Enterprise Datasheet

Fluvio OSS and InfinyOn Cloud

InfinyOn, a real-time data streaming company, has architected a programmable platform for data in motion that is built on Rust and enables continuous intelligence for connected apps. SmartModules enable enterprises to intelligently program their data pipelines as the data flows between producers and consumers in real-time. With Fluvio OSS or InfinyOn Cloud, enterprises can quickly correlate events, apply business intelligence, and derive value as they occur. Our mission is to accelerate the world's transition to the real-time economy.

Availability

- 3X replication factor support
- 99.9% uptime
- Single AZ with multiple AZ option

Features

- Producer
- Consumer
- At least once guaranteed delivery
- Immutable storage with partitions
- Storage compaction* (coming soon)
- Native K8 support
- TLS support
- Built-in connectors
- WASM based SmartModules
- Built-in CLI for administration support
- Declarative management
- Table display
- True asynchronous low latency streaming
- Low memory footprint (quantify)
- Low CPU usage
- Reduction with image size 4MB
- Compiles natively from cloud to IoT devices

What users are saying

"As server demand grows, we partner with scalable technologies like InfinyOn's Fluvio OSS to handle data requests efficiently.

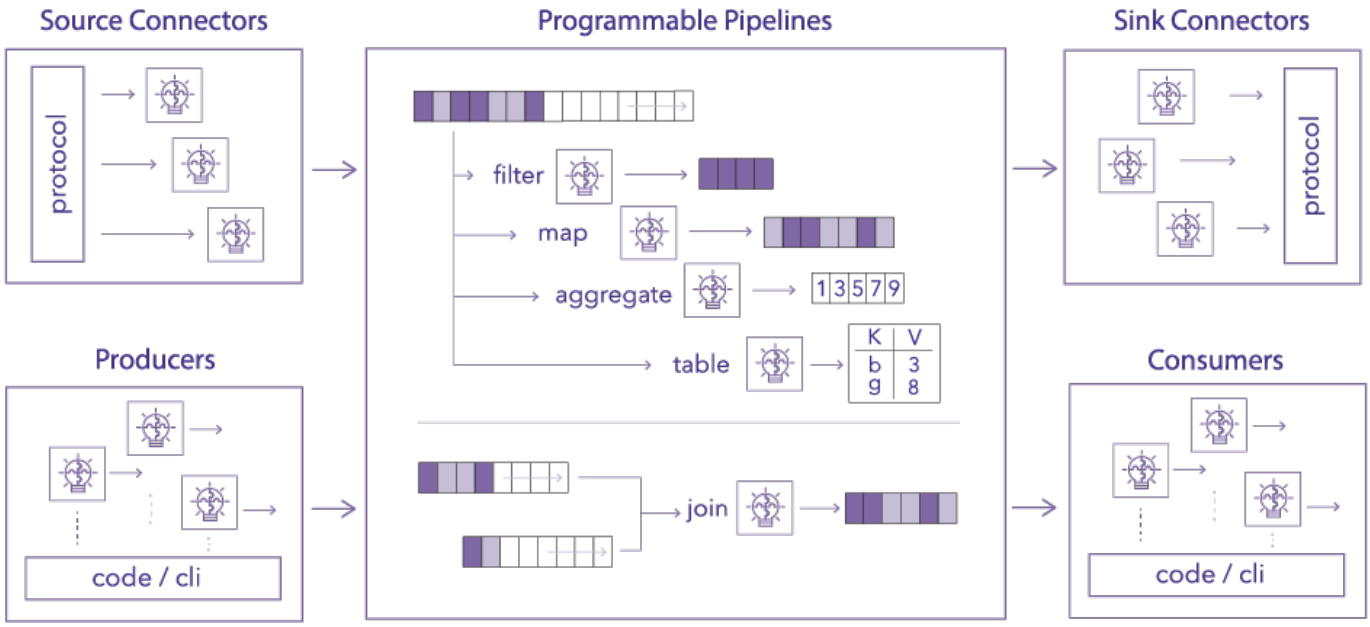
"We're investing in powerful, scalable tools like Fluvio to queue and organize all new data requests"

"Not investing in Fluvio infrastructure would look like delays or lags in our software"

Benefits

- Continuous intelligence
  - Real-time analytics are integrated into business operations
- Distributed stream processing
  - Redundancy and failover to prevent data loss and minimize downtime.
- Horizontal scale
  - Scalable stream processing units (SPUs) with built-in replicas, partitions and failover
- Programmable stream processing
  - Clean, transform, correlate, and derive insights from data in real-time
- Hybrid SPU
  - Deploy your SPUs anywhere

Reference Architecture



Performance

- Single digit millisecond P99 latency
- 100MB P99 throughput

Minimum Configuration

- 1 CPU with at least 2 cores
- 1 gigabyte of memory
- 30 gigabytes of disk space

API Clients

- Rust
- Python
- Node.js
- Web Assembly
- Java
- Go (built by community)

CLI Clients

- X86
  - Linux, Mac OS, Windows
- ARM64
  - Linux, Mac OS
- ARM32
  - Linux, Raspberry Pi

Supported Connectors

- HTTP
- MQTT
- Postgres
- GitHub (In Development)
- Slack (In Development)
- Kafka (Coming soon)
- MongoDB (Coming soon)
- Snowflake (Coming soon)

Supported Platforms

- Managed Cloud
  - AWS, EKS
- On-premises
  - Linux, Mac OS
  - ARM 64 & X86
- Kubernetes
  - AWS, Azure, GCP
  - Docker, Rancher, Red Hat