

Technical Datasheet Product Specifications

Features and Technical Services

- Web server
 - Apache web server
 - Apache extension modules
 - PHP
 - PHP Extensions
 - Tomcat
- File & Print
 - Windows: Samba 2.2.5
 - Macintosh: netatalk
 - Printing: CUPS, lprng
 - Network filesystems: NFS
- Name server and internet / intranet connection server
 - DNS (bind)
 - WINS (Samba)
 - DHCP server and client
 - FTP, TFTP
- Mail and news server
 - SMTP (postfix)
 - POP
 - IMAP
- Proxy server
 - Cacheing & filtering: squid
- SQL database server
 - mysql, postgres
 - appropriate standards based extension for heterogeneous OS
 - access support (OBDC, JBDC)
- Authentication server
 - Windows domain controller: Samba
 - Directory service: OpenLDAP
 - Single Sign-on: Kerberos 5
 - Logon: PAM modules
 - Yellow pages: NIS server
- Time server
 - NTP
- Text editors: vim
- Volume manager: LVM
- Acrobat Reader

- KDE 3.0.3 minimal system (kdebase and Konqueror)
- Mozilla 1.0.1

Security

- Secure shell: ssh
- Secure sockets: OpenSSL
- Encryption: GnuPG
- Only minimal services running at boot as the default
- Installing packages should not start services automatically
- Full strong crypto enabled (apache, openssl, ipsec, openssh, libcrypt, gpg, encrypted file system)
- GPG signed RPM packages
- Basic Firewall
- VPN: FreeSwan

Development Environment

These include amongst others:

- C (gcc), Version 3.2
- C++ (cpp), Version 3.2
- Perl
- Python
- Ruby
- Tcl/Tk
- diff
- patch
- make
- lex (flex)
- yacc (bison)
- autoconf
- automake
- binutils
- libtool
- GDB
- strace
- tar
- cpio
- gzip

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- bzip2
- rpm

Libraries and core functionality

- LSB 1.1 runtime environment
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- glibc 2.2.5
- Standard Linux and Unix shells: bash, csh, ksh
- textutils
- fileutils
- sh-utils
- sharutils
- util-linux
- SysVinit
- vixie-cron
- Remote shell tools: ssh, scp
- Networking tools (ping, traceroute, nslookup, dig, host)
- IPv6 (basic tools like ifconfig / route and config location)
- Firewalling tools (ipchains, iptables, masquerading)
- Scripting languages: python, perl, PHP, Tcl/Tk, ruby
- XFree86 4.2 (libs and server)
- X print service (libXp.so.6)
- Free fonts for wide character support
- Free input methods for wide character support
- KDE 3.0.3 libraries
- GNOME 2.0 libraries
- SNMP

Kernel Features

- Kernel 2.4.19
- Memory Expansion Technology (MXT)
Raw device support for databases
- Async I/O
- Direct I/O
- Multipath I/O
- NGPT

- (Next Generation Posix Threads)
- PCI-X support (for drivers that support it)
- USB Floppy
- USB CD-ROM
- Provision for High Availability
 - SteelEye
 - PolyServe
- Logical Volume Manager (LVM)
for use with all supported file systems
- Journaling file system support
 - ext3
 - reiserfs
 - jfs (IBM)
- POSIX-ACLS
 - ext2
 - ext3
 - reiserfs

Platform Support

- Supported CPU Architectures
 - x86
 - Itanium Processor Family
 - Itanium 2
 - AMD x86-64 "Hammer" (2003)
 - Power PC 32/64
 - IBM iSeries
 - IBM pSeries
 - IBM S/390 (31 Bit); runs on:
 - IBM S/390 hardware (31-bit)
 - IBM zSeries hardware (64-bit)
 - IBM zSeries (64 Bit);
able to run applications compiled for:
 - Linux for IBM zSeries (64-bit)
 - Linux for IBM S/390 (31-bit) due to compatibility mode
- IBM Mainframe Capabilities (only S/390 and zSeries)
 - Channel Architecture
 - Virtualisation
 - Crypto HW Support
 - Hipersockets

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National Language Support

- English
- French
- German
- Italian
- Portuguese
- Spanish
- Japanese
- Korean
- Simplified Chinese
(Chinese Government Standard GB18030)
- Other languages by local ISV's

Single Source Code for all versions and platforms

- Installation, Hardware Detection, Administration and Update (YaST)
 - Auto Detection
 - Custom Setup
 - Software Setup
 - System Administration
 - Modular Concept
 - User Inter
 - Console (TTY)
 - KDE 3
 - Pluggable
 - Third Party Modules
 - User Interfaces

SLES Production Environment (AutoBuild)

- Allows for fastest cycle times in the Linux Platform Industry
- Fully automated production of
 - HW architecture specific SLES versions
 - Language specific SLES Versions
 - Technical Documentation
 - Reproducibility
 - Testability
 - Quality assurance

- Enables
 - Fast Support turn around times
 - Most current releases and fixes

Maintenance and Support

- Maintenance
 - access to bug fixes and functional enhancements together with detailed documentation for all maintained versions of the respective product.
 - access to the SuSE Linux Maintenance Web at <http://www.suse.de/maintenance>.
 - prompt notifications regarding any changes and product innovations
 - provide with the next product-versions
 - web-based support
 - email-based support for installation of product, patches, feature enhancements or new versions

Support

- Call Interface
 - Phone
 - Fax
 - e-Mail
 - Web
- Service Level Agreements