

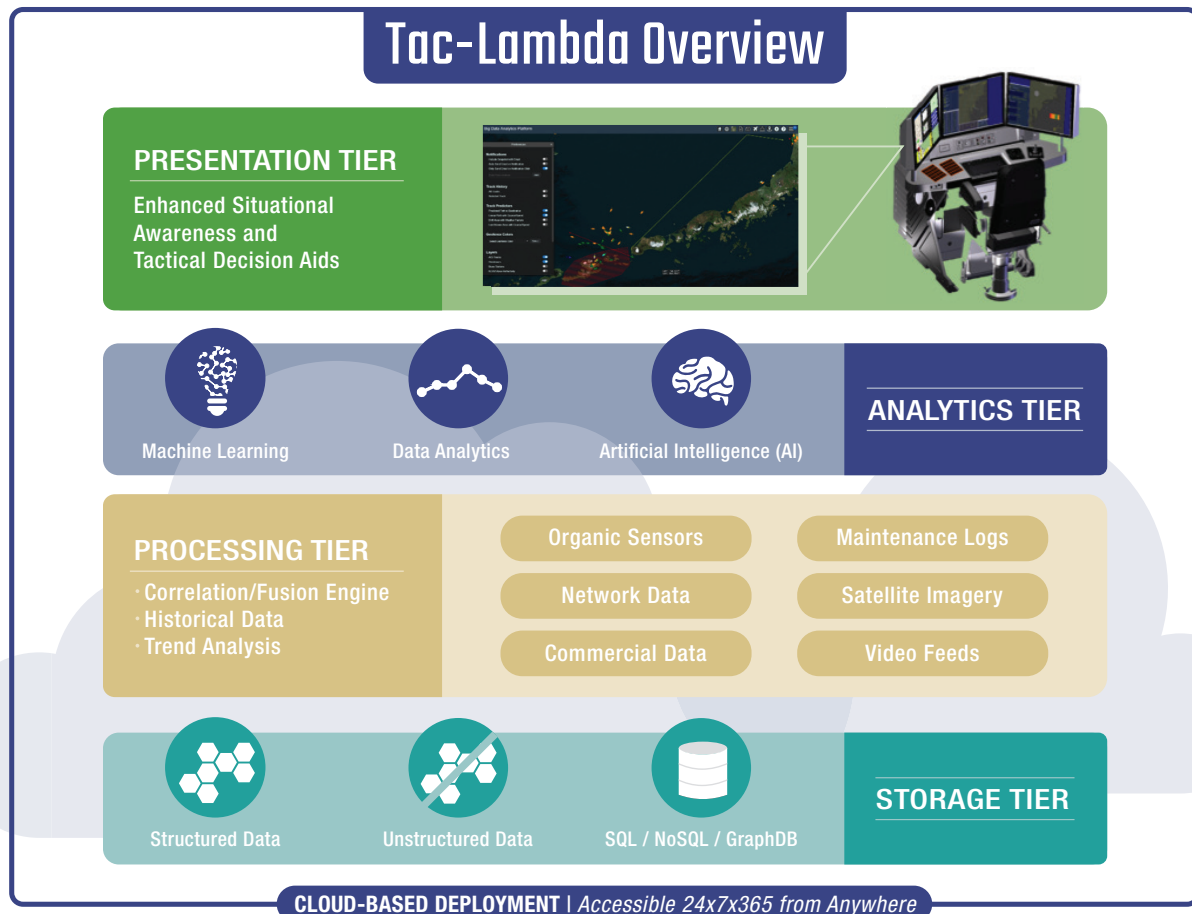
Tac Lambda

Real-Time Data Analytics at the Tactical Edge

OUR PURPOSE

Addressing information challenges by processing and fusing Big Data into actionable intelligence, and providing it to key decision makers to make timely decisions in a secure environment.

Tac-Lambda is a capability-framework that provides automated analysis and decision-making support to operators and action-based systems.

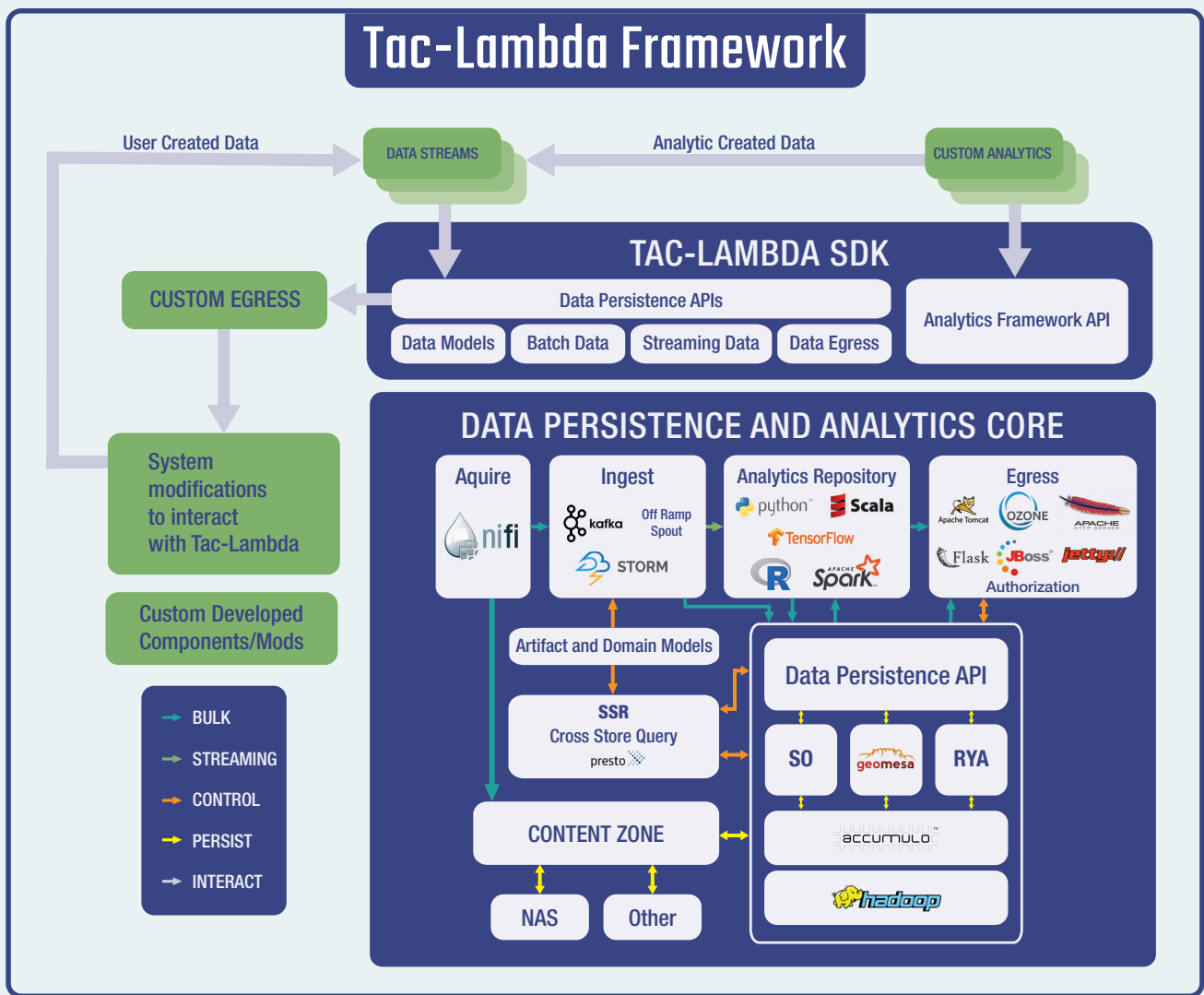


CAPABILITIES & FEATURES

- Big data ingestion and scalable analytics tailored to key customer domains
- Artificial intelligence and machine learning
- Advanced data analytics and analysis
- Natural Language Processing
- Predictive Models and Rules Engines
- Computer Vision
- Continuous ingestion of multiple data sources of various data types (unstructured, structured, bulk, streaming, etc.)
- Data cross correlation, information fusion, data analytics, etc. (driven by use cases required by operational need)
- Augment existing systems with Big Data platforms to enhance their ability to store historical data at the tactical edge, enabling autonomous analysis techniques at tactical speeds
- Threads include Systems and Sensor efficacy, Condition Based Maintenance (CBM/CBM+), anomaly detection

INDUSTRIES SERVED

Intel Community
Military C4ISR
Government
Law Enforcement
Warfighter



WHAT TAC-LAMBDA DOES

Tac-Lambda is a flexible, extensible core framework that enables data analytics on the tactical edge for the purposes of Integrated Decision Support.

- Operator efficiency and workload reduction – Anomalous behavior detected in seconds vs. minutes (or never)
- Tracks of interest are identified immediately based on predictive models
- Off-board analysis of track interceptability and engageability
- Stochastic anomaly detection for Condition Based Maintenance
- Predictive detection of Software Defects

HOW TAC-LAMBDA DOES IT

- Abstraction techniques (analytics) through the adoption of a generalized system created to aid in bringing big data analytics to the tactical edge
- Automation techniques to simplify operator workloads, and make sense of the vast volumes of data and information
- Higher order strategic evaluations made possible by trending, cross correlating and fusing disparate tactical mission data
- Secure Big Data Capabilities
 - Processing: data fusion, data processing, data analytics
- Dissemination: Cloud Architectures, On Premises, Edge Delivery, Cyber Security