Leaseweb Public Cloud

Leaseweb Public Cloud Instances are virtual servers that provide a range of options for different types of workloads, including General Purpose, Compute Optimized, and Memory Optimized. Each instance belongs to a specific family, which determines the computational specifications assigned to it, such as compute power, storage, and network capabilities. You can choose to pay for these instances on an hourly or monthly basis.

Leaseweb Public Cloud is built on secure infrastructure and is supported by our Premium Network. It offers user-friendly and reliable cloud solutions.

Why Choose Leaseweb Public Cloud?

Rapid Deployment and Easy Operation:
Leaseweb Public Cloud empowers customers to kickstart their cloud journey in mere seconds. Simply select the ideal instance type, size, necessary storage, and preferred data center using APIs or our Customer Portal.

Cost Optimization:
Leaseweb offers versatile billing options to cater to your budget and needs. Opt for the pay-as-you-go on-demand (hourly) billing to enjoy flexibility without long-term commitments; or commit to a reserved (monthly) plan to further optimize your costs. Plus, you have the freedom to switch between these options as your requirements evolve. Additionally, we offer different vintages allowing customers to select cheaper options that can significantly lower costs.

Cost Efficiency:
Our transparent pricing model puts you in control of your expenses. Say goodbye to upfront investments in hardware and software licenses, as well as the pitfalls of overbuilding and overprovisioning your data centers. Leaseweb Public Cloud lets you minimize capital and operating costs without compromising on performance.

Exceptional Performance:
Leaseweb offers a range of CPU family options, each tailored to specific CPU and network architectures. Older vintages are perfect for those seeking cost savings, while the latest vintages ensure top-notch performance. Additionally, we provide various storage options, including network-attached Central SSD storage with built-in redundancy and local NVMe storage with great performance and minimal latency.

Hybrid Cloud Capabilities:
Leaseweb facilitates the creation of hybrid cloud solutions with private networking capabilities. Our Private Network feature empowers you to establish and define private networks between your public cloud instances and dedicated servers.

Simplified Automation:
Streamline your infrastructure management with Leaseweb Public Cloud through our robust API and tooling integration. Automate routine tasks and processes, making your cloud operations more efficient and allowing you to focus on what matters most – your business.

Features

• Versatile Instance Options:
Leaseweb offers a wide range of instance types, including General Purpose, Compute Optimized, and Memory Optimized, with varying vCPU-to-memory ratios. Choose from predefined instance sizes, ranging from 1 vCPU and 3 GB memory to 96 vCPUs and 768 GB memory, to meet your specific workload requirements.

• State-of-the-Art Network:
Leaseweb public cloud instances are connected to a cutting-edge network infrastructure, ensuring exceptional reliability and connectivity. Our network features redundancy on all routers including dual-vendor redundancy and is backed by six top Tier-1 transit providers along with private and public peering. It boasts an impressive 10+Tbps bandwidth capacity and delivers three nines uptime.

• Operating System Support:
Leaseweb supports both Linux and Windows operating systems, offering the latest software versions, including CentOS, Almalinux, Rocky Linux, Debian, FreeBSD, Ubuntu, and Windows. You can easily choose the operating system that best suits your needs.

• Flexible Root Disk Storage:
Leaseweb public cloud is built on enterprise-grade central SSD or local NVMe root disk storage, providing increased reliability and reduced latency for critical cloud applications. You can expand root disk storage up to 1 TB central storage as needed.

• Load Balancer:
Leaseweb Public Cloud offers load balancing solution, ensuring even distribution of TCP, HTTP and HTTPS traffic across your web server instances for optimal performance and high availability. With load balancing, you can achieve excellent performance of your apps, latency reduced, and quicker responses to user requests.

• Auto scaling:
Effortlessly match resources to demand, saving costs and ensuring optimal performance. Create your template from existing instances and customize auto-scaling with manual, scheduled, or CPU-based options to meet your exact needs.

• Snapshots:
Every instance comes with built-in snapshots that ensures a safe roll back point to minimize errors when making major changes such as installing, uninstalling certain software or components, or testing applications. Normally, it is saved as a separate file, which you can later use to restore your Public Cloud to its previous state.

• Firewall Filtering:
Leaseweb provides a free Basic Firewall service for all public cloud instances. This network-based firewall service supports TCP, UDP, and ICMP traffic blocking. This means that when activated, the firewall blocks all traffic except that explicitly permitted by defined firewall rules.

• DDoS Protection:
Standard DDoS protection is included with every public cloud instance. Leaseweb employs globally located detectors to shield your servers from volumetric and protocol-based DDoS attacks to ensure minimal impact on end-users.

• User-Friendly Interface:
The Leaseweb customer portal offers a straightforward interface for managing your IT infrastructure, providing a suite of tools for efficient management.

• Powerful APIs:
Leaseweb APIs are designed to be compatible with AWS EC2, enabling you to control all your public cloud instances. You can use these APIs to list instances, retrieve information, manage power states, perform reboots, reinstalls, and access administrative details.

• Custom Images:
Create and deploy instances with the same software stack and security configuration, reducing errors and speeding up time to market. This feature is ideal for auto-scaling, testing in production-like environments, and disaster recovery, ensuring minimal downtime and consistent performance.

Why Choose Leaseweb?

At Leaseweb, we take pride in being the global yet local infrastructure provider that offers a personalized and flexible approach to meet your specific needs. Our commitment to delivering the best price-to-performance ratio makes us the top choice for thousands of companies worldwide, entrusting us with their mission-critical applications. With Leaseweb, you are not just getting a cloud service, you are gaining a trusted partner dedicated to your success.

🌐 www.leaseweb.com
✉ sales@leaseweb.com

📞 NL: +31 20 316 2880
    UK: +44 20 3318 5594

USA: +1 571 814 3777
DE: +49 69 2475 2860

SG: +65 3158 7350
CA: +1 888 909 4932

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