Ztream ESCALATOR

Zstream™ Escalator™ is a next-generation solution for Streaming Media autoscaling. It can be configured to manage workflow resources based on custom requirements and intrinsically promotes carrier-grade availability of your services.

Using metrics and algorithms that work for Streaming Media, Escalator intelligently assigns sources to available resources. It understands the overarching Streaming Media workflow, while also managing the capacity of individual components.

Ztream Escalator supports multiple types of scaling:

Reactive - Escalator will dynamically adapt to changes in demand without causing interruptions.

Scheduled - If you have predictable surges in usage, Escalator can be configured in advance to scale accordingly.

Predictive - With predictive autoscaling, Escalator is able to anticipate future changes based on your own historical data, anonymized historical data from peer service providers, or external data.

What's more, Zstream Escalator works with any streaming protocol, provider, and region*

ztream
ESCALATOR

Features

Smart Assignment
- Uses client metadata and historical data to assign sources for optimal division and usage density.

Workflow Awareness
- Acknowledges a Streaming Media workflow as a whole as well as the individual components like encoding, packaging and delivery.

Relevant Metrics
- Monitors and scales based on metrics and statistics that are relevant for Streaming Media and for the purpose of the workflow.

Cross-Region and Multi-Provider
- Can leverage resources from multiple regions for optimal geographic proximity and risk reduction. Can integrate with multiple providers and divide sources based on configurable parameters.

Characteristics

- Can be integrated with **any computing provider** that offers resource management through a programmatic interface (API). Existing implementations include Amazon Web Services and Microsoft Azure.

- Can **collaborate with provider's services** like Network Load Balancer and Content Delivery Network.

- For High Availability, the software package can regulate itself, and **supports clustering**. Other runtime environments include Docker + Kubernetes, and virtual or physical machine

Pricing

Licensing and pricing information will be available from Q3 2023.

Contact

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