



J E T  **S T R E A M**

Celebrating 30 years of streaming innovations.

Our history in CDN

- 1997: Built first streaming CDN
- 2000: First federated CDN
- 2009: Multi vendor tech stack
- 2014: Airflow multi CDN
- 2024: Extended CDN partnerships

A Multi CDN strategy

Why multi-CDN?

Independence

Global footprint

Uptime

Performance

Features

Support

Multi CDN challenges

Contracts

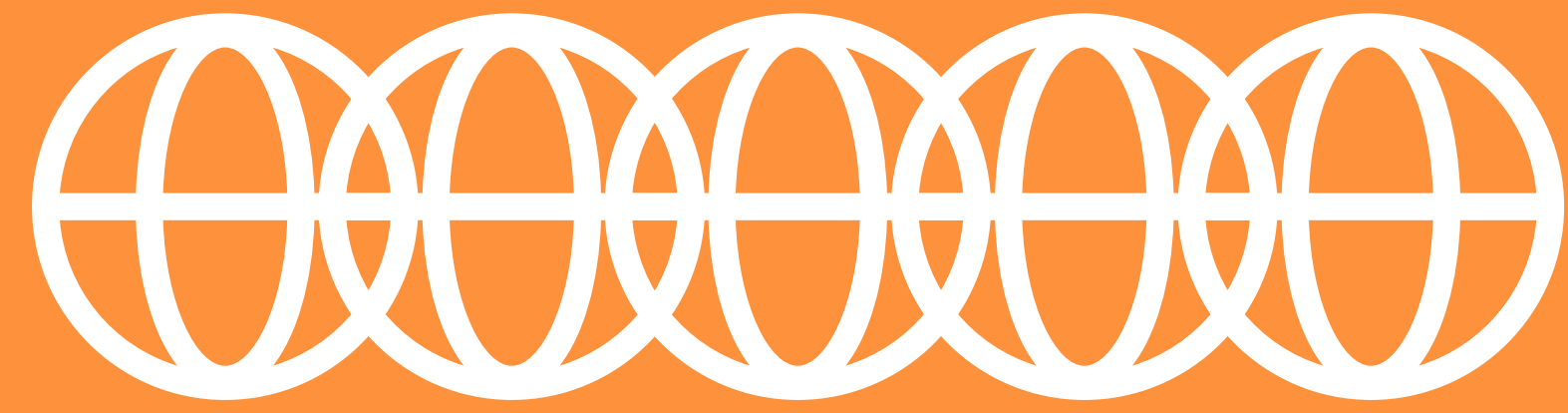
Intelligence

Integrations

Load balancing

Overhead costs

DIY, buy or SaaS?



Jet-Stream

Airflow Multi CDN

Airflow Multi CDN

8 CDNs

Private edges

Abstraction

Integrations

Active balancing

Granularity

Great CDN partners

JET  STREAM

 edgex

Edgio

 amazon
cloudfront

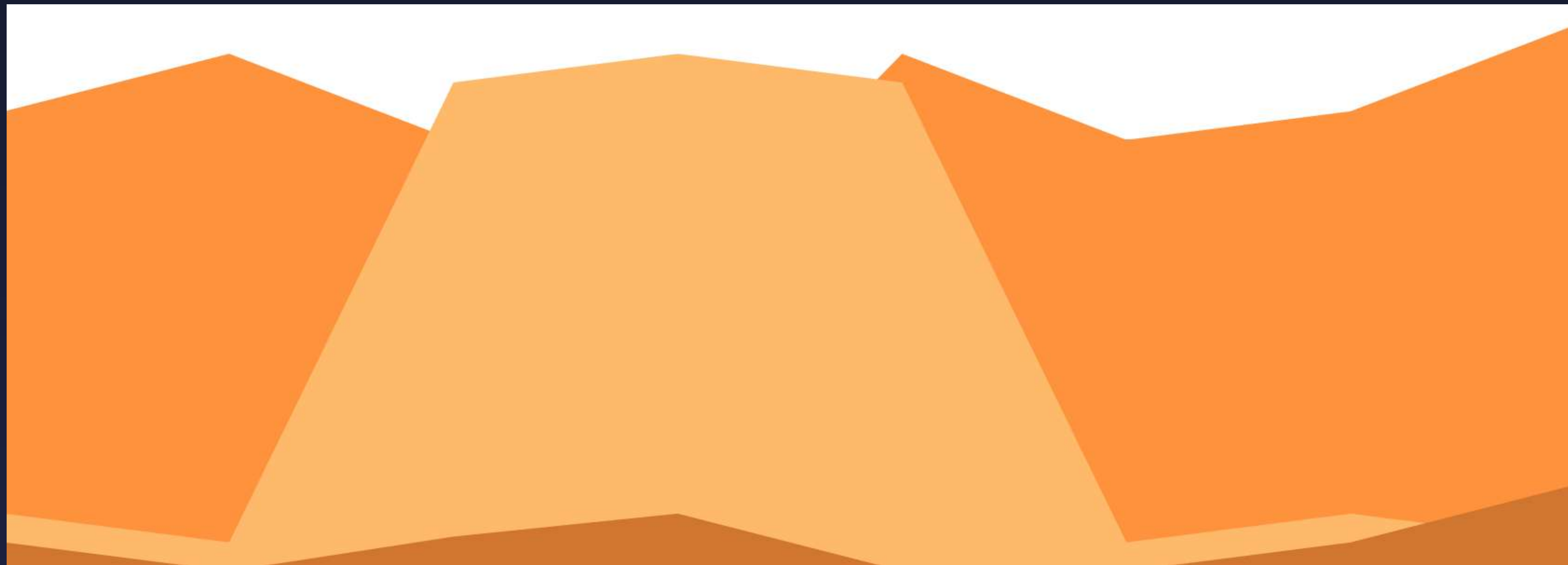
 **Akamai**

fastly

 MEDIANOVA

 **bunny.net**

Enforced balancing



Active load balancing

- No DNS lag, no need for manifest manipulation.
- Finest GEO granularity, per ip-address.
- Finest content granularity, per title and stream.
- Smart algorithm for geo, uptime, fallbacks.
- API and GUI for automation and control.

Broadcast grade

Broadcast grade uptime.

Generic CDN

99,98%

A horizontal progress bar for a Generic CDN. The bar is dark blue and is filled to 99,98%. The remaining 0,02% is shown as a white segment on the right side of the bar.

Jet-Stream CDN

99,999%

A horizontal progress bar for a Jet-Stream CDN. The bar is orange and is filled to 99,999%. The remaining 0,001% is shown as a white segment on the right side of the bar.

*Actual Jet-Stream uptime between 2015 - 2021 was 100%

Control & delivery plane

Applications

Workflows

Airflow

CDNs

CDNs

CDNs

CDNs

CDNs

Jet-Stream Cloud



Abstracted multi-vendor architecture

Media Workflow Orchestration, Automation, Algorithms, API & GUI

Encoding

Multi-Language

Security

Analytics

Load balancing

Your origins

Transcoding

Packaging

Player

Monitoring

Databases

Your services

Jet-StreamOS: CDN & Server orchestration

Kubernetes Cloud Orchestration

CDN

CDN

CDN

CDN

CDN

Airflow Multi CDN

CDN

CDN

CDN

CDN

Edge

Partner Cloud Servers

ASIC

ASIC

ASIC

ASIC

ASIC

ASIC

ASIC

ASIC

3rd Cloud Servers

Jet-Stream Servers

Partner Cloud Zone

Jet-Stream Cloud Zones

3rd Cloud Zone

Partner Network

Core Network

3rd Network

Delivery benefits

- Built for streaming and media.
- Wide choice of pre integrated CDN partners.
- Dynamic mix of CDNs, geographically.
- Add private edges to the mix.
- Jet-Stream Cloud = origin / origin shield.

Performance benefits

- Extreme uptime (>99.9999%).
- Extreme scale (CDN stacking).
- Extreme global footprint.
- Extreme performance.

Integration benefits

- Deeply integrated with Jet-Stream Cloud.
- Control-delivery plane abstraction.
- Anti-deep-linking, DRM, DDOS.
- API controlled load balancers.
- Real-time access-log-stream aggregation.
- Integrate 3rd party performance metrics.

Control benefits

- Rich stack of streaming services.
- Powerful media workflow orchestration.
- Powerful multi-CDN orchestration.
- Manage CDN routing per title and stream.

TTM & TCO benefits

- Instantly available (no coding, integrations).
- Adjust the most cost effective distribution.
- No development costs (zero CAPEX).
- No operational load (ultra low OPEX).
- Buy through Jet-Stream, or direct.

Road map

- ✓ Mid stream load balancing.
- ✓ Greenest Multi CDN load balancing setup.
- Multi Cloud global load balancing.
- CMCD performance metrics and intel.



Fly above the clouds

JET STREAM

jet-stream.com

