LiteSpeed

App Server & Load Balancer

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LiteSpeed Load Balancing & App Server

LiteSpeed is an excellent choice for ISVs and SMEs looking to increase performance, security and availability of large production environments

LiteSpeed Load Balancer is the first ADC with HTTP/2 & HTTP/3 QUIC integration, ESI Caching, and more

LiteSpeed Web Server offers a combination of cutting-edge features, outstanding scalability, best-in-class performance, Apache compatibility and application-level cache acceleration

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LiteSpeed Web Server Main Features

Event Driven Architecture

Apache Drop-In Replacement

HTTP/2 & QUIC Support

Zero Downtime Maintenance

CloudLinux Integration

Fastest PHP Available

Hosting Control Panel Compatible

Unlimited Concurrent Connections

Mod_Security Compatible

- Event-driven architecture capable to handle thousands of concurrent clients with minimal memory consumption and CPU usage
- Protect servers with mod_security rules + built-in anti-DDoS features, such as bandwidth and connection throttling
- Reduce the number of servers needed to support growing business
- Reduce complexity by eliminating the need for an HTTPS reverse proxy or additional 3rd party caching layers

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LiteSpeed Web Server Management

Easy Installation

Install and Uninstall LiteSpeed Web Server

Version Management

Upgrade LSWS to latest version, switch between versions

Port Offset

Fully test web apps by running LSWS on a different port

One-Click Switch

Easily switch between Apache and LSWS with one click

PHP LSAPI

Build PHP with LSAPI to match your Apache PHP

Server Restart

Restart your LiteSpeed Web Server

License Management

Check license status, migrate licenses, and more

WebAdmin Portal

Easy access to LiteSpeed WebAdmin console

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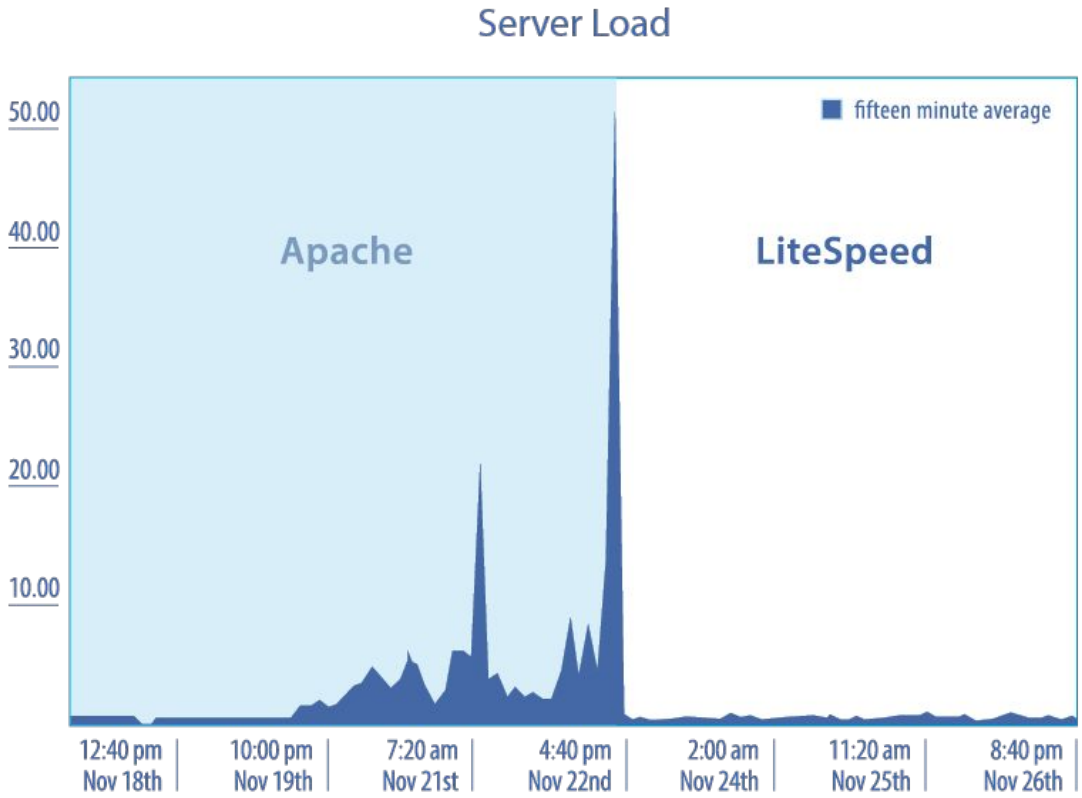
Overperforming LiteSpeed Web Server



LiteSpeed Web Server's revolutionary architecture delivers more performance from your existing infrastructure, typically cutting server load in half and improving TTFB by 3x.

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LiteSpeed Web ADC Main Features

LSCache with ESI

Edge Side Includes allows caching of dynamic content

High Availability IP Failover

Reliable access to all data, even if a server goes down

Cross Data Center Replication

Provides real-time, asynchronous replication across data centers

Cutting Edge Features

Supports QUIC, HTTP/2, TLSv1.3, TCP_FASTOPEN, and more

Web App Acceleration

Best customizable acceleration for WordPress, Magento, and more

Layer 7 Anti-DDoS Filtering

Vigilantly detects and thwarts attacks in progress

Flexible Load Distribution

Highly configurable, can match virtually every deployment

Simplified Deployment

ZeroConf consolidates cluster configuration, reduces complexity

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LiteSpeed Licensing

- Fixed price for any usage within the tier
- Based on cloudlets usage
- Free license for 16 cloudlets per environment

Name	Reserved Cloudlets	Dynamic Cloudlets	Paid Storage	Paid Traffic	Cost (USD)
12 Mar 2019 | 23:00					**0.14**
env-3242160					0.14
CP (2276)	16	0	0 GB	0 MB	0.0336
CP (2278)	16	0	0 GB	0 MB	0.0336
CP (2280)	16	0	0 GB	0 MB	0.0336
BL (2281)	1	0	0 GB	0 MB	0.0084
CP (2276) License: up to 64 cloudlets					0.15
CP (2278) License: up to 64 cloudlets					0.15
CP (2280) License: up to 16 cloudlets					0.00

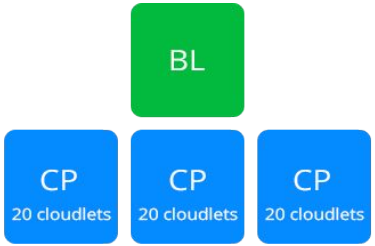
Additional tariff based on Cloudlets

64- ∞ price 0.1

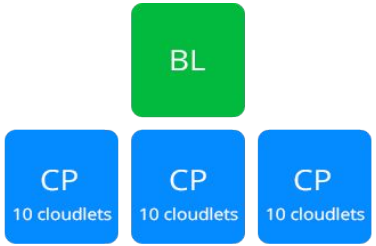
16 - 64 price 0.15

16 FREE

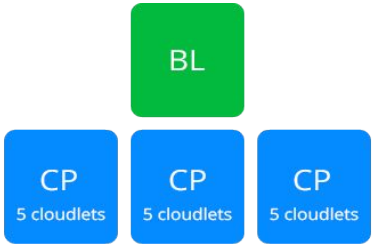
LiteSpeed Price Calculation Example



Price: 0.15+0.15+0.15=0.45



Free+0.15+0.15=0.3

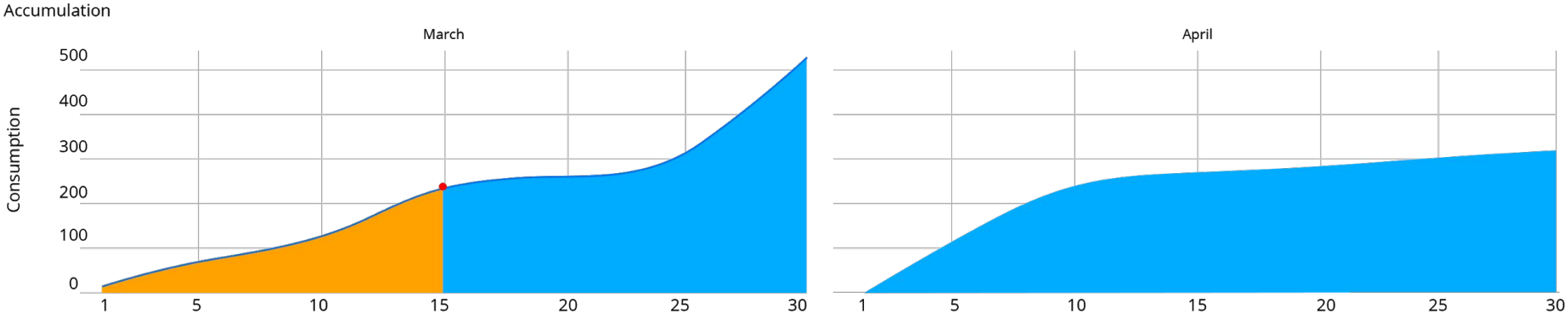


Free+Free+Free=0

$$price = \sum_{i=0}^{n} \lambda(a_i)$$

n - max nodes count in node group
a_i - resource usage of i node
λ - function that returns tier price for corresponding value
also may return first free tier for resource usage that is < some value,
free tier is the same for the whole node group

Built-In Billing for Commercial Software



$$\text{tier} = \lambda\left(\sum_{i=1}^{n} a_i\right)$$

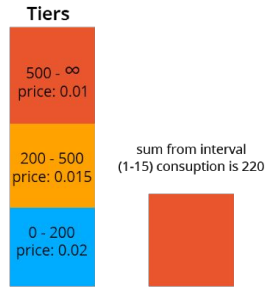
λ - function that finds a tier by value
a- array with data consumption per hour
n - hour of the month

tier for 220 consumption : 200-500 with price 0.015

$$price = \text{tier} \cdot \sum_{i=1}^{n} a_i$$

n - hour of the month
a- array with data consumption per hour

price for hour at 15 of March : 0.015*220 =3.3



Built-In Billing for Commercial Software

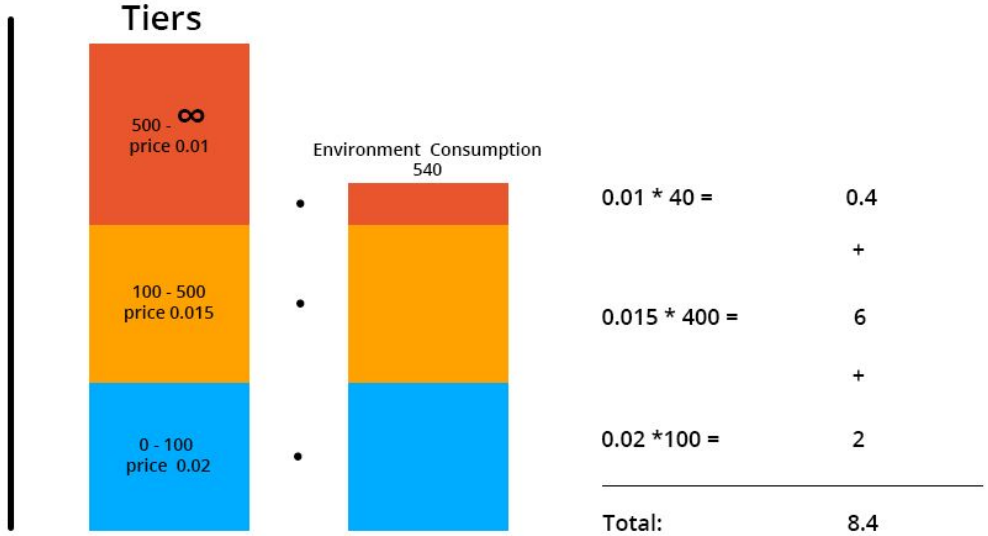
Blended

$$price = \sum_{i=1}^{n} t_i \cdot a_i$$

t_i - tiers array

a_i - resources array

n - resources array size

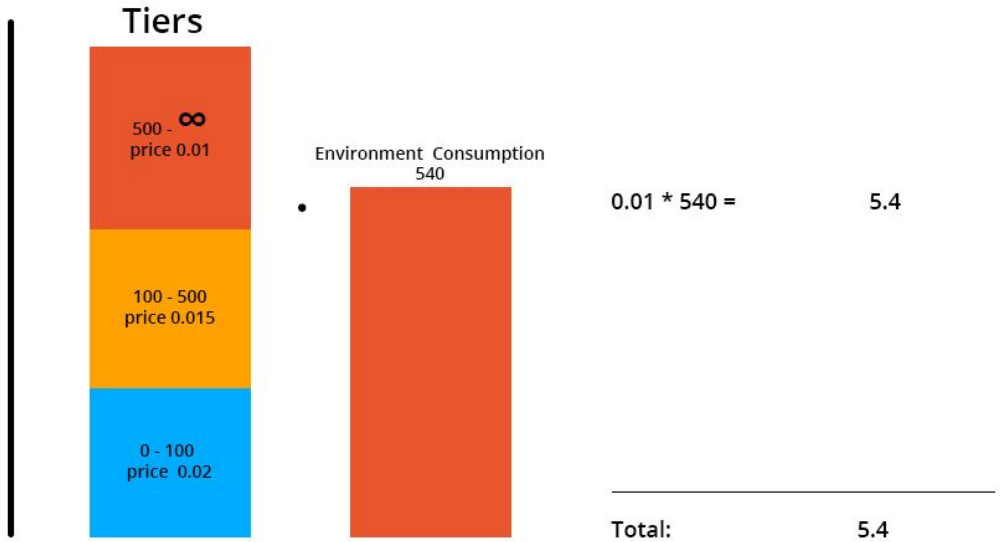


Built-In Billing for Commercial Software

Standart

$$price = t \cdot a$$

t - corresponding tier
a - resource consumption

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