The Benefits of Delivering High-Quality Video with a Managed Private CDN





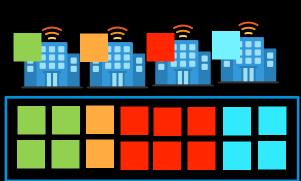




Private Managed CDN vs Public CDN

- A Private CDN means that you (as a company) own your Content Delivery Network through a managed service provider
 - Single tenant
 - You control the infrastructure
 - Supplements Public CDNs
 - Reduces DIY complexity





Shared



Why would anyone build a Private CDN?

- Growing needs for:
 - Full control of your video distribution, from an operational, commercial, and QoE POV
 - Consumer data and heuristics
 - Predictable cost
 - Differentiated capabilities
 - Hard to reach or cost sensitive region(s)
 - Improved monetization
- Risk Mitigation: CDN Industry consolidation



Building a Private CDN

Not "Rocket Science" but does requires a few things





What does it take to build a CDN

• Caching software, control plane software and traffic plane

Hurdle: Significant resources, domain expertise, and lifecycle management

Server infrastructure

Hurdle: CAPEX, operational management

Hosting, network and peering

Hurdle: Network expertise, port fees, peering fees, contract management with > 180 carriers

Integration and Operations

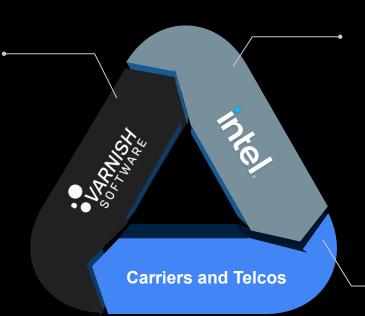
Hurdle: Dedicated Operations team with SREs, network engineers and DevOps teams plus 24/7/365 coverage



Managed Private CDN: Ora Streaming

Varnish Software

- High performance caching software
- Operations
- Support



Intel

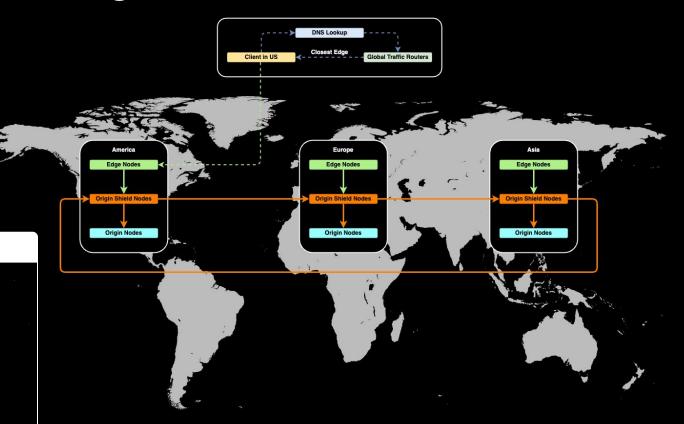
- Contract management and partnerships with Global network of Tier-1 ISPs and Carriers
- Procurement of bare metal infrastructure
- Joint collaboration with Ora for an optimal solution

Carriers and Tier ISPs

Provide dedicated bare metal edge hardware + network, peering and NoC

Custom Config, Managed Service, OPEX





You Can Control

- Logs
- Availability
- Failure scenarios
- Edge compute
 - Ad insertion
 - Watermarking
 - 0 ...



Intel ECSS: Technical Integration Overview

Intel has established the Edge Content Streaming Service (ECSS) with Ora Streaming as a technical integration partner The collaboration leverages complementary strengths:

- Intel's enterprise architecture expertise
- Combined technical capabilities
- Shared development resources

Benefits from Intel's established telecommunications partnerships with global carriers and ISPs, enabling reliable service delivery provides advanced edge computing architecture to optimize network efficiency and performance





State of Internet: Robust Yet Fragile

Trends

- Growth in private direct interconnect
- Ramp to cloud -> Peering tier-2/3
- The flattening of the Internet

Any downsides?





The Growing Discontent

Net Neutrality vs. Fair Share

"FCC lacks authority to Impose Net Neutrality"
- Sixth Circuit Court. January, 2025

ETNO's fair share proposal

Postponed
-October 2023 to 2025



Do We have the Right Model For Video Delivery?

Consumption Based vs. Capacity Based



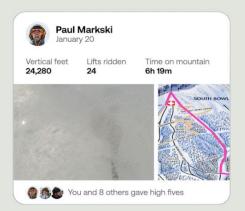


Use Case

MUX



Mux Video







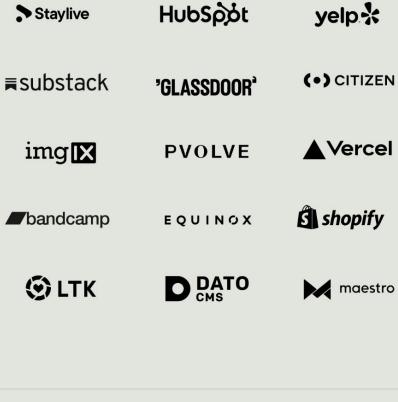


Mux Video

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Confidential and proprieta	ary information

PATREON

Typeform



HubSpot



> Staylive



Managed Private CDN Benefits for Video Delivery

Customization

Full control over cache config for specific traffic patterns, workloads, failure scenarios and availability guarantees—no noisy neighbors

"Single tenancy means no cache competition, giving us stronger guarantees that our TTLs will be honored."

Performance

Full stack control from origin to edge

"Dedicated infrastructure gives us control to optimize our runtime for what matters most—maximizing performance for customer traffic"

Support

Access to developers that developed core systems

"Ora is very transparent. A partner you can trust."





Thank you



