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SYSTEM RESCUE HOMEPAGE

About SystemRescue

Description: SystemRescue (formerly known as SystemRescueCd) is a Linux system rescue toolkit available as a bootable medium for administrating or repairing your system and data after a crash. It aims to provide an easy way to carry out admin tasks on your computer, such as creating and editing the hard disk partitions. It comes with a lot of Linux system utilities such as GParted, fsarchiver, filesystem tools and basic tools (editors, midnight commander, network tools). It can be used for both Linux and windows computers, and on desktops as well as servers. This rescue system requires no installation as it can be booted from a CD/DVD drive or USB stick, but it can be installed on the hard disk if you wish. The kernel supports all important file systems (ext4, xfs, btrfs, vfat, ntfs), as well as network filesystems such as Samba and NFS.

System and Networking Guides

In addition to the Quick Start Guide and SystemRescue documentation here are other guides:

- **Disk Partitioning**: Introduction, Attributes, Tools, GPT Disks, How Grub boots, How to repair Grub
- **LVM Volume-Manager**: Overview, How it works, Booting, Rootfs on LVM, Snapshots and Backups

Project documentation

This project comes with good documentation. Here are the most important pages:

For the impatient:

- Quick start guide: please read this if this is the first time you are using this system recovery cd.

Chapters about basic usage:

- Overview of the livecd
- Downloading and burning
- How to install SystemRescue on an USB-stick
- Booting SystemRescue (boot options)
- Starting to use the system
- Network: configuration and programs
- Mounting an NTFS partition with full Read-Write support

Chapters about advanced usage:

- Installing SystemRescue on the disk
- Installing additional software packages with pacman
- Configuring SystemRescue with YAML files
- Creating a backing-store to keep your modifications
- PXE network booting with SystemRescue
- Run your own scripts at start-up with autorun
- Secure Deletion of Data
- Backup data from an unbootable Windows computer
- Backup and transfer your data using rsync

System tools included

- **GNU Parted**: creates, resizes, moves, copies partitions, and filesystems (and more).
- **GParted**: GUI implementation using the GNU Parted library.
- **FSArchiver**: flexible archiver that can be used as both system and data recovery software
- **ddrescue** : Attempts to make a copy of a block device that has hardware errors, optionally filling corresponding bad spots in input with user defined pattern in the copy.
- **File systems tools** (for Linux and Windows filesystems): format, resize, and debug an existing partition of a hard disk
- **Ntfs3g**: enables read/write access to MS Windows NTFS partitions.
- **Test-disk** : tool to check and undelete partition, supports reiserfs, ntfs, fat32, ext3/ext4 and many others

Documentation

Manual (EN)
LVM Guide
Disk partitioning

Project

Git repository
Website sources
Bug tracker

- **Memtest**: to test the memory of your computer (first thing to test when you have a crash or unexpected problems)
- **Rsync**: very-efficient and reliable program that can be used for remote backups.
- **Network tools** (Samba, NFS, ping, nslookup, …): to backup your data across the network

Browse the short system tools page for more details about the most important software included.

Browse the detailed package list for a full list of the packages.

It is possible to make custom versions of the system. For example, you can add your own scripts, make an automatic restoration of the system. It is also possible to create custom versions of SystemRescue.

You can use SystemRescue to backup data from an unbootable Windows computer, if you want to backup the data stored on a Windows computer that cannot boot any more.

It is very easy to install SystemRescue on a USB stick. That is very useful in case you cannot boot from the CD/DVD drive. You just have to copy several files to the stick and run syslinux. The install process can be done from Linux or Windows. Follow instructions from the manual for more details.

More information about this project

SystemRescue sources can be found on GitLab and these are licensed under the GPLv3 license.