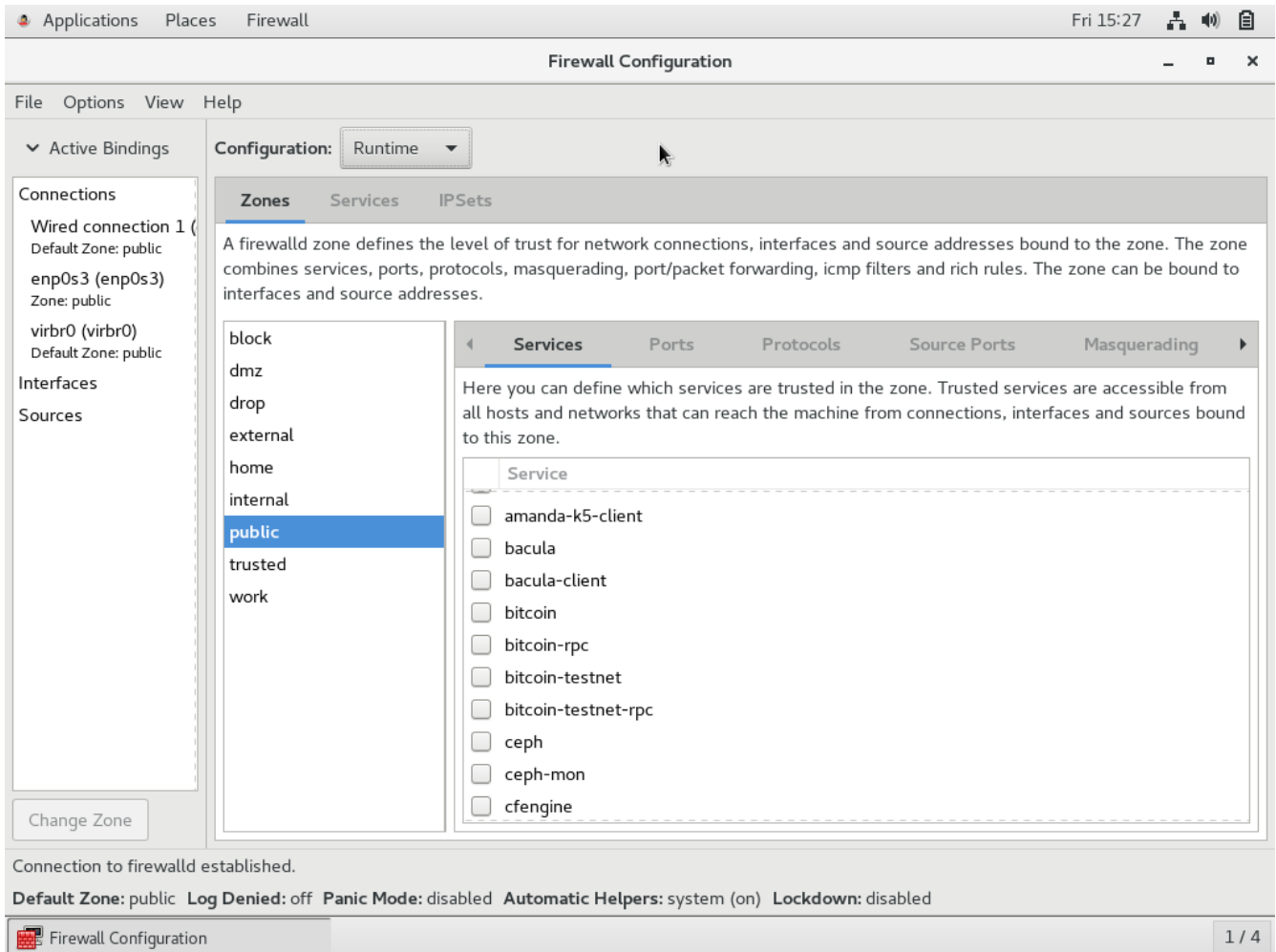
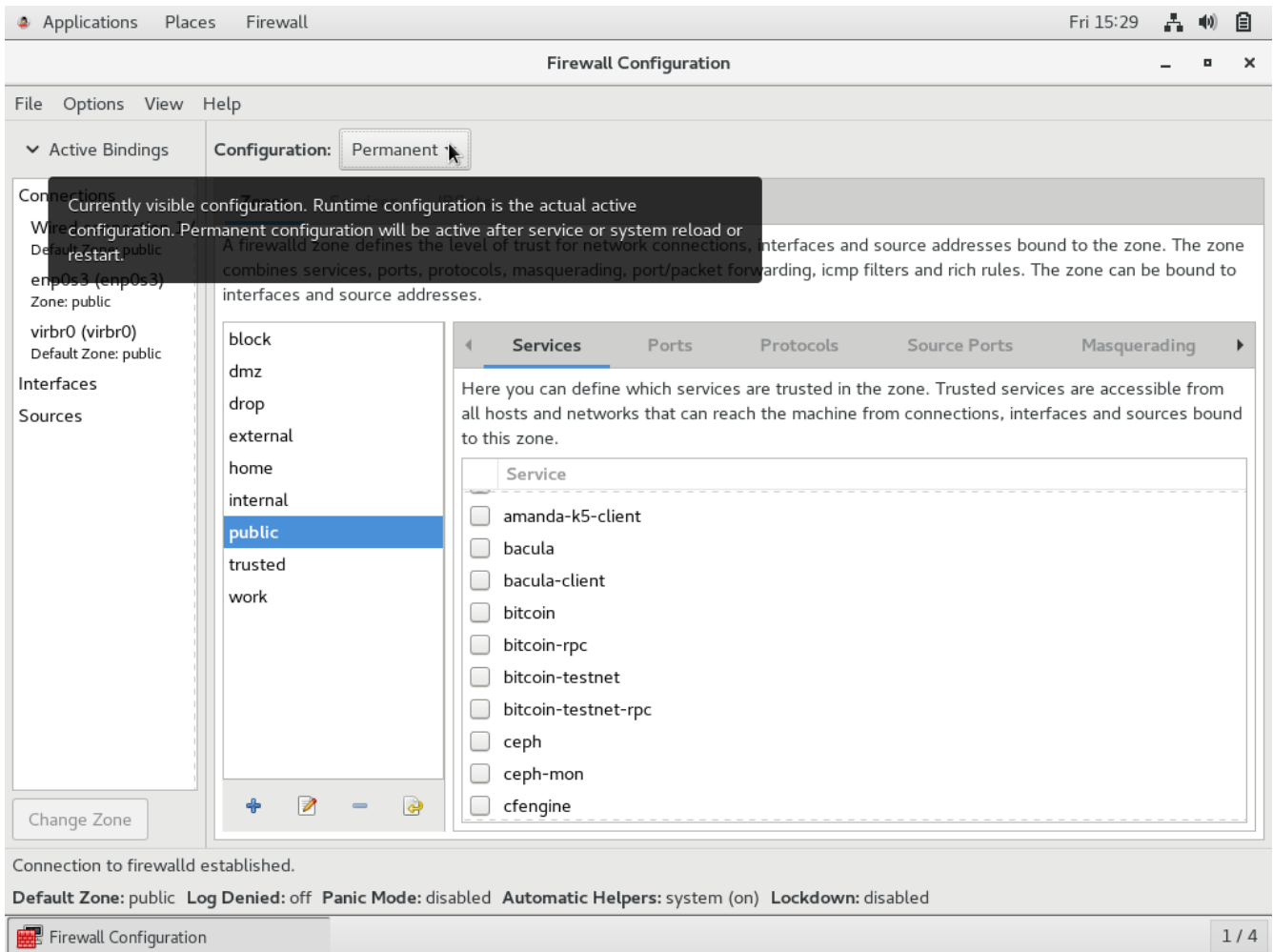


Configuring the Firewall

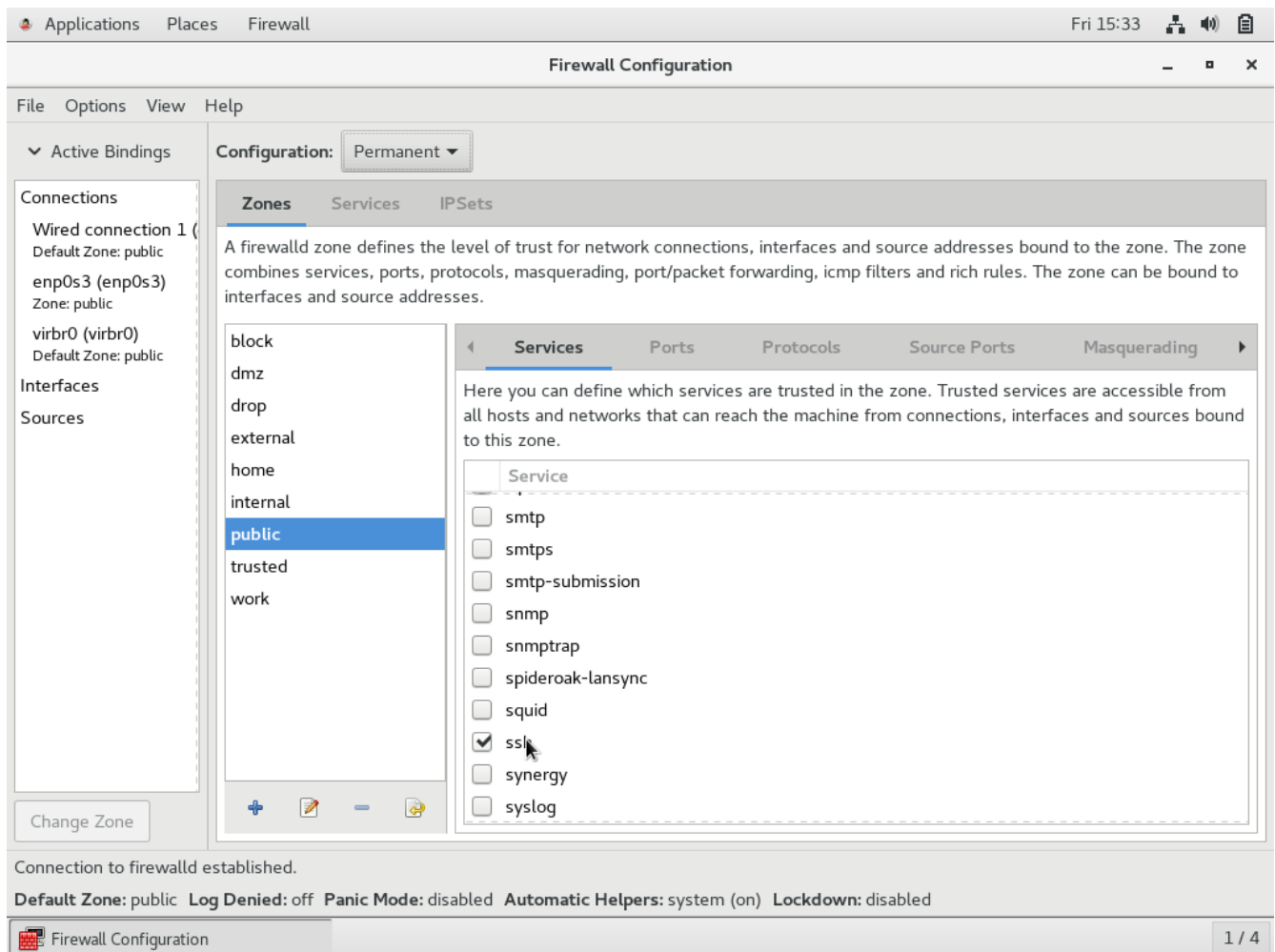
1. First open your firewall manager. This can be accessed through Applications → Sundry → Firewall. You will need an account that has sudo access to use this application.



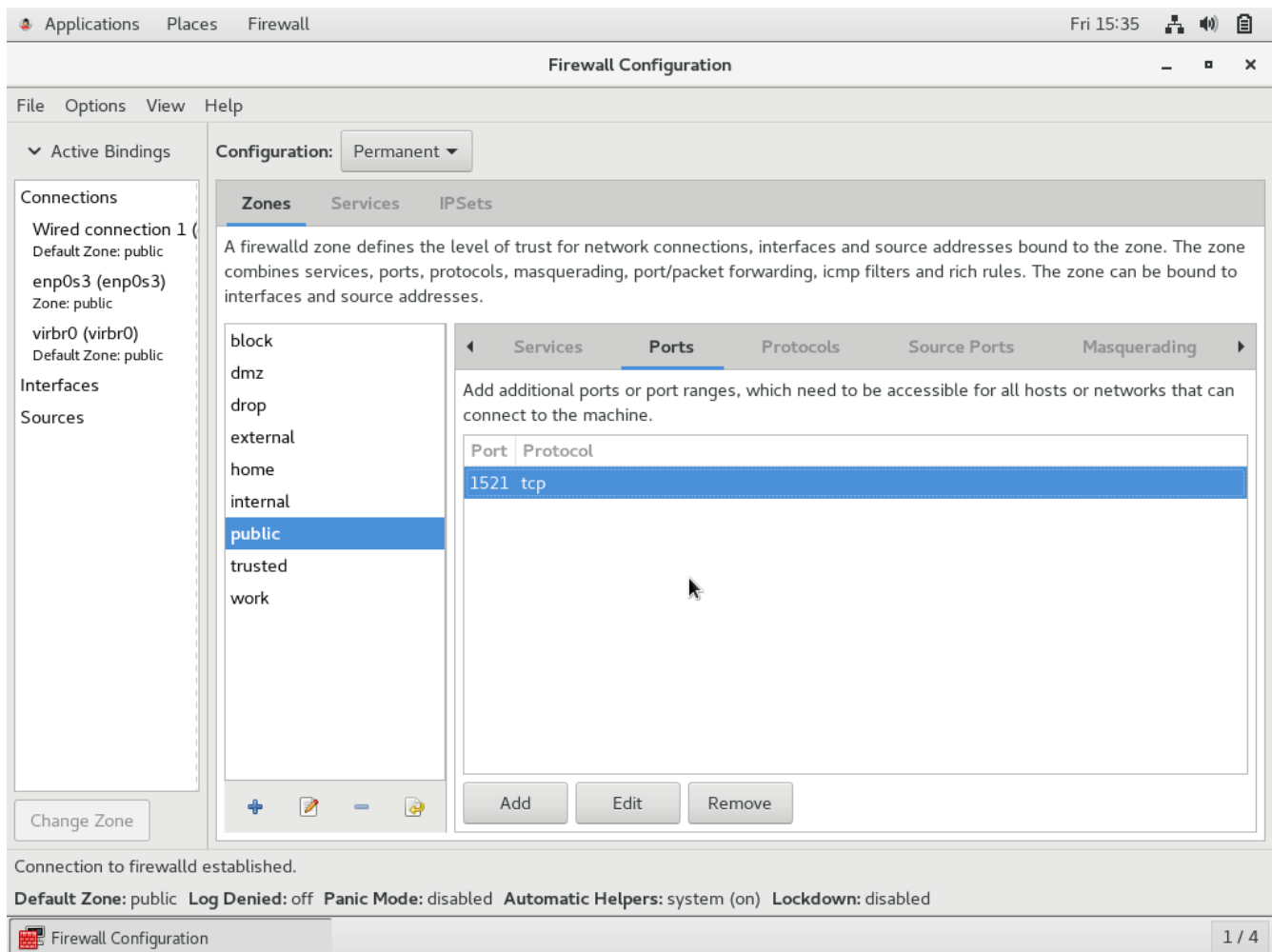
- Next set the 'Configuration' from 'Runtime' to 'Permanent'. If you don't all of the settings set in this guide will be lost when the virtual machine shuts down. Enabling this makes the settings persist through shut downs.



3. **Optional, this is not required: later on if you want to test your network or firewall configurations, you can do this through ssh. By default ssh should be allowed through the firewall but if it isn't you can allow it in the 'Services' tab.



- Now go over to the 'Ports' tab. Oracle typically uses port 1521 to connect with its Databases. We will want to open this port.



*Note: It is okay if you don't see any ports opened in the menu. This will be done in a later step

- Now click on the 'Add' button to open a port. Type in 1521 for the port number and make sure the protocol is 'TCP'.

