Remote Desktop(VNC) on Fedora 10 for System with Tabernus Installed OS

This instructions is applicable for system that has the OS installed using Tabernus iso (Generic 10/Fedora10).

Preparations:

Please make sure you have access to the internet on the 2nd NIC

- Make sure 2nd NIC is set to get IP address automatically from DHCP server

1. Open a Terminal window
   a. Install VNCServer
      i. # yum install vnc-server –y
         1. Wait for the download and installation to finish

   b. Create and verify VNCServer password
      i. # vncpasswd
         1. Password: Tabernus
         2. Verify :Tabernus

   c. Edit and save changes the vncserver file
      i. #gedit /etc/sysconfif/vncservers
      ii. Copy the last two lines, paste, uncomment and edit to look like below:

VNCSERVER=”2:root”
VNCSERVERARGS[2]=”=geometry 1280 x1024”

2. Edit the /etc/X11/xorg.conf file
   a. Open the Terminal Window
      i. #gedit /etc/X11/xorg.conf
         1. Add this line to the last line of to **Section “Module”**

Load “vnc”

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Eg: Section "Module"
        Load  "extmod"
        Load  "record"
        Load  "glx"
        Load  "dri"
        Load  "dri2"
        Load  "vnc"
    EndSection
```

         2. Add this line to **Section “Screen”** between Monitor “Monitor0” and Subsection “Display”

Option “SecurityTypes” “None”

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Eg: Section "Screen"
        Identifier "Screen0"
        Device     "Card0"
        Monitor    "Monitor0"
        Option     "SecurityTypes" "None"
        SubSection "Display"
          Bla..bla..bla
          Yada…yada..yada..
        EndSubSection
    EndSection
```

3. Start the vncserver services
    a. Open the Terminal Window
        i. Check the service status
            1. #service vncserver status
        ii. Turn it on
            1. #service vncserver start
        iii. Turn on service at each boot
            1. #chkconfig vncserver on

4. Edit the remote desktop view
    a. Open the Terminal Window
        i. #gedit ~/.vnc/xstartup
            1. Uncomment line 5 *unset SESSION MANAGER*
            2. Uncomment line 6 *exec /etc/X11/xinit/xinitrc*
            3. Comment out line 12 *#twm &*
            4. Add this line on line 13 *startx &*
            5. Save and close the file
        ii. Eg:

```
1.  #!/bin/sh
2.
3.  vncconfig -iconic &
4.  # Uncomment the following two lines for normal desktop:
5.   unset SESSION_MANAGER
6.   exec /etc/X11/xinit/xinitrc
7.
8.  [ -x /etc/vnc/xstartup ] && exec /etc/vnc/xstartup
9.  [ -r $HOME/.Xresources ] && xrdb $HOME/.Xresources
10. xsetroot -solid grey
11. xterm -geometry 80x24+10+10 -ls -title "$VNCDESKTOP Desktop" &
12. #twm &
13. startx &
```

5. Reboot the system

6. After reboot, check the IP address of NIC1 that attached to the corporate network.

    a. Make sure there is connection to the internet
    b. Open Terminal Window
        i. #ifconfig
    c. Record the IPAaddress of eth1

7. Use your favourite VNC Viewer software to access the server remotely using the IP Address in step 6c.

8. Or download a remote desktop viewer to access the server remotely
    a. We recommend TightVNC and you can download it free from the internet
        i. http://www.tightvnc.com/
        ii. Follow the instructions on TightVNC website to access Tabernus server remotely using the IPAddress you recorded in Step 6.c.

9. If PXE network unable to work properly (eg. Client PCs error out with error message: "**No DHCP or ProcyDHCP offers were received."** Refer next step.

10. Modify the following files to make sure there is no conflict between EELAN PXE network and VNC/Internet access network.
    a. #gedit /etc/sysconfig/dhcpd
        i. Add *eth=0* to the line 2. Save and close.

DHCPDARGS=eth0

    b. #gedit /etc/sysconfig/network-scripts/ifcfg-eth0
    c. #gedit /etc/sysconfig/network-scripts/ifcfg-eth1

    Use the following table to edit these 2 files.
    Pay attention to item highlighted in green.
    - Add if item is missing.
    - If item is showing n/a below, no need to add in

	EELAN PXE **ifcfg-eth0**		vnc/internet **iffg-eth1**
BOOTPROTO	none		dhcp
DEFROUTE	no		yes
NM_CONTROLLED	no		yes
USERCTL	yes		yes
PEERDNS	no		yes
PEERROUTE	n/a		no
NETMASK	255.25.255.0		n/a
IPADDR	192.168.0.1		n/a
GATEWAY	192.168.0.1		n/a
ONBOOT	yes		yes
IPV6INIT	no		no
TYPE	Ethernet		Ethernet
NAME	"eth0"		"eth1"
HWADDR	xx:xx:xx:xx:xx:xx		xx:xx:xx:xx:xx:xx

11. Reboot the unit once all the files had been edited and saved.
12. Test to make sure Remote Desktop(VNC)/Internet and PXE network are working independently.

Contact Tabernus Support if you have any questions:
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