Installation

yum install tigervnc-server tigervnc RedHat Enterprise Linux

Configuration - Single User

copy configuration file

cp /usr/lib/systemd/system/vncserver@.service /etc/systemd/system/vncserver@.service

replace USER with actual user

vi /etc/systemd/system/vncserver@.service
ExecStart=/usr/sbin/runuser -l USER -c "/usr/bin/vncserver %i -geometry 1280x1024"
PIDFile=/home/USER/.vnc/%H%i.pid

reload systemd daemon

systemctl daemon-reload

set the password for the user

su - USER
vncpasswd

start vnc server

systemctl start vncserver@:1.service
systemctl enable vncserver@:1.service

Configuration - Two Users

copy configuration file

cp /usr/lib/systemd/system/vncserver@.service /etc/systemd/system/vncserver-USER_1@.service
cp /usr/lib/systemd/system/vncserver@.service /etc/systemd/system/vncserver-USER_2@.service

Configuration - Two Users (cont)

replace USER with actual user

vi /etc/systemd/system/vncserver-USER_1@.service
ExecStart=/usr/sbin/runuser -l USER_1 -c "/usr/bin/vncserver %i -geometry 1280x1024"
PIDFile=/home/USER_1/.vnc/%H%i.pid
vi /etc/systemd/system/vncserver-USER_2@.service
ExecStart=/usr/sbin/runuser -l USER_2 -c "/usr/bin/vncserver %i -geometry 1280x1024"
PIDFile=/home/USER_2/.vnc/%H%i.pid

reload systemd daemon

systemctl daemon-reload

set the password for the user

su - USER_1
vncpasswd
su - USER_2
vncpasswd

start vnc server

systemctl start vncserver-USER_1@:3.service
systemctl enable vncserver-USER_1@:3.service
systemctl start vncserver-USER_2@:5.service
systemctl enable vncserver-USER_2@:5.service

Configuration - Xinetd

install packages

yum install gdm tigervnc tigervnc-server xinetd

start xinetd

systemctl enable xinetd.service
systemctl start xinetd.service

set systemd default target

systemctl set-default graphical.target

Configuration - Xinetd (cont)

enable XDMCP

vi /etc/gdm/custom.conf
[xdmcp]
Enable=true

create xnvcserver file

vi /etc/xinetd.d/xvncserver
service service_name
{
disable = no
protocol = tcp
socket_type = stream
wait = no
user = nobody
server = /usr/bin/Xvnc
server_args = -inetd -query localhost -once -geometry selected_geometry -depth selected_depth securitytypes=none
}

define service

vi /etc/services
 # VNC xinetd GDM base
service_name 5950/tcp

reboot system

reboot

verify that gdm is listening on UDP port 177

netstat -anu|grep 177

restart the xinetd service

systemctl restart xinetd.service

verify that the xinetd service has loaded the new services

netstat -anpt|grep 595

test the setup

vncviewer localhost:5950

configure firewall

firewall-cmd --permanent --zone=public --add-port=5950/tcp
firewall-cmd --reload

C By misterrabinhalder

cheatography.com/misterrabinhalder/

Published 5th March, 2019.
Last updated 4th March, 2019.
Page 1 of 2.

Configuration - Share Existing Desktop

install packages

yum install tigervnc-server

set the VNC password

vncpasswd

start x0vncserver

x0vncserver -PasswordFile=.vnc/passwd -AlwaysShared=1

VNC Viewer

start viewer

vncviewer *address*:*display_number*

Configuration - Firewall

see firewalld settings

firewall-cmd --list-all

open a port for TCP traffic in the public zone

firewall-cmd --zone=public --add-port=5904/tcp

view the ports that are currently open for the public zone

firewall-cmd --zone=public --list-ports

Tips & Tricks

connecting to VNC Server Using SSH

vncviewer -via *user@host*:*display_number*

restricting VNC Access

ExecStart=/usr/sbin/runuser -l user -c "/usr/bin/vncserver -localhost %i"

By **misterrabinhalder**

Published 5th March, 2019.
Last updated 4th March, 2019.
Page 2 of 2.

cheatography.com/misterrabinhalder/