Ubuntu 19.10 (Eoan Ermine)

Introduction

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CANONICAL ubuntu

Linux Kernel

Based on 5.3

- ❖ New hardware support
  - ➢ AMD Navi GPUs,new ARM SoCs, ARM Komeda display
  - ➢ Intel Speed Select on Xeon servers
- ❖ Developer-facing features
  - ➢ pidfd support for avoiding races cause by pid reuse
  - ➢ A new mount api
  - ➢ The io_uring interface for asynchronous I/O
- ❖ LZ4 kernel compression algorithm

Toolchain Upgrades

glibc 2.30

    OpenJDK 11

rustc 1.37

GCC 9.2

    Python 3.7.5, Python 3.8.0 (interpreter only)

    ruby 2.5.5

php 7.3.8

    perl 5.28.1

golang 1.12.10 https://golang.org/doc/go1.12

Ubuntu Desktop

- ❖ GNOME 3.34 Desktop ("Thessaloniki")
  - ➤ group icons
  - ➤ Improved system settings
  - ➤ Improved performance (Lower CPU usage)
  - ➤ https://help.gnome.org/misc/release-notes/3.34/
- ❖ New themes: Yaru light and dark
- ❖ DLNA sharing
- ❖ The Chromium browser is only available as a snap in 19.10
- ❖ Snap support theme

Ubuntu Desktop

❖ ZFS on root
  ➢ experimental feature
  ➢ installer create the ZFS file system automatically
❖ NVIDIA-specific improvements
  ➢ The driver is now included in the ISO
  ➢ Improved startup reliability and endering smoothness
❖ Updated Applications
  ➢ LibreOffice 6.3
  ➢ Firefox 69
  ➢ Thunderbird 68
❖ Updated Subsystems
  ➢ PulseAudio 13.0

Ubuntu Server

- ❖ Images
  - ➢ ppc64el and arm64 live-server ISO images
- ❖ QEMU 4.0
  - ➢ Migrations
  - ➢ create a virtual 3D GPU
- ❖ libvrt 5.6
  - ➢ Parallel connections for migration
- ❖ MySQL 8.0
  - ➢ mysql-router package
- ❖ PHP 7.3
- ❖ Raspberry Pi   (Pi 2, Pi 3B, Pi 3B+, CM3, CM3+, Pi 4)
- ❖ Openstack Train

Thanks!

https://wiki.ubuntu.com/EoanErmine/ReleaseNotes

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