

Fedora 13 Desktop Configuration Guide for LANforge

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The procedure described here is guide for configuring the Desktop of the **Fedora 13** operating system and integrating the LANforge GUI into the Desktop.

Before beginning this procedure, verify that the Keyboard-Video-Mouse (KVM) are all connected and the appliance's management port is connected to your network. If you are using a KVM switch, ensure it is set to display LANforge once it is powered up. LANforge is very flexible, so if you have hardware constraints that do not appear to be supported by LANforge, please contact support@candelatech.com. It is likely we have a solution!

2. Customize Desktop

The following steps will customize the desktop to the factory LANforge settings.

When the boot sequence is complete, login from the Fedora welcome screen:

- Username and Password: lanforge

The Fedora default Desktop now be displayed.

Lower system load by selecting a blank screensaver:

- Select: System->Preferences->Screensaver
- Select: Blank screen and click [Close]

For convenience add Terminal program to desktop Panel:

- Select: Applications->System Tools->Terminal
- Right Click on Terminal and select [Add this launcher to panel]

Configure the Desktop panels:

Right-click on the lower panel displayed on the Desktop and select **Properties**. This will pop up the Panel Properties window. Select the **General** tab.

- Orientation: select 'Top' from drop-down menu
- Click [Close]

Right-click on the following icons and select [Remove From Panel] (any order is OK):

- Email, Tomboy Notes (notepad icon), User Switcher ('lanforge'), Volume Control (speaker icon), and Trash (on second panel)

Right-click on the top panel and select **Add to Panel...**

- Select **System Monitor**, then click [Add] and [Close]

Right-click the following to change their settings:

- System Monitor (processor): select **Move** and move to the left of the Workspace icon.
- Workspace (one of the two gray squares): deselect the 'Lock To Panel' checkbox. Right-click again and select **Move** and move to the left of date (top panel).

Right-click the System Monitor (processor) and select **Preferences**. This will pop up the System Monitor Preferences window.

- Select the checkboxes for the following **Monitored Resources**: Memory, Swap Space, Load, and Harddisk
- System monitor Update interval: type '1000' in the window and click [Close]

Disable startup program sessions:

- Select the **System** pull-down then mouse over **Preferences > Personal >** and click on **Sessions**
- Deselect all checkboxes in the **Startup Programs** tab and click [Close]

Install the Wireshark launcher to the top panel of the Desktop (will appear to the right of Firefox icon):

- Select the **Applications** pull-down then mouse over **Internet >** and right-click on **Wireshark Network Analyzer** and select [Add this launcher to panel]

Click the terminal icon on the top panel two times to open two terminal windows on the Desktop.

Change terminal window scrollbar to 10,000 lines (6367 or 6484 kilobytes in memory size for 32-bit or 64-bit, respectively)

- Select the **Edit** pull-down and select **Current Profile...** to open the Editing Profile "Default" window
- Select the **Scrolling** tab
- Scrollback: type '10000' lines in window and select [Close]
- Save these Desktop settings as lanforge:
`$ gnome-session-save`

3. Install LANforge GUI and Desktop Icons

- As root, change directory to the LANforge GUI install directory which is, by default, /home/lanforge/LANforgeGUI_5.1.6:
`$ su -`

```
# cd /home/lanforge/LANforgeGUI_5.1.6
```

- Install the Desktop icons as root:
./lfgui_install.bash

4. Appendix A: A Complete List of Service Run Levels

All services for a LANforge system are listed here.

- A complete list of services for all levels is returned by running the following command as root:
chkconfig --list
- Services can be turned on or off for all levels with the following command (example) as root:
chkconfig --level 2345 NetworkManager off

Service Name	Run Level				
	default		LANforge (* modified)		
ConsoleKit	3:on	5:on	3:on	5:on	
NetworkManager	3:on 4:on	5:on	*3:off 4:off	5:off	
acpid	3:on	5:on	3:on	5:on	
anacron	3:on	5:on	3:on	5:on	
atd	3:on	5:on	3:on	5:on	
auditd	3:on	5:on	3:on	5:on	
autofs	3:on	5:on	3:on	5:on	
avahi-daemon	3:on	5:on	*3:off	*5:off	
backuppc	3:off	5:off	3:off	5:off	
bluetooth	3:on	5:on	*3:off	*5:off	
btseed	3:off	5:off	3:off	5:off	
bttrack	3:off	5:off	3:off	5:off	
capi	3:off	5:off	3:off	5:off	
chargen-dgram	3:off	5:NA	3:off	5:NA	
chargen-stream	3:off	5:NA	3:off	5:NA	
cpuspeed	3:on	5:on	*3:off	*5:off	
crond	3:on	5:on	3:on	5:on	
cups	3:on	5:on	*3:off	*5:off	
cvs	3:off	5:NA	3:off	5:NA	
daytime-dgram	3:off	5:NA	3:off	5:NA	
daytime-stream	3:off	5:NA	3:off	5:NA	
dc_client	3:off	5:off	3:off	5:off	
dc_server	3:off	5:off	3:off	5:off	
dhcpd	3:on	5:on	*3:off	*5:off	
dhcrelay	3:on	5:on	*3:off	*5:off	
discard-dgram	3:off	5:NA	3:off	5:NA	
discard-stream	3:off	5:NA	3:off	5:NA	
dnsmasq	3:off	5:off	3:off	5:off	
dovecot	3:off	5:off	3:off	5:off	
dund	3:off	5:off	3:off	5:off	
echo-dgram	3:off	5:NA	3:off	5:NA	
echo-stream	3:off	5:NA	3:off	5:NA	
firstboot	3:on	5:on	*3:off	*5:off	
fuse	3:off	5:off	3:off	5:off	
gpm	3:on	5:off	3:off	5:off	
haldaemon	3:on	5:on	3:on	5:on	
httpd	3:off	5:off	3:off	5:off	
innd	3:off	5:off	3:off	5:off	
ip6tables	3:on	5:on	*3:off	*5:off	
iptables	3:on	5:on	*3:off	*5:off	
irda	3:off	5:off	3:off	5:off	
irqbalance	3:on	5:on	3:on	5:on	
iscsi	3:on	5:on	*3:off	*5:off	
iscsid	3:on	5:on	*3:off	*5:off	
isdn	3:on	5:on	*3:off	*5:off	
kudzu	3:on	5:on	3:on	5:on	
ldap	3:off	5:off	3:off	5:off	
lm_sensors	3:off	5:off	3:off	5:off	
mdmonitor	3:on	5:on	*3:off	*5:off	
messagebus	3:on	5:on	3:on	5:on	
microcode_ctl	3:on	5:on	*3:off	*5:off	
multipathd	3:off	5:off	3:off	5:off	
mysqld	3:off	5:off	3:off	5:off	
named	3:off	5:off	3:off	5:off	
netconsole	3:off	5:off	3:off	5:off	
netfs	3:on	5:on	3:on	5:on	
netplugd	3:off	5:off	3:off	5:off	
network	3:on	5:on	3:on	5:on	
nfs	3:off	5:off	3:off	5:off	
nfslock	3:on	5:on	3:on	5:on	
nmb	3:off	5:off	3:off	5:off	
nscd	3:off	5:off	3:off	5:off	
ntpd	3:on	5:on	3:on	5:on	
openvpn	3:off	5:off	3:off	5:off	
pand	3:off	5:off	3:off	5:off	
pcscd	3:on	5:on	*3:off	*5:off	
postgresql	3:off	5:off	3:off	5:off	
psacct	3:off	5:off	3:off	5:off	
racoon	3:off	5:off	3:off	5:off	

rdisc	3:off	5:off	3:off	5:off
restorecond	3:on	5:on	*3:off	*5:off
rpcbind	3:on	5:on	3:on	5:on
rpcgssd	3:on	5:on	3:on	5:on
rpcidmapd	3:on	5:on	3:on	5:on
rpcsvcgssd	3:off	5:off	3:off	5:off
rsync	3:off	5:NA	3:off	5:NA
rsyslog	3:on	5:on	3:on	5:on
saslauthd	3:off	5:off	3:off	5:off
sendmail	3:on	5:on	*3:off	*5:off
setroubleshoot	3:on	5:on	*3:off	*5:off
smartd	3:off	5:off	*3:on	*5:on
smb	3:off	5:off	3:off	5:off
smolt	3:off	5:off	3:off	5:off
snmpd	3:off	5:off	3:off	5:off
snmptrapd	3:off	5:off	3:off	5:off
spamassassin	3:off	5:off	3:off	5:off
squid	3:off	5:off	3:off	5:off
sshd	3:on	5:on	3:on	5:on
tcpmux-server	3:off	5:NA	3:off	5:NA
telnet	3:off	5:off	*3:on	*5:on
time-dgram	3:off	5:NA	3:off	5:NA
time-stream	3:off	5:NA	3:off	5:NA
udev-post	3:on	5:on	3:on	5:on
vncserver	3:on	5:off	3:off	5:off
vsftpd	3:off	5:off	*3:on	*5:on
winbind	3:off	5:off	3:off	5:off
wpa_supplicant	3:off	5:off	3:off	5:off
xinetd	3:on	5:on	3:on	5:on
ypbind	3:off	5:off	3:off	5:off
yum-updatesd	3:on	5:on	*3:off	*5:off