CLOUD SERVERS

LeaseWeb Cloud Servers provide highly scalable infrastructure that offers full redundancy from any hardware failure, which increases the agility, flexibility, and efficiency of your business.

Our highly scalable cloud servers offer virtualized compute resources that benefit from fast network-attached storage and fully redundant architecture—with your own virtual internal network.

This virtual network contains all your deployed instances, and enables them to communicate with each other through private IP addresses. This means none of your internal traffic goes through the Internet, which enables your back-end systems to communicate freely via private IPs. All the traffic inside this network is free of charge—you only pay for the traffic to and from your public IP addresses.

This product also features a software-based load balancer, which supports a variety of rules to balance your traffic. These range from simple traffic balancing rules, to more advanced rules that contain sticky policies specifically designed for web applications. This enables you to optimize the use of your cloud resources, maximizing accessibility, and minimizing server response time.

Take advantage of increased scalability, while we take care of the hardware and infrastructure. This allows you to focus on the things that matter to you; delivering your products and services to your customers without having delay time-to-market because of legacy hardware requirements.

FEATURES

Our public cloud platforms utilize enterprise hardware and open-source technology. Our commitment is to deliver excellent quality at competitive rates—every aspect of our infrastructure reflects this commitment.

Software-based load balancer

To help you easily scale your cloud infrastructure, you can add a software-based load balancer to your cloud platform for a nominal fee. Load balancing lets you have multiple instances handling the same application or website. Whenever you need to scale, you can easily add instances to your virtual internal network—and let the load balancer take care of dividing the traffic. You can configure rules for a multitude of protocols and ports via our customer portal.
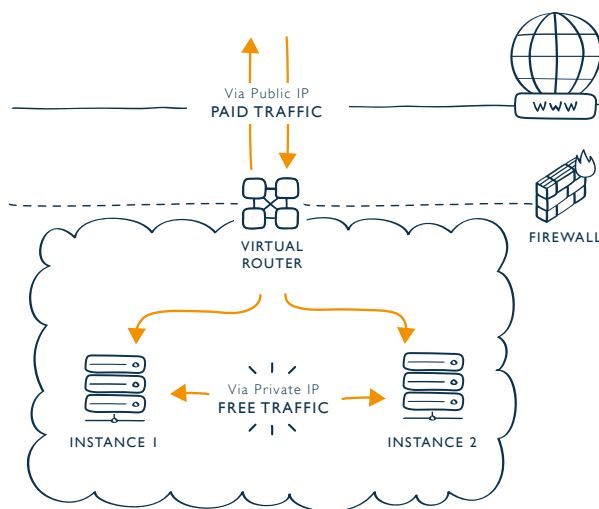
Enterprise-class hardware

Just because our prices are competitive, it does not mean we cut corners on the hardware we use. We always use leading-brand servers from vendors like Dell, HP, and IBM—we choose between them by judging performance and quality. All components within our platform are equipped with redundancy in mind, so even in the odd case of hardware failure; you only experience the absolute minimum amount of downtime.

State-of-the-art network

Our public clouds connect to the LeaseWeb Premium Network, which includes access to 33 IXs and 52 PoPs, provides a core uptime of 99.9999%, with an available bandwidth of 4.0 Tbps. All our cloud setups connect to different physical routers using multiple 10GE connections. We also implement all networking equipment at least twice within our cloud pods to ensure that any hardware failure on switches or routers does not affect your services.

Redundant storage

To ensure a high-performance service, we built our public cloud on enterprise-class central storage systems. We designed our storage with redundancy and performance in mind, storing all of your data twice over different racks. We use the fastest enterprise SAS drives available—and mirror them to double their performance. In case you need a short performance boost, the SSD caching layer will give you exactly what you need.

POWERFUL CUSTOMER PORTAL

You access our public cloud services through our full-featured customer portal, which gives you complete control over your cloud servers, including:
- Instance management
- IP address management
- Null-routing IPs with historical overviews
- Network data-traffic graphs and reports
- SLA upgrades
- Load balancer and firewall configuration
- Bandwidth and data-traffic notification set-ups

PRIMARY USE CASES
- **Development:** readily create various environments to test and develop new applications
- **Websites:** host enterprise-grade web sites that require load balancing rules to divide traffic

Via Public IP
PAID TRAFFIC

WWW

FIREWALL

VIRTUAL ROUTER

Via Private IP
FREE TRAFFIC

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