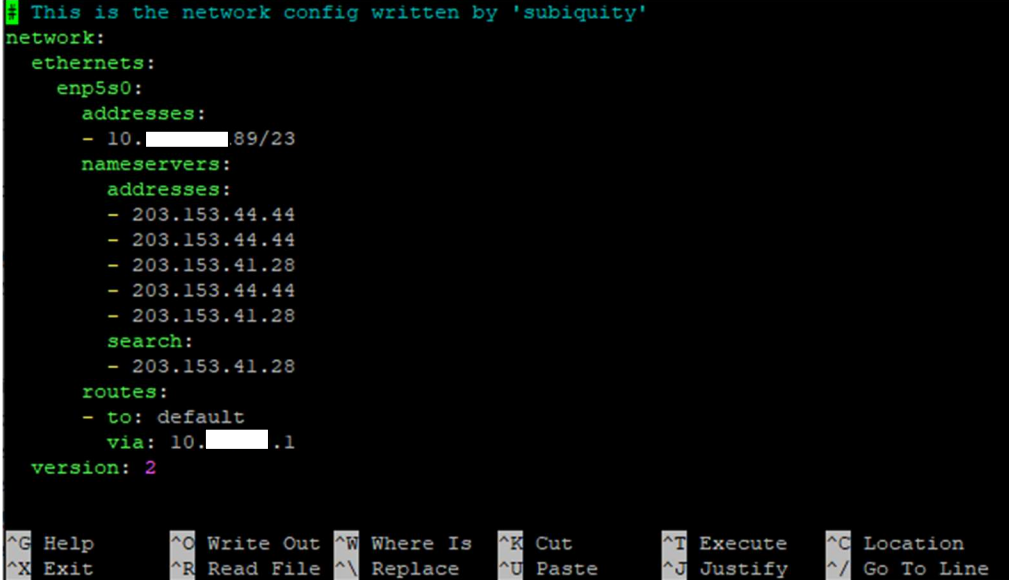


## SERVER INSTALLATION PROCEDURE FOR USING *RExCS*

- Install Latest Ubuntu OS version.
- Provide Railnet Static IP and ensure connectivity.

*cd /etc/netplan*

*sudo nano 00-installer-config.yaml*



```
This is the network config written by 'subiquity'
network:
  ethernets:
    enp5s0:
      addresses:
        - 10.██████89/23
      nameservers:
        addresses:
          - 203.153.44.44
          - 203.153.44.44
          - 203.153.41.28
          - 203.153.44.44
          - 203.153.41.28
        search:
          - 203.153.41.28
      routes:
        - to: default
          via: 10.██████.1
      version: 2

^G Help      ^O Write Out ^W Where Is  ^K Cut      ^I Execute  ^C Location
^X Exit      ^R Read File ^\ Replace   ^U Paste    ^J Justify  ^_ Go To Line
```

Provide IP address for the server, gateway address and DNS accordingly.

Save [cntrl+o] and Exit [cntrl+x]

- Install Desktop environment if required. Using following list of commands
  - *sudo apt update && apt upgrade*
  - *sudo apt install ubuntu-desktop*
  - *sudo apt install lightdm*
  - *sudo systemctl start lightdm.service*
  - *sudo service lightdm start*

*To remove Desktop Environment :*

- *sudo apt autoremove ubuntu-desktop*
- *sudo systemctl stop lightdm.service*
- *sudo apt autoremove lightdm*

- Enable root password:  
`"sudo passwd root"` then enter.  
 Type desired root password and Enter  
 Retype the password if asked and Enter
- Enable root login via SSH.  
 Open Terminal and login to root. [ie: type "**su**" and click enter, then provide root password.]  
`#nano /etc/ssh/sshd_config`  
 Check for the line **#PermitRootLogin**. Remove # from that line and make it as  
`PermitRootLogin yes`  
 Save [cntrl+o] and Exit [cntrl+x]  
`systemctl restart sshd` or  
`service sshd restart`
- Install REXCL and related software using **install** file  
 Open browser in the Server or any other workstation and go to  
`"github.com/ptiriset/Asterisk"`.  
 Click on "**CODE**" button and then **Download files as ZIP file**.  
 Extract the Downloaded ZIP file to any folder.  
 The extracted folder should have full permission. For that, need to do  
`"#chmod -R 777 'folderName'"` in terminal.  
 Open that extracted folder where "**install**" file is available.  
 Open terminal from that folder (with root access preferably).  
 Type "`./install`" and click /Enter/ button.  
 Installation will start and will take few minutes to complete.
- Login to **RExCS** [10.187.1.2].  
 New user need to signup to use **RExCS**. The user account will be activated by Admin.  
 Once the account is activated, Login to **RExCS**.  
  
 For new Exchange creation, **Create new 'Registrar'** by providing all the necessary details including IP of the server , root username and Root password.  
 Create Intercoms in the Registrar,  
 Start creating Phone-accounts,  
 Other features required for the exchange also can be configured in the UI pages.  
 Then Save it to VOIP server by clicking "**Save to Server**" button.  
  
 The Created Registrar, ICOMs , accounts etc will be saved in the database of **RExCS** and can be edited or deleted any time by logging in with same user account.