




# Akamai Cloud Computing

Overview



The past decade's  
centralized  
computing model  
must evolve to meet  
the next decade's  
challenges

Akamai is building the leading  
cloud for businesses to **build**  
**and deliver** powerful, edge  
native applications

# Akamai Connected Cloud

Build, run, and secure your workloads in one place –  
the world's most distributed computing platform

**1,000**

TBPS CAPACITY

**4,100+**

EDGE PoPs

**1,200+**

NETWORKS

**750+**

CITIES

**130**

COUNTRIES

**24/7**

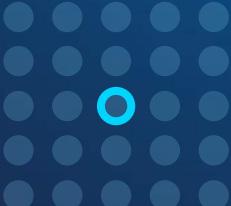
SUPPORT












# Akamai's Cloud Computing Platform

*Flexibility to deploy compute resources where you need them*

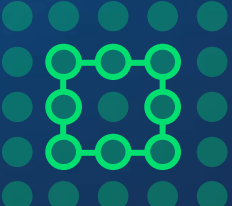
### Core









10's of locations

 VMs	 GPU	 K8s
 Block	 Object	 DBaaS
 VPC/VLAN	 Firewall	 Backup


### Distributed









100's of locations

 VMs	 GPU	 K8s
 Computing Partners		
 VLAN	 Firewall	

### Edge



1000's of locations

 FaaS	 Cloudlets
 CDN	 Security
 DNS	 GLB


# Cloud Computing Roadmap




## Core Computing Regions

Amsterdam	Chicago	Fremont	London	Milan	Osaka	Seattle	Sydney	Wash., DC
Atlanta	Dallas	Jakarta	Madrid	Mumbai	Paris	Singapore	Tokyo	
Chennai	Frankfurt	Los Angeles	Miami	Newark	São Paulo	Stockholm	Toronto	

## New Gecko Regions

 **10**

 **75** planned till end of year

# Edge-native application use cases

## Gaming



### Game Matchmaking

Enable digital experiences that depend on proximity for wait times, high performance, and adaptive decision-making



### Game Servers

Enable real-time responsiveness, which is critical for competitive gaming experiences

## Social Media



### User Generated Live

Minimize latency to provide optimal interactive experiences for features such as chats, reactions, etc



### WebRTC

Enable low-latency communication directly between users, especially for users in close geographical proximity

## Streaming Media



### Manifest Manipulation

Maximize video quality, enable seamless ad insertion, and improve the user experience based on real-time edge and device characteristics



### Live Streaming

Enable the best streaming performance with reduced latency for viewers in proximity to edge servers

## Data and AI



### Distributed Data

Enable global data distribution at massive scale to power real-time decisioning and scaled computing at the edge



### AI Inferencing

Enables near-user generalized computing to deliver the services that LLMs are offering at a global scale

# Akamai's Project Cirrus

*Eliminate hyperscaler lock-in by migrating Akamai's cloud applications to our own Cloud Computing Platform.*

*Continue our long-standing approach of leveraging open source technology and open platforms to accelerate innovation and time to value, and ensure greater flexibility.*

## **Lower Latency**

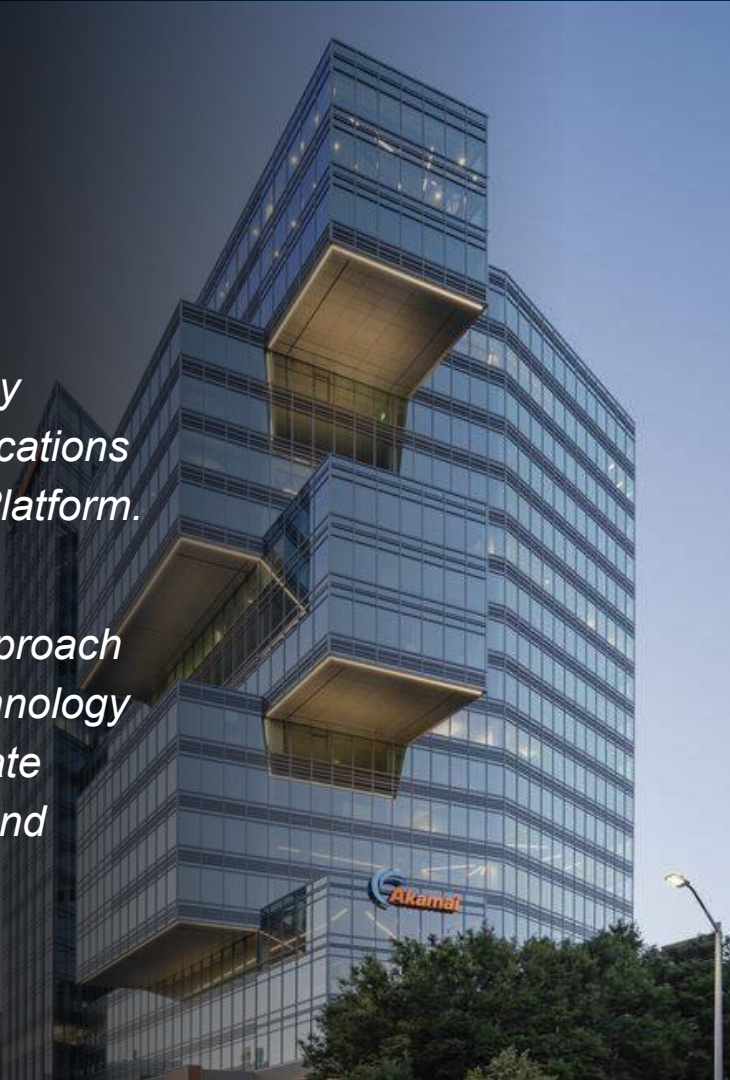
for data ingestion, processing pipelines and queries

## **40% Cost Savings**

by optimizing where compute and storage happen, and eliminating egress fees

## **Flexibility**

to use the best software for each workload

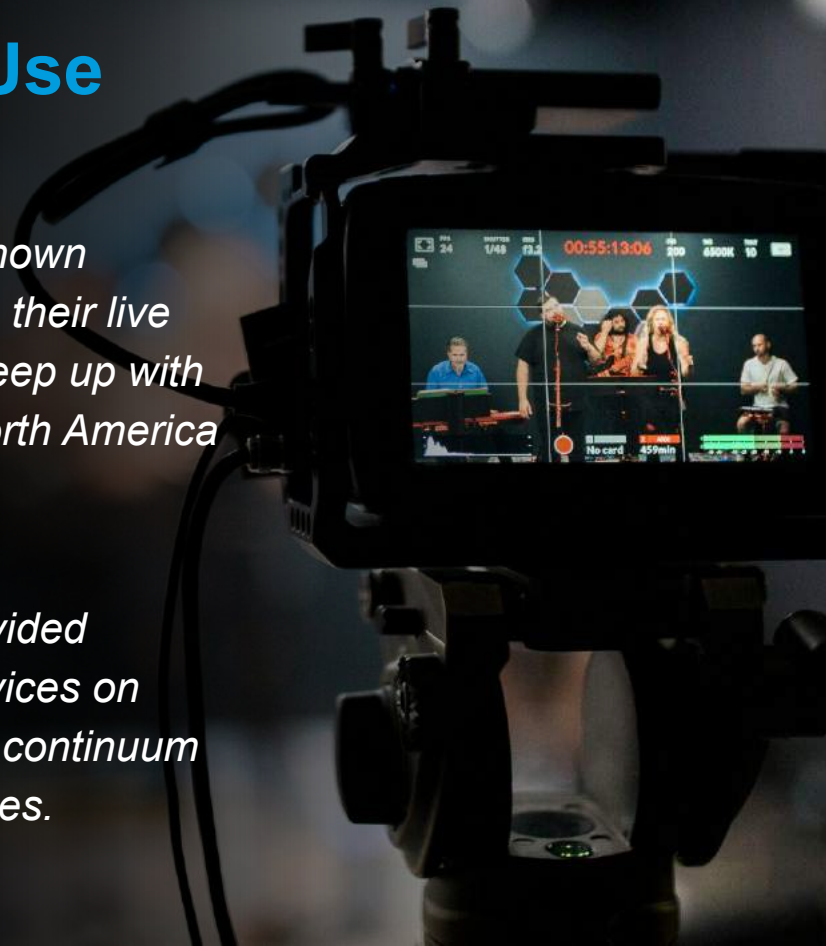




## Social Media Use Case

*One of the world's best known platforms wanted to scale their live transcoding capacity to keep up with strong traffic growth in North America and Europe.*

*Akamai's solution? Provided end-to-end live video services on a single platform with our continuum of cloud computing services.*



### Scale and Distribution

to provide flawless video delivery to user devices globally

### Predictable

and attractive network and egress fees

### Trusted

### Relationships

from using Akamai's VoD delivery services for years

# Distributed Computing Partners



## Real-time Apps+APIs

Global Data Network offering a data mesh with complex event processing to build apps in minutes



## Distributed Data

Edge database system puts decisions closer to where data is generated and consumed



## Log Observability

Real time visibility to analyze performance, usage, availability, and security data



## AI Inference

Accelerate AI inference workloads by eliminating redundant data to optimize efficiency and cost



## Interactive WebRTC

Enable global real time communication for games, social media, and business applications



## Video Transcoding

Enable video compression and delivery solutions to boost their viewership and subscription engagement



## Video Packaging

Enable video file for distribution and consumption on different devices and platforms

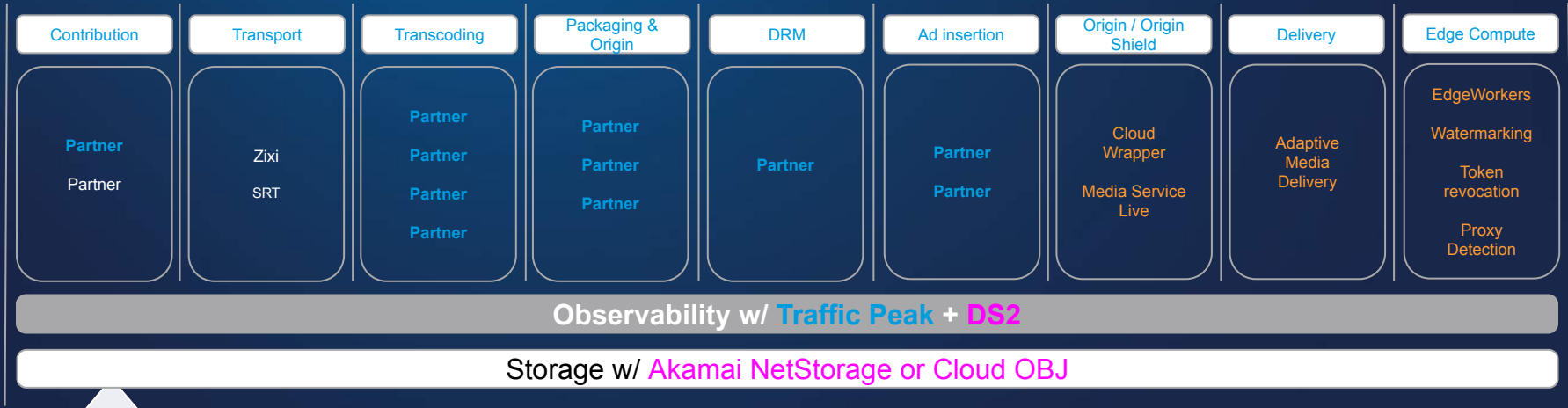


## Game Hosting

Improve player experiences and matchmaking with distributed services

# Distributed Computing Partners

## QCP + Akamai Solutions



### Build on Akamai

- Cloud Native
- Open source
- No lock-in



### Example workloads

- Transcoding solution
- Packager
- Origin servers
- Video Stitcher

