

Linux is Like Cars

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& Computer User Groups

Linux is Like Cars

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Linux is Like Cars

Welcome to the
Linux Showroom

Linux is Like Cars

Let's begin with some history and comparisons.

Comparisons to Cover

- Engine vs. Kernel
- Manufacturers vs. Distributors
- Body Styles vs. Desktop Environments
- Auto Parts vs Software Packages
- Taking it for a “test drive”
- Which Car/Linux is Best

Engine Inventors

The Original Players:

- 1870 – Siegfried Marcus
- 1886 – Benz/Daimler

Kernel Inventors

The Original Players:

- 1983 – Richard Stallman
- 1991 – Linus Torvalds

Auto Builders

The Original Cars:

- Duryea Motor Wagon
- Olds
- Ramblers
- Ford
- Cadillac

Linux Systems

The Original Systems:

- 1993 – Slackware
- 1993 – Debian
- 1994 – Red Hat

Linux Systems

Additional Systems:

- 1999 – Enoch/Gentoo
- 2001 – Arch

Auto Manufacturers

The Modern Players:

- General Motors
- Ford
- Chrysler
- Honda
- Toyota
- Hyundai

Linux Families

The Recipe

Starters:

- Slackware
- Debian
- Red Hat
- Gentoo
- Arch

F.O.S.S

Free and Open Source Software Someone's Potluck Dish:

Have the “dish”, making it available to others (free).

Have the recipe (source and open), to do what you want with it.

This is how Linux operates, everything about it is open to everyone to do what they wish.

Divisions

- General Motors
Chevy, Pontiac, Olds, Buick, Cadillac
- Ford
Ford, Mercury, Lincoln
- Chrysler
Dodge, Plymouth, Chrysler
- Honda
Honda, Acura
- Toyota
Toyota, Lexus

Variations

- Slackware
SuSE, OpenSuSE
- Debian*
Knoppix*, Ubuntu*
- Red Hat
Fedora, RHEL**, Mandrake/Mandriva
- Arch
Chakra, Manjaro
- Gentoo
many individual branches

Body Styles

- Sub-compact
- Economy
- Compact
- Standard
- Full
- Van/Station Wagon
- Luxury
- SUV

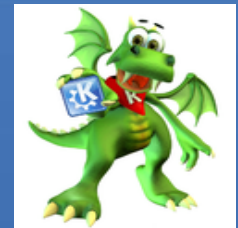
Desktop Environments

- KDE⁴, Plasma
- Gnome³, Shell
- Xfce
- LXDE
- Trinity^{Kde3}
- Unity^{G-shell}
- Mate^{G-2}
- Cinnamon^{G-shell}

Linux is like Cars

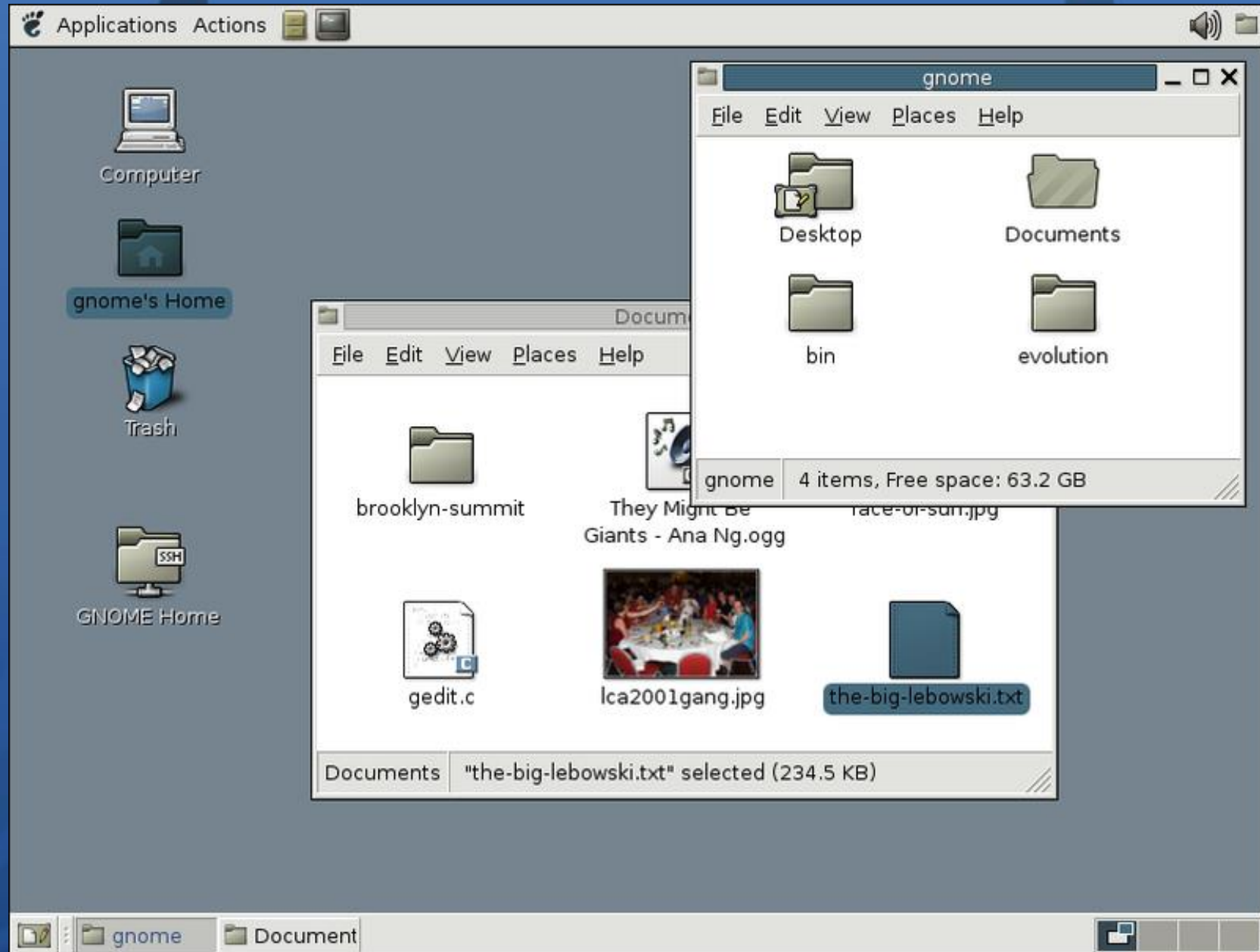
Let's take a walk
around the
showroom.

KDE – v.2



A screenshot of the KDE v2 desktop environment. The desktop background is blue with a large gear icon. On the left, there is a sidebar with icons for Trash and Home. A system menu is open, showing options like Editors, Internet, Preferences, System, Toys, Utilities, Control Center, Help, Home Directory, Bookmarks, Recent Documents, Quick Browser, Run Command..., Configure Panel, Lock Screen, and Logout. The Preferences submenu is also open, showing File Browsing, Information, Look & Feel, Network, Peripherals, Personalization, Power Control, Sound, System, and Web Browsing. The main window is Konqueror, titled "Conquer your Desktop! - Konqueror". It has a menu bar (Location, Edit, View, Go, Bookmarks, Tools, Settings, Window, Help) and a toolbar with navigation icons. The address bar shows "Location". The main content area displays the Konqueror introduction page, which includes a search prompt, the title "Konqueror", and links for "Introduction", "Tips", and "Specifications". The "Introduction" section welcomes users to Konqueror 2.2.2 and explains its features as a file browser and web browser. A "Tuning Tip" is also present at the bottom of the page. The taskbar at the bottom shows the KDE logo, several application icons, a window manager, and a system tray with a clock showing 03:10 and the date 2010-04-19.

Gnome - v.1



Xfce



Applications Menu

- Run Program...
- Terminal Emulator
- File Manager
- Mail Reader
- Web Browser
- Settings
- Accessories
- Games
- Graphics
- Internet
- Multimedia
- Office
- Other
- System
- Wine
- About Xfce
- Log Out

08:35

User user



137 GB Vol...

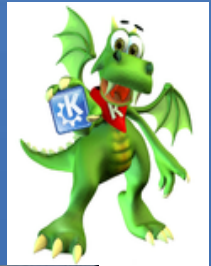
New Volume



LXDE

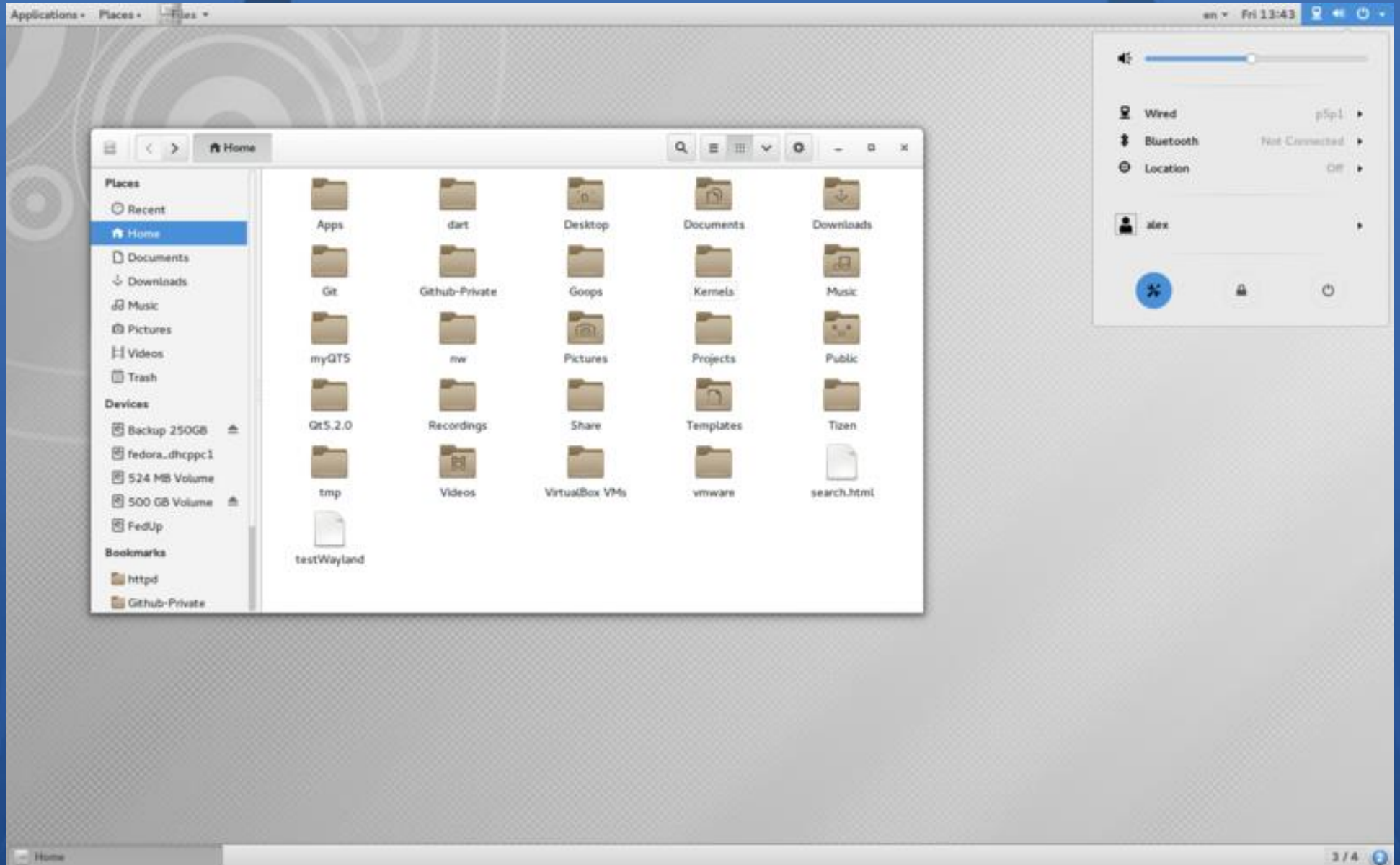


KDE – v.3



The screenshot displays the KDE v.3 desktop environment. On the left is a vertical sidebar with icons for Home and Trash, and a music player showing 'Tal Coat - Brian Eno On Land'. The main window is Konqueror, displaying the Wikipedia Main Page. The browser's address bar shows 'http://en.wikipedia.org/wiki/Main_Page'. The page content includes the Wikipedia logo, navigation tabs (article, discussion, view source, history), and a welcome message: 'Welcome to Wikipedia, the free-content encyclopedia that anyone can edit.' Below this, it states 'In this English version, started in 2001, we are currently working on 499072 articles.' There are also links for 'Other languages', 'FAQs', and 'Table free'. A 'Today's featured article' section highlights 'Cannabis rescheduling in the United States' with an image of a cannabis plant. Another section, 'In the news', mentions 'The National People's Congress of the People's Republic of China ratifies an anti-secession law'. The taskbar at the bottom shows the KDE logo, a task switcher with three windows, and system tray icons.

Gnome – v.2



Xfce -new



Applications Menu [Edit Post < Ubuntu Shari... jj - File Manager 18:28 wraith

- Run Program... ~\$
- Terminal Emulator
- File Manager
- Mail Reader
- Web Browser
- Settings
- Accessories
- Development
- Games
- Graphics
 - DjView4
 - Document Viewer
 - GIMP Image Editor
 - gThumb
 - Gwenview
 - Image Viewer
 - KolourPaint
 - KSnapshot
 - LibreOffice Draw
 - Okular
 - Ristretto Image Viewer
 - Shotwell
 - Simple Scan
- Internet
- Multimedia
- Office
- Other
- System
- Wine
- About Xfce
- Log Out

WINXP
Dropbox
Grub Custo...
Internet Ex...

jj - File Manager

File Edit View Go Help

- jj
- Desktop
- Trash
- File System
- Network
- WINXP
- 新加卷
- Private
- Downloads
- Music
- Videos
- vmware

%APPDATA% bino Desktop
Documents Downloads git_project
gitproject Music Music (copy)
Pictures PlayOnLinux's virtual drives Private
"Ubuntu One" (4.1 kB) folder

Taskbar: File Manager, Terminal, Web Browser, Search, File Manager

LXDE - new



A screenshot of the LXDE desktop environment. The desktop background is a blue gradient with a large, stylized LXDE logo in the center. The logo consists of a bird-like shape followed by the letters 'LXDE' and the text 'LIGHTWEIGHT X11 DESKTOP ENVIRONMENT' below it. On the left side, there is a grid of application icons: Google Chrome, Calculator, SeaMonkey, Leafpad, Firefox Web Browser, LO-Writer, AceMoney, and Screenshot. Below these icons is a menu with categories: Accessories, Graphics, Internet, Office, Programming, Sound & Video, System Tools, Wine, Preferences, Run, and Logout. The 'System Tools' category is expanded, showing sub-items: Bulk Rename, Configuration Editor, GDebi Package Installer, System Monitor, Thunar File Manager, UXTerm, and XTerm. The bottom of the screen shows a taskbar with several icons and a system tray on the right with a clock showing 16:04 and a power button icon.

KDE – Plasma



The screenshot displays the KDE Plasma desktop environment. At the top center, a search bar contains the text "Enter word to define here". Below it, a desktop panel titled "Desktop" contains two icons: "sidux-irc" and "sidux manual". A large, semi-transparent search menu is open on the left side, showing a search bar and a list of categories: Debian, Development, Education, Games, Graphics, Internet, Multimedia, Office, and Settings. The "Games" category is currently selected. At the bottom of the search menu, there are icons for Favorites, Applications, Computer, Recently Used, and Leave. On the right side of the desktop, there is a clock showing the time 03:30:41. A "Home" panel is visible, containing folders for "Bilder" and "Desktop". The taskbar at the bottom shows the KDE logo, a window icon, and a panel with four numbered buttons (1, 2, 3, 4). The system tray on the right shows the time 03:30 and several application icons.

Trinity - (KDE3)



The screenshot displays the Trinity desktop environment. The desktop background is blue with a world map and the text "kubuntu® Powered by Trinity". A window titled "Conquer your Desktop! - Konqueror" is open, showing a web browser interface with a menu bar (Location, Edit, View, Bookmarks, Tools, Settings, Help), a search bar, and a main content area with the Konqueror logo and text: "Konqueror Conquer your Desktop! Konqueror is your file manager, web browser and universal document viewer. Starting Points · Introduction · Tips · Specifications". Below this, there are several links: Home Folder (Your personal files), Storage Media (Disks and removable media), Network Folders (Shared files and folders), Trash (Browse and restore the trash), Applications (Installed programs), and About Kubuntu (Kubuntu Documentation). A "Next: An Introduction to Konqueror" link is also present. On the left side, the "All Applications" menu is open, showing a search bar and a list of application categories: Graphics, Internet, Multimedia, Office, Settings, System, Utilities, Add/Remove Programs, Help, System Settings, Run Command..., Switch User, Lock Session, and Log Out... The taskbar at the bottom shows the Trinity logo, a clock displaying "19:55", and the date "2010-09-26".

Gnome – shell



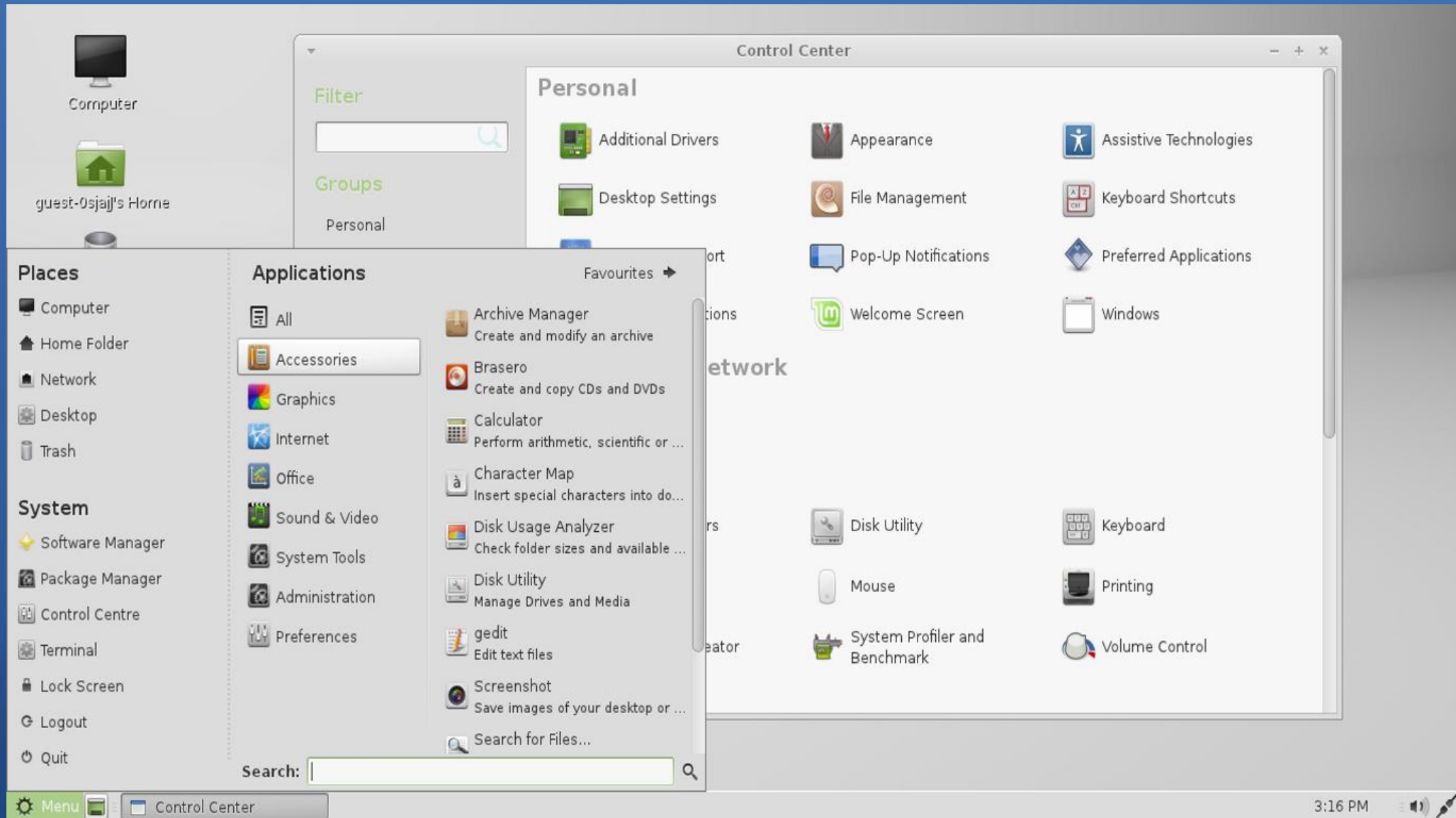
Activities Wed 07:41 🔊 🖥️ 📄 🗨️ Live session user

🔍 Type to search...

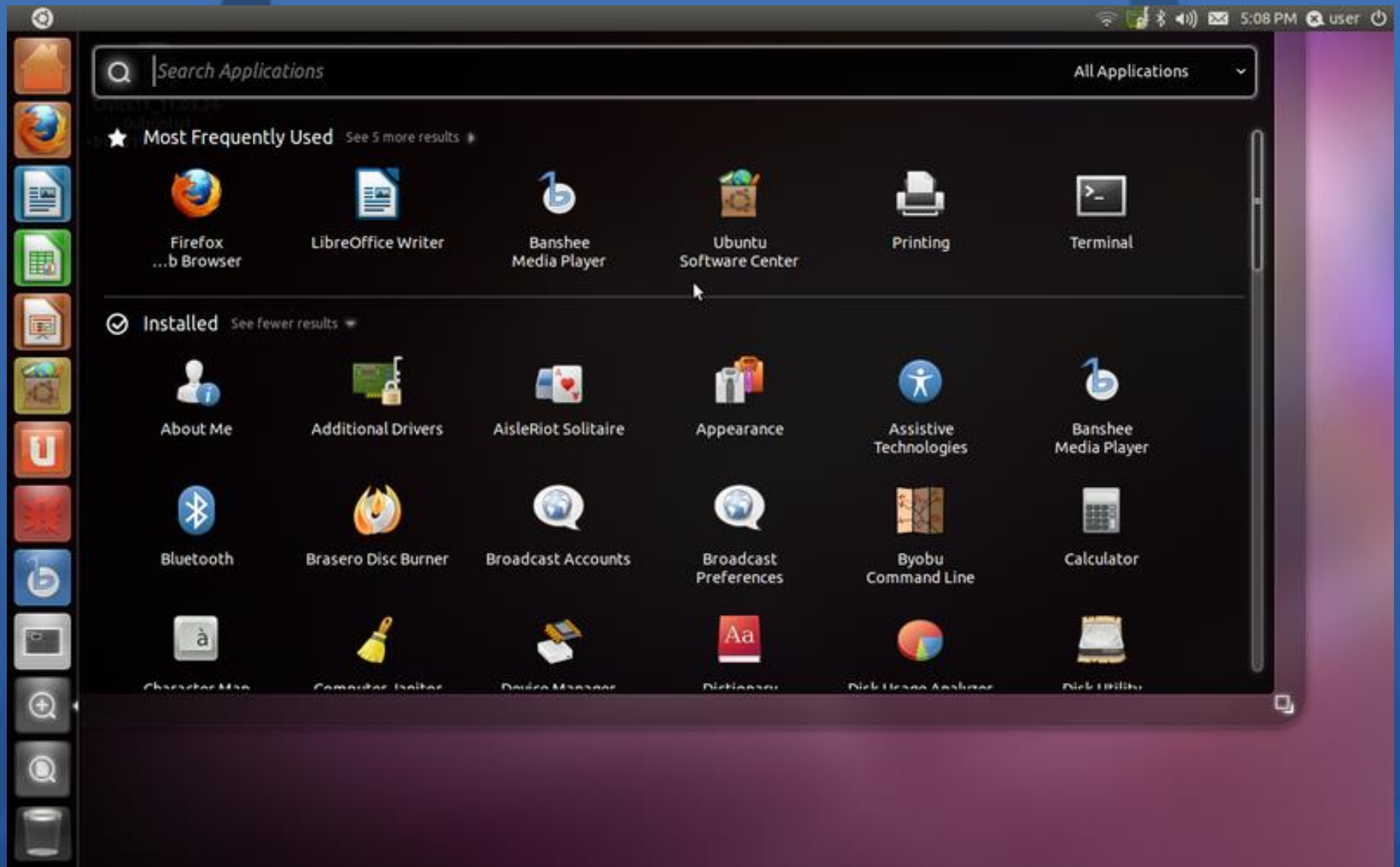
AisleRiot Solitaire	Background	Backups	Bluetooth	Brasero
Brightness & Lock	Cheese	Color	Contacts	Date & Time
Details	Disks	Displays	Documents	Empathy
Mail	Cabinet	Firefox	Notes	CD-ROM

Frequent All

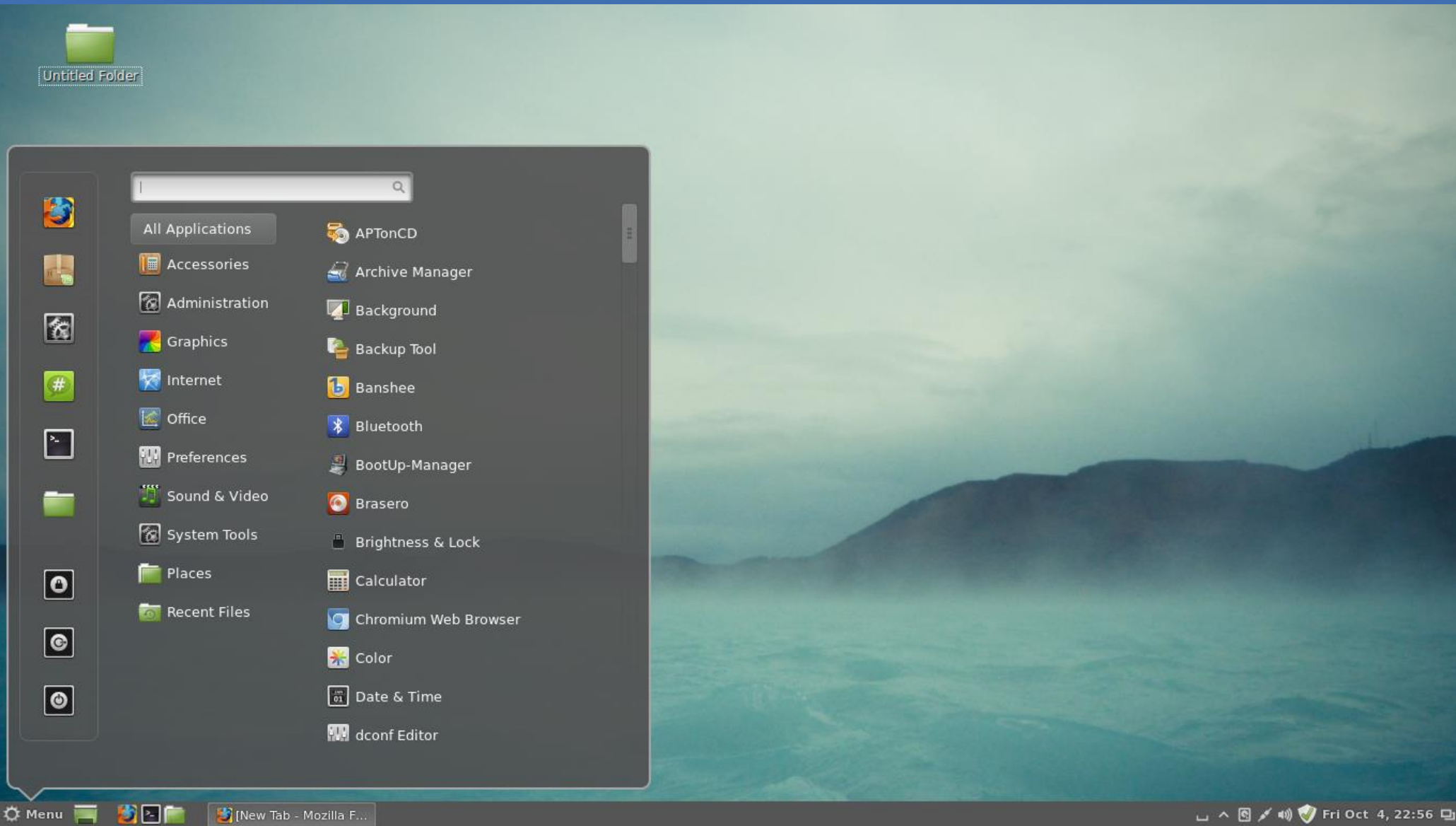
MATE- (Gnome2)



Unity – (Gnome shell)



Cinnamon- (Gnome shell)



Wide range of choices

	<u>K</u>	<u>G</u>	<u>X</u>	<u>L</u>	<u>M</u>	<u>C</u>
Debian	X	X	X	X		
Ubuntu/Debian	X	XX	X	X		
Linux Mint/Ubuntu/Debian	X		X		X	X
LMDE/Debian					X	X
Solyd-XK/Debian	X		X			
Fedora/Red Hat	X	X	X	X	X	
OpenSuSE/Slackware	X	X				
Manjaro/Arch	X		X			
PCLinuxOS/Mandriva/RH	X			X	X	

Building Parts

- General Motors = AC/Delco
- Ford = Motorcraft
- Chrysler = Mopar

Building Programs

- Slackware = slackpkg
- Debian = deb
- Red Hat = RPM
- Arch = Pacman
- Gentoo = Portage

Car Add-Ons

- A/C
 - Disk player
 - Power windows/doors
 - Cruise
 - Sun roofs
 - Heated seats
- (add-ons usually cost extra)

Linux Add-Ons

- Comes pretty well stocked
- Just about anything you want
- Always alternatives to the installed software
- Rarely costs any extra

Test Drives

With cars, you can try out a few under certain conditions (what you can do, where you can go, whether someone has to ride along, and how long can you do it).

Test Drives

With Linux and free LiveDisks, you can try out as many as you want with **no** restrictions (you can do whatever you want, and for however long you want). You can even run it as your OS off the disk and do everything without installing.

Which is BEST?

Best Car

Answer = ??

Best Linux

Answer = ??

The real answer is:

Whichever one meets your needs.

Thank You

For your personal test drive, visit:

<http://distrowatch.com/> (links to all distros)

<https://www.debian.org/distrib/>

<http://www.ubuntu.com/download>

<http://www.linuxmint.com/download.php>

https://fedoraproject.org/en_GB/get-fedora

<http://software.opensuse.org/131/en>

Contact Info

If you have any questions or would like to share any Linux information, please contact me:

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