Desktop Environments

Everthing to do about Desktop Environments, including LXDE, XFCE, KDE and Gnome

- Getting Cursor Pointer Theme for LXDE
- LXDE Volume Keybinding
- LXDE Blueproximity Settings
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Getting Cursor Pointer Theme for LXDE

1. Installing the package `xcursor-themes`
2. Then go to `Preferences` > `Customize Look and Feel`
3. Select your cursor pointer theme under `Mouse Cursor` tab

LXDE Volume Keybinding

Add the following lines to `~/.config/openbox/lxde-rc.xml`:

```
<keybind key="XF86AudioMute">
  <action name="Execute">
    <command>amixer sset Master toggle</command>
  </action>
</keybind>
<keybind key="XF86AudioRaiseVolume">
  <action name="Execute">
    <command>amixer sset Master 5%+</command>
  </action>
</keybind>
<keybind key="XF86AudioLowerVolume">
  <action name="Execute">
    <command>amixer sset Master 5%-</command>
  </action>
</keybind>
```

Issue command => `openbox --restart`

LXDE Blueproximity Settings

Locking Command: `xscreensaver-command -activate`
Unlock Command: `pkill xscreensaver`
Proximity Command: `xscreensaver-command -time || daemonize /usr/bin/xscreensaver -no-splash`
Daemonize Utility: To stop blueproximity from hanging when using the proximity command, it requires the daemonize command (http://software.clapper.org/daemonize/). Using "xscreensaver -no-splash &" or "xscreensaver -no-splash" will cause blueproximity to hang.

Auto Suspend USB

There are 2 settings that needs to changed:

1. Add `usbcore.autosuspend=0 usbcore.autosuspend_delay_ms=-1` to `/boot/grub/grub.cfg` kernel param
2. Disable monitor power manager control in `xfce4-power-manager` settings
3. Install `acpid`
4. Add the following udev rules to `/etc/udev/rules.d/99-usb-autosuspend.rules`:

```
ACTION=="add", SUBSYSTEM=="usb", TEST=="power/control",
ATTR{power/control}="on"
ACTION=="add", SUBSYSTEM=="usb", TEST=="power/autosuspend",
ATTR{power/autosuspend}="0"
ACTION=="add", SUBSYSTEM=="usb", TEST=="power/autosuspend_delay_ms",
ATTR{power/autosuspend_delay_ms}="-1"
```

LXDE Visual Artifacts when Switching from Desktops with Chrome

LXDE Visual Artifacts when Switching Desktops. Install a composite manager will remove the artifacts, below is a list of composite managers:

- xcompmgr - a minimal alternative to Compiz
- Compton - A bug-fixed fork of dcompmgr, which is a fork of xcompmgr
- Cairo Compmgr (Cairo Composite Manager) - a compositing add-on for existing window managers. It uses Cairo), a vector graphics library also used in GTK+.
- Unagi Compositing Manager - a compositing manager which can be used along with an existing window manager. It uses the XCB library. I used Compton for my composite manager:

Install `compton` package Add `@compton -b` to the end of `/etc/xdg/lxsession/LXDE/autostart`

References:

1. https://wiki.archlinux.org/index.php/Compton