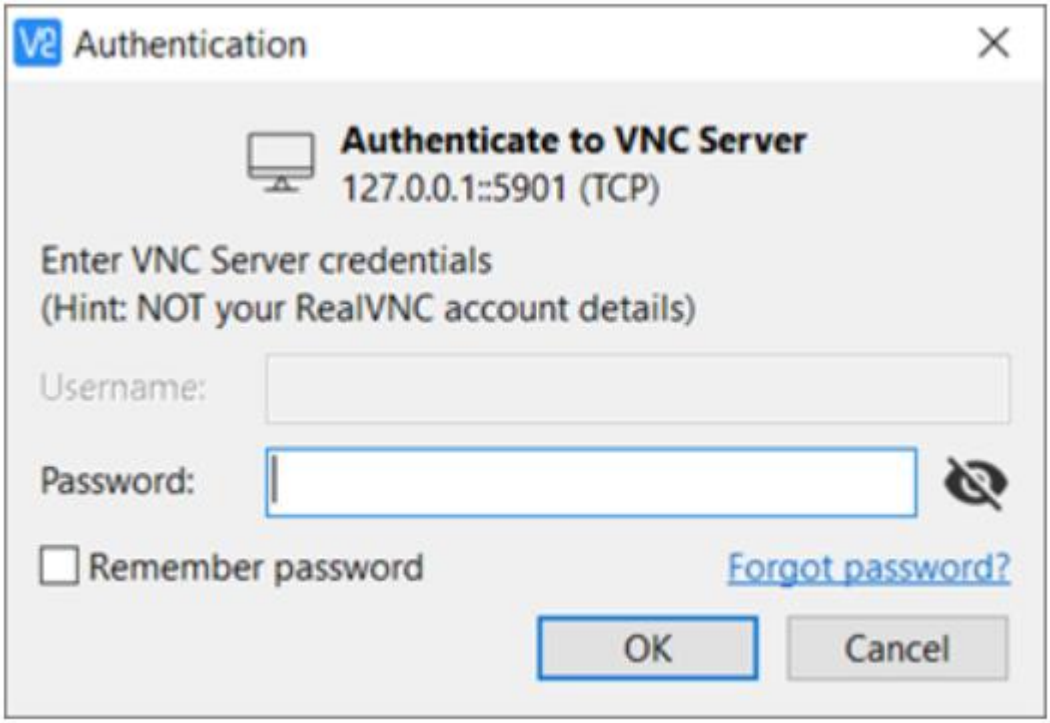
Now using your favorite tool, connect using 127.0.0.1 with the port 5901. I am using VNC Viewer here.



You will be prompted to confirm your connection. Click Continue.



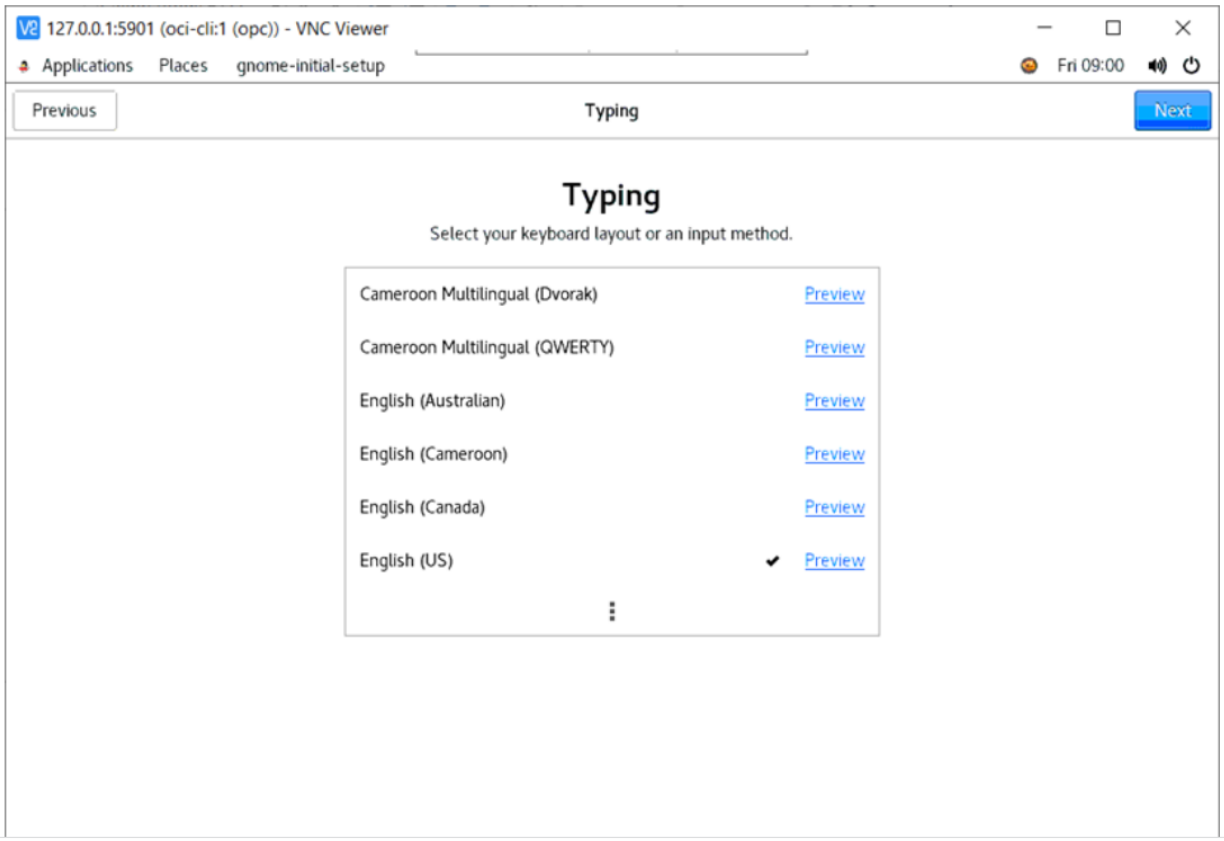
After pressing Continue, you will be prompted to provide the password that you configured for VNC. Enter the correct password.



Once you provide the password, you are asked to choose your preferred language.

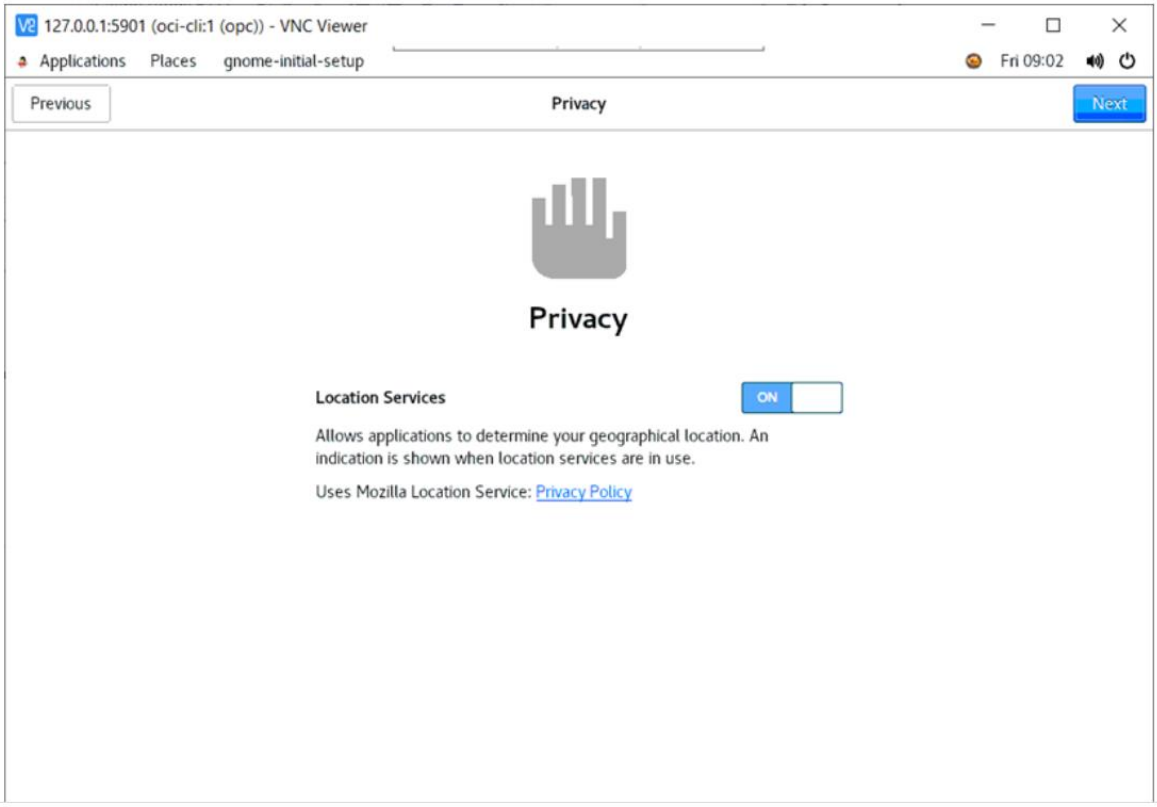
English is by default selected. Click Next if you want to choose that or change your preference and then click Next.

Next is to choose Keyboard.

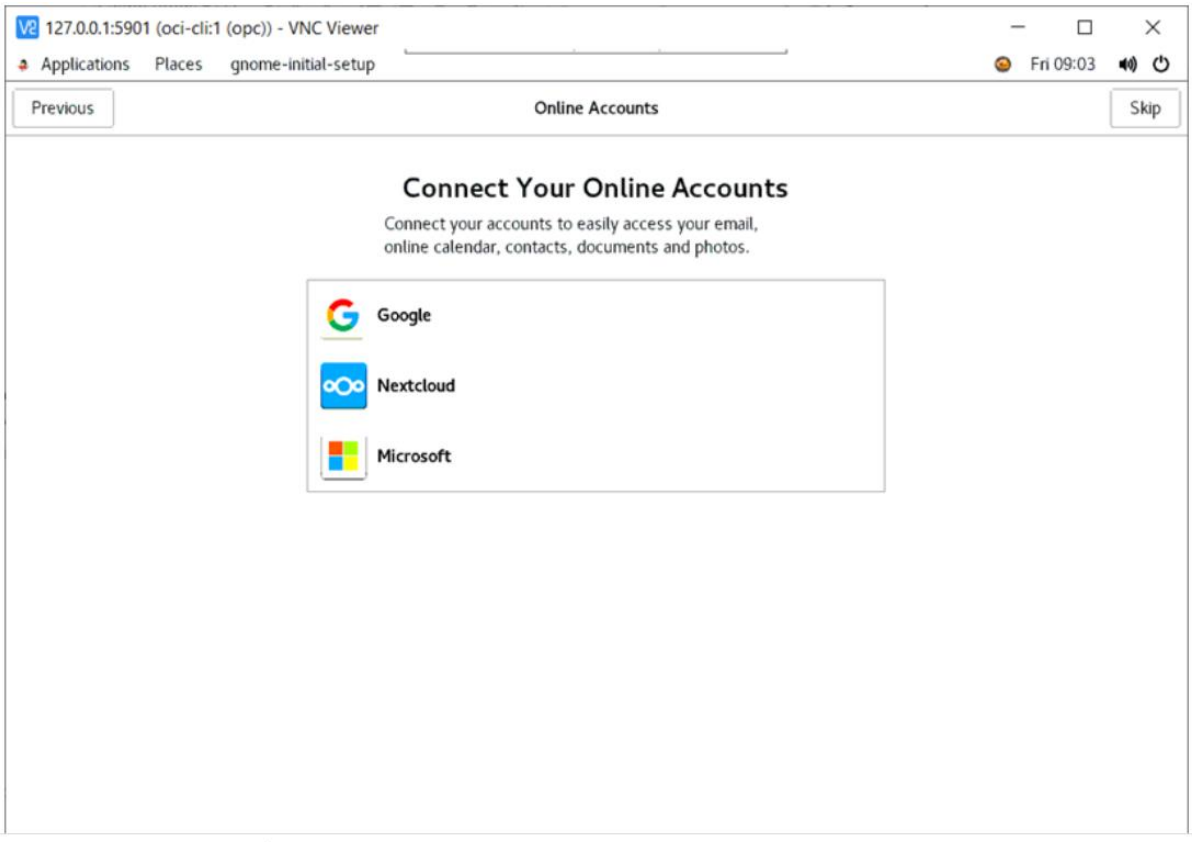


Choose your preference and click Next.

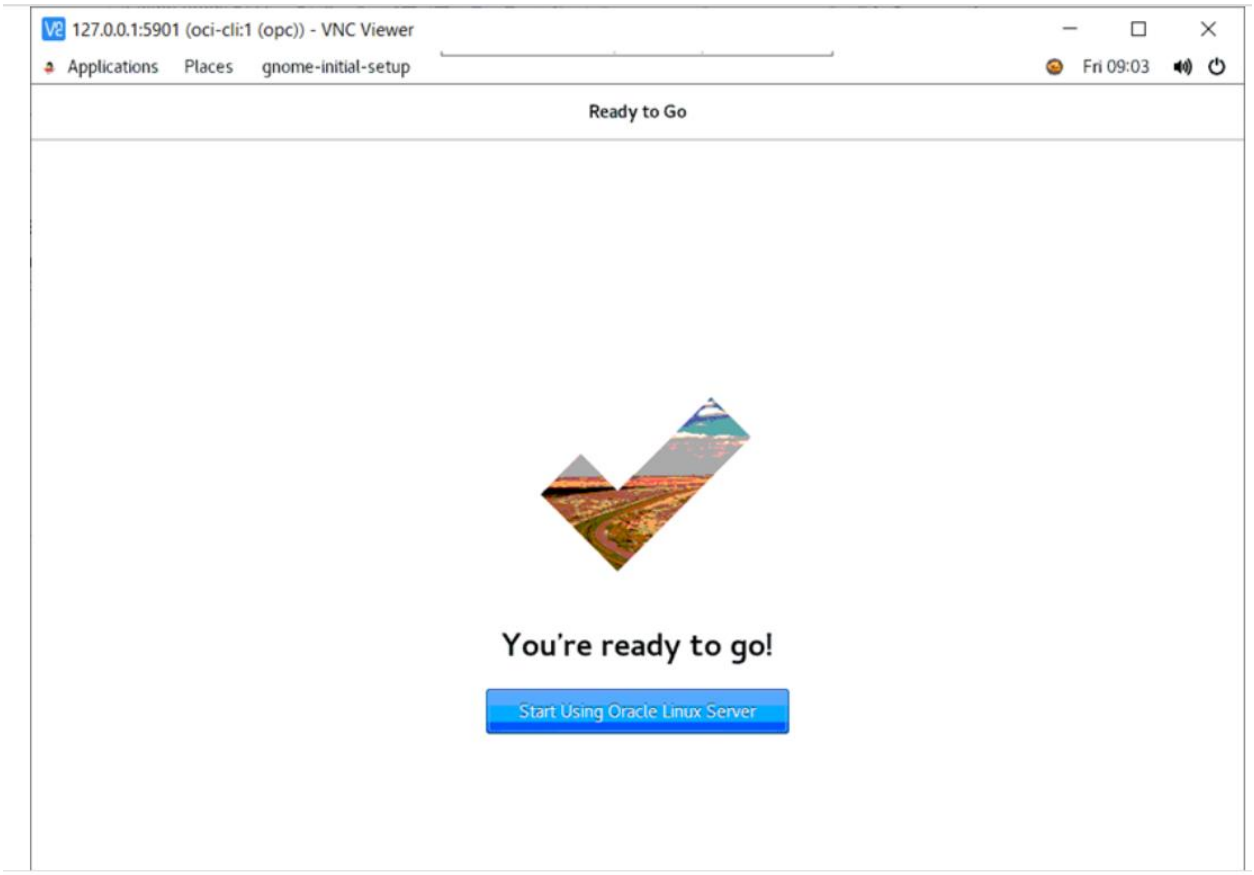
Next is Privacy setting for Location service. I am going to keep it on. You can choose what you want to do.



Next you are prompted to choose your online accounts. I skipped setting any of them by clicking Skip.



Finally, you are told you are good to go.



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