today's howtos

By Roy Schestowitz
Created 15/05/2021 - 7:06pm
Submitted by Roy Schestowitz on Saturday 15th of May 2021 07:06:09 PM Filed under HowTos [1]

- Simple solution VS over-engineering [2]
  When you use a complicated software, ALWAYS make sure you have a way out: either replace product A with product B or make sure the code is easy to fix. If you plan to invest yourself into deploying a complex program that will store data (like Nextcloud or Paperless-ng), the first question you should have is: how can I move away from it?

- Basics of ZFS Snapshot Management [3]
  OpenZFS stands out in its snapshot design, providing powerful and easy-to-use tools for managing snapshots. Snapshots complement a backup strategy, as they are instantaneous and don't require a backup window. Since snapshots are atomic, they are not affected by other processes and you don't have to stop any running applications before taking a snapshot.

  What exactly is a snapshot? zfs(8) defines it as a ?Read-only version of a file system ? at a given point in time?. This is a powerful feature as there are many scenarios where it is convenient to access files from a certain point in time. Imagine taking a snapshot of your home directory at the beginning of the work day, and perhaps another one after lunch. Need a copy of that file you deleted last Tuesday? No problem. Perhaps you're considering updating an application but fear the pain of clobbered libraries. Need to test some configuration changes but don't want to permanently muck up the system? Or, perhaps you're preparing for an operating system upgrade and want a quick way to revert to the pre-upgrade version should things go terribly wrong. Restoring data from a snapshot is quicker than restoring from a backup or waiting for a system administrator to restore a backup for you. While snapshots do not replace backups, they provide a quick and convenient method for accessing files from a specific point in time.
The ability to access files from a certain point in time sounds great, but doesn’t that take a lot of storage space? Not necessarily. Because ZFS is a COW (copy-on-write) file system, the initial size of a snapshot is 0 bytes. Since snapshots record the differences between the time the snapshot was taken and the current state of the file system, the size of a snapshot increases over time, reflecting the size of the changes.

- **Correlation Analysis Different Types of Plots in R** [4]

  Correlation analysis, correlation is a term that is a measure of the strength of a relationship between two variables.

- **How To Install Ampache on Ubuntu 20.04 LTS - idroot** [5]

  In this tutorial, we will show you how to install Ampache on Ubuntu 20.04 LTS. For those of you who didn’t know, Ampache is an open-source music streaming server that allows you to host your own music streaming server. With Ampache, you can access your music and video over the internet. You can view, edit, and play your music via a web browser or any media streaming client.

  This article assumes you have at least basic knowledge of Linux, know how to use the shell, and most importantly, you host your site on your own VPS. The installation is quite simple and assumes you are running in the root account, if not you may need to add `sudo` to the commands to get root privileges. I will show you through the step-by-step installation of the Ampache music streaming server on Ubuntu 20.04 (Focal Fossa). You can follow the same instructions for Ubuntu 18.04, 16.04, and any other Debian-based distribution like Linux Mint.

- **How To Install Composer on AlmaLinux 8 - idroot** [6]

  In this tutorial, we will show you how to install Composer on AlmaLinux 8. For those of you who didn’t know, Composer is a popular dependency manager for PHP. It functions as some sort of project manager that helps the programmer manage dependencies that will be used on a project-to-project basis.

  This article assumes you have at least basic knowledge of Linux, know how to use the shell, and most importantly, you host your site on your own VPS. The installation is quite simple and assumes you are running in the root account, if not you may need to add `sudo` to the commands to get root privileges. I will show you through the step-by-step installation of Composer on an AlmaLinux 8. You can follow the same instructions for Rocky Linux.
How to Install KDE Plasma 5.21.5 in (K)Ubuntu 21.04 via PPA | UbuntuHandbook

For KDE users want to install the latest Plasma 5.21.5 desktop, it's now available in the backports PPA for (K)Ubuntu 21.04.

Plasma 5.21.5 was released more than a week ago with stability improvements and bug-fixes. As well as the KDE Frameworks 5.81.0, they are now available to install via Kubuntu Backports PPA.

How to install Open Broadcaster (OBS) in Ubuntu

If you’re an Ubuntu user and want to stream to Twitch or YouTube, you’ll first have to install the Open Broadcaster application. In this guide, we’ll go over ways you can get Open Broadcaster up and running on Ubuntu via DEB, Flatpak, and Snap.

How to install X Window System XQuartz on macOS for ssh X11 forwarding

I need to tunnel X Window securely over SSH bases session so that I run X program on my remote Linux/Unix server/workstation and get back display to my Apple Macbook pro laptop. I tried the ssh -X user@server1 and ssh -Y user@server2 commands on macOS. However, I am unable to use the ssh command with X11 forwarding. How do I get X11 forwarding in macOS to run graphical apps remotely from a Linux server? How can I fix this problem on OS X and enable X11 forwarding with ssh command? Can you explain how to install X Window XQuartz server on Apple OS X Mountain Lion or Mavericks or Yosemite or macOS?

How to secure user accounts in Ubuntu - Linux Concept

In this script, we will look at ways to make user profiles more secure.

Installing the DHCP server on Ubuntu - Linux Concept

DHCP is a service used to automatically assign network configuration to client systems. DHCP can be used as a handy tool when you have a large pool of systems that needs to be configured for network settings. Plus, when you need to change the network configuration, say to update a DNS server, all you need to do is update the DHCP server and all the connected hosts will be reconfigured with new settings. Also, you get reliable IP address configuration
that minimizes configuration errors and address conflicts. You can easily add a new host to the network without spending time on network planning.

DHCP is most commonly used to provide IP configuration settings, such as IP address, net mask, default gateway, and DNS servers. However, it can also be set to configure the time server and hostname on the client.

- **How to Install GUI on Ubuntu Server [Beginner's Guide]** [12]

  Do you want to install GUI on your Ubuntu server? You can totally do that in most scenarios and I am going to discuss the steps in details in this tutorial.

  But before you see that, let me tell you why the server edition does not come with GUI and in which cases you could install the GUI on your server.

- **The difference between passwd -l and passwd -d** [13]

  There are two options for canceling a user password in Linux. You can either lock the password login or delete the password altogether. What implications do they have?

  Most administrators today would probably set up their servers with SSH access. But if you initially provisioned the server with password authentication, you?ll need to prevent the user you used from logging in.

- **How I use temporary keybindings for spellcheck in Neovim | Hund** [14]

  I use spellcheck in Neovim all the time. It?s my only editor and I use it for everything, even when I input text on the web via my web browser qutebrowser. Unfortunately I couldn?t find any natural keys to bind the spellcheck commands to.

  Eventually I got the idea that I could use temporary keybindings that?s only available as long as I have the spellcheck enabled.


  After a clean Ubuntu installation, you have to tweak the desktop appearance more or less to meet your needs.
Besides struggling with different system configuration tools, e.g., System Settings, Gnome Tweaks and Dconf Editor, "Ubuntu First Steps" is a handy tool with mostly used options to tweak your Ubuntu Desktop.

- Create Bootable USB Drives And SD Cards With Etcher In Linux - OSTechNix [16]

Creating bootable USB disks in Linux has become easier than ever before. There are many command line and graphical tools exists to easily create bootable disks. One such tool is balenaEtcher, or just Etcher. In this guide, we will discuss what is Etcher and how to create bootable USB drives and SD cards with Etcher in Linux operating systems.


This is quick guide / tour howto install Debian 11 Bullseye / Sid Unstable on real PC.

1. Verifying and creating USB install media.
2. (optional) verifying and creating non-free firmware USB media.
3. Booting and running installer / installation.
4. Totally optional upgrading to Sid Unstable.

HowTos

Source URL: http://www.tuxmachines.org/node/151210

Links: