

Server Secure™ Peace of Mind, Absolutely Free.

Server Secure™ is an exclusive Alojate.com service which is designed to save you both time and resources. This initial setup option provides many additional services and modifications to the default Operating System and C Panel installation which *greatly enhances the security, reliability, and compatibility of your server and software*. What would have normally taken you hours of installation work, or the hiring of an outside systems administrator, is now done for you by Alojate.com. Your server is locked down, ready to run, as soon as you receive it.

Enhance the
Security & Reliability
of your Server.



Featured **Server Secure™** Services

FIREWALL PROTECTION



Advanced Policy Firewall (APF) is installed and configured. Ports which are not used by C Panel are fire walled off to maximize the security of your server, the TCP/IP stack is hardened, and ICMP rate limiting is enabled to prevent D o S attacks. Additionally, Brute Force Detection (BFD) is installed which detects brute force attacks against your server and automatically denies access to attackers.

Alojate.com also enables more security features to defend against SYN based D o S attacks, DNS poisoning and spoofing protection.

ANTI-SPAM / ANTI-VIRUS PROTECTION



Real time Black hole List (RBL) filtering is configured for anti-spam protection on your server. The configuration, and combination of nearly 10 blacklists, is designed to maximize spam filtering while keep false positives to an absolute minimum. Alojate.com maintains local mirrors of these blacklists for maximum server performance. Updates are made approximately every 30 minutes to ensure your server is constantly protected.

HTTP INTRUSION PROTECTION



Mod Security intrusion detection and prevention engine is installed for Apache. This module increases web application security, protecting web applications from both known and unknown attacks. The customized rule set Alojate.com provides protects from a wide variety of common http attacks, such as PHPBB exploits. If a new exploit is released, your server can be protected in as little as 15 minutes as we push out rule set updates.

SERVER HARDENING



Besides our initial system audit, which ensures proper installation of the Operating System and control panel and all packages are at the latest patch level, Alojate.com performs many other security tweaks to your server. Temporary directories and shared memory locations are secured to prevent against rogue files being uploaded or executed on the system. All unnecessary services are disabled, and unused packages are removed. Fetching programs, which are commonly used in exploit attempts, are restricted to super user access only. SSH is hardened, and kernel operating variables are tweaked to add additional security without impacting any use of the server. For a full list of performed services, please see below.

HTTP DOS PREVENTION



Mod Evasive is installed for Apache. This module provides evasive action in the event of HTTP DoS or DoS attack or brute force attack and works well in both single-server script attacks as well as distributed attacks.

Attacking hosts are blocked temporarily from Apache while legitimate requests are allowed through.

DAILY SECURITY AUDITS



Alojate.com installs our own security scripts which run daily to look for signs of system intrusion or exploits which could threaten the health of your system. Root kit Hunter and Chkrootkit are also installed and scan the system daily. If any anomalies are discovered, our technicians are alerted and can manually investigate to ensure your server is secure.

Full List of ServerSecure™ Services

SERVER HARDENING & SECURITY

ADVANCED POLICY FIREWALL (APF)	Advanced Configurable firewall to block off unused ports and increase system security.
BRUTE FORCE DETECTION (BFD)	Detects and blocks brute force attacks.
CLAM AV ANTI-VIRUS FOR EMAIL	Clam AV scans incoming and outgoing email for viruses, worms, and Trojans.
ANTI-SPAM FILTERING	Real time Black hole List (RBL) filtering is enabled using custom Alojate.com rule sets.
CHKROOTKIT	Looks for commonly used root kits, backdoors, and exploits. Also checks for other signs of intrusion.
ROOTKIT HUNTER	Looks for commonly used root kits, backdoors, and exploits. Also checks for other signs of intrusion, and tests system binaries.
MOD_EVASIVE	DoS and brute force prevention for Apache.
MOD_SECURITY	HTTP Intrusion Protection System for filtering exploits.
DISABLE UNNECESSARY PROCESSES	Disables any services which are not needed for normal system operation.
REMOVE UNNECESSARY PACKAGES	Removes any extraneous packages to remove potential attack and DoS vectors while reducing system footprint.
SECURE TEMPORARY DIRECTORIES	Secure /tmp, /var/tmp and other directories to prevent against unauthorized binary upload and execution.
SECURE SHARED MEMORY	Secures /dev/shm to prevent against unauthorized binary upload and execution.
SECURE DIRECTORY PERMISSIONS	Strengthens file permissions on many world-writable directories.
SSH HARDENING	Hardens SSH server to prevent against possible attack vectors.
RESTRICT USE OF FETCHING PROGRAMS	Restricts commonly used fetching programs, such as wget, to super user access to prevent their use in many common web attacks.
DAILY SECURITY AUDIT	Custom Alojate.com security scripts are installed to report on possible security issues.
HOST CONFIGURATION HARDENING	Hardens host against spoofing and DNS cache poisoning.
PAM RESOURCE HARDENING	Enforces PAM resource limiting to prevent against attacks.
SYSCTL HARDENING	Modifies kernel operating values to strengthen TCP/IP stack against various attacks including syn floods.

APPLICATIONS

IMAGEMAGICK	Graphics software package commonly used by many web applications.
NETPBM	Graphics software package commonly used by many web applications.
MOD_GZIP	Compresses HTTP traffic to speed up web-browsing times for your visitors.
APACHE RECOMPILATON	Recompiles Apache with commonly used Apache and PHP modules and settings for maximum performance and compatibility.
MYTOP	MySQL TOP - tracks MySQL usage in an interface similar to the Unix 'top' command.
IPTRAF	Detailed command-line bandwidth statistics tracking utility.
IFTOP	Command-lin utility to see track bandwidth usage based on connecting hosts.

INITIAL SYSTEM AUDIT

SERVER STRESS TEST	Stresses CPU, Memory Subsystem, I/O Subsystem, Hard Disks for quality control and compatibility purposes. Standard on all Alojate.com servers.
MEMORY TEST	Determines memory is free from any errors which could cause stability issues. Standard on all Alojate.com servers.
OPERATING SYSTEM UPDATE CHECK	Ensures all Operating system components are functional and up-to-date.
WHM CONFIGURATION CHECK	Ensures WHM has been installed and configured.
KERNEL UP DATE CHECK	Ensures kernel is at the latest OS-release version.
BACKUP CONFIGURATION	Ensures backups have been configured to the backup drive in your server or remote backup space



Uptime Guarantee

At Alojate.com, Technical support means more than just an unresponsive support email address. Alojate.com is our total commitment to your server's reliability and up-time backed by an industry leading Service Level Agreement (SLA). This means that in the unlikely event that a problem occurs, Alojate.com agrees to proactively repair the issue, provide complete communication and you will be amply compensated for up-to ten times the amount of the actual down-time