Óñòàíîâêà LXDE íà Open SUSE 11.2

Ðàçäåë : Ïðîãðàììíîå îáåñïå÷åíèå

Îïóáëèêîâàíî DrStrip [29/05/2010]

Óñòàíîâêà LXDE+Openbox íà Open SUSE 11.2

Ìàëåíüêîå âñòóïëåíèå
Ðàçáèðàÿ ñòàðûå "æåëåçêè" ÿ îáíàðóæèë, ÷òî ìîæíî ñîáðàòü ðàáî÷èé êîìïüþòåð.
Â ðåçóëüòàòå ïîÿâèëàñü òàêàÿ êîíôèãóðàöèÿ:
Intel Celeron 2000, MB ASUS S478 P4S800D-X, RAM 384 MB, HDD 2õ40 GB, VIDEO RADEON 9200 PRO, òóäà æå áûë äîáàâëåí TV-Tuner LifeView FlyTV Platinum íà SAA7135.
Îñòàëîñü ïîñòàâèòü ÎÑ. Ñíà÷àëà áûë óñòàíîâëåí Open SUSE 11.2 KDE4, ïîñëå çàãðóçêè ñèñòåìû ñòàëî ãðóñòíî, ñèñòåìà îòêðîâåííî òîðìîçèëà, ïåðèîäè÷åñêè óõîäÿ â SWAP. KDE4 áûë çàìåíåí íà XFCE ñòàëî íàìíîãî ëó÷øå, íî ïàìÿòè âñå ðàâíî áûëî ìàëîâàòî. Ïîïðîáîâàë "ëåãêèé" äèñòðèáóòèâ Simply Linux (íà îñíîâå ALT Linux) ñ XFCE, ïî ñðàâíåíèþ ñ SUSE+XFCE ðàçíèöà íåáîëüøàÿ, äà è ñàì äèñòðèáóòèâ ïîñëå SUSE íå î÷åíü ïîíðàâèëñÿ. È òóò ïðîñìàòðèâàÿ íàø ôîðóì íà íàòîëêíóëñÿ íà òîïèê "LXDE êàê óñòàíîâèòü ?" è ðåøèë ïîïðîáîâàòü ïîñìîòðåòü ÷òî ýòî çà "LXDE".

Áûë óñòàíîâëåí c DVD Open SUSE 11.2 â êîíôèãóðàöèè "Ìèíèìàëüíàÿ X-Windows", ßçûê "Ðóññêèé", Êëàâèàòóðà "Àíãëèéñêèé (ÑØÀ) (ïðè óñòàíîâêå áûë ïîëíîñòüþ âûêèíóò apparmor. ×åðåç êîíñîëüíûé YAST áûëà íàñòðîåíà ñåòü è ïîäêëþ÷åí ðåïîçèòîðèé
http://download.opensuse.org/repositories/X11:/lxde/openSUSE_11.2
Äàëåå áûëè óñòàíîâëåíû ñëåäóþùèå ïàêåòûdesktop-file-utils | Utilities for Manipulating Desktop Files | 0.15-86.2 | 167,0 KiB
gamin-server | Server for the Library providing the ... | 0.1.10-10.2 | 87,0 KiB
gnome-keyring | GNOME Keyring Password Manager | 2.28.2-1.1.3 | 2,4 MiB
gnome-keyring-lang | Languages for package gnome-keyring | 2.28.2-10.13 | 2,0 MiB
libfm | A glib/gio-based lib used to develop ... | 0.1.11beta+git20100516-50.1 | 281,0 KiB
libfm-gtk0 | GTK libfm libraries | 0.1.11beta+git20100516-50.1 | 327,0 KiB
libfm0 | Libfm libraries | 0.1.11beta+git20100516-50.1 | 121,0 KiB
libmenu-cache1 | Menu-cache libraries | 0.3.2-17.1 | 22,0 KiB
lxappearance | It's a desktop-independent theme swit... | 0.4.0-19.1 | 172,0 KiB
lxcc | LXDE Control Center | 0.1.0+svn730-4.2 | 10,0 KiB
lxde-common | This package provides a set of defaul... | 0.5.0-33.1 | 5,1 MiB
lxde-common-branding-openSUSE | OpenSUSE branding | 11.3-35.1 | 121,0 KiB
lxdm | LXDE Display Manager | 0.2.0-68.1 | 186,0 KiB
lxdm-conf | LXDM configuration tool | 0.2.0+svn727-14.1 | 24,0 KiB
lxinput | Keyboard and mouse configuration tool | 0.1.1-10.1 | 82,0 KiB
lxmenu-data | A tool to build desktop menu for LXDE | 0.1.1-15.1 | 164,0 KiB
lxpanel | Lightweight X11 desktop panel based o... | 0.5.5-38.1 | 587,0 KiB
lxpanel-lang | Languages for package lxpanel | 0.5.5-38.1 | 767,0 KiB

lxrandr | Lightweight Monitor Config Tool | 0.1.1-13.1 | 123,0 KiB
lxsession | LXDE Session Manager, required for ru... | 0.4.4-22.1 | 146,0 KiB
lxsession-edit | A tool manage lxsession-lite | 0.1.1-15.1 | 72,0 KiB
lxshortcut | Creat shortcuts for lxde | 0.1.1-9.1 | 124,0 KiB
lxtask | Lightweight Task Manager | 0.1.3-15.1 | 184,0 KiB
lxterminal | Lightweight LXDE Terminal | 0.1.7-19.1 | 235,0 KiB
menu-cache | A tool speed up menus | 0.3.2-17.1 | 129,0 KiB
obconf | Openbox Configuration Tool | 2.0.3-21.3 | 491,0 KiB
openbox | ICCCM and EWMH Compliant Window Manag... | 3.4.11.2-39.1 | 963,0 KiB
pcmanfm | The next generation LXDE file manager | 0.9.5beta+git20100516-60.1 | 158,0 KiB
pcmanfm-lang | Languages for package pcmanfm | 0.9.5beta+git20100516-60.1 | 263,0 KiB
python-ctypes | Create and manipulate C data types fr... | 1.0.2-8.1 | 648,0 KiB
python-unipath | Object-oriented alternative to os/os.... | 0.2.1-11.1 | 738,0 KiB
trash-cli | Command line interface to the freedes... | 0.11.2-1.3 | 83,0 KiB
xdg-utils | Utilities to uniformly interface desk... | 1.0.2-84.2 | 185,0 KiB

äëÿ òîãî ÷òîáû íàñòðîèòü çàïóñê lxdm â Open SUSE 11.2 íàäî ïðàâèòü ïðàâèòü /etc/init.d/xdm ïî ññûëêå áûë íàéäåí ïàò÷, êîòîðûé ïðàâèò xdm, íî ïðè ïîïûòêå ïðîò÷èòü patch ó ìåíÿ ðóãíóëñÿ è ÿ ïîïðàâèë xdm ðóêàìè, íèæå óæå ïàò÷åííûé xdm, êîòîðûé ó ìåíÿ ðàáîòàåò #! /bin/bash
Copyright (c) 1996-2002 SuSE Linux AG, Nuernberg, Germany.
All rights reserved.
#
Author: Florian La Roche, 1996
Werner Fink , 1996,98,99
Martin Scherbaum, 1997
Reinhard Max , 1997
#
Please send feedback to http://www.suse.de/feedback
#
/etc/init.d/xdm
#
BEGIN INIT INFO
Provides: xdm
Required-Start: $remote_fs
Required-Stop: $remote_fs
Should-Start: ypbind $syslog gpm firstboot kbd resmgr earlyxdm winbind acpid
Should-Stop: ypbind $syslog gpm firstboot kbd resmgr earlyxdm winbind acpid
Default-Start: 5
Default-Stop:
Description: X Display Manager
END INIT INFO

. /etc/rc.status
. /etc/sysconfig/displaymanager
. /etc/sysconfig/language
. /etc/sysconfig/windowmanager
test -e /etc/SuSEconfig/profile && . /etc/SuSEconfig/profile

```
test -r /etc/profile.d/desktop-data.sh && . /etc/profile.d/desktop-data.sh

locale_vars="
LANG
LC_CTYPE
LC_NUMERIC
LC_TIME
LC_COLLATE
LC_MONETARY
LC_MESSAGES
LC_PAPER
LC_NAME
LC_ADDRESS
LC_TELEPHONE
LC_MEASUREMENT
LC_IDENTIFICATION
LC_ALL"

unset LC_ALL
for lc in $locale_vars
do
    eval val="$RC_$lc"
    if test -n "$val"; then
        eval $lc="$RC_$lc"
        export $lc
    fi
done
unset lc val

test -z "$DEFAULT_WM" && DEFAULT_WM=twm
SAVEPATH=$PATH
PATH=$PATH:/usr/X11R6/bin:/opt/gnome/bin:/usr/openwin/bin
WINDOWMANAGER="`type -p ${DEFAULT_WM##*/}`"
PATH=$SAVEPATH
export WINDOWMANAGER
unset DEFAULT_WM SAVEPATH

XDM_PIDFILE="/var/run/xdm.pid"
KDM_PIDFILE="/var/run/kdm.pid"
GDM_PIDFILE="/var/run/gdm.pid"
SLIM_PIDFILE="/var/run/slim.lock"
LXDM_PIDFILE="/var/run/lxdm.pid"
PIDFILE=$XDM_PIDFILE
KDEROOTHOME=/root/.kdm
export KDEROOTHOME
XDMDIR=/etc/X11/xdm
if [ -x /usr/bin/xdm ]; then
  XDM_BIN=/usr/bin/xdm
else
```

```
  XDM_BIN=/usr/X11R6/bin/xdm
fi
if [ -x /usr/sbin/gdm ]; then
  GDM_BIN=/usr/sbin/gdm
else
  GDM_BIN=/opt/gnome/sbin/gdm
fi
KDM_BIN=/opt/kde3/bin/kdm
KDM4_BIN=/usr/bin/kdm
WDM_BIN=/usr/bin/wdm
SLIM_BIN=/usr/bin/slim
LXDM_BIN=/usr/bin/lxdm
RELOADSIGNAL="-HUP"

DM=${DISPLAYMANAGER##*/}

case "${DM}" in
   kdm3)   DISPLAYMANAGER=$KDM_BIN
   PIDFILE=$KDM_PIDFILE
   ;;
   kdm|kde|KDM|KDE)  DISPLAYMANAGER=$KDM_BIN
   if [ ! -r "$DISPLAYMANAGER" ]; then
   DISPLAYMANAGER=$KDM4_BIN
   fi
   PIDFILE=$KDM_PIDFILE
   ;;
   kdm4)             DISPLAYMANAGER=$KDM4_BIN
   PIDFILE=$KDM_PIDFILE
   ;;
   xdm)   DISPLAYMANAGER=$XDM_BIN
   ;;
   gdm|GDM|Gnome|GNOME) DISPLAYMANAGER=$GDM_BIN
   PIDFILE=$GDM_PIDFILE
   RELOADSIGNAL="-USR1"
   ;;
   wdm|WDM)   DISPLAYMANAGER=$WDM_BIN
   ;;
   slim|SLIM)   DISPLAYMANAGER=$SLIM_BIN
   XDMOPTIONS=-d
   PIDFILE=$SLIM_PIDFILE
   ;;
   lxdm|LXDM)   DISPLAYMANAGER=$LXDM_BIN
   XDMOPTIONS=-d
   PIDFILE=$LXDM_PIDFILE
   ;;
   console)   exit 0
   ;;
   *)    DISPLAYMANAGER=$XDM_BIN
   if test -x $KDM_BIN; then
```

```
    DISPLAYMANAGER=$KDM_BIN
    PIDFILE=$KDM_PIDFILE
    elif test -x $KDM4_BIN; then
    DISPLAYMANAGER=$KDM4_BIN
    PIDFILE=$KDM_PIDFILE
    fi
    ;;
esac
test ! -x "$DISPLAYMANAGER" && DISPLAYMANAGER=$XDM_BIN

rc_reset
case "$1" in
    start)
        # Avoid duplicated messages when earlyxdm is in use
 if [ "$DISPLAYMANAGER" = "$KDM_BIN" -a -s $KDM_PIDFILE ]; then
    /sbin/checkproc -p $KDM_PIDFILE $KDM_BIN && rc_exit 0
 elif [ "$DISPLAYMANAGER" = "$KDM4_BIN" -a -s $KDM_PIDFILE ]; then
    /sbin/checkproc -p $KDM_PIDFILE $KDM4_BIN && rc_exit 0
 elif [ "$DISPLAYMANAGER" = "$GDM_BIN" -a -s $GDM_PIDFILE ]; then
    /sbin/checkproc -p $GDM_PIDFILE $GDM_BIN && rc_exit 0
 fi

        if [ "$DISPLAYMANAGER" != "$KDM_BIN" -a
             "$DISPLAYMANAGER" != "$KDM4_BIN" -a
             "$DISPLAYMANAGER" != "$GDM_BIN" ]; then
           test -x /etc/X11/xdm/SuSEconfig.xdm &&
           MD5DIR="/var/adm/SuSEconfig/md5"
              /etc/X11/xdm/SuSEconfig.xdm |
              sed 's+(.*)+/etc/init.d/xdm:  +g' |
              /bin/logger
        fi

 # use system keyboard as global X keyboard configuration
 if [ -x /etc/X11/xdm/keytable4hal ]; then
    if /etc/X11/xdm/keytable4hal; then
        /etc/init.d/haldaemon stop &&
     rm -f /var/cache/hald/fdi-cache &&
     /etc/init.d/haldaemon start
    fi
 fi

 echo -n "Starting service $DM"
 # Don't start xdm if no Xserver is configured and xdm is not
 # configured for remote access
 if [ ! -x /usr/bin/X -a ! -x /usr/X11R6/bin/X -a
  "$DISPLAYMANAGER_REMOTE_ACCESS" = "no" ]; then
   rc_status -u
   rc_exit
 fi
```

```
if [ "$DISPLAYMANAGER" = "$GDM_BIN" -a
  "$DISPLAYMANAGER_REMOTE_ACCESS" = "yes"  -a
  "$DISPLAYMANAGER_STARTS_XSERVER" = "no" ]; then
 XDMOPTIONS="--no-console"
fi
# Graphical failsafe mode (Bug #246158).
#
# Needs changes in kernel commandline of "Failsafe" entry in
# /boot/grub/menu.lst.
#
#  * use the same "vga" option value as in the non-"Failsafe" entry
#  * remove "3" option (runlevel)
#  * add "x11failsafe" option
if cat /proc/cmdline | grep -q x11failsafe; then
        if [ -f /etc/X11/xorg.conf.install ]; then
 export XORGCONFIG=xorg.conf.install
            echo
            echo "Using failsafe X.Org configuration /etc/X11/xorg.conf.install"
        else
            echo
            echo "The failsafe X.Org configuration /etc/X11/xorg.conf.install no longer exists."
            echo "Either move it back (if still available) or copy /etc/X11/xorg.conf to"
            echo "/etc/X11/xorg.conf.install to use the native graphics driver instead of the"
            echo "failsafe graphics driver. Of course the latter option no longer can be called"
            echo "failsafe."
            rc_status -u
            rc_exit
        fi
fi
startproc -p $PIDFILE $DISPLAYMANAGER $XDMOPTIONS || rc_failed
# After a crash or a kill signal we may have
# a wrong owner ship of /dev/xconsole
if rc_status ; then
    if test -x $XDMDIR/TakeDevices ; then
 $XDMDIR/TakeDevices
    else
 chown root:tty /dev/xconsole /dev/tty0
 chmod 622      /dev/xconsole /dev/tty0
    fi
else
    case "${DM}" in
    slim|SLIM)
 test -s $PIDFILE || pgrep -f $DISPLAYMANAGER > $PIDFILE
    esac
fi
rc_status -v
;;
  stop)
      # make sure to stop the running one (Bug #306035)
```

```
if test -s "$KDM_PIDFILE"; then
    PIDFILE=$KDM_PIDFILE
elif test -s "$GDM_PIDFILE"; then
    PIDFILE=$GDM_PIDFILE
elif test -s "$XDM_PIDFILE"; then
    PIDFILE=$XDM_PIDFILE
elif test -s "$SLIM_PIDFILE"; then
    PIDFILE=$SLIM_PIDFILE
elif test -s "$LXDM_PIDFILE"; then
    PIDFILE=$LXDM_PIDFILE
fi
if test -s $PIDFILE; then
    read -t 1 PID      if CHECKDM=$(ps ho command= -p $PID) ; then
 DISPLAYMANAGER=${CHECKDM%%[[:blank:]]*}
 DM=${DISPLAYMANAGER##*/}
fi
    unset CHECKDM
else
    rm -f $PIDFILE
    unset PIDFILE
fi
echo -n "Shutting down service $DM"

#
# killproc(8) sleep upto five seconds and sends
# SIGKILL if xdm does not terminate within
#

killproc ${PIDFILE:+-p ${PIDFILE}} -TERM $DISPLAYMANAGER
rc_status -v
;;
  restart)
$0 stop
      $0 start
rc_status
;;
  reload|force-reload)
      test -x /etc/X11/xdm/SuSEconfig.xdm &&
      MD5DIR="/var/adm/SuSEconfig/md5"
        /etc/X11/xdm/SuSEconfig.xdm |
        sed 's+(.*)+/etc/init.d/xdm:  +g' |
        /bin/logger
echo -n "Reload service $DM"
killproc -p $PIDFILE $RELOADSIGNAL $DISPLAYMANAGER
rc_status -v
;;
  status|check)
echo -n "Checking for service ${DM}: "
checkproc -p $PIDFILE $DISPLAYMANAGER
```

```
 rc_status -v
 ;;
   probe)
 if test $XDMDIR/xdm-config -nt $PIDFILE -o
       $XDMDIR/Xservers   -nt $PIDFILE
 then
    echo reload
 fi
 ;;
   try-restart|condrestart)
 $0 status
 if test $? = 0; then
    $0 restart
 else
    rc_reset
 fi
 rc_status
 ;;
   *)
 echo "Usage: $0 {start|stop|status|restart|reload|force-reload|probe|try-restart}"
 exit 1
esac
rc_exit
```

Òåïåðü óñòàíîâèì â ôàéëå /etc/sysconfig/displaymanager ïàðàìåòð DISPLAYMANAGER="lxdm"
Âñå ìîæíî ïåðåãðóæàòü X (ÿ äåëàë ÷åðåç init 3 è init 5). Åñëè âñå íîðìàëüíî òî, ìû ïîëó÷èì ïðèãëàøåíèå lxdm, âûáèðàåì "ÑÅÀÍÑ=LXDE" è "ßÇÛÊ=ru_RU" ââîäèì "ëîãèí"/"ïàðîëü" è çàõîäèì â ñèñòåìó.
Ðóññêèé ÿçûê ÿ äîáàâëÿë ÷åðåç YAST-ßçûê, óñòàíîâèâ ãàëî÷êó "Àäàïòèðîâàòü ðàñêëàäêó êëàâèàòóðû ê Ðóññêèé" ïîñëå ÷åãî Ctrl+Shift ïåðåêëþ÷àåò ÿçûêè. Íà ïàíåëü áûë óñòàíîâëåí àïïëåò "Èíäèêàòîð ðàñêëàäîê êëàâèàòóðû", äëÿ îòîáðàæåíèÿ òåêóùåé ðàñêëàäêè. Ïîñëå çàãðóçêè êîìàíäà

```
free -m ïîêàçûâàåò            total       used       free     shared    buffers     cached
Mem:          372        170        201          0         16        100
-/+ buffers/cache:         53        318
Swap:         564          0        564
 êðàñîòà
```

Ïî óìîë÷àíèþ â ñèñòåìå îòñóòñòâóåò ïëååð, áðàóçåð è ðåäàêòîð, ÿ ïîêà ïîñòàâèë google-chrome è mousepad.
TV-Tuner çàâåëñÿ èç êîðîáêè ñèñòåìà óñòàíîâëåà MoTV (èíòåðôåéñ òîëüêî àíãëèéñêèé) è âñå çàðàáîòàëî.
Íó âîò ïîæàëóé è âñå.
Áóäó äàëüøå ðàçáèðàòüñÿ ñ LXDE è ïîäáèðàòü "ëåãêèé" ñîôò.