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1-866-GDLINUX

Guardian Digital EnGarde Secure Linux: Performance and Stability Meet Security

Users familiar with the history of Linux have become accustomed to its stability, versatility, and scalability. Now, with EnGarde Secure Linux, Guardian Digital has added unsurpassed security.

Engineered from the ground up with specific regard to security, EnGarde Secure Linux incorporates intrusion alert capabilities, a complete suite of e-business applications using AllCommerce, mail and DNS management for an entire organization, improved authentication and access control, strong cryptography, and complete SSL secure Web-based administration capabilities.

EnGarde Secure Linux is the perfect platform for developing an online presence that requires a high degree of security. EnGarde is a unique collection of the best open source tools available, coupled with the security and networking expertise of Guardian Digital.

Applications

Leveraging tools from the best open source security projects on the Internet, EnGarde forms a secure host platform for developing a firewall and proxy server, act as an intrusion detection device, and handle common Internet functions such as Web, DNS and electronic mail.

The centralized Web-based management and configuration features were designed for network service providers with managed services offerings. The Guardian Digital WebTool allows service providers to implement large- or small-scale secure Internet sites quickly, easily, and securely.

The Virtual Host manager provides the ability to perform all normal system administrative functions necessary to set up and manage a production Web site.

Support for the creation of SSL certificates, secure virtual domains and the ability to create complete e-business storefronts using AllCommerce marks EnGarde Secure Linux as the only open source platform that is completely e-business ready.

Management of thousands of electronic mail domains and Web sites can be controlled using the Guardian Digital WebTool, seamlessly integrating with DNS to make the process extremely easy.



The EnGarde Secure Alternative

EnGarde Secure Linux, a standards-based solution rich in eBusiness features, provides these key features and benefits:

- Advanced forms of data integrity management and assurance
- Host and Network Intrusion alert and prevention capabilities
- Complete e-business Web storefront development quickly and easily
- Provide electronic mail and domain name services for the entire organization
- Virtual Web site hosting, including CGI, SSL, perl, PHP and MySQL database support
- Remote access to e-mail using secure IMAP and POP
- Security control center that provides automatic notification of security and application updates
- Improved authentication and access control utilizing strong cryptography

Open Source eBusiness Solutions

EnGarde Secure Linux was created by Guardian Digital, Inc., the first full-service open source security company. Guardian Digital is focused on the intelligent growth of secure open source security solutions for Linux, including the Guardian Digital Linux Lockbox, a secure turnkey Business server appliance featuring specially-optimized and configured EnGarde.

Guardian Digital EnGarde Secure Linux

Security issues are a critical component of doing business on the Internet, especially among data-sensitive businesses. Guardian Digital fills the void for applications that are used in areas where security, reliability, and data integrity are of the utmost importance.

EnGarde Secure Linux addresses the needs of small organizations wishing to develop a secure Internet presence, as well as large organizations wishing to conduct eBusiness on the Web.

EnGarde utilizes the principle of least privilege. The secure design employed in EnGarde acknowledges the possibility of undiscovered flaws, and takes steps to minimize the security impact these flaws can have. Every part of the system has been closely examined to ensure the programs run with only the privilege it needs and no more.

Additionally, programs that are not directly essential to normal operation are either not enabled by default or simply not included at all. EnGarde users can easily customize the default installation with their favorite applications above what is included from the wealth of pre-existing tools from the Internet.

Specifications

Easy to use, robust, and highly secure, EnGarde is built on the latest stable technology and includes all the components necessary to manage all Internet functions:

- Electronic Mail:** Route and receive mail for thousands of domains using Postfix
- GD WebTool:** Secure Web-based complete system administration using the Guardian Digital WebTool
- DNS Server:** Manage domain name services using BIND version 8
- eBusiness:** Complete eBusiness Web storefront development using AllCommerce and automatic store creation using the GD WebTool
- Network Intrusion Detection:** Perform network intrusion detection functions using Snort.
- SSL and Certificates:** Generate and manage SSL certificates using the GD WebTool and OpenSSL
- Host Intrusion Detection:** Manage system integrity with Web-managable open source Tripwire, the Linux Intrusion Detection System, and the Openwall kernel patch. Implement advanced access control lists using the Linux IntrusionDetection system and the GD WebTool
- Remote Connectivity:** Manage secure remote access using OpenSSH and Java SSH client, and key management with the GD WebTool
- Mail Access:** Remote access to e-mail using SSL-enabled IMAP and POP
- Web Site Development:** Virtual Web site hosting, including CGI, the latest stable versions of perl, PHP4, and MySQL database support
- Operating System:** Kernel 2.2.19 with several security-enhancement patches and ready for the latest 2.4 kernels
- Standards Compliant:** Strives for Linux Standards Base compliance, and supports a wide range of existing programs packaged using the RPM system.