The Linux HOWTO Index

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The Linux HOWTO Index

by Guylhem Aznar, guylhem@oeil.qc.ca and Greg Ferguson, gferg@sgi.com

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This document contains an index to the Linux HOWTOs as well as other information about the HOWTO project.

1.What Are Linux HOWTOs?

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1.What Are Linux HOWTOs?

Linux HOWTOs are documents which describe in detail a certain aspect of configuring or using Linux. For example, there is the *Installation HOWTO*, which gives instructions on installing Linux, and the *Mail HOWTO*, which describes how to set up and configure mail under Linux. Other examples include the *NET−3 HOWTO* and the *Printing HOWTO*.

HOWTOs are comprehensive docs − much like an FAQ but generally not in question−and−answer format. However, many HOWTOs contain an FAQ section at the end.

There are several HOWTO formats available: plain text, PostScript, DVI, and HTML.

In addition to the HOWTOs, there are a multitude of mini−HOWTOs on short, specific subjects.

2.Where Can I Get Linux HOWTOs?

HOWTOs can be retrieved via anonymous FTP from the following sites:

- `ftp://metalab.unc.edu/pub/Linux/docs/HOWTO`
- `ftp://tsx-11.mit.edu/pub/linux/docs/HOWTO`

as well as many mirror sites.

You can also browse HOWTOs in HTML format or grab Linux−html−HOWTOs.tar.gz for viewing on your own PC. The files will be extracted into HOWTO/html/.

Many mirror sites mirror the HTML files.

`www.linuxdoc.org` is heavily used, so please use a mirror site if possible.

HOWTOs are also posted towards the beginning of the month to the Usenet newsgroup `comp.os.linux.answers`. There is a tool called NewstoHOWTO that will assemble the postings.

2.1 HOWTO Translations

HOWTO translations are available on metalab.unc.edu and mirrors around the world. So far there are:

- Chinese (zh)
- Croatian (hr)
- French (fr)
- German (de)
- Hellenic (el)
- Indonesian (id)
- Italian (it)

- Japanese (ja)
- Korean (ko)
- Polish (pl)
- Slovenian (sl)
- Spanish (es)
- Swedish (sv)
- Turkish (tr)

If you know of any other translation projects, please let me know and I will add them to this list. If you are interested in getting your translations archived on metalab.unc.edu, please read the directory structure specification at http://metalab.unc.edu/pub/Linux/docs/HOWTO/translations/Directory−Structure and get in touch with me.

3.Index

3.1 HOWTOs

The following Linux HOWTOs are currently available:

- 3Dfx−HOWTO, **The Linux 3Dfx HOWTO**

  Updated: February 1998. Describes 3Dfx graphics accelerator chip support for Linux.

- 4mb−Laptops, **4mb Laptop HOWTO**

  Updated: April 2000. Put a "grown−up" Linux on a small−spec (4mb RAM, <=200mb hard disk) laptop.

- Access−HOWTO, **Linux Access HOWTO**

  Updated: March 1997. Covers using adaptive technology to make Linux accessible to those who could not use it otherwise.

- Adv−Routing−HOWTO, **Linux 2.4 Advanced Routing HOWTO**

  Updated: May 2000. A very hands−on approach to iproute2, traffic shaping and a bit of netfilter.

- AI−Alife−HOWTO, **Linux AI & Alife HOWTO**

  Updated: April 2000. Information about, and links to, various AI related software libraries, applications, etc. that work on the Linux platform.

- Alpha−HOWTO, **Brief Introduction to Alpha Systems and Processors**

Updated: June 1997. A brief overview of existing Alpha CPUs, chipsets and systems.

- Assembly−HOWTO, **Linux Assembly HOWTO**

  Updated: May 2000. How to program in assembly language using FREE programming tools, focusing on development for or from the Linux Operating System on IA−32 (i386) platform.

- Astronomy−HOWTO, **Linux Astronomy HOWTO**

  Updated: May 2000. Document shares tips and resources to utilize Linux solutions in the pursuit of Astronomy.

- AX25−HOWTO, **Linux AX25−HOWTO, Amateur Radio**

  Updated: October 1997. How to install and configure support for the AX.25 packet radio protocol utilised by Amateur Radio Operators worldwide.

- Bash−Prompt−HOWTO, **Bash Prompt HOWTO**

  Updated: December 1999. Creating and controlling terminal and xterm prompts is discussed, including incorporating standard escape sequences to give username, current working directory, time, etc.

- Belgian−HOWTO, **The Belgian HOWTO**

  Updated: February 2000. How to tweak Linux for Belgian users; lists Linux user groups, businesses and other resources in Belgium.

- Benchmarking−HOWTO, **Linux Benchmarking HOWTO**

  Updated: August 1997. Discusses some issues associated with the benchmarking of Linux systems and presents a basic benchmarking toolkit.

- Beowulf−HOWTO, **Beowulf HOWTO**

  Updated: November 1998. Introduces the Beowulf Supercomputer architecture and provides background information on parallel programming, including links to other more specific documents.

- Bootdisk−HOWTO, **The Linux Bootdisk HOWTO**

  Updated: April 2000. How to design and build your own boot/root diskettes for Linux.

- BootPrompt−HOWTO, **The Linux BootPrompt HOWTO**

  Updated: May 1999. A compilation of all the possible boot time arguments that can be passed to the Linux kernel at boot time. Includes all kernel and device parameters.

- Busmouse−HOWTO, **The Linux Busmouse HOWTO**

  Updated: February 2000. How to install, configure and use a busmouse under Linux.

- C++Programming−HOWTO, **C++ Programming HOWTO**

  Updated: April 2000. Discusses methods to avoid memory problems in C++ and also will help you to program properly in C++ language. Applies to all operating sytems.

- C−C++Beautifier−HOWTO, **C−C++ Beautifier HOWTO**

  Updated: April 2000. Helps you to format (beautify) C/C++ programs so that it is more readable and conforms to your site coding standards. Applies to all operating sytems.

- Cable−Modem, **Cable Modem Providers HOWTO**

  Updated: May 2000. Answers basic questions on how to connect your Linux box to cable modem or cable Internet provider.

- CD−Writing−HOWTO, **CD−Writing HOWTO**

  Updated: May 2000. Explains how to write CD−ROMs under Linux.

- CDROM−HOWTO, **The Linux CD−ROM HOWTO**

  Updated: March 1999. How to install, configure, and use CD−ROM drives under Linux.

- Chinese−HOWTO, **Chinese HOWTO**

  Updated: June 1998. Demonstrates how to implement Chinese on Linux system, including those common problems encountered while using Chinese, the ways to obtain, and shows how to install and setup a variety of different Chinese software.

- Chroot−BIND−HOWTO, **Chroot−BIND HOWTO**

  Updated: March 2000. Describes installing the BIND 8 nameserver to run in a chroot jail and as a non−root user, to provide added security and minimise the potential effects of a security compromise.

- Commercial−HOWTO, **Linux Commercial HOWTO**

  Updated: March 1999. A listing of commercial software and applications which are offered for Linux.

- Config−HOWTO, **Configuration HOWTO**

  Updated: September 1999. Aims at making the fine−tuning of your newly installed Linux box quicker and easier. You will find a set of configurations for the most common applications and services.

- Consultants−HOWTO, **Linux Consultants HOWTO**

  Updated: September 1999. A listing of companies providing commercial Linux related support.

- CVS−RCS−HOWTO, **CVS−RCS HOWTO for Linux (Source Code Control System)**

Updated: April 2000. A "practical guide" to very quickly setup a CVS/RCS source code control system.

- Cyrillic−HOWTO, **The Linux Cyrillic HOWTO**

  Updated: January 1998. How to set up your Linux box to typeset, view and print the documents in the Russian language.

- Danish−HOWTO, **The Linux Danish/International HOWTO**

  Updated: March 2000. How to configure Linux and various Linux applications for Danish locale standards such as keyboard, font, paper−size etc.

- Diald−HOWTO, **Diald HOWTO**

  Updated: April 2000. Shows some typical scenarios for easy start using Diald. *Replaces the Diald mini−HOWTO*.

- Diskless−HOWTO, **Diskless Nodes HOWTO for Linux**

  Updated: April 2000. How to set up a diskless Linux box.

- Diskless−root−NFS−HOWTO, **Root over nfs clients & server HOWTO**

  Updated: March 1999. How to setup a server and configure clients for diskless operation from a network.

- Distribution−HOWTO, **The Linux Distribution HOWTO**

  Updated: February 2000. Intended to help new users choose a Linux distribution, and to help experienced users track the state of the Linux market.

- DNS−HOWTO, **DNS HOWTO**

  Updated: February 1999. How to become a totally "small time" DNS admin.

- DOS−Win−to−Linux−HOWTO,**From DOS/Windows to Linux HOWTO**

  Updated: February 1999. Written for all the DOS and Windows users who have decided to switch to Linux.

- DOSEMU−HOWTO, **The dosemu HOWTO**

  Updated: March 1997.

- Ecology−HOWTO, **Linux Ecology HOWTO**

  Updated: March 2000. Discusses ways Linux computers can be used as a means to protect our environment, by using its features to save power or paper.

- Emacs−Beginner−HOWTO, **Emacs Beginner's HOWTO**

Updated: October 1999. Introduces Linux users to the Emacs editor.

- Emacspeak−HOWTO, **The Linux Emacspeak HOWTO**

  Updated: April 1999. How a blind user can use Linux with a speech synthesizer to replace the video display.

- Enterprise−Java−for−Linux−HOWTO, **Enterprise Java for Linux HOWTO**

  Updated: January 1999. How to set up an Enterprise Java environment on Linux including a JDK, a Web server, supporting Java servlets, accessing a database via JDBC, and supporting Enterprise Java Beans (EJBs).

- Esperanto−HOWTO, **Linux−Esperanto−HOWTO**

  Updated: August 1999.

- Ethernet−HOWTO, **Linux Ethernet HOWTO**

  Updated: May 1999. Information about which ethernet devices can be used for Linux, and how to set them up (focused on the hardware and low level driver aspect of the ethernet cards; see Network HOWTO for software configuration information).

- Filesystems−HOWTO, **Filesystems HOWTO**

  Updated: March 2000. About filesystems and accessing filesystems.

- Finnish−HOWTO, **Finnish HOWTO**

  Updated: February 1996. How to "finlandize" Linux − Finnish keyboard mapping, time zone, 8−bit clean settings for applications, etc. (written in Finnish).

- Firewall−HOWTO, **Firewall and Proxy Server HOWTO**

  Updated: February 2000. Designed to describe the basics of firewall systems and give you some detail on setting up both a filtering and proxy firewall on a Linux based system.

- Font−HOWTO, **Font HOWTO**

  Updated: March 2000. Provides a comprehensive source to act as a starting point for any and all font questions about Linux.

- Framebuffer−HOWTO, **Framebuffer HOWTO**

  Updated: July 1999. How to use the framebuffer devices in Linux with a variety of platforms. Also includes how to set up multi−headed displays.

- Francophones−HOWTO, **Le Francophones−HOWTO : Linux & la langue française**

  Updated: December 1999.

- From−PowerUp−To−Bash−Prompt−HOWTO, **From Power Up To Bash Prompt**

  Updated: April 2000. A brief description of what happens in a Linux system from the time that you turn on the power, to the time that you log in and get a bash prompt.

- Ftape−HOWTO, **Ftape HOWTO**

  Updated: August 1998. Discusses essential do's and dont's for the ftape floppy tape driver under Linux. Focuses on the newest version (ftape−4.02 at the time of this writing).

- GCC−HOWTO, **The Linux GCC HOWTO**

  Updated: May 1999. Covers how to set up the GNU C compiler and development libraries under Linux; gives an overview of compiling, linking, running and debugging programs under it.

- German−HOWTO, **German HOWTO**

  Updated: March 1997. Addresses Linux localization issues specific to German users (written in German).

- Glibc2−HOWTO, **Glibc 2 HOWTO**

  Updated: June 1998. Covers installing and using the GNU C Library version 2 (libc 6) on Linux systems.

- Hardware−HOWTO, **Linux Hardware Compatibility HOWTO**

  Updated: September 1999. Lists most of the hardware supported by Linux and helps you locate any necessary drivers.

- Hebrew−HOWTO, **The Hebrew HOWTO**

  Updated: September 1995. How to configure your Linux machine to use Hebrew characters on X−Windows and Virtual Consoles.

- Hellenic−HOWTO, **Hellenic HOWTO**

  Updated: August 1997. Addresses Linux localization issues specific to Greek users (written in Hellenic).

- HOWTO−HOWTO, **HOWTO HOWTO**

  Updated: May 2000. Lists the tools, procedures, and hints to get HOWTO authors up to speed and writing.

- HOWTO−INDEX, **The Linux HOWTO Index**

  Updated: April 2000. Index to the Linux HOWTOs as well as other information about the HOWTO project.

- HP−HOWTO, **HP HOWTO − Utilisation and Configuration Guide of HP Products under Linux**

Updated: April 2000. Describes the use of products available in Hewlett−Packard (HP) catalog with Linux and some free software.

- INFO−SHEET, **Linux Information Sheet**

  Updated: September 1998. Provides basic information about the Linux operating system, including an explanation of Linux, a list of features, some requirements, and some resources.

- IngresII−HOWTO, **Ingres II HOWTO**

  Updated: December 1999. Helps install the Ingres II Relational Database Management System on Linux.

- Installation−HOWTO, **The Linux Installation HOWTO**

  Updated: May 2000. How to obtain and install Linux software. It is the first document which a new Linux user should read to get started.

- Intranet−Server−HOWTO, **The Linux Intranet Server HOWTO**

  Updated: August 1997. How to setup an Intranet using Linux as the server which binds Unix, Netware, NT and Windows together.

- IP−Masquerade−HOWTO, **Linux IP Masquerade HOWTO**

  Updated: January 2000. How to enable the Linux IP Masquerade feature on a given Linux host.

- IPCHAINS−HOWTO, **Linux IPCHAINS HOWTO**

  Updated: March 1999. How to obtain, install and configure the enhanced IP firewalling chains software for Linux, and some ideas on how you might use them.

- IPX−HOWTO, **Linux IPX HOWTO**

  Updated: May 1998. How to obtain, install and configure various tools available for the the Linux operating system that use the Linux kernel IPX protocol support.

- IR−HOWTO, **Linux IR HOWTO**

  Updated: September 1999. Introduction to Linux and infrared devices and how to use the software provided by the Linux/IrDA project.

- ISP−Hookup−HOWTO, **ISP−Hookup HOWTO**

  Updated: March 1998. How to use Linux to connect to an Internet Service Provider via a dial−up modem TCP/IP connection (basic dial−up procedure and IP establishment, email and news handling is covered).

- ISP−Setup−RedHat, **"Pocket" ISP based on RedHat Linux**

  Updated: April 2000. Outlines the setup of a single RedHat box for dialins, virtual web hosting,

virtual email, POP3 and ftp servers.

- Italian−HOWTO, **Linux Italian HOWTO**

  Updated: November 1998. Addresses Linux localization issues specific to Italian users (written in Italian).

- Java−CGI−HOWTO, **Java CGI HOWTO**

  Updated: December 1998. Explains how to set up your server to allow CGI programs written in Java and how to use Java to write CGI programs.

- JavaStation−HOWTO, **Linux on the Sun JavaStation NC HOWTO**

  Updated: April 2000. Describes how to enable the Linux OS on the Sun JavaStation NC.

- Jaz−Drive−HOWTO, **Jaz−drive HOWTO**

  Updated: January 2000. Covers the configuration and use of the 1Gb and 2Gb Iomega Jaz drives under Linux.

- Kernel−HOWTO, **The Linux Kernel HOWTO**

  Updated: June 1999. A detailed guide to kernel configuration, compilation, upgrades, and troubleshooting for ix86−based systems.

- Keyboard−and−Console−HOWTO, **The Linux keyboard and console HOWTO**

  Updated: February 1998. Contains some information about the Linux (v2.0) keyboard and console, and the use of non−ASCII characters.

- KickStart−HOWTO, **RedHat Linux KickStart HOWTO**

  Updated: January 1999. Briefly describes how to use the RedHat Linux KickStart system to rapidly install large numbers of identical Linux boxes.

- Kiosk−HOWTO, **Kiosk HOWTO**

  Updated: October 1999. Provides a guide for setting up a WWW−based kiosk using Linux, X11R6, FVWM2, Netscape Navigator 4.X, and a customized trackball.

- Kodak−Digitalcam−HOWTO, **Kodak Digital Camera HOWTO**

  Updated: February 2000. Getting a Kodak digital camera working under GNU/Linux.

- Laptop−HOWTO, **Linux Laptop HOWTO**

  Updated: December 1999. Contains a concise survey of laptop−related (Linux content) documents, such as installation methods for laptops (via PCMCIA, without CD drive, etc.), laptop hardware features, and configurations for different (network) environments.

- Large−Disk−HOWTO, **Large Disk HOWTO**

  Updated: February 2000. All about disk geometry and the 1024 cylinder limit for disks.

- LDAP−HOWTO, **LDAP Linux HOWTO**

  Updated: February 2000. Information about installing, configuring, running and maintaining a LDAP (Lightweight Directory Access Protocol) Server on a Linux machine.

- Linux−From−Scratch−HOWTO, **Linux From Scratch HOWTO**

  Updated: April 2000. Describes the process of creating your own Linux system from scratch from an already installed Linux distribution, using nothing but the source code of software that we need.

- LinuxDoc+Emacs+Ispell−HOWTO, **LinuxDoc+Emacs+Ispell HOWTO**

  Updated: February 1998. Aimed at writers and translators of Linux HOWTOs or any other paper for the Linux Documentation Project. Gives hints at using tools including Emacs and Ispell.

- Loopback−Encrypted−Filesystem−HOWTO, **Loopback Encrypted Filesystem HOWTO**

  Updated: November 1999. Explains how to setup and then use a filesystem that, when mounted by a user, dynamically and transparently encrypts its contents.

- LVM−HOWTO, **Logical Volume Manager HOWTO**

  Updated: May 2000. A very hands−on HOWTO for Linux LVM.

- Mail−Administrator−HOWTO, **The Linux Electronic Mail Administrator HOWTO**

  Updated: January 2000. Describes the setup, care and feeding of Electronic Mail (e−mail) under Linux. Primarily intended for administrators.

- Mail−User−HOWTO, **The Linux Mail User HOWTO**

  Updated: May 1999. An introduction to the world of electronic mail (email) under Linux. Focuses on user−level issues and typical configurations for Linux home and small−business machines connected to the net via an ISP.

- Majordomo−MajorCool−HOWTO, **Majordomo and MajorCool HOWTO**

  Updated: November 1999. Intended to guide a user through an installation of the Majordomo Mailing List Software and MajorCool (utility for managing Majordomo lists via a CGI script).

- META−FAQ, **Linux Meta−FAQ**

  Updated: October 1997. Mainly a list of valuable sources of information for Linux. Use these sources out if you want to learn more about Linux, or have problems and need help.

- MGR−HOWTO, **The MGR Window System HOWTO**

Updated: May 1996. Information on the installation, configuration and running of the MGR Window System.

- MILO−HOWTO, **Alpha Miniloader HOWTO**

  Updated: December 1996. Describes the Alpha Linux Miniloader (also known as MILO), a program for Alpha−based systems that can be used to initialize the machine and load Linux.

- MIPS−HOWTO, **Linux/MIPS HOWTO**

  Updated: March 1999. Describes the MIPS port of the Linux operating system, common problems and their solutions, availability and more.

- Modem−HOWTO, **The Linux Modem HOWTO**

  Updated: May 2000. Help with selecting, connecting, configuring, trouble−shooting, and understanding modems for a PC.

- MP3−HOWTO, **The Linux MP3 HOWTO**

  Updated: April 2000. Describes the hardware, software and procedures needed to encode, play and stream MP3 sound files under Linux.

- Multi−Disk−HOWTO, **HOWTO: Multi Disk System Tuning**

  Updated: November 1999. How best to use multiple disks and partitions for a Linux system.

- MultiOS−HOWTO, **Managing Multiple Operating Systems HOWTO**

  Updated: February 2000. Covers the procedures for using removable hard disks to install and manage multiple alternative operating systems while leaving a single fixed disk to permanently house and protect the primary operating system.

- Multicast−HOWTO, **Multicast over TCP/IP HOWTO**

  Updated: March 1998. Tries to cover most aspects related to multicast over TCP/IP networks.

- Mutt−GnuPG−PGP−HOWTO, **Mutt−i, GnuPG and PGP HOWTO**

  Updated: February 2000. Briefly explains how to configure Mutt−i, PGP and GnuPG in its different versions (2.6.x, 5.x and GnuPG).

- NC−HOWTO, **Linux Netstation mini−HOWTO**

  Updated: December 1999. Describes how to hook up a IBM Netstation to your local network using a Linux box as server.

- NCD−HOWTO, **Linux NCD mini−HOWTO**

  Updated: September 1999. Describes how to hook up a NCD ThinSTAR to your local network using a Linux box as server.

- Net−HOWTO, **Linux Networking HOWTO**

  Updated: March 2000. Information about networking for Linux (relates only to version 4 of the Linux Networking Kernel or more specifically kernel releases 2.x and 2.2.x).

- NET3−4−HOWTO, **Linux Networking HOWTO (Previously the Net−3 Howto)**

  Updated: August 1999. Describes how to install and configure the Linux networking software and associated tools.

- Networking−Overview−HOWTO, **The Linux Networking Overview HOWTO**

  Updated: September 1999. Overview of the networking capabilities of the Linux Operating System; provides pointers for further information and implementation details.

- NFS−HOWTO, **NFS HOWTO**

  Updated: October 1999. How to set up NFS clients and servers.

- NIS−HOWTO, **The Linux NIS(YP)/NYS/NIS+ HOWTO**

  Updated: March 1999. How to configure Linux as NIS(YP) or NIS+ client and how to install as NIS server.

- Online−Troubleshooting−HOWTO, **Online Troubleshooting Resources HOWTO**

  Updated: September 1999. Directs Linux users to resources available on the Internet that provide access to a vast amount of Linux−related information useful in troubleshooting problems.

- Optical−Disk−HOWTO, **Linux – Optical Disk HOWTO**

  Updated: December 1998. Describes the installation and configuration of optical disk drives for Linux.

- Oracle−7−HOWTO, **Oracle 7 Database HOWTO**

  Updated: August 1998. A guide to installing and configuring the Oracle 7 Database Server on a Linux system.

- Oracle−8−HOWTO, **Oracle (8) for Linux Installation HOWTO**

  Updated: April 2000. A guide to installing and configuring the *Oracle 8i Enterprise Edition for Linux*.

- PalmOS−HOWTO, **Palm OS Desktop HOWTO**

  Updated: February 1999. Explains how to use your Palm OS device with a Linux system.

- Parallel−Processing−HOWTO, **Linux Parallel Processing HOWTO**

  Updated: January 1998. Discusses the four basic approaches to parallel processing that are available

to Linux users: SMP Linux systems, clusters of networked Linux systems, parallel execution using multimedia instructions (i.e., MMX), and attached (parallel) processors hosted by a Linux system.

- PCI−HOWTO, **Linux PCI−HOWTO**

  Updated: March 1997. Information on what works with Linux and PCI−boards and what does not.

- PCMCIA−HOWTO, **Linux PCMCIA HOWTO**

  Updated: December 1999. How to install and use PCMCIA Card Services for Linux.

- phhttpd−HOWTO, **PHHTTPD**

  Updated: January 2000. phhttpd is an HTTP accelerator. It serves fast static HTTP fetches from a local file−system and passes slower dynamic requests back to a waiting server.

- PHP−HOWTO, **PHP HOWTO**

  Updated: May 2000. How to develop PHP programs and also to migrate all the Windows 95 GUI applications to powerful PHP + HTML + DHTML + XML + Java applets + Javascript. Applies to all the operating sytems where PHP is ported.

- PLIP−Install−HOWTO, **PLIP Install HOWTO**

  Updated: November 1999. How to install a GnuXXPIPELinux distribution on a computer without Ethernet card, nor cdrom, but just a local floppy drive and a remote nfs server attached by a Null−Modem parallel cable.

- Plug−and−Play−HOWTO, **The Linux Plug−and−Play HOWTO**

  Updated: May 2000. How to get your Linux system to support Plug−and−Play.

- Polish−HOWTO, **Polish HOWTO**

  Updated: February 1999. Addresses Linux localization issues specific to Polish users (written in Polish).

- Portuguese−HOWTO, **Portuguese HOWTO**

  Updated: December 1999. Addresses Linux localization issues specific to Portuguese users (written in Portuguese).

- PostgreSQL−HOWTO, **Database−SQL−RDBMS HOWTO for Linux (PostgreSQL Object Relational Database System)**

  Updated: May 2000. A "practical guide" to very quickly setup a SQL Database engine and front end tools on a Unix system.

- PPP−HOWTO, **Linux PPP HOWTO**

  Updated: March 1997. How to connect your Linux PC to a PPP server, how to use PPP to link two

LANs together; provides one method of setting up your Linux computer as a PPP server.

- Printing−HOWTO, **The Linux Printing HOWTO**

  Updated: February 2000. A collection of information on how to generate, preview, print and fax anything under Linux (and other Unices in general).

- Printing−Usage−HOWTO, **The Linux Printing Usage HOWTO**

  Updated: February 1998. How to use the print system under Linux.

- Process−Monitor−HOWTO, **Process Monitor HOWTO for Linux**

  Updated: April 2000. How to monitor Linux/Unix processes and to re−start them automatically if they die (without any manual intervention).

- Program−Library−HOWTO, **Program Library HOWTO**

  Updated: April 2000. This HOWTO for programmers discusses how to create and use program libraries on Linux. This includes static libraries, shared libraries, and dynamically loaded libraries.

- Psion−HOWTO, **Linux and Psion HOWTO**

  Updated: November 1999. How to use Psion palmtops with Linux. Does not cover running Linux on a Psion palmtop.

- Qmail−VMailMgr−Courier−imap−HOWTO, **Qmail VMailMgr and Courier−Imap HOWTO**

  Updated: April 2000. Building a mail server that will support virtual domain hosting and provide smtp, pop3 and imap services, using a powerful alternative to sendmail.

- Quake−HOWTO, **Linux Quake HOWTO**

  Updated: August 1998. How to install, run and troubleshoot Quake, QuakeWorld and Quake II on an Intel Linux system.

- Reading−List−HOWTO, **The Linux Reading List HOWTO**

  Updated: March 2000. Lists the books the author thinks are most valuable to a person trying to learn Unix (especially Linux) top to bottom.

- RedHat−CD−HOWTO, **Burning a RedHat CD HOWTO**

  Updated: March 2000. How to make your own CDs from the Red Hat Linux distribution equivalent to the ones commercially available from Red Hat.

- Root−RAID−HOWTO, **Root RAID HOWTO cookbook**

  Updated: May 2000. This document only applies to the OLD raidtools, versions 0.50 and under. The workarounds and solutions addressed in this HOWTO have largely been made obsolete by the vast improvment in the 0.90 raidtools and accompanying kernel patch to the 2.0.37, 2.2x and 2.3x series

kernels. You may find the detailed descriptions useful, particularly if you plan to run root raid or use initrd.

original description: A cookbook for creating a root mounted raid filesystem and companion fallback rescue system using linux initrd. Step−by−step instructions for both raid1 and raid5 md0 devices.

- RPM−HOWTO, **RPM HOWTO − RPM at Idle**

  Updated: November 1999. RPM is the RPM Package Manager. It is an open packaging system available for anyone to use. It allows users to take source code for new software and package it into source and binary form such that binaries can be easily installed and tracked and source can be rebuilt easily. It also maintains a database of all packages and their files that can be used for verifying packages and querying for information about files and/or packages.

- SCSI−Programming−HOWTO, **The Linux SCSI programming HOWTO**

  Updated: May 1996. Deals with programming the Linux generic SCSI interface.

- Secure−Programs−HOWTO, **Secure Programming for Linux and Unix HOWTO**

  Updated: April 2000. Provides a set of design and implementation guidelines for writing secure programs for Linux and Unix systems.

- Securing−Domain−HOWTO, **Setting Up Your New Domain Mini HOWTO**

  Updated: December 1999. Outlines the things you will probably have to do when you want to set up a network of computers under your own domain. Covers configuration of network parameters, network services, and security settings.

- Security−HOWTO, **Linux Security HOWTO**

  Updated: March 2000. A general overview of security issues that face the administrator of Linux systems.

- Serbian−HOWTO, **Serbian HOWTO**

  Updated: November 1998. Addresses Linux localization issues specific to Serbian users (written in Serbian).

- Serial−HOWTO, **The Linux Serial HOWTO**

  Updated: May 2000. Describes serial port features other than those which should be covered by other HOWTOs. Lists information on multiport serial cards and contains detailed technical information about the serial port itself.

- Serial−Programming−HOWTO, **The Linux Serial Programming HOWTO**

  Updated: January 1998. How to program communications with devices over a serial port on a Linux box.

- Shadow−Password−HOWTO, **Linux Shadow Password HOWTO**

Updated: April 1996. How to obtain, install, and configure the Linux password Shadow Suite.

- Slovenian−HOWTO, **Slovenian HOWTO**

  Updated: February 1999. Addresses Linux localization issues specific to Slovenian users (written in Slovenian).

- SMB−HOWTO, **SMB HOWTO**

  Updated: April 2000. How to use the Server Message Block (SMB) protocol, also called the Session Message Block, NetBIOS or LanManager protocol, with Linux using Samba.

- SMP−HOWTO, **Linux SMP HOWTO**

  Updated: January 2000. Reviews main issues related to SMP configuration under Linux.

- Software−Building−HOWTO, **Building and Installing Software Packages for Linux**

  Updated: July 1999. A comprehensive guide to building and installing "generic" UNIX software distributions under Linux.

- Software−RAID−HOWTO, **Software−RAID HOWTO**

  Updated: January 2000 (latest version). How to use Software RAID under Linux. It addresses a specific version of the Software RAID layer, namely the 0.90 RAID layer made by Ingo Molnar and others. This is the RAID layer that will be standard in Linux−2.4, and it is the version that is also used by Linux−2.2 kernels shipped from some vendors. The 0.90 RAID support is available as patches to Linux−2.0 and Linux−2.2, and is by many considered far more stable that the older RAID support already in those kernels.

- Software−RAID−0.4x−HOWTO, **Software−RAID HOWTO (earlier implementation)**

  Updated: November 1998. How to use Software RAID under Linux. RAID stands for "Redundant Array of Inexpensive Disks". For users of the Linux MD kernel extension, the associated tools, and their use. This HOWTO addresses an earlier implementation.

- Software−Release−Practice−HOWTO, **Software Release Practice HOWTO**

  Updated: January 2000. Describes good release practices for Linux open−source projects.

- Sound−HOWTO, **The Linux Sound HOWTO**

  Updated: March 1999. Describes sound support for Linux (hardware, configuration, etc).

- Sound−Playing−HOWTO, **The Linux Sound Playing HOWTO**

  Updated: August 1998. Lists applications for Linux that play various sound formats.

- Spanish−HOWTO, **Spanish Linux HOWTO**

  Updated: August 1996. Contains information on Linux in the Spanish environment, for developing

software with Spanish support or how to get in touch with the Linux community in Spain (written in Spanish).

- SRM−HOWTO, **SRM Firmware HOWTO**

  Updated: March 2000. How to boot Linux/Alpha using the SRM firmware, which is the firmware normally used to boot DEC Unix (also known as OSF/1 and Tru64Unix) and OpenVMS.

- TclTk−HOWTO, **The Linux Tcl and Tk HOWTO**

  Updated: November 1998. Describes the Linux approach to Tcl, a scripting language.

- TeTeX−HOWTO, **The teTeX HOWTO: The Linux−teTeX Local Guide**

  Updated: November 1998. Covers the basic installation and usage of the teTeX TeX and LaTeX implementation, plus auxiliary packages like Ghostscript.

- Text−Terminal−HOWTO, **The Linux Text−Terminal HOWTO**

  Updated: May 2000. Explains what text terminals are, how they work, how to install and configure them, and provides some info on how to repair them.

- Thai−HOWTO, **The Linux Thai HOWTO**

  Updated: August 1998. How to use Thai language with Linux. This will cover setting Thai fonts, Thai keyboard and some Thai applications.

- Thinclient−HOWTO, **Thin Client: New User Guide**

  Updated: November 1999. How to turn inexpensive legacy computers into fast terminals.

- Tips−HOWTO, **The Linux Tips HOWTO**

  Updated: June 1998. Contains those hard to find hints and tweekings that make Linux a bit nicer.

- Turkish−HOWTO, **Turkish HOWTO**

  Updated: September 1999. Addresses Linux localization issues specific to Turkish users (written in Turkish).

- UMSDOS−HOWTO, **UMSDOS HOWTO**

  Updated: November 1995. Explains how to use Umsdos (a linux file system) in different configurations, and its operation.

- Unicode−HOWTO, **The Unicode HOWTO**

  Updated: October 1999. How to change your Linux system so it uses UTF−8 as text encoding.

- Unix−and−Internet−Fundamentals−HOWTO, **The Unix and Internet Fundamentals HOWTO**

Updated: March 2000. Describes the working basics of PC−class computers, Unix−like operating systems, and the Internet in non−technical language.

- UPS−HOWTO, **The UPS HOWTO**

  Updated: November 1997. Helps you connect an uninterruptable power supply to a Linux box.

- User−Authentication−HOWTO, **User Authentication HOWTO**

  Updated: May 2000. Explains how user and group information is stored and how users are authenticated on a Linux system (PAM), and how to secure you system's user authentication.

- User−Group−HOWTO, **Linux User Group HOWTO**

  Updated: April 1998. A guide to founding, maintaining, and growing a Linux User Group.

- UUCP−HOWTO, **The Linux UUCP HOWTO**

  Updated: February 1998. Describes the setup, care & feeding of UUCP under Linux.

- VAR−HOWTO, **Linux VAR HOWTO**

  Updated: August 1999. Contains a listing of service companies which do not manufacture hardware or create packaged software, but add value to existing products.

- Vim−HOWTO, **Vim Color Editor HOWTO (Vi Improved w/syntax color highlighting)**

  Updated: April 2000. A guide to very quickly setup Vim color editor on Linux or Unix systems.

- Virtual−Services−HOWTO, **Virtual Services HOWTO**

  Updated: August 1998. How to virtualize a service.

- VMailMgr−HOWTO, **VMailMgr HOWTO**

  Updated: April 2000. Explains how to setup VMailMgr support pop3 virtual domain services in conjunction with Qmail.

- VME−HOWTO, **VME HOWTO**

  Updated: July 1998. Shows the embedded system community how to run Linux on their VMEbus Pentium and other PCI local bus based VMEbus processor designs.

- VMS−to−Linux−HOWTO, **From VMS to Linux HOWTO**

  Updated: September 1999. Aimed at all those who have been using VMS and now need or want to switch to Linux.

- VPN−HOWTO, **VPN HOWTO**

  Updated: December 1999. How to set up a Virtual Private Network with Linux.

- VPN−Masquerade−HOWTO, **Linux VPN Masquerade HOWTO**

  Updated: September 1999. How to configure a Linux firewall to masquerade IPsec− and PPTP−based Virtual Private Network traffic, allowing you to establish a VPN connection without losing the security and flexibility of your Linux firewall's internet connection and allowing you to make available a VPN server that does not have a registered internet IP address.

- Wacom−Tablet−HOWTO, **Wacom Tablet HOWTO**

  Updated: March 2000. Installation of (not only) Wacom graphic tablets under linux and/or xfree86.

- Wearable−HOWTO, **Wearable HOWTO**

  Updated: March 2000. Nomadism is one of the major trends of our society, now most of the people can work with a laptop computer, but few did the next step: to live, or if you prefer to wear one computer − that is a wearable.

- Winmodems−and−Linux−HOWTO, **Winmodems−and−Linux HOWTO**

  Updated: April 2000. Helps users having a Winmodem for getting it working under Linux.

- WWW−HOWTO, **Linux WWW HOWTO**

  Updated: August 1999. Information about setting up WWW services under Linux (both server and client).

- WWW−mSQL−HOWTO, **A mSQL and perl Web Server HOWTO**

  Updated: September 1997. How to build a SQL client/server database using WWW and HTML for the user interface.

- XFree86−HOWTO, **The Linux XFree86 HOWTO**

  Updated: April 2000. How to obtain, install, and configure version 4.0 of the XFree86 version of the X Window System (X11R6) for Linux systems.

- XFree86−Touch−Screen−HOWTO, **Linux Touch Screen HOWTO**

  Updated: December 1999. How to set up a touch screen input device under XFree86.

- XFree86−Video−Timings−HOWTO, **XFree86 Video Timings HOWTO**

  Updated: March 2000. How to compose a mode line for your card/monitor combination under XFree86.

- Xinerama−HOWTO, **Using the Xinerama Extensions to MultiHead X V. 4.0**

  Updated: May 2000. How to configure XFree86 Version 4.0 with Multiple monitors and the Xinerama extentions.

- XWindow−User−HOWTO, **The X Window User HOWTO**

Updated: September 1999. Information on configuring the X Window environment for the Linux user, as well as for the beginning system administrator attempting to sort through the many configuration options and details of X Window.

3.2 mini–HOWTOs

The following Linux mini–HOWTOs are currently available:

- 3–Button–Mouse, **The 3 Button Serial Mouse mini–HOWTO**

  Updated: May 1998. How to get a 3 button serial mouse working properly under Linux.

- ADSL, **ADSL HOWTO for Linux Systems**

  Updated: April 1999. How to setup a Linux System to work with Asymmetric Digital Subscriber Loop (ADSL).

- ADSM–Backup, **Linux ADSM mini–HOWTO**

  Updated: January 1997. How to install and use a client for the commercial ADSM backup system for Linux/i386.

- Advocacy, **Linux Advocacy mini–HOWTO**

  Updated: May 1998. Suggestions for how the Linux community can effectively advocate the use of Linux.

- Alsa–sound, **Alsa–sound–mini–HOWTO**

  Updated: November 1999. Describes the installation of the ALSA sound drivers for Linux.

- Apache–mods, **Apache+DSO+mod_ssl+mod_perl+php+mod_auth_nds+mod_auth_mysql+mod_fastcgi mini–HOWTO**

  Updated: April 2000. Details the installation of an Apache based webserver suite configured to handle DSO, and various useful modules including mod_perl, mod_ssl and php.

- Apache+SSL+PHP+fp, **Linux Apache SSL PHP/FI frontpage mini–HOWTO**

  Updated: July 1998. About building a multipurpose webserver that will support dynamic web content via the PHP/FI scripting language, secure transmission of data based on Netscape's SSL, secure execution of CGI's and M$ Frontpage Server Extensions.

- Automount, **Automount mini–HOWTO**

Updated: April 1999. Describes the autofs automounter, how to configure it; points out some problems to avoid.

- Backup−With−MSDOS, **Backup−With−MSDOS mini−HOWTO**

  Updated: August 1997. How to use a Linux−compatible tape drive installed on an MS−DOS machine to back up the filesystem of a Linux machine.

- Battery−Powered, **Battery Powered Linux Mini−HOWTO**

  Updated: December 1997. How to reduce a Linux system's power consumption by tweaking some of its configuration settings.

- Boca, **Boca HOWTO**

  Updated: August 1997. How to install a Boca 16−port serial card (Boca 2016) with Linux.

- BogoMips, **BogoMips mini−HOWTO**

  Updated: February 2000. Some information about BogoMips, compiled from various sources.

- Boot+Root+Raid+LILO, **Boot + Root + Raid + Lilo : Software Raid mini−HOWTO**

  Updated: May 2000. A cookbook for setting up root raid using the 0.90 raidtools for bootable raid mounted on root using standard LILO.

- Bridge, **Bridging mini−HOWTO**

  Updated: September 1998. Describes how to setup an ethernet bridge.

- Bridge+Firewall, **Linux Bridge+Firewall Mini−HOWTO**

  Updated: December 1997. A bridge is an intelligent connecting wire betwen two network cards. A firewall is an intelligent insulator.

- Bridge+Firewall+DSL, **Bridge + Firewall + DSL Mini−HOWTO**

  Updated: March 2000. Configuring a Linux system to act as a firewall and bridge with a DSL network connection.

- BTTV−Mini−HOWTO−0.3, **The BTTV Mini−HOWTO**

  Updated: February 2000. Describes the hardware, software, and procedures needed to use a bt8x8 chipset based frame grabber or TV tuner card under Linux.

- Bzip2, **Bzip2 mini−HOWTO**

  Updated: August 1999. How to use the new bzip2 compression program.

- call−back**call−back mini HOWTO**

Updated: March 2000. How to set up call−back by using the Linux system and modem.

- Cipe+Masq, **The Linux Cipe+Masquerading mini−HOWTO**

  Updated: April 1999. How to setup a VPN using Cipe on a linux masquerading firewall.

- Clock, **The Clock Mini−HOWTO**

  Updated: July 1999 How to set and keep your computer's clock on time.

- Coffee, **COFFEE−HOWTO**

  Updated: January 1998. Yes, Linux DOES make coffee, and it tastes good.

- Commercial−Port−Advocacy, **Commercial Port Advocacy mini−HOWTO**

  Updated: December 1999. Discusses methods that can be used to approach commercial software companies to convince them to port their programs to Linux.

- Compressed−TCP, **Compressed TCP/IP−Sessions using SSH−like tools**

  Updated: April 2000. Discusses how to compress data streams.

- Cyrus−IMAP, **Install Cyrus IMAP Server mini−HOWTO**

  Updated: January 1998. Some help in installing the Cyrus IMAP Server on a Linux machine.

- DHCP, **DHCP mini−HOWTO**

  Updated: November 1999. Answers basic questions on how to set up your Linux box to serve as a DHCP server or a DHCP client.

- Divert−Sockets−mini−HOWTO, **Divert Sockets mini−HOWTO**

  Updated: February 2000. Describes how to get, compile and use FreeBSD divert sockets under Linux 2.2.12.

- Domain−Setup−mini−HOWTO, **Setting Up Your New Domain Mini−HOWTO**

  Updated: February 2000. Outlines the things you will probably have to do when you want to set up a network of computers under your own domain.

- DPT−Hardware−RAID, **Linux DPT Hardware RAID HOWTO**

  Updated: April 1999. How to set up hardware RAID under Linux.

- Ext2fs−Undeletion, **Linux Ext2fs Undeletion mini−HOWTO**

  Updated: February 1999. Presents a discussion of how to retrieve deleted files from a Second Extended File System.

- Fax−Server, **Linux simple fax printer server mini−HOWTO (faxsrv−mini−HOWTO)**

  Updated: November 1997. Describes in detail one of the simplest ways to setup a fax server on your Linux system.

- Font−Deuglification−mini−HOWTO, **XFree86 Font Deuglification Mini HOWTO**

  Updated: November 1999. How to fix ugly and unreadable X Window fonts.

- Firewall−Piercing, **Firewall Piercing mini−HOWTO**

  Updated: November 1998. Directions for using ppp over telnet to do network activities transparently through an Internet firewall.

- FTP, **FTP mini−HOWTO**

  Updated: January 2000. How to use ftp clients and servers

- GIS−GRASS, **GIS−GRASS mini−HOWTO**

  Updated: November 1997. How to acquire, install and configure a powerful scientific public−domain Geographic Information System (GIS): the Geographic Resources Analysis Support System (GRASS).

- Handspring−Visor, **Handspring−Visor mini−HOWTO**

  Updated: April 2000. Using the Visor with Linux and your USB port.

- Hard−Disk−Upgrade, **Hard Disk Upgrade Mini HOWTO**

  Updated: April 2000. How to copy a Linux system from one hard disk to another.

- Home−Network−mini−HOWTO, **Red Hat Linux 6.X as an Internet Gateway for a Home Network**

  Updated: January 2000. Tutorial on configuring Red Hat 6 and related variants to operate as an internet gateway to a small home or office network. Topics covered include masquerading, DNS, DHCP, and basic security.

- Install−From−ZIP, **Linux Install From PPA−Zip drive mini−HOWTO**

  Updated: April 1998. How to install Linux from a parallel port zip drive using the Slackware Linux distribution.

- Intkeyb, **mini−HOWTO for Linux (Unix) to setup international keyboards**

  Updated: April 2000. This xmodmap and kimap solutions will work for you in setting up any international keyboard for (Debian, RedHat, Mandrake, Corel Linux) Linux, FreeBSD, OpenBSD, NetBSD and possibly every Unix that uses Xfree86 and KDE.

- IO−Port−Programming, **Linux I/O port programming mini−HOWTO**

Updated: December 1997. Describes programming hardware I/O ports and waiting for small periods of time in user−mode Linux programs running on the Intel x86 architecture.

- IP−Subnetworking, **IP Sub−Networking mini−HOWTO**

  Updated: March 1997. Describes why and how to subnetwork an IP network − that is using a single A, B or C Class network number to function correctly on several interconnected networks.

- IP−Alias, **Setting Up IP Aliasing On A Linux Machine Mini−HOWTO**

  Updated: January 1997. How to set up and run IP aliasing on a Linux box.

- IPMasquerading+Napster, **IPMasquerading+Napster mini−HOWTO**

  Updated: April 2000. Present a way to allow users behind an IPMasq'd system to use Napster.

- ISP−Connectivity, **ISP−Connectivity mini−HOWTO**

  Updated: November 1997. How to setup PPP, connect up to your ISP, configure mail and news, get a permanent IP (if available), get a domain name, and have a bonda fide system running in a little over thirty minutes.

- Kerneld, **The Linux kerneld mini−HOWTO**

  Updated: May 2000. Explains how you can use the kerneld function in the Linux kernels.

- LBX, **The LBX mini−HOWTO**

  Updated: December 1997. LBX (Low Bandwidth X) is an X server extension which performs compression on the X protocol. It is meant to be used in conjunction with X applications and an X server which are separated by a slow network connection, to improve display and response time.

- Leased−Line, **Leased line mini−HOWTO**

  Updated: April 2000. Configuring your modem and pppd to use a 2 wire twisted pair leased line.

- LILO, **Lilo mini−HOWTO**

  Updated: August 1998. Lilo (LILO) is the most used Linux Loader for the x86 flavour of Linux. This describes some typical Lilo installations. Intended as a supplement to the Lilo User's Guide.

- Linux+DOS+Win95+OS2, **The Linux ``Linux−DOS−Win95−OS2'' mini−HOWTO**

  Updated: November 1997. Presents a procedure to make 4 operating systems co−exist on a single hard disk.

- Linux+FreeBSD, **The Linux+FreeBSD mini−HOWTO**

  Updated: March 2000. How to use Linux and FreeBSD on the same system.

- Linux−Modem−Sharing**Linux Modem sharing mini−HOWTO**

Updated: February 1997. Describes how to setup a Linux system in order to share a modem attached to this system with other systems over a TCP/IP network.

- Linux+NT−Loader, **NT OS Loader + Linux mini−HOWTO**

  Updated: September 1997. Describes the use of the Windows NT boot loader to start Linux. This procedures have been tested with Windows NT 4.0 WS and Linux 2.0.

- Linux+Solaris, **Linux+Solaris mini−HOWTO**

  Updated: April 2000. Describes how to use Solaris and Linux together on one machine. It addresses common questions like multibooting and file−sharing.

- Linux+Win95, **Yes my Children, it CAN be DONE!**

  Updated: April 1996. Installing both Linux and Windows 95 on your PC.

- Loadlin+Win95, **The Loadlin+Win95 mini−HOWTO**

  Updated: March 1999. How to use Loadlin with Windows 95 to boot to Linux.

- Loopback−Root−FS, **The Loopback Root Filesystem HOWTO**

  Updated: September 1999. How to use the Linux loopback device to create a Linux native filesystem format installation that can be run from a DOS partition without re−partitioning.

- Mac−Terminal, **The MacTerminal mini−HOWTO**

  Updated: November 1997. How to configure the Mac for use as a Linux terminal.

- Mail−Queue, **Linux Mail−Queue mini−HOWTO**

  Updated: September 1997. Configuration changes necessary to make sendmail deliver local mail *now*; while stashing remote mail in the queue until *"I Say So"*.

- Mail2News, **Mail2News mini−HOWTO**

  Updated: July 1999. How to feed a mailing list to a news server.

- Man−Page, **The Linux Man Page mini−HOWTO**

  Updated: January 2000. Explains what you should bear in mind when you are going to write on−line documentation −− a so called man page −− that you want to make accessible via the man(1) command.

- Modules, **Linux Modules Installation mini−HOWTO**

  Updated: n/a How to successfully set up Linux with modules configured and working.

- Multiboot−with−LILO, **Win95 + WinNT + Linux multiboot using LILO mini−HOWTO**

Updated: March 1998. How to use the to multiboot between Windows 95, Windows NT, and Linux.

- NCD−X−Terminal, **NCD X terminal mini HOWTO**

  Updated: March 2000. How to connect an NCD X terminal to a UNIX host.

- Netrom−Node, **Netrom−Node mini−Howto**

  Updated: October 1998. How to setup the ax25−utilities package for Amateur Radio such that it makes Netrom Nodes for the Node program and the BBS software from John−Paul Roubelat, F6FBB.

- Netscape+Proxy, **HOWTO for inHouse IntraNet**

  Updated: August 1997. Describes the procedure to set up a NETWORK (INTRANET) at your home. Then we shall setup the network such that NETSCAPE Clients can be used on ANY machine to access the internet...

- Netstation, **Linux Netstation mini−HOWTO**

  Updated: February 1998. How to hook up a IBM Netstation to your local network using a Linux box as server.

- News−Leafsite, **News Leafsite mini−HOWTO**

  Updated: January 1998. This will help you to configure a small leafsite for Usenet News using the free software package Leafnode.

- NFS−Root, **NFS−Root mini−HOWTO**

  Updated: August 1997. How to setup a ``disc−less'' Linux workstation, which mounts it's root filesystems via NFS.

- NFS−Root−Client, **NFS−Root−Client mini−HOWTO**

  Updated: February 1999. How to create client root directories on a server that is using NFS Root mounted clients.

- Offline−Mailing, **Linux off−line mailing method (offline mailaddr with 1 account)**

  Updated: June 1998. Use your linux mailing system offline, receive mail for multiple users with only one email address, and without being 24−24 online.

- Partition−Rescue−mini−HOWTO, **The Linux Partition−Rescue mini−HOWTO**

  Updated: January 2000. Describes how to rescue your Linux partition if M$−DOG has deleted it for you.

- Partition, **Linux Partition HOWTO**

  Updated: May 2000. Teaches you how to plan and layout disk space for your Linux system.

- Path, **PATH HOWTO**

  Updated: November 1997. Describes common tricks and problems with Unix / Linux environment variables, especially with PATH variable.

- PLIP, **LINUX PLIP mini−HOWTO**

  Updated: March 1998. Will hopefully let you build and use a Parallel Line Interface Protocol.

- Pre−Installation−Checklist, **Linux pre−installation checklist**

  Updated: December 1999. An aide−memoire which may make installation of Linux a pleasant experience for you.

- Process−Accounting, **How To Enable Process Accounting on Linux**

  Updated: August 1997. Describes how to enable system process accounting on a Linux host, and the usage of various process accounting commands

- Programming−Languages, **Programming Languages mini−HOWTO**

  Updated: January 2000. A brief comparison of major programming languages for Linux and major libraries for creating graphical user interfaces (GUIs) under Linux.

- Proxy−ARP−Subnet, **ProxyARP Subnetting HOWTO**

  Updated: August 1997. Discusses using Proxy Address Resolution Protocol (ARP) with subnetting in order to make a small network of machines visible on another Internet Protocol (IP) subnet.

- Public−Web−Browser, **The Linux Public Web Browser mini−HOWTO**

  Updated: January 1998. The basic idea here is to give web access to people who wander by, while limiting their ability to mess anything up.

- Qmail+MH, **mini−HOWTO install qmail with MH**

  Updated: March 1998. Installation experiences to offer some help to other users who wish to use this combination for their email.

- Quota, **Quota mini−HOWTO**

  Updated: August 1997. How to enable file system quota on a Linux host, assigning quota for users and groups, as well as the usage of miscellaneous quota commands.

- RCS, **The RCS mini−HOWTO**

  Updated: August 1997. Covers basic installation and usage of RCS, the GNU Revision Control System, under Linux.

- Remote−Boot, **Linux Remote−Boot mini−HOWTO: Configuring Remote−Boot Workstations with Linux, DOS, Windows 95/98 and Windows NT**

Updated: February 1999. How to set up a very robust and secure server−based configuration for a cluster of PCs, allowing each client to choose at boot−time which operating system to run.

- Remote−X−Apps, **Remote X Apps mini−HOWTO**

  Updated: November 1999. How to run remote X applications.

- RPM+Slackware, **RPM+Slackware Mini−Howto**

  Updated: April 1998. How to get RPM installed and working properly under Slackware.

- Saving−Space, **Saving Space mini−HOWTO**

  Updated: April 1999. Directions for squeezing your Linux installation into the least possible space. Particularly aimed at notebook users.

- Secure−POP+SSH, **Secure POP via SSH mini−HOWTO**

  Updated: September 1998. How to set up secure POP connections using ssh.

- Sendmail+UUCP, **Sendmail+UUCP HOWTO**

  Updated: May 1998. How to setup a single machine with no direct access to the internet to route mail for you via sendmail and UUCP to a 'smarter host' (eg. your ISP).

- Sendmail−Address−Rewrite, **sendmail address rewriting mini−HOWTO**

  Updated: May 1998. A brief description of how to set up sendmail's configuration file for the home user's dial−up access.

- SLIP−PPP−Emulator, **SLIP/PPP Emulator HOWTO**

  Updated: August 1997. Describes how to get your Linux box to connect to a generic site via a SLIP/PPP emulator, such as SLiRP or TIA.

- Small−Memory, **Small Memory Mini−HOWTO**

  Updated: March 2000. How to run Linux on a system with a small amount of memory.

- Soundblaster−AWE, **Sound Blaster AWE 32/64 HOWTO**

  Updated: January 1998. How to install and configure a Sound Blaster 32 (SB AWE 32, SB AWE 64) card from Creative Labs in a Linux System using the AWE Sound Driver Extension written by Takashi Iwai. It also covers some special tools and players for the SB AWE series.

- StarOffice, **StarOffice 3.1 Mini−HOWTO**

  Updated: November 1999. Information on installing the StarOffice 3.1 Office Suite by StarDivision.

- Swap−Space, **Linux Swap Space Mini−HOWTO**

Updated: December 1999. How to share your Linux swap partition with Windows.

- Term−Firewall, **Using Term to Pierce an Internet Firewall**

  Updated: July 1996. Directions for using ``term'' to do network stuff through a TCP firewall that you're not supposed to be able to.

- TkRat, **TkRat mini−HOWTO**

  Updated: September 1999. Geared toward anyone interested in using their Linux computer to send and receive Internet E−Mail.

- Token−Ring, **Token−Ring mini−HOWTO**

  Updated: January 1998. Designed to help you install the kernel patch and also try to point out some things to look for.

- TransparentProxy, **Transparent Proxy with Squid mini−HOWTO**

  Updated: April 2000. Provides information on how to setup a transparent caching HTTP proxy server using only Linux and squid.

- TT−Debian, **TrueType Fonts in Debian mini−HOWTO**

  Updated: January 2000. How to configure a Debian system to use TrueType fonts for display and printing.

- Ultra−DMA, **The Linux Ultra−DMA Mini−Howto**

  Updated: November 1999. How to use Ultra−DMA aka Ultra−ATA aka Ultra33 and Ultra66 hard drives and interfaces with Linux.

- Update, **The Staying Updated mini−HOWTO**

  Updated: September 1999. How to stay updated and abreast of the development that takes place in the Linux world of development.

- Upgrade, **Upgrading Your linux Distribution mini−HOWTO**

  Updated: June 1996. Hints and tips on upgrading from one linux distribution to another.

- VAIO+Linux, **Linux on Sony VAIO mini−HOWTO**

  Updated: September 1998. This document explains installation of Linux on Sony VAIO computers.

- Visual−Bell, **Visible bell mini−Howto**

  Updated: November 1997. How to use termcap to configure a visual bell on one's system and describes how to disable audible bells on demand.

- VPN, **The VPN HOWTO**

Updated: August 1997. How to setup a Virtual Private Network.

- WordPerfect, **WordPerfect Mini−howto**

  Updated: August 1997. Discusses running WordPerfect on Linux, including a brief discussion on the WordPerfect 7.0 beta.

- X−Big−Cursor, **X11−big−cursor mini−HOWTO**

  Updated: August 1997. How to use enlarged mouse cursors with the X window system.

- XFree86−XInside, **Linux XFree−to−Xinside mini−HOWTO**

  Updated: September 1997. How to convert an XFree86 modeline into an XInside/XiGraphics one.

- Xterm−Title, **How to change the title of an xterm**

  Updated: October 1999. How to use escape sequences to dynamically change window and icon titles of an xterm.

- ZIP−Drive, **Zip Drive Mini−HOWTO**

  Updated: January 1999. Provides a quick reference quide on setting up and using the Iomega ZIP drive with Linux.

- ZIP−Install, **Installing Linux on ZIP disk using ppa ZIP Drive Mini−Howto**

  Updated: January 1998. This document is only useful for those with the printer port version of a ZIP drive who wish to have either a portable or backup Linux system on a ZIP disk.

3.3 Special HOWTOs

The *High Availability HOWTO*, by Harald Milz <hm@seneca.muc.de> is available at `http://metalab.unc.edu/pub/Linux/ALPHA/linux-ha/High-Availability-HOWTO.html`. It is not included with the HOWTO collection because it relies on figures and cannot be distributed in all supported formats.

The *Graphics mini−HOWTO*, by Michael J. Hammel <mjhammel@graphics−muse.org> is available at `http://www.graphics-muse.org/linux/lgh.html`. It is not included with the HOWTO collection because it needs to use a lot of images, which don't translate to other output formats.

3.4 Unmaintained HOWTOs

There are a number of unmaintained documents, which can be found at:
`http://metalab.unc.edu/pub/Linux/docs/HOWTO/unmaintained/`.

These are kept around since old documentation is sometimes better than none. However, you should *be aware that you are reading old documentation*.

If the date tag is too old, please consider the HOWTO as unmaintained.

However, there are exceptions, such as old programs (for ex UUCP HOWTO) or not−so−hot topics (for ex AX−25 HOWTO).

4.Writing and Submitting a HOWTO

If you are interested in writing or maintaining a HOWTO, please get in touch with us **FIRST!!!** at `ldp-discuss@lists.linuxdoc.org`.

If you want to maintain a unmaintained HOWTO, please also get in touch with the former author.

Here are a few guidelines that you should follow when writing a HOWTO:

- Try to use meaningful structure and organization, and write clearly. Remember that many of the people reading HOWTOs do not speak English as their first language.
- If you are writing a HOWTO, you *must* use the SGML−Tools package, available from `http://www.sgmltools.org/`, to format the HOWTO. This package allows us to produce HTML, LaTeX (for DVI and PostScript), plain text and DocBook sgml from a single source document, and was designed specifically for the HOWTOs. This also gives all of the HOWTOs a uniform look. It is very important that you format and review the output of the formatting in PostScript, plain text and HTML.
- Make sure that all of the information is correct. I can't stress this enough. When in doubt, speculate, but make it clear that you're only guessing.
- Make sure that you are covering the most recent version of the available software. Also, be sure to include full instructions on where software can be downloaded from (FTP site name, full pathname), and the current version number and release date of the software.
- Include an FAQ section at the end, if appropriate. Many HOWTO documents need an ``FAQ'' or ``Common Problems'' section to cover information which can't be covered in the regular text.
- Use other HOWTOs a model! The SGML source to the HOWTOs is available on Linux FTP sites. In addition, have a look at the Using DocBook Guide, the HOWTO−HOWTO, the LDP manifesto and the LDP license guide.
- Make sure that your name, email address, date, and a version number is near the beginning of the document. You could also include WWW addresses and a snail mail address if you want. The standard header is:

```
Title
Author's name and email address
Version number and date
```

for example:

```
The Linux HOWTO Index
by Tim Bynum
v2.10.29, 31 July 1997
```

- Lastly, be prepared to receive questions and comments about your writing. There are several hundreds of accesses to the HOWTO collection every day from around the world!

After you have written the HOWTO, mail the SGML source to us at `ldp-submit@lists.linuxdoc.org`.

It is *important* that you go through us when submitting a HOWTO, as we maintain the archives and need to keep track of what HOWTOs are being written and who is doing what.

Then, all you have to do is send me periodic updates whenever appropriate.

5.Copyright

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In short, we wish to promote dissemination of this information through as many channels as possible. However, we do wish to retain copyright on the HOWTO documents, and would like to be notified of any plans to redistribute the HOWTOs.

If you have questions, please contact the Linux HOWTO coordinator, at `linux-howto@metalab.unc.edu` via email.