



# Scalable Real-time Streaming Platform

[antmedia.io](https://antmedia.io)

Ant Media Server

# The Real-time Streaming Platform

Highly Scalable, Ultra Low Latency and Adaptive Video Streaming



Ultra-Low Latency  
Adaptive Streaming



Streams play everywhere,  
in all network conditions.

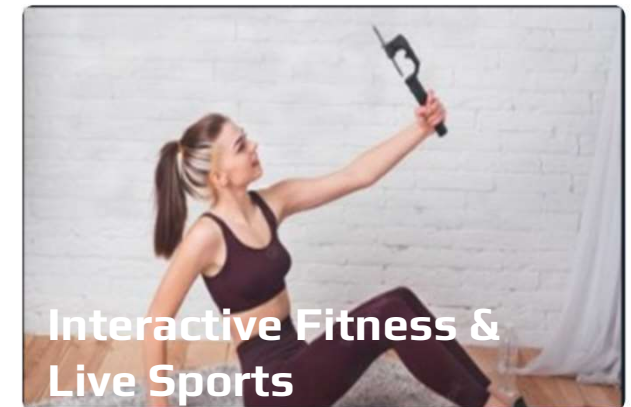


Auto-Scaling Publishers and  
Viewers in the cluster



SDKs for iOS, Android,  
JS, Unity and Flutter &  
REST API

# Deployed Customers Across Verticals



## Some companies win with Ant Media offerings

**Remote Production** with  
Hardware Integration

### Ross Video

Remote production units with an embedded instance of Ant Media Server. Using Ant Media for their high quality streaming experience.



**Quality Testing** and  
Digital Signage

### Ubisoft

Streaming working titles to screens in offices across multiple locations. Using Ant Media for video delivery.



**Autonomous Driving**  
and Robotics

### Motional

Driverless cars and taxis that stream back to a control center. Using Ant Media for real-time communication.





# Quote from Ross Video



"Ross Video has used Ant Media in **production** for many **high-profile live events** spanning **network broadcasts**, e-sports, and entertainment shows.

The success of these shows required a **stable, high throughput engine** to manage streams, and **Ant Media filled the role perfectly.**"

— Amanda Holtstrom | Product Manager at Ross Video



# Quote from Rods & Cones



"We integrated Ant Media to relay video feeds from the **Operating Room** to a large audience. Taking into consideration **all privacy restrictions to cope with healthcare constraints**.

We also appreciated **the support** of the team for an **AKS deployment**. Rods & Cones is **making use of Azure to cope with security and privacy constraints**."

— Jan Dheedene | Co-Founder and CGO at Rods&Cones



# Unique set of key features

## One solution for all streaming needs

- Real-time streaming (~0.5 sec. latency)
- Low latency streaming (3-5 sec. latency)
- Traditional streaming (>10 sec. latency)

## WebRTC

- All Streaming Scenarios
- Uniquely Scalable
- Ultra-Low Latency



## Key features II

### Ant Media Server provides a unique set of features

- Adaptive Bitrate & Encoding
- Multiple Codecs
- Recording & Video on Demand
- Wide range of SDKs & APIs





## Key features III

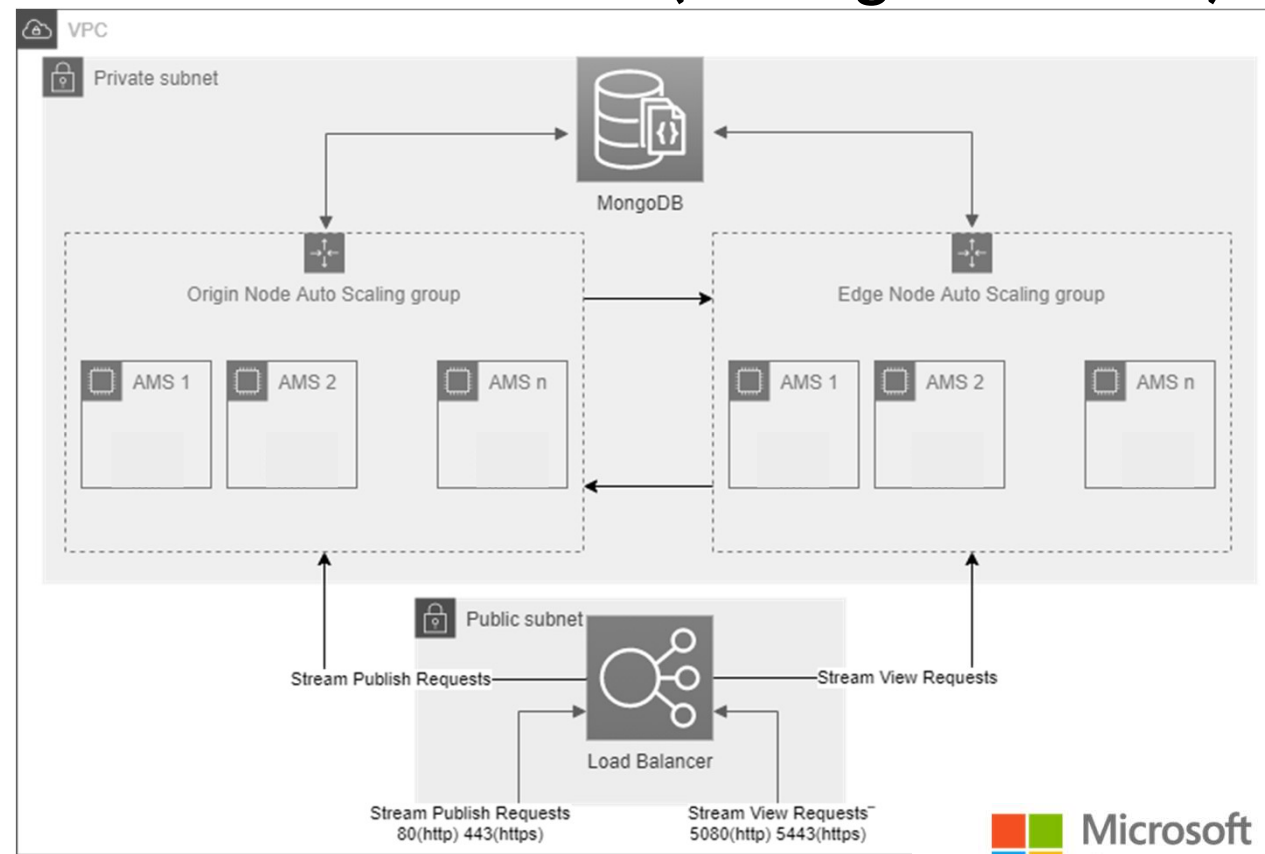
Ant Media Server provides an auto-scalable solution (making it sell itself)

### → Vertical Scaling

- CPU
- Memory

### → Horizontal Scaling

- Auto Scaling on Azure
- Azure Kubernetes Service



## Key features IV

Multiple security solutions to protect the content.

### → Stream Security

- Deny Undefined Streams
- One Time Token Control
- CORS Filter
- Hash-Based Token
- Publisher IP Filter
- JWT Stream Security Filter
- Time-based One-Time Password

### → Additional Security

- SSL
- IP Filtering for Rest APIs



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# Ant Media Server Enterprise - Live Video Streaming

Ant Media

Overview

Plans + Pricing

Ratings + reviews

Highly Scalable Live Video Streaming Platform with Ultra Low Latency.

With end-to-end latency of less than 0.5 seconds, Ant Media Server provides adaptive, ultra low latency streaming by using WebRTC technology. Our streaming engine software can dynamically scale up and down by leveraging features of Microsoft Azure to enable customers to serve from tens to millions in an automated and controlled way.

What Enterprise Edition includes:

Ant Media Server Enterprise Edition supports Low Latency WebRTC Live Streaming RTMP, HLS, MP4, IP Camera and Restreaming.

Key Features:

- **Ultra Low Latency WebRTC Streaming:** Increase interaction and experience real-time video streaming, with less than 0.5 seconds latency.
- **Adaptive Bitrate Streaming:** Reach a broader audience with Adaptive



Microsoft  
Azure

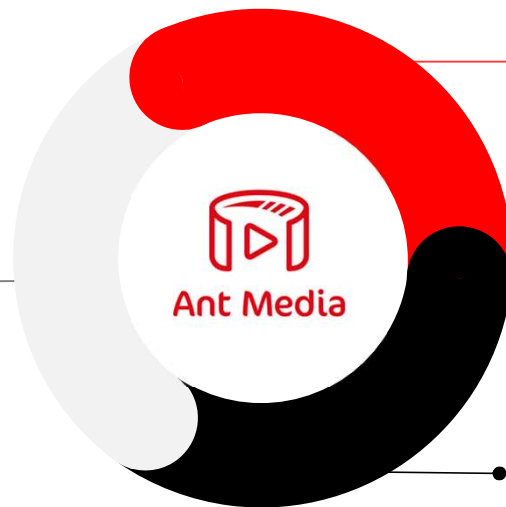
 Ant Media

# Why Ant Media

## Powerful

Real Time  
Streaming

ABR & Transcoding  
WebRTC SFU &  
MCU & Data  
Channel



## Proven Scalability

150k viewers  
with Azure

## Faster Integration

API First – SDKs & Rest APIs  
Cluster **Ready in 5 min**



# Thank You

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<https://github.com/ant-media/Ant-Media-Server>