

Fermi Linux 6.1.1

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April 10, 2000

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www.fnal.gov/cd/unix/linux

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- What we changed/added
 - Security Enhancements
 - Fermi Enhancements
 - OSS Department
 - D0 Task Force
 - Contrib
 - RedHat enhancements
- Off site issues
- Future

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- Security Enhancements
 - Incorporate all of the Red Hat published Errata
 - ircii-4.4M-1, nmh-1.0.3-6x
 - usermode, PAM
 - syslogd, bind
 - ypserv , wu-ftpd
 - ORBit, esound, gnome-core
 - initscripts, screen
 - netscape, lpr

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- Security -- continued
 - tcp wrappers -- fnal.gov only
 - /etc/inetd.conf
 - Disable everything
 - ssh installed
 - on DONOTEXPORT cdrom or fnal.gov access during network install
 - fnal.gov only via tcp wrappers
 - /etc/inittab
 - sulogin requires root password for single user mode

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- Security -- continued
 - Autorpm
 - Automatically installs/updates RPMS via a cron job which probes via ftp [linux1/linux.fnal.gov](ftp://linux1/linux.fnal.gov)
 - Installed RPMS that are updated -- Generic
 - Installed Workgroup RPMS that are updated
 - New Workgroup RPMS

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- Fermi Enhancements -- OSS Department
 - Workgroup support during install
 - Upgraded RPMS
 - Added RPMS
 - RedHat Bugs fixed by us

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- Workgroup Support during install
 - Ability for different “Workgroups” to have different
 - Default RPMS
 - RPMS just for them
 - UPS/UPS bootstrap installed if requested
 - bash shell script run at end of install to let “workgroup” customize

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- Upgraded RPMS
 - kernel from 2.2.12 to 2.2.14
 - support for disks > 32GB
 - XFree86 from 3.3.5 to 3.3.6
 - more Xservers
 - truetype font support
 - Ghostscript
 - ghostscript-5.50-12
 - ghostscript-fonts-other-5.50-12

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- Upgraded RPMS -- continued
 - xntp3-5.93-4.i386.rpm
 - netkit-base
 - Fixes ping
 - autofs-3.1.3
 - Latest version available
 - make-3.78
 - The one that came with Redhat 6.1 was bad

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- Added RPMS
 - glimpse-4.1-4
 - tkrat-1.2-3
 - email reader
 - zz_emacs_load_edt
 - Fix RedHat emacs load edt bug
 - zz_fermi-release
 - Make name say “fermi Linux”

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- Added RPMS -- continued
 - zz_fsck_change
 - Change frequency of fsck on boot. Increase frequency.
 - zz_inetd_change
 - Change /etc/inetd.conf so as to disable all services
 - zz_inittab_change
 - Enable sulogin requiring root password for single user mode

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- Added RPMS -- continued
 - zz_nmh_change
 - Fix path of nmh so that exmh can find it.
 - zz_sendmail
 - Disable email relay and send all mail via fnal.gov
 - zz_tcp_wrappers_change
 - Enable onlu fnal.gov
 - zz_xntp3_change
 - Enable xntp to use broadcast from routers for time source

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- Added RPMS -- continue
 - acroread 4.0
 - amanda
 - nedit-static
 - perl-libnet
 - needed for autorpm
 - perl-MD5
 - needed for systracker

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- Added RPMS -- continue
 - serial-console
 - enables serial console
 - xemacs

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- RedHat Bugs we fixed
 - /etc/hosts file was wrong
 - outbount email did not work
 - ping
 - did not return if host did not answer

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- RPMS from D0 Task Force (Simon)
 - Upgraded
 - ncurses-5.0-11.i386.rpm
 - ncurses-devel-5.0-11.i386.rpm
 - tcsh-6.08.00-6fm.i386.rpm
 - termcap-10.2.7-9.noarch.rpm

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- RPMS from D0 Task Force (Simon)
 - Added
 - fermi-d0-kde-menus-1.0-9.noarch.rpm
 - fermi-d0-kdm-1.0-1.noarch.rpm
 - fermi-d0-logos-1.0-6.noarch.rpm
 - fermi-d0-makewhatis-fix-1.0-5.noarch
 - fermi-d0-shells-1.0-4.noarch.rpm
 - fermi-d0-sound-fix-1.0-2.noarch.rpm

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- Contrib - Misc usefull items
 - /contrib
 - pcmcia
 - pcmcia-cs-3.1.11.tar.gz
 - tomsrtbt
 - Linux rescue boot floppy
 - RPMS
 - acrosread-4.05
 - cdrecord-1.8-1
 - mswordview
 - sudo

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- RedHat enhancements incorporated
 - Netscape-4.72
 - sharutils . libtiff, groff
 - apache, linuxconf
 - GNOME , timetool
 - ppp. lynx
 - up2date. usermode
 - rp3 . e2fsprogs
 - Installer updates , ICP Vortex driver disk

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- Offsite issues
 - Things that you may want to change because they are Fermi Site specific
 - www-oss.fnal.gov/fss/documentation/linux/611/offsiteissues.html

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- Future
 - RedHat 6.2 has been announced
 - Fermi Linux 6.1.1 was done so as to have a “recent” Linux that could be “frozen” and there was a upgrade window.
 - So is there another time that systems can be upgraded before the next “frozen” time. Is there a need.