

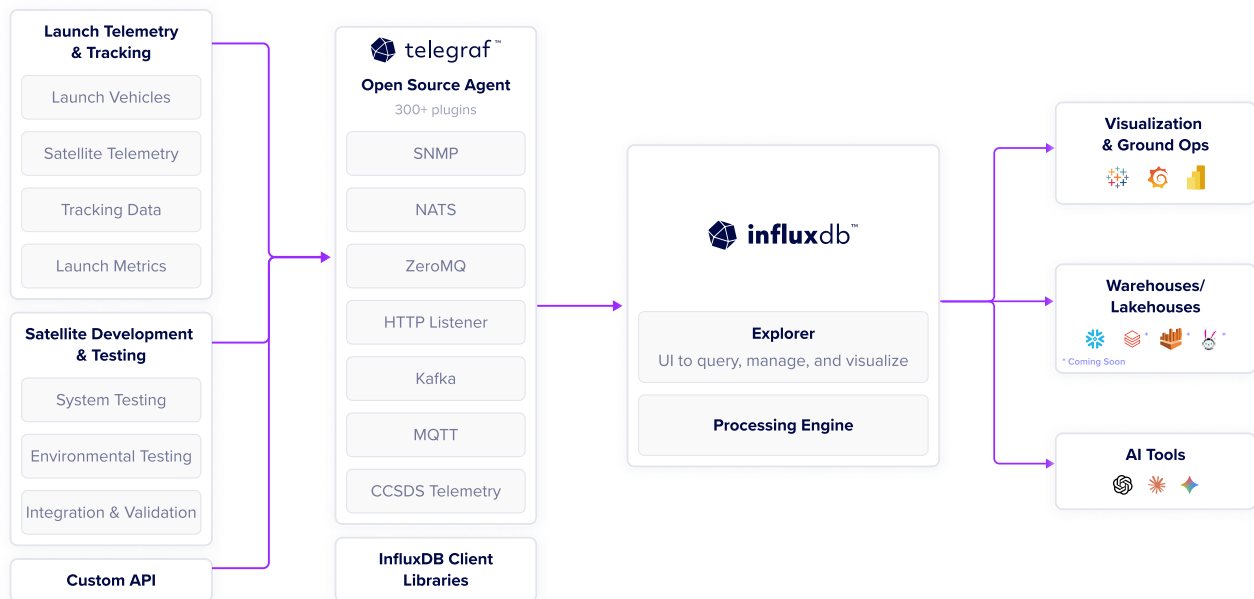
Real-Time Satellite Data: InfluxDB for Aerospace

Built for speed and scale, InfluxDB 3 delivers real-time ingestion and analytics for high-resolution time series data

- ✓ **Flight & Satellite Operations:** Ingest telemetry to monitor spacecraft health and maintain mission availability with rapid anomaly detection.
- ✓ **Ground Segment & Network Ops:** Analyze infrastructure data to ensure reliable communication and diagnose operational issues quickly.
- ✓ **Test & Evaluation:** Capture data during development and production to validate system behavior and performance.
- ✓ **Manufacturing & Integration:** Capture production telemetry to validate performance and meet operational requirements.
- ✓ **Engineering Analytics & Digital Twins:** Use historical telemetry to improve system design, and fuel digital engineering workflows.
- ✓ **Predictive Maintenance:** Identify early signs of degradation or instability to enable proactive maintenance and improve system reliability.

InfluxDB 3 is Purpose-Built for Aerospace Workloads

- Massive Ingestion Throughput**
Scale to millions of unique series per second from engines, flight systems, and satellites.
- Edge to Cloud Flexibility**
Run analytics at the source (edge/ground stations) and sync with cloud or on-prem clusters.
- Real-Time Analytics**
Query across billions of time-stamped records in <10 ms to power real-time dashboards and alerts.
- Low-Cost Object Storage**
Store decades of telemetry with advanced compression for audits, AI training, and compliance.



Trusted for Any Mission

