

Fedora 14 Desktop Configuration Guide for LANforge

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The procedure described here is guide for configuring the Desktop of the Fedora 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]

3. Install LANforge GUI and Desktop Icons

- As root, change directory to the LANforge GUI install directory for the installed release which is, by default, /home/lanforge/LANforgeGUI_x.y.z where x.y.z represents the release version:

```
$ su -
# cd /home/lanforge/LANforgeGUI_5.1.8
```

- 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
dhcpcd	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	

o * indicates services that are changed from their default installation state.