

Delivering rich content media to customers around the world

EDS Managed Storage helps Akamai keep Internet content available — anywhere, any time



Findings

By partnering with EDS, Akamai now delivers a highly scalable managed storage service to its customers worldwide

Underpinned with reliable storage availability, Akamai continues to offer customers high-performance content delivery that's second to none



Situation

Founded by a group of computer scientists and experienced Internet professionals, Akamai is dedicated to ending the "World Wide Wait" through intelligent Internet content delivery. Akamai's world-class computer scientists developed a set of breakthrough algorithms for intelligently routing and replicating content over a large network of distributed servers—without relying on the centralized servers typically used by Web site owners today. Akamai's mission: to provide businesses with dependable, high-performance delivery of streaming media, rich Web content, and Internet applications through services that are scalable, easily implemented, and easily managed.

Challenge

To achieve their ambitious mission, Akamai needed to secure reliable storage that was immensely scalable. The catch: they wanted to increase storage capacity without having to purchase and maintain expensive storage systems. And with many of Akamai's customers facing an increasing need for managed, high-performance storage for rich media content—especially audio and video files—Akamai sought out a strategic partner with a high-quality storage solution.

Response

EDS came through. With EDS' worldwide presence, service excellence, and managed storage expertise, it was natural to marry EDS' capabilities with Akamai's unique technology for replicating and distributing Internet content on a global basis. The result: Akamai Content Storage, a managed storage service provisioned by EDS that allows consumers to store and retrieve photographs, video, and other information through Akamai-powered Internet sites. Using the high-performance storage capabilities of Akamai Content Storage along with Akamai's highly reliable content delivery, rich media content providers—such as networks, studios, and music companies—gain a secure, dependable storage capability and a greatly improved end-user experience. EDS has increased effectiveness for Akamai's content customers requiring large amounts of storage, allowing Akamai to deliver a better Internet.

Technology

EDS manages a state-of-the-art EMC E-Infostructure™ in an IP-based fibre, network-attached storage configuration. Each point of presence is initially configured to deliver an industry-leading 60,000 I/O's per second and can scale dynamically based on network traffic. This implementation allows Akamai to effectively manage the storage needs of its customers worldwide. Storage area networks are configured at both EDS Web Service Management Centers and at Internet points of presence on the edge, which are monitored remotely by EDS. EDS provides a dynamic storage infrastructure with robust management services—that anticipate and adapt to volatile storage needs in the digital economy.

Getting results

The addition of Akamai Content Storage to its portfolio greatly enhances Akamai's ability to rapidly provide end-to-end Internet solutions that meet the growing needs of its customers. Not only can Akamai deliver

world-class content, high-quality streaming media, advanced global traffic management, and Web usage reporting, it can now offer a state-of-the-art storage

provisioning capacity that bursts in terabytes on demand.

Says George Conrades, Akamai's CEO, "EDS managed storage and Akamai content delivery services creates a critical advantage that allows our customers to focus on their core business without worrying about infrastructure associated with content delivery and storage."



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