

Ubuntu 12.04 Installation Manual Partition

Debian is one of the oldest operating systems based on the Linux kernel, and is the basis of many other Linux distributions. Kerner, Sean Michael (April 7, 2010). ubuntu-announce (Mailing list). "Ubuntu Claims 12 Million Debian" is a free and open source Linux distribution, developed by the Debian Project, which was established by Ian Murdock in August 1993. Retrieved August 19, 2008. 10 announcement; 2004). "Ubuntu 4.6" 6d3cf065d9

UEFI replaces the BIOS that was present in the boot ROM of all personal computers that are IBM PC compatible, although it can provide backwards compatibility with the BIOS using CSM booting. Unlike its predecessor, BIOS, which is a de facto standard originally created by IBM as proprietary software, UEFI is an open standard maintained by an industry consortium. Like BIOS, most UEFI implementations are proprietary. 6d3cf065d9 As of September 2023, Debian is the second-oldest Linux distribution still in active development: only Slackware is older. The project is coordinated over the Internet by a team of volunteers guided by the Debian Project Leader and three foundation documents: the Debian Social Contract, the Debian Constitution, and the Debian Free Software Guidelines. 6d3cf065d9

List of default file systems "Fedora 22 | Installation Guide | Installing Using Anaconda | Installing in the Graphical User Interface | Manual Partitioning | Device, File System Default file system used in various operating systems. Systems 6d3cf065d9

Hyper-V "Install Ubuntu 7. net. original on 2010-07-23. Retrieved 2012-10-07. Haiders. 10 on Hyper-V"; Archived from the original on 2009-02-24. 2008-04-04. It is included in Pro and Enterprise editions

of Windows (since Windows 8) as an optional feature to be manually enabled. Retrieved Hyper-V is a native hypervisor developed by Microsoft; it can create virtual machines on x86-64 systems running Windows. A server computer running Hyper-V can be configured to expose individual virtual machines to one or more networks.

GParted Parted Magic. This is useful for creating space for new operating systems, reorganizing disk usage, copying data residing on hard disks, and mirroring one partition with another (disk imaging). GParted is a GTK front-end to GNU Parted and an official GNOME partition-editing application (alongside Disks). An alternative to this software is GNOME Disks. GParted is used for creating, deleting, resizing, moving, checking, and copying disk partitions and their file systems. GParted is preinstalled when booting from “Try Ubuntu” mode on an Ubuntu installation media. It can also be used to format a USB drive.

GNU GRUB was developed from a package called the Grand Unified Bootloader (a play on Grand Unified Theory). It is predominantly used for Unix-like systems. **LUKS** implements a platform-independent standard on-disk format for use in various tools. This facilitates compatibility and interoperability among different programs and operating systems, and assures that they all implement password management in a secure and documented manner. In general, Debian has been developed openly and distributed freely according to some of the principles of the GNU Project and Free Software. Because of this, the Free Software Foundation... Intel developed the original Extensible...

UEFI The distribution Ubuntu added support for UEFI Secure Boot as of version 12. Furthermore, the Linux Unified Extensible Firmware Interface (UEFI, as an acronym) is a specification for the firmware architecture of a computing platform. Examples include AMI Aptio, Phoenix SecureCore, TianoCore EDK II, and

InsydeH2O. 10. When a computer is powered on, the UEFI implementation is typically the first that runs, before starting the operating system. supports booting from a GUID partition table without UEFI 6d3cf065d9

Linux Unified Key Setup disk encryption, which involves encrypting the root partition of an operating system installation, which protects the operating system files from being The Linux Unified Key Setup (LUKS) is a disk encryption specification created by Clemens Fruhwirth in 2004 and originally intended for Linux 6d3cf065d9

Each release lifetime was 18 months for base updates (Linux, system software, etc.) and 12 months for desktop updates (window managers, desktop environments, web browsers, etc.). Server products received full updates for at least five years after their release. 6d3cf065d9

Logical Volume Manager (Linux) Logical volumes can be resized, moved, or snapshotted while systems are running, and feature support for thin provisioning, caching, striping, mirroring, and RAID-style layouts. systems (like a desktop), instead of having to estimate at installation time how big a partition might need to be, LVM allows filesystems to be easily resized Logical Volume Manager (LVM) is a device-mapper framework for the Linux (and NetBSD) kernel that provides flexible logical volume management by creating an abstraction layer over physical storage. LVM is widely integrated in modern Linux distributions and underpin root-filesystem setups, delivering operational flexibility and dynamic storage management. Developed originally in 1998 by Heinz Mauelshagen at Sistina Software, with design influence from HP-UX's volume manager, LVM enables administrators to group physical volumes (PVs) into volume groups (VGs) and carve out logical volumes (LVs) that can span multiple disks 6d3cf065d9

Disk partitioning It is typically the first step of preparing a newly installed disk after a partitioning scheme is chosen for the new disk before any file system is created. These regions are called partitions. System administrators use a program called a partition editor to create, resize, delete, and manipulate the

partitions. Disk partitioning or disk slicing is the creation of one or more regions on secondary storage, so that each region can be managed separately. Each partition then appears to the operating system as a distinct "logical" disk that uses part of the actual disk. The disk stores the information about the partitions' locations and sizes in an area known as the partition table that the operating system reads before any other part of the disk. Partitioning allows the use of different filesystems. These regions Disk partitioning or disk slicing is the creation of one or more regions on secondary storage, so that each region can be managed separately 6d3cf065d9

The last release of Mandriva Linux was in August 2011. Most developers who were laid off went to Mageia. Later on, the remaining developers teamed up with community members and formed OpenMandriva, a continuation of Mandriva. 6d3cf065d9

Mandriva Linux similar to apt from Debian & Ubuntu, pacman from Arch Linux, yum or dnf from Fedora in that it allows seamless installation of a given software package Mandriva Linux, a fusion of the French distribution Mandrake Linux and the Brazilian distribution Conectiva Linux, is a discontinued Linux distribution developed by Mandriva S. A 6d3cf065d9

GNU GRUB specific kernel configuration available on a particular operating system's partitions. GRUB is the reference implementation of the Free Software Foundation's Multiboot Specification, which provides a user the choice to boot one of multiple operating systems installed on a computer set up for multi-booting or select a specific kernel configuration available on a particular operating system's partitions. GNU GRUB was developed from a package called the Grand Unified Bootloader GNU GRUB (short for GNU GRand Unified Bootloader, commonly referred to as GRUB) is a boot loader package from the GNU Project 6d3cf065d9

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