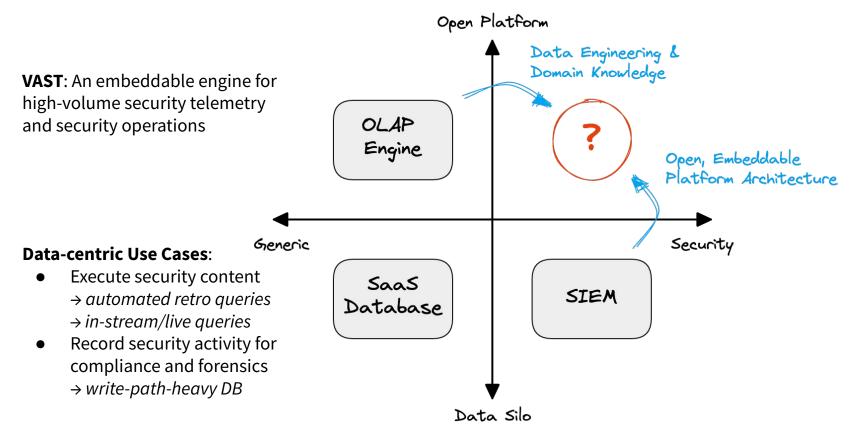
Security Data Engineering

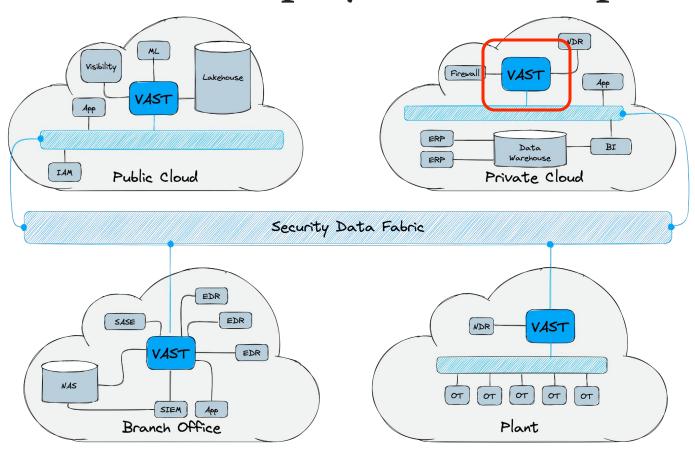
Matthias Vallentin, PhD



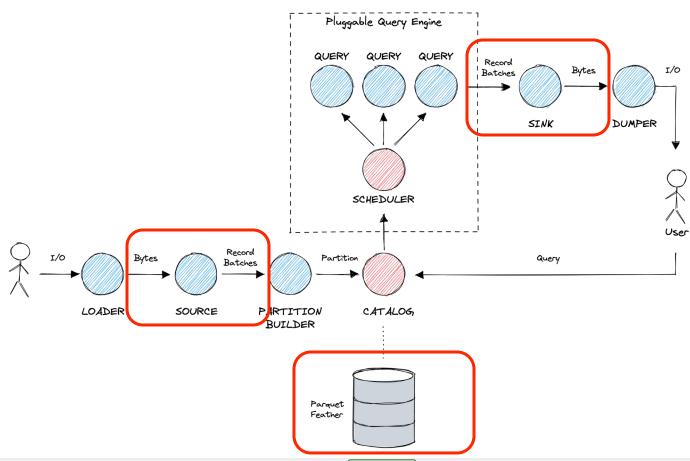
What is VAST?



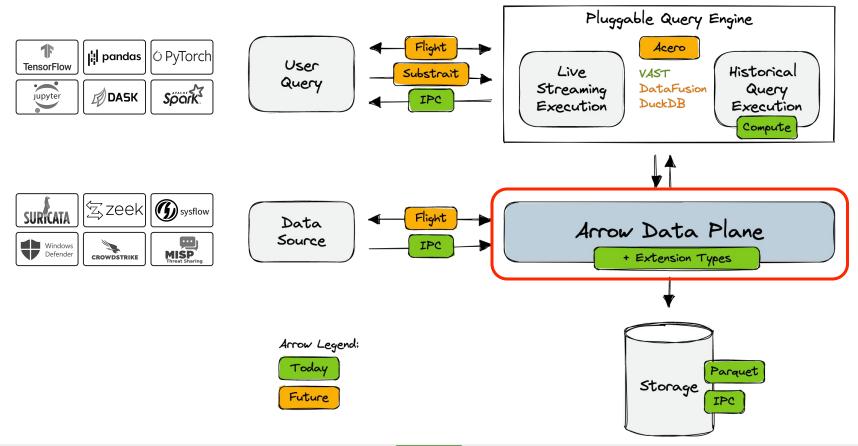
VAST Deployment Concept



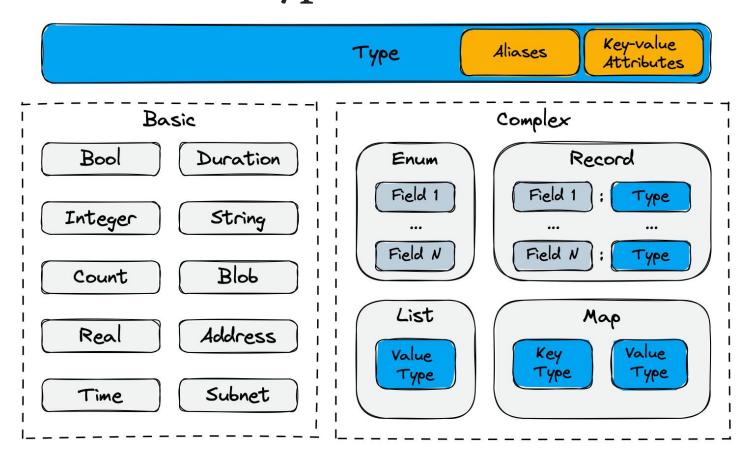
VAST Architecture



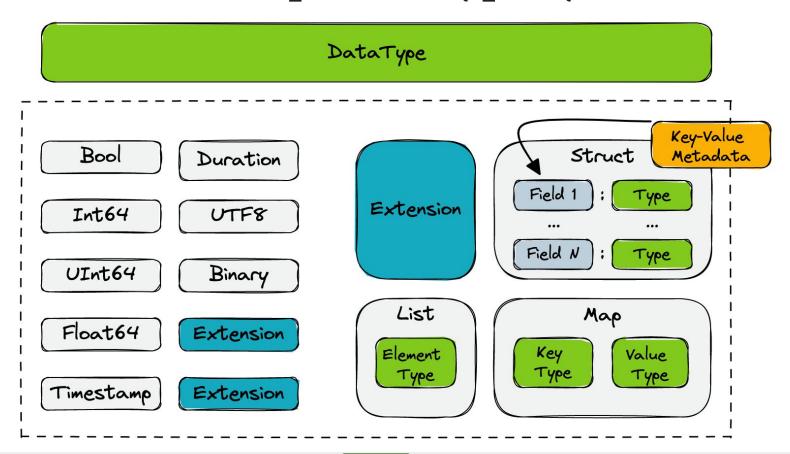
Arrow Data Plane and Engine



Rich-Typed Data Model



Arrow-compatible Type System



Summary

- VAST: embeddable engine for processing high-volume security telemetry
- **Arrow**: key enabler for security analytics
 - Bridges ecosystems via data interoperability
 - Provides standardized framework for heavy data lifting
 - In-memory: RecordBatch, Table
 - Persistence: Parquet, Feather
 - Versioning: FlatBuffers
- An open platform for data-first detection and response



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