Akamai Cloud Computing

Build, deploy, and secure performant applications

Enterprise IT teams must meet a large and growing number of requirements, from application performance to infrastructure scaling to security and data sovereignty. Addressing these needs requires a variety of location, functionality, and capacity options a single provider is unlikely to be able to offer. As a result, most organizations use multiple clouds but in an unplanned, inefficient way that leads to sprawl, lock-in, and budget challenges.

Realizing the full ROI of a cloud investment requires considering the strengths of each provider and shopping each workload with those strengths in mind. The Akamai Cloud Computing platform doesn't require specialized tools and skill sets and leverages our award-winning customer support whenever you need it at no extra cost. With Akamai Cloud Computing, you can optimize your budget, performance, and resources while partnering with a proven brand you can trust — making it the perfect environment for a variety of workloads.

Compute

Shared and dedicated compute

Akamai Cloud Computing IaaS helps developers innovate by providing a simple-to-use, open cloud on which to build. Customers can choose from the traditional dedicated and shared-tenancy compute options in various sizes around the globe. However, unlike other clouds, Akamai Cloud Computing uses open protocols at every stack layer, eliminating the need to configure and maintain proprietary features and workflows. This standards-based approach decreases the effort required to deploy workloads to Akamai or other clouds to enable the flexibility promised by cloud services.

Product	RAM	CPUs
Shared CPU	1 GB–192 GB	1–32
Dedicated CPU	4 GB–512 GB	2–64
High-memory instances	24 GB–300 GB	2–16

BENEFITS TO YOUR BUSINESS

Reduce cloud costs and improve budgeting
Akamai Cloud Computing makes budgeting for your cloud infrastructure easy. Enjoy flat, no lock-in pricing consistent across every data center and a free egress allowance.

Support multicloud IT strategy/planning
Strategic use of multiple clouds manages cost, increases performance, and reduces the risks of relying on a single provider. Enterprises can take advantage of a simple-to-integrate cloud for a variety of workloads.

Increase developer productivity
Provide developers and IT with an easy-to-use, portability-focused cloud environment to quickly migrate applications to the cloud or roll out new services and instances. Rely on existing skills and tooling to minimize time to productivity.

Give developers and IT the support they need
Our award-winning team of highly trained Linux and DevOps professionals are dedicated to providing unparalleled customer experience 24/7/365.

Kubernetes

Container offerings provide more flexibility than other virtualization approaches but they are particularly prone to lock-in. Many cloud providers offer proprietary enhancements to differentiate their solutions, but the additional functionality comes at the cost of portability. The Linode Kubernetes Engine (LKE) is certified by the Cloud Native Computing Foundation's Certified Kubernetes Conformance Program. As a result, LKE workloads conform to portability standards, always access the latest updates and features, and make workload migration possible. Its highly available control plane and platform ensure the highest availability for any application. Managing LKE clusters is easy and open, as well. A new and improved high-availability control plane includes automatic horizontal cluster autoscaling and Kubernetes dashboards to ensure constant control and monitoring of pods.

Industry-leading price performance

Regardless of the technology, compute costs are a significant component of any IT budget. Executing workloads in environments with superior performance per dollar reduces infrastructure costs without sacrificing performance. Independent benchmarking confirms Akamai Cloud Computing provides the best performance per dollar of any compute offerings, including the hyperscalers.

4 CPU VMs: Total Monthly Price
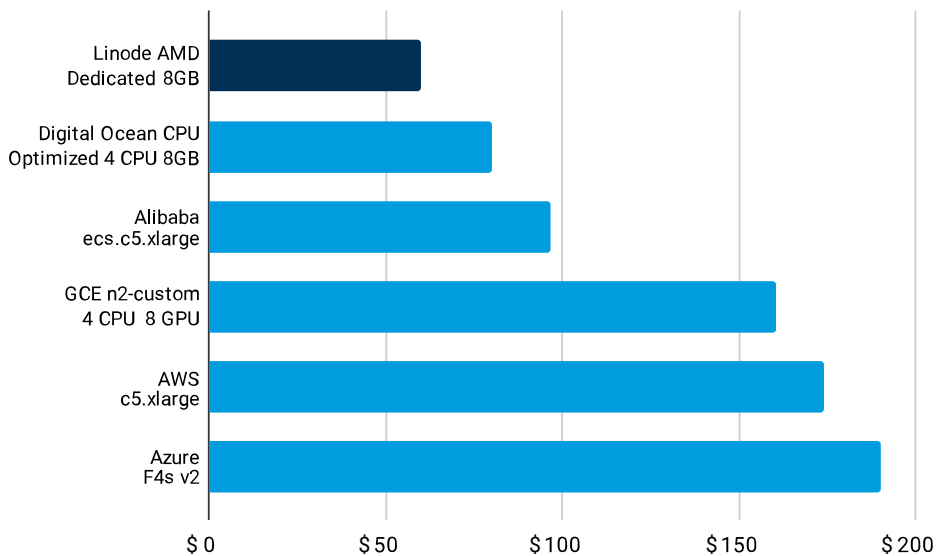
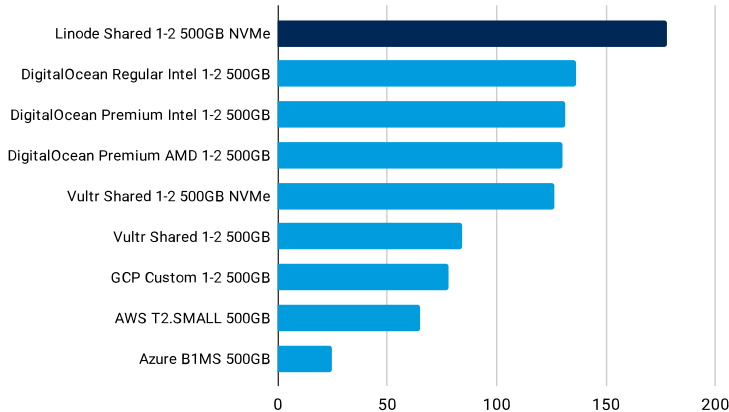*Source: Cloud Spectator Cloud CPU Benchmark Report*

Storage

Performance

Cloud storage is frequently overlooked as a commodity service. That's a mistake. Underperforming block storage is a bottleneck that works against initiatives to improve application response times. Slow object stores affect users via slow web page loads, video rebuffering, interrupted game downloads, and poor user experience. Akamai Cloud Computing's S3-compatible block and object storage rely on high-speed NVMe technology that delivers a 10–20x increase in throughput and up to 2,000x improvement in input/output operations per second (compared with traditional spinning disks). The additional throughput allows developers and IT to support a larger datastore while managing costs.

Price

Transfer costs are a significant part of any cloud bill. The variability of some workloads — such as development environments and websites — makes it difficult to predict those transfer costs and budgets. Akamai Cloud Computing's highly available object and block storage include free inbound and 1 TB of outbound transfer, allowing developers to focus on building, not budgeting.

Shared VMs (1 CPU) & 500GB Block Storage - 4K Storage Write READ IOPS Per Dollar

Shared VMs (1 CPU) & 100GB Block Storage - 4K Storage READ IOPS Per Dollar
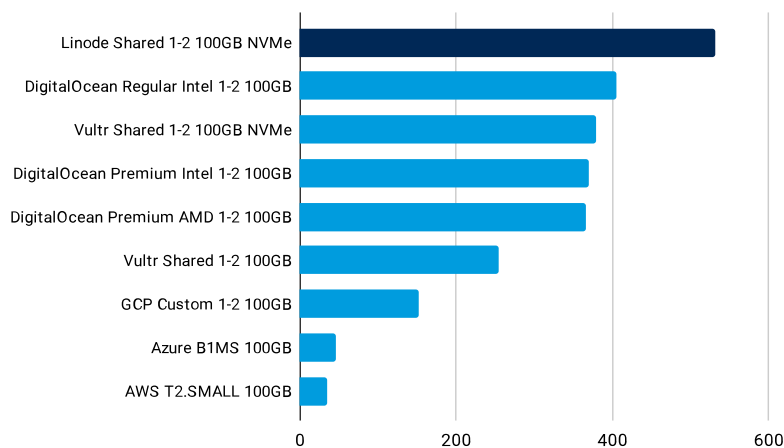
Source: Cloud Spectator's Cloud Block Storage Benchmark Report

Databases

Databases are a critical part of many applications. They need computing and database services deployed in the same region to prevent performance degradation and to maintain resiliency. But building and operating a database isn't trivial. The effort required to do so usually makes good architecture choices more difficult to justify. As a result, the lack of an accessible database often limits where workloads can be deployed.

Akamai Cloud Computing managed databases allow you to quickly deploy a new database and defer management tasks like configurations, high availability, disaster recovery, backups, and data replication. In both development and production environments, it lets developers focus on the application, not the infrastructure on which the application or the data is running. Our managed database offers a variety of options, including shared, dedicated, and high-memory instances to support MySQL and PostgreSQL. All managed database offerings feature the same consistent pricing and award-winning support as other Akamai Cloud Computing IaaS offerings.

Workload shopping in the enterprise

Enterprises are beginning to realize what developers and architects have known for some time. Hyperscalers are often the best environment to deploy specific workloads, such as those requiring a trained AI model or some specialized application-layer service. Most workloads, however, need reliable computing, storage, and networking, not a large catalog of specialized features. The traditional cloud providers offer all that and more, but at cost and operational premiums.

Akamai Cloud Computing places compute, storage, database, and other select services closer to large population, industry, and IT centers, enabling you to build, deploy, and secure performant applications that require single-digit millisecond latency to end users. Organizations use Akamai Cloud Computing to build, deploy, and secure highly performant applications and workloads with best performance per dollar, minimal egress fees, and a customized developer experience. Our platform doesn't require specialized tools and skill sets, and leverages our award-winning customer support whenever you need it, at no extra cost. With Akamai Cloud Computing, you can optimize your budget, performance, and resources while partnering with a proven brand you can trust.

Akamai Cloud Computing in a multicloud environment

To learn more, visit akamai.com or contact your Akamai sales team.