Cheatography

TigerVNC Cheat Sheet

by misterrabinhalder via cheatography.com/35799/cs/19021/

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

Configuration - Two Users (cont)

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

Configuration - Xinetd (cont)

configure firewall

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

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"
```

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
```

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
```

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
```

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
```

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