Real-Time Analytics for Operational Decision-Making

Implementation of a real-time analytics platform that ingests, processes, and visualizes streaming data, enabling operators to make informed decisions based on current conditions rather than historical reports.

PRACTICE

Applied AI and Data

CLIENT PROFILE

Operations center or mission support organization requiring sub-second analytics on streaming data for situational awareness, anomaly detection, or operational monitoring

Challenge

- Decision-makers relying on batch reports that are hours or days old
- No infrastructure for ingesting and processing high-velocity streaming data
- Inability to detect anomalies or changing conditions in real time

Approach

- Deploy stream processing platform for real-time data ingestion and transformation
- Implement event-driven analytics with configurable alerting thresholds and anomaly detection
- Build operational dashboards with sub-second refresh for situational awareness
- Integrate with historical data stores for contextual enrichment and trend analysis

Typical Outcomes

- Sub-second visibility into operational metrics and events
- Automated alerting on anomalies enabling proactive response
- Improved decision-making through real-time operational intelligence

Procurement Paths

- NASA SEWP V and SEWP VI for streaming analytics infrastructure
- GSA MAS for analytics engineering services
- DoD ESI for Elastic platform licensing

Compare vehicles and ordering steps on **How to buy**.

Partner Technology Examples

- Elastic
- Confluent
- AWS GovCloud
- Splunk

This is a representative use case. To request a briefing or a quote, contact Norseman Defense Technologies at 410.579.8600 or sales@norseman.com.