# Synadia/NATS Sweet Spots



#### **Characteristics**

- Lightweight, embeddable and low latency messaging
- **Subject based** publish/subscribe and Request/Reply
- Simple and developer-friendly
- Extremly fast and scalable
- Queuing and streaming with built-in high-availability
- Scales from the edge to the Cloud
- Self Clustered

#### **Usage**

- NATS is an all in one messaging middleware covering a range of features, which would require a set of specialized applications.
  - Fast non persistent messaging scaling to millions of msgs/s
  - Jetstream HA streaming and queuing
  - Key/Value store
  - Object Store
  - Self routed topologies (meshing)
  - Clustered with fast failover
  - Service deployment (workloads)
- The common Cloud or Edge deployed application will need 'Nothing but NATS' to satisfy it's communication and state management needs.

## Replace REST service infrastructure

- No LBS
- No Directories
- aso ..

### **Clustering and Scaling**

Self clustering

### **Edge Ready**

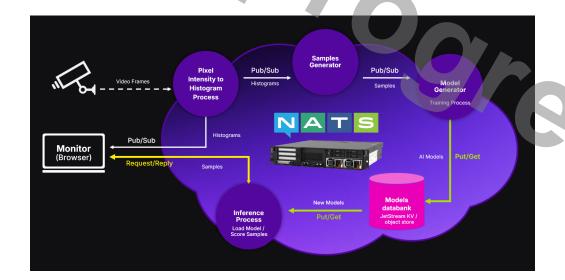
- **Small** (~16MB), **embeddable** binary which runs on any device.
- Leaf node

## **Enterprise Ready**

- SCP
- Strong authentication
- Encryption at rest
- TPM support

#### **Scalable**

- Scale cluster
- Scale superclusters geographically
- Scale horizontally with leaf cluster



### **Clustering and Scaling**

Self clustering