**Installation of VNC and AutoStart vnc services after restart:**

**Step 1:** Verify the version of Ubuntu Machine using below command line- “**lsb\_release -a”**

**Step 2:** update the version of Ubuntu machine - “**sudo apt-get update”**

**Step 3:** Install the lightdm using this command line - “**sudo apt-get install lightdm”**

if lightdm is not installed then upgrade the machine use this command line- “**sudo apt-get upgrade”** In configuration part select **lightdm** and click **Ok.** After upgraded the machine, reboot is required.

**Step 4:** Install the X11vnc on ubuntu machine – “**sudo apt-get install x11vnc”**

**Step 5:** Create the x11vnc.service below sources location – “**sudo nano /lib/systemd/system/x11vnc.service”**

Copy the below command line and paste it,

**[Unit]**

**Description=x11vnc service**

**After=display-manager.service network.target syslog.target**

**[Service]**

**Type=simple**

**ExecStart=/usr/bin/x11vnc -forever -display :0 -auth guess -passwd password**

**ExecStop=/usr/bin/killall x11vnc**

**Restart=on-failure**

**[Install]**

**WantedBy=mutli-user.target**

Above command line mentioned with **password,** that can be keep respective password for access vnc password. Save the file using **Esc** and then use **:wq!** And Click enter/ **Ctrl+X** and click Y for save the file and then click **Enter.**

**Step 6:** Use the below command line to run X11vnc on ubuntu machine

1. **Systemctl daemon-reload**
2. **Systemctl enable x11vnc.service**
3. **Systemctl start x11vnc.service**

**Step 7:** After running above command line and cross verify the x11vnc.service is running or not

**Systemctl status x11vnc.service**

**Note:** X11vnc services must be run or else after reboot it will not works to access from VNC

**If already install x11vnc and x11vnc.service, below steps to remove complete service.**

systemctl stop [servicename]

systemctl disable [servicename]

rm /etc/systemd/system/[servicename]

rm /etc/systemd/system/[servicename] # and symlinks that might be related

rm /usr/lib/systemd/system/[servicename]

rm /usr/lib/systemd/system/[servicename] # and symlinks that might be related

systemctl daemon-reload

systemctl reset-failed

sudo apt-get remove x11vnc

sudo apt-get remove - -auto-remove x11vnc

sudo apt-get purge x11vnc

sudo apt-get purge - -auto-remove x11vnc

**Reboot the machine and start from step 1 to 6.**