

## Summary of major packages and services

### Trustix™ Operating System- Major packages and services

**Trustix™ Operating System uses a 'best of breed' approach to package selection. Each package has been carefully chosen for its suitability to enterprise server deployments.**

The packages in Trustix™ Operating System have been carefully picked based on their security history and design. When several packages can provide the same functionality, we always select the one with the best security.

For example- some distributions ship with both the notoriously insecure Sendmail MTA, and the more secure Postfix MTA. Trustix Operating System has only the SSL/TLS enabled postfix included- decreasing the chance that an administrator will install an insecure package.

Superfluous packages and unnecessary services can lead to:-

- More potential security holes
- More server configuration
- More dependency issues
- More drain on system resources
- Less efficient server performance

Trustix™ Research Labs have eliminated the server non-essential components of Linux and modified those that remain to their secure defaults. Interdependencies have been resolved and preconfigured by our developers so that Trustix™ OS can be quickly installed out of the box. Your business can immediately deploy a fully operational and secure server in less time than any other Linux distribution.

The table below contains at-a-glance information about the packages and services included with Trustix™ Operating System ES installation media.

<b>Adsl (rp-pppoe)</b>	RoaringPenguin's implementation of PPP over Ethernet. Needed for ADSL from some providers
<b>Apache ( httpd )</b>	Most stable and secure, industry standard application for enterprise web servers.
<b>arpwatch</b>	A program that monitors what network cards are active on the local network, and what IP addresses they have. Can be used by the administrator to resolve IP address conflicts.
<b>atalk</b>	Appletalk. File and printer sharing for macintosh clients.
<b>cdrtools</b>	Make ISO images and write to CD



<b>courier-pop3d</b>	Courier's pop3 mail server
<b>courier-pop3sd</b>	Courier's secure pop3 mail server
<b>courier-imapd</b>	Courier's imap mail server.
<b>courier-simapd</b>	Courier's secure imap mail server
<b>cups</b>	Common Unix Printing System. Print services.
<b>cyrus</b>	Cyrus imap and pop3 server. Cryrus is a highly scalable enterprise mail system and uses standards based technologies. It will scale from independent use in small departments to a system centrally managed in a large enterprise. Cyrus has significant speed and flexibility advantages on large installations. (i.e.-more than a few thousand users)
<b>dhcpd</b>	DHCP server. Automatically issues IP addresses on your network.
<b>dkms_autoinstaller</b>	System for handling kernel modules (drivers) that are not distributed by Trustix. The service can be set to run on boot-up and installs modules for that kernel that are found in DKMS but have not yet been installed on that kernel.
<b>fcron</b>	Latest and most efficient version of the <b>cron</b> daemon. Used for scheduling tasks.
<b>GCC</b>	C and C++ compiler
<b>ipsec</b>	<b>I</b> nternet <b>P</b> rotocol <b>S</b> ecurity. IPsec uses encryption technology to provide data confidentiality, integrity, and authenticity between participating peers in a private network. Used for setting up VPN tunnels.
<b>iptables</b> <b>iptables 6</b>	Firewall. The actual firewall implementation is inside the Linux kernel. These are the tools used to configure it. Combined with Trustix™ OS built in security measures, allows administrators to create a highly secure Firewall for corporate networks
<b>kudzu</b>	Hardware autodetection. Used by the installer. In Windows speak, this enables Linux to be 'plug 'n' play'
<b>Ldap</b> <b>openLdap</b>	<b>L</b> ightweight <b>D</b> irectory <b>A</b> ccess <b>P</b> rotocol (LDAP) server. A typical LDAP server is a simple network-accessible database where an organization stores information about its authorized users and what privileges each user has. (username/password/expire date etc)
<b>mysql</b>	mysql database server
<b>named</b>	BIND DNS server. Trustix™ OS uses BIND version 9.
<b>netfs</b>	NFS client
<b>nfs</b>	NFS server
<b>nfslock</b>	File locking daemon for the nfs server
<b>nscd</b>	Name service cache daemon. Nscd provides cacheing for the passwd, group and hosts databases through standard libc interfaces.
<b>ntpd</b>	Network Time Protocol Daemon. Ensures the correct time settings.



<b>Perl</b>	<b>Practical Extraction and Reporting Language.</b> A robust programming language frequently used for creating CGI programs on Web servers because it is faster than UNIX shell script programs, it can read and write binary files, and it can process very large files.
<b>PHP4</b>	(mod_php4) A server-side web scripting language with client support for mysql and postgresql.
<b>portmap</b>	Portmap is a server that converts RPC (Remote Procedure Call) program numbers into DARPA protocol port numbers. It must be running in order to make RPC calls.
<b>Postfix</b>	Highly Secure Mail Server for enterprise standard servers
<b>postgresql</b>	sql database
<b>pptpd</b>	VPN server for road warrior support
<b>proftpd</b>	FTP server
<b>Python</b>	Python is an interpreted, interactive, object-oriented programming language—comparable to Tcl, Perl, or Java
<b>rawdevices</b>	Startup scripts for raw device support. (Eg- uncached access to hard disks. Can also be used to optimize disk access for databases)
<b>saslauthd</b>	Authentication daemon for cyrus-sasl. Used by the cyrus mail server
<b>Samba ( smb )</b>	Windows file and printer sharing services. Used for LAN functionality and ensures total compatibility in heterogeneous networks
<b>squid</b>	HTTP proxy server. Used for implementing proxy server functionality
<b>sshd</b>	SSH daemon. Remote login server. Secure Shell is a program to log into another computer over a network, to execute commands in a remote machine, and to move files from one machine to another. It provides strong authentication and secure communications over unsecured channels
<b>stunnel</b>	SSL Tunnel. A wrapper program that can be used to secure access to insecure services.
<b>SWUP</b>	Trustix OS highly secure automated patch management utility.
<b>syslog</b>	System logger daemon
<b>sysstat</b>	SAR and IOSTAT for Linux. Logs CPU, memory and disk usage statistics for the system so that the admin can determine if there are any system bottlenecks. Helps diagnose whether system resources need to be upgraded or reconfigured.
<b>Vim</b>	Text editor
<b>vsftpd</b>	Very Secure FTP server.
<b>winbind</b>	A part of Samba. Used to authenticate users to a windows domain.
<b>XFS</b>	Fast and scalable journaling file system
<b>xinetd</b>	Internet superserver. A program that can be used to start services by demand rather than have them running all the time.



**ypbind**  
**yppasswdd**  
**ypserv**

Client and server for NIS / "yellow pages" user authentication. This is the standard method to share user authentication information between several servers and clients.

**Trustix™**

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