

### Trustix™ Trustix OS- The Ultimate Linux

This datasheet outlines some of the advantages of running a Linux based server over proprietary software.

All the products in the Trustix™ suite of solutions are based on a hardened version of Linux called Trustix™ Operating System (Trustix™ OS)

Trustix™ Operating System is a scaled down distribution of Linux specifically targeted at servers. Packages have been specifically chosen for their suitability to the server platform. It features strong encryption and heavy duty multitasking capabilities

#### Advantages of running a Linux based server

**Low cost:** You don't need to spend time and money to obtain application licenses since much of its software come with the GNU General Public License. You can start to work immediately without worrying that your software may stop working anytime because the free trial version expires. Proprietary software involves renewing licenses annually. When considered over a period of years this represents a potentially crippling investment for businesses.

**Stability:** Linux doesn't need to be rebooted periodically to maintain performance levels. It doesn't freeze up or slow down over time due to memory leaks and such. Continuous up-times of hundreds of days (up to a year or more) are not uncommon.

**Performance:** Linux provides persistent high performance on workstations and on networks. It can handle large numbers of users simultaneously.

**Network friendliness:** Linux was developed by a group of programmers over the Internet. As a result, it has naturally developed strong support for network functionality. Client and server systems can be easily set up on any computer running Linux. It can perform tasks such as network backups faster and more reliably than alternative systems.

**Flexibility:** Linux can be used for high performance server applications and embedded systems. You can save disk space by only installing the components needed for a particular use. You can restrict the use of specific computers by installing for example only selected office applications instead of the whole suite.

**Compatibility:** It runs all common Unix software packages and can process all common file formats.

**Fast and easy installation:** Most Linux distributions come with user-friendly installation and setup programs.



**Full use of hard disk:** Linux continues work well even when the hard disk is almost full. This is in contrast to Windows based servers which suffer severe performance issues when disks approach capacity.

**Multitasking:** Linux is designed to do many things at the same time; e.g., a large printing job in the background won't slow down your other work.

**Security:** Linux is one of the most secure operating systems. "Walls" and flexible file access permission systems prevent access by unwanted visitors or viruses.

**Open source:** If you develop software that requires knowledge or modification of the operating system code, Linux's source code is at your fingertips.

**Patch Response Time:** Because Linux is open source, it has a much wider base of experts who are able to develop solutions to security or stability problems. The open source community acts as a supplement to the distribution's own development team, thus expanding the pool of expertise. If more people are available to 'attack' a threat, the final patch will be delivered more quickly.

**Faster ROI:** Linux based servers are more efficient at utilizing the hardware resources available to them. This means that they require machinery of a much lower spec (and therefore cost) in order to run a server of the same capabilities as traditional proprietary software. Whilst this may be a negligible consideration on a single server deployment, when considered in an enterprise with thousands of servers it can lead to savings of literally millions of dollars.

Linux beats Windows hands down on network features, as a development platform, in data processing capabilities, and as a scientific workstation.

Trustix™ Operating System ES is the most secure, server specific version of Linux on the market today.

**Trustix™**

New Court, Regents Place, Regents Road, Manchester, Salford, M5 4HB,  
United Kingdom Tel Sales: +44 (0) 161 874 7080  
Fax Sales: +44 (0) 161 877 1767

[www.trustix.com](http://www.trustix.com)

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