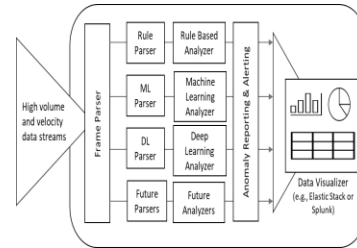




Analyzer Driven Data Integrity

Project Summary: The objective of this research is to demonstrate innovative approaches to detect adversarial attempts to inject anomalous data within the flow of operational data streams, improving the integrity and confidence of data that USTRANSCOM operators and leadership depend on for critical decision making and mission assurance. As the DOD and USTRANSCOM rapidly embrace Zero Trust Architecture (ZTA) as a philosophy across the enterprise the concepts that will be explored and developed as part of this research effort will directly align with 1 the DOD's Zero Trust Reference Architecture. This will be done through novel approaches to mitigate adversarial threats to organizational data, data manipulation, and contributions to enhanced visibility & analytics.



Analyzer Architecture Block Diagram

Benefit:

- Advance the Command's Security Posture by Predicting before nefarious behavior takes place, reacting as threat occurs and preventing at the source
- Resources saved due to faster operator response time and avoidance of committing limited assets (manpower, equipment, money, etc.)

Duration of project: FY23 – FY24

Participants: Air Mobility Command

Project advocacy (funding or otherwise): USTRANSCOM J-6