

30K+ installs | 4000+ Partners | Unlimited Support

MAKING YOUR LINUX SECURE, STABLE & PROFITABLE

CloudLinux OS Overview

WHO WE ARE

We are  CloudLinux

- Founded in 2009
- Headquartered in Arcadia, CA with a development team in Ukraine
- Stable, profitable, privately funded
- Staff of 100+
- Expertise in the Linux hosting and datacenter market and with technical depth in hosting, kernel development and open source



85 000+ installs | 4 000+ Partners
Unlimited Support



Average shared hosting server hosts 500-600 tenants

Each can be a '*Bad Neighbor*':

- Rapidly and unknowingly overuse resources on the server and slow down all other sites
- Run unstable scripts, spam, bridge permissions
- Distribute malware and viruses, and attack other sites and users

High Cost of 'Bad Neighbors'

Abuse resources, slow down
servers

Bring down the server altogether

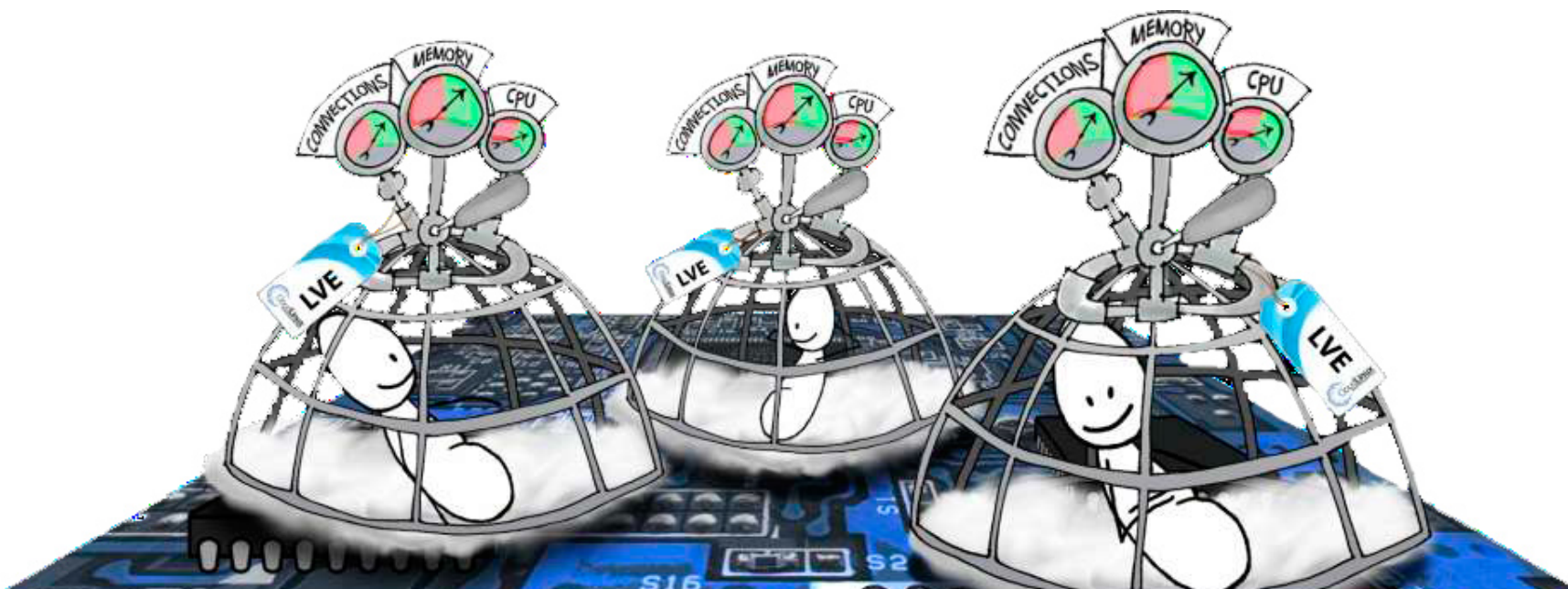
Cause major security issues



Put an End to 'Bad Neighbors'

Isolate tenants by creating a Lightweight Virtual Environment (LVE)

- Partition, allocate, and limit resources for each customer
- Cage customers to avoid security breaches



CloudLinux OS is making your shared server behave like a virtual one, but with a very high density of tenants

CloudLinux works with **most software** commonly used with
CentOS and **RHEL** in the shared hosting industry



Easy to Deploy and Learn

Run a **single script** to convert existing servers

- No customer data changed
- No customer configs changed

CentOS look-a-like:



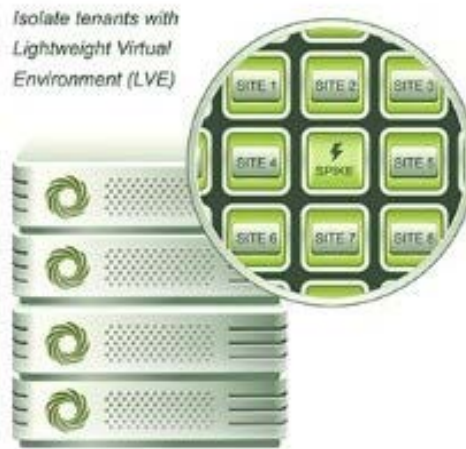
CentOS



- Admins feel right at home
- Same commands
- ... plus additional tools

30K CloudLinux OS servers in the world, most of them run cPanel

Kernel-level technology sets resource limits per tenant. They can never use more than what's given to them!



Get full control over:

- ✓ CPU
- ✓ Memory
- ✓ IO
- ✓ Concurrent Connections
- ✓ Number of Processes
- ✓ Inodes (for cPanel only)

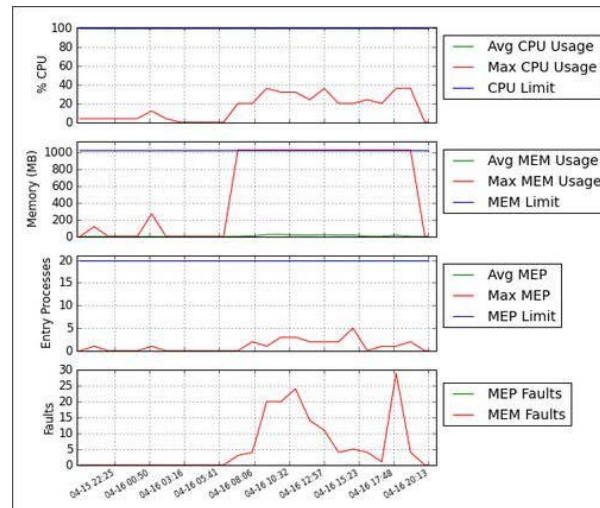
**Prevents traffic spikes and
'bad neighbor' effect**

Live Indicators

Customer is provided with exact information on how much resources they are using right now, as well as historically

Stats	
Main Domain	pokemonstars.com
Home Directory	/home/pokemons
Last login from	118.97.95.22
CPU Usage	50 / 100 % <div><div></div></div>
Memory Usage	262144 / 262144 KB <div><div></div></div>
Entry Processes	1 / 50 <div><div></div></div>
Disk Space Usage	308.37 / 500 MB <div><div></div></div>
Monthly Bandwidth Transfer	8870.01 / 50000 MB <div><div></div></div>

Be transparent with your customers



STABILITY

SECURITY

PROFITABILITY

PERFORMANCE

MySQL Governor

Monitor and operate MySQL usage in shared hosting environment

- *Done via resource usage statistics per each MySQL thread*
- *Tracks exact CPU and IO usage in REAL TIME*



**Detect and throttle abusers in
REAL TIME !**

STABILITY

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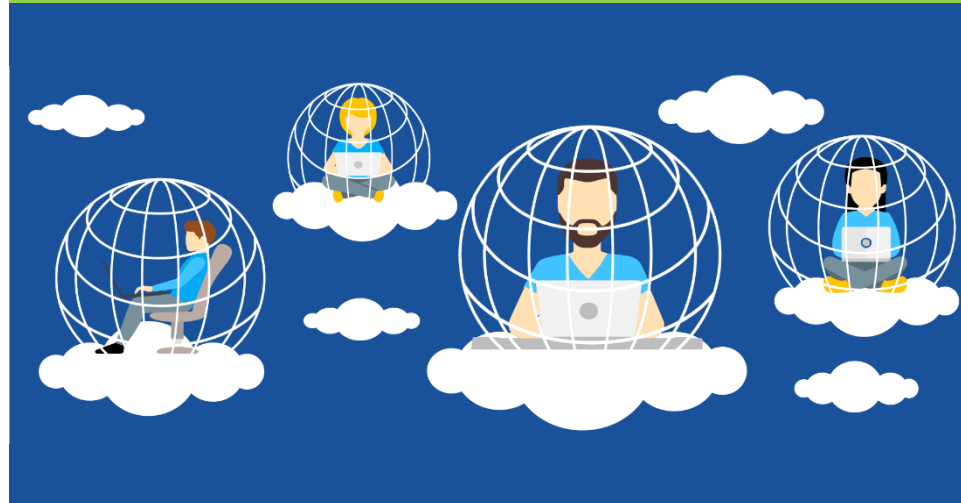
PERFORMANCE

CageFS

Virtualized file system and set of tools that locks each user in its own 'cage'

- Only safe binaries are available to user
- User **will not see any other users**, and no ability to detect presence of others & their user names on server
- User **will not be able to see server config** files, such as Apache config files
- User **will have limited view of /proc file system**, and will not be able to see other user's processes

Isolate users from each other



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SecureLinks

SecureLinks is a kernel-level technology that **prevents all known symbolic link attacks**, which enhances the security level of the servers even further

STABILITY



SECURITY



PROFITABILITY



PERFORMANCE

WE ALL PHP

Offer PHP 4.4, 5.1-5.6, 7.0
on ONE SERVER

Change Version Current Version Change php.ini settings

Current PHP version: 5.2

PHP Version 5.2 Set as current Show PHP Settings

<input type="checkbox"/> apc	<input type="checkbox"/> gender	<input type="checkbox"/> mcrypt	<input checked="" type="checkbox"/> posix	<input type="checkbox"/> tidy
<input checked="" type="checkbox"/> bcmath	<input checked="" type="checkbox"/> geopip	<input type="checkbox"/> memcache	<input type="checkbox"/> pspell	<input type="checkbox"/> timezonedb
<input type="checkbox"/> big_int	<input type="checkbox"/> hidef	<input type="checkbox"/> memcached	<input type="checkbox"/> quickhash	<input type="checkbox"/> translit
<input type="checkbox"/> bitset	<input type="checkbox"/> htscanner	<input type="checkbox"/> mongo	<input type="checkbox"/> radius	<input type="checkbox"/> uploadprogress
<input type="checkbox"/> bloomy	<input type="checkbox"/> huffman	<input type="checkbox"/> msgpack	<input type="checkbox"/> recode	<input type="checkbox"/> uuid
<input type="checkbox"/> bz2_filter	<input type="checkbox"/> idn	<input type="checkbox"/> mssql	<input type="checkbox"/> rsync	<input type="checkbox"/> wddx
<input type="checkbox"/> coin_acceptor	<input type="checkbox"/> igbinary	<input type="checkbox"/> mysql	<input checked="" type="checkbox"/> snmp	<input type="checkbox"/> xcache
<input type="checkbox"/> crack	<input type="checkbox"/> imagick	<input type="checkbox"/> mysqli	<input type="checkbox"/> soap	<input type="checkbox"/> xdebug
<input checked="" type="checkbox"/> curl	<input checked="" type="checkbox"/> imap	<input checked="" type="checkbox"/> ncurses	<input type="checkbox"/> sourceguardian	<input checked="" type="checkbox"/> xmlreader
<input type="checkbox"/> dba	<input type="checkbox"/> included	<input type="checkbox"/> oauth	<input type="checkbox"/> spl_types	<input type="checkbox"/> xmlrpc
<input type="checkbox"/> dbase	<input type="checkbox"/> inotify	<input type="checkbox"/> odbc	<input type="checkbox"/> ssh2	<input type="checkbox"/> xmlwriter
<input type="checkbox"/> dbx	<input type="checkbox"/> intl	<input type="checkbox"/> pdo	<input type="checkbox"/> stats	<input type="checkbox"/> xrange
<input type="checkbox"/> dom	<input checked="" type="checkbox"/> ioncube_loader	<input type="checkbox"/> pdo_mysql	<input type="checkbox"/> stem	<input type="checkbox"/> xsl
<input type="checkbox"/> doublemetaphone	<input type="checkbox"/> json	<input checked="" type="checkbox"/> pdo_odbc	<input type="checkbox"/> stomp	<input type="checkbox"/> yaf
<input type="checkbox"/> eaccelerator	<input type="checkbox"/> ldap	<input type="checkbox"/> pdo_pgsql	<input type="checkbox"/> suhosin	<input type="checkbox"/> zend_optimizer
<input type="checkbox"/> enchant	<input type="checkbox"/> lzf	<input type="checkbox"/> pdo_sqlite	<input type="checkbox"/> sysvmsg	<input type="checkbox"/> zip
<input type="checkbox"/> fileinfo	<input type="checkbox"/> mailparse	<input type="checkbox"/> pgsql	<input type="checkbox"/> sysvsem	
<input type="checkbox"/> gd	<input type="checkbox"/> mbstring	<input type="checkbox"/> phar	<input checked="" type="checkbox"/> sysvshm	

Save Use Defaults Enable PHP extensions

Save selected extensions Use default set of extensions

- Allows end users to select PHP versions 4.4, 5.1, 5.2, 5.3, 5.4, 5.5 and 5.6, 7.0
- Allows to choose from more than 120 PHP extensions UI to manage php.ini settings

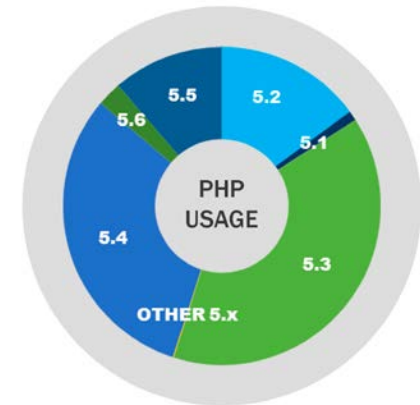
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PERFORMANCE

HardenedPHP



About 85% of all PHP sites use highly popular PHP versions - 5.2, 5.3, and 5.4

- Maintains and patches old PHP versions not patched by the PHP.net community, making them secure again - 4.4, 5.1, 5.2 & 5.3, 5.4
- **Over 100 vulnerabilities**, many were critical, have been discovered and **all** have been patched by CloudLinux OS

Do not force customers to
re-write old scripts or
break their sites

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WE ALL RUBY

Supports 1.8, 1.9, 2.0, and 2.1 & 2.2 Ruby versions

- Allows end users to choose the Ruby version for application
- Allows end users to install additional modules (gems) to the application environment
- Ruby Selector uses mod_passenger for optimum performance

WE PYTHON

- Allows end users to choose the Python version as an application
- Allows end users to install additional modules
- Python Selector uses mod_passenger to get the best performance from Python applications

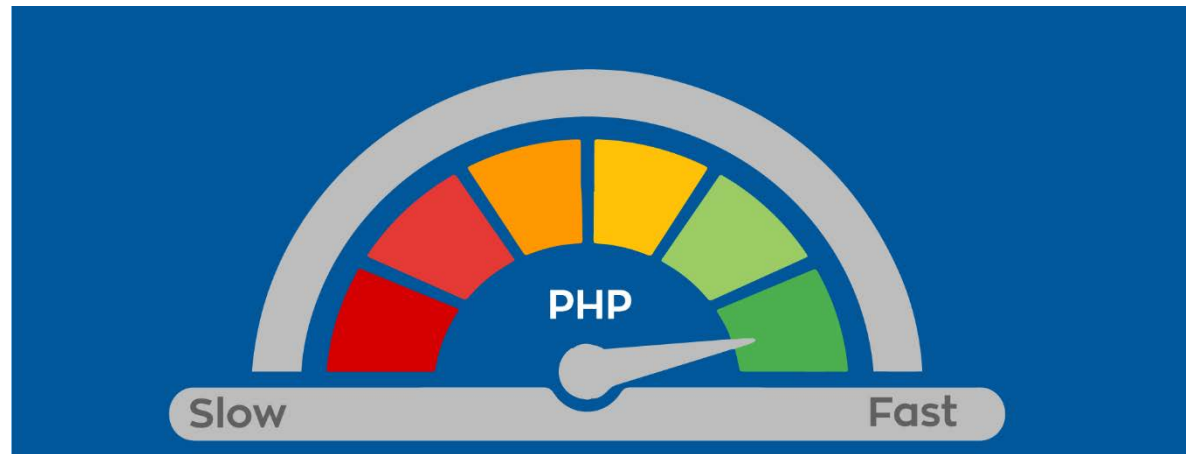
Doubles IO Throughput BEST FOR WORDPRESS, JOOMLA HOSTING, ETC.

- ✓ Creates cache of duplicate files (best for WordPress, Joomla and other popular software)
- ✓ All duplicates get loaded from a singular copy of the file, creating only one instance in system cache
- ✓ System bypasses disk IO for duplicates, significantly improving the speed of reading that file, decreases memory footprint, while lowering load on the hard disk

Customers Reported:

- ✓ 30% drop of average system CPU usage
- ✓ 52% drop of average IO wait
- ✓ 25% drop of average CPU usage
- ✓ 50% drop of average disk utilization
- ✓ Up to 20% latency improvements for popular

- New way to serve PHP from Apache faster than mod_php, FCGID, and PHP-FPM
- Lower memory footprint
- Opcache compatible PHP
- Selector compatible PHP
- Options in .htaccess



What CloudLinux OS can do for YOU



Simplified Server Administration



Top of the line server monitoring and resource control tools



Improved Customer Satisfaction



Multiple PHP versions, ultimate stability & security



Increased Server Profitability & Customer Retention



Reduced load averages, increased performance
Host more customers on one server!

STABILITY



SECURITY



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PERFORMANCE

Thank you!



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