Akamai received a Provisional Authority to Operate (P-ATO) from the Joint Authorization Board (JAB) of the Federal Risk and Authorization Management Program (FedRAMP). This is the first JAB ATO granted to a globally-distributed, publicly-shared cloud services platform. Agencies can leverage Akamai cloud services directly or use them to front-end other FedRAMP-compliant data center solutions. This model offers a unique end-to-end FedRAMP-compliant solution that is designed to make it easier for U.S. government agencies to use shared cloud services in support of their computing initiatives.

About FedRAMP
FedRAMP is a U.S. government-wide program that standardizes the approach to security assessment, authorization, and continuous monitoring for cloud products and services. The JAB comprises the Chief Information Officers of the Departments of Defense (DoD) and Homeland Security (DHS) and the General Services Administration (GSA) who lead the management of the program with the National Institute of Standards and Technology (NIST).

Akamai Components and Boundaries
Throughout the FedRAMP System Security Plan (SSP) documentation and control responses, the use of the system name, Akamai Content Delivery Network (CDN), is inclusive of the system components and boundaries used to provide customer-facing services as well as Akamai internal mechanisms used to manage and maintain the Akamai CDN. Both customer-facing services and Akamai internal mechanisms that constitute the accreditation boundary are described in “Akamai CDN SSP Section 9.2.” located in the FedRAMP repository.

Akamai Provides the Following Services:
- **Content Delivery**: The Akamai Intelligent Platform™ optimally resolves end user request for content using a massive server infrastructure with more than 137,000 servers deployed in more than 1,000 ISP networks in over 90 countries worldwide.
- **Secure Content Delivery**: Information that is protected by the SSL protocol is delivered from a dedicated, highly secure portion of the Akamai CDN over HTTPS. The Secure CDN was designed by Akamai’s security experts to meet robust levels of physical, network, software, and procedural security.
- **NetStorage**: Akamai’s globally-distributed NetStorage service is an alternative upload repository for customers that require on-demand scalability for their asset uploads. NetStorage provides multiple petabytes of storage capacity and replicates files for effective scaling and high availability. Files uploaded to NetStorage are available for immediate HTTP(S) download by Internet users. The upload to NetStorage is done via either FTP/RSync/SCP/SSH/SFTP.
- **On-Demand and Live Streaming HD Network**: The Akamai HD Network leverages the tested and proven Akamai Edge Platform. With this highly decentralized network deployed deep into regional and local ISP networks, video is always physically as close to consumers as possible to enable fast video start-up times, high availability, and superior performance.
- **Global Traffic Management Service**: Global traffic management (GTM) can be combined easily with other Akamai services to provide powerful and highly-available web delivery solutions. GTM offers different modules for traffic control in a variety of situations. All modules are built on a common fault-tolerant, globally-distributed name server infrastructure.
- **Enhanced Domain Name System**: Akamai’s Enhanced Domain Name System (DNS) service provides enterprise web sites with a robust, reliable, and scalable outsourced DNS solution designed to dependably direct end users to enterprise website applications. Using a secondary DNS approach, Enhanced DNS makes it possible for enterprises to leverage a distributed network

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**FedRAMP**
Federal Risk Authorization Management Program

**Service Name**
Akamai Content Delivery Network (Akamai CDN)

**Service Model**
Infrastructure-as-a-Service (IaaS)

**Deployment Model**
Public Cloud

**Impact Level**
Moderate

**Authorization Date**
August 22, 2013 (JAB Provisional Authorization)

**Package ID**
F1206061353
3PAO
Knowledge Consulting Group, Inc. (KCG) FedRAMP Accredited

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of DNS servers, while retaining their existing management and update processes for DNS zone administration. Customers using Enhanced DNS can enable DNSSEC.

- **Luna Control Center**: As the Akamai customer portal interface, the Luna Control Center offers flexible organization, interactive reporting and diagnostic tools to proactively research, troubleshoot, and resolve anomalies. Accessed via HTTPS, customers can monitor activity, configure and administer Akamai solutions, deploy and manage content, analyze business-critical information, resolve issues, plan events, and collaborate with the Akamai team.

**The following Akamai internal mechanisms are also included in the Akamai CDN accreditation boundary:**

- **Key Management Infrastructure**: The Key Management Infrastructure (KMI) is Akamai’s standardized system for generation escrow, distribution, and access control for private information.
- **Authgate**: Akamai’s authorization gateway, Authgate, verifies that users are connected to the Akamai corporate network. It also verifies that they are connected to a computer with an Akamai certificate, have an SSH key that matches their identity, and can connect to the machine they wish to access.
- **Alert Management System**: The Alert Management System (AMS) oversees Akamai’s deployed networks in real time and sends alerts to Akamai’s Network Operations Control Center (NOCC), which runs continuously. Logs are stored for forensic purposes and are accessible via a reporting tool.

**Akamai’s Domain Name Servers**: Akamai operates a dynamic DNS that returns answers computed on the fly. A typical use is to return the IP address of a server that is assigned dynamically, given current conditions on the Internet.

**Network Operations Command Center**: The NOCC is distributed across three locations: Bangalore, Cambridge, and San Mateo. The Akamai NOCC enables proactive monitoring and troubleshooting of all servers in the global Akamai network.

**Summary**

Akamai’s achievement within the FedRAMP program allows the U.S. Government to leverage secure, commercially available cloud services without having to build government only clouds. Public Sector organizations of all types can trust the Akamai Intelligent Platform as the secure foundation for their cloud computing projects. Public Sector entities can also leverage Akamai’s accredited services to meet IPv6 and DNSSEC OMB Mandates.

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**Akamai and FedRAMP**

Akamai® is a leading provider of cloud services for delivering, optimizing and securing online content and business applications. At the core of the company’s solutions is the Akamai Intelligent Platform™ providing extensive reach, coupled with unmatched reliability, security, visibility and expertise. Akamai removes the complexities of connecting the increasingly mobile world, supporting 24/7 consumer demand, and enabling enterprises to securely leverage the cloud. To learn more about how Akamai is accelerating the pace of innovation in a hyperconnected world, please visit www.akamai.com or blogs.akamai.com, and follow @Akamai on Twitter.

Akamai is headquartered in Cambridge, Massachusetts in the United States with operations in more than 40 offices around the world. Our services and renowned customer care enable businesses to provide an unparalleled Internet experience for their customers worldwide. Addresses, phone numbers and contact information for all locations are listed on www.akamai.com/locations.

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