Viasat Metadata Journey

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Community Meeting 01/15/21

Current State of Data and Users
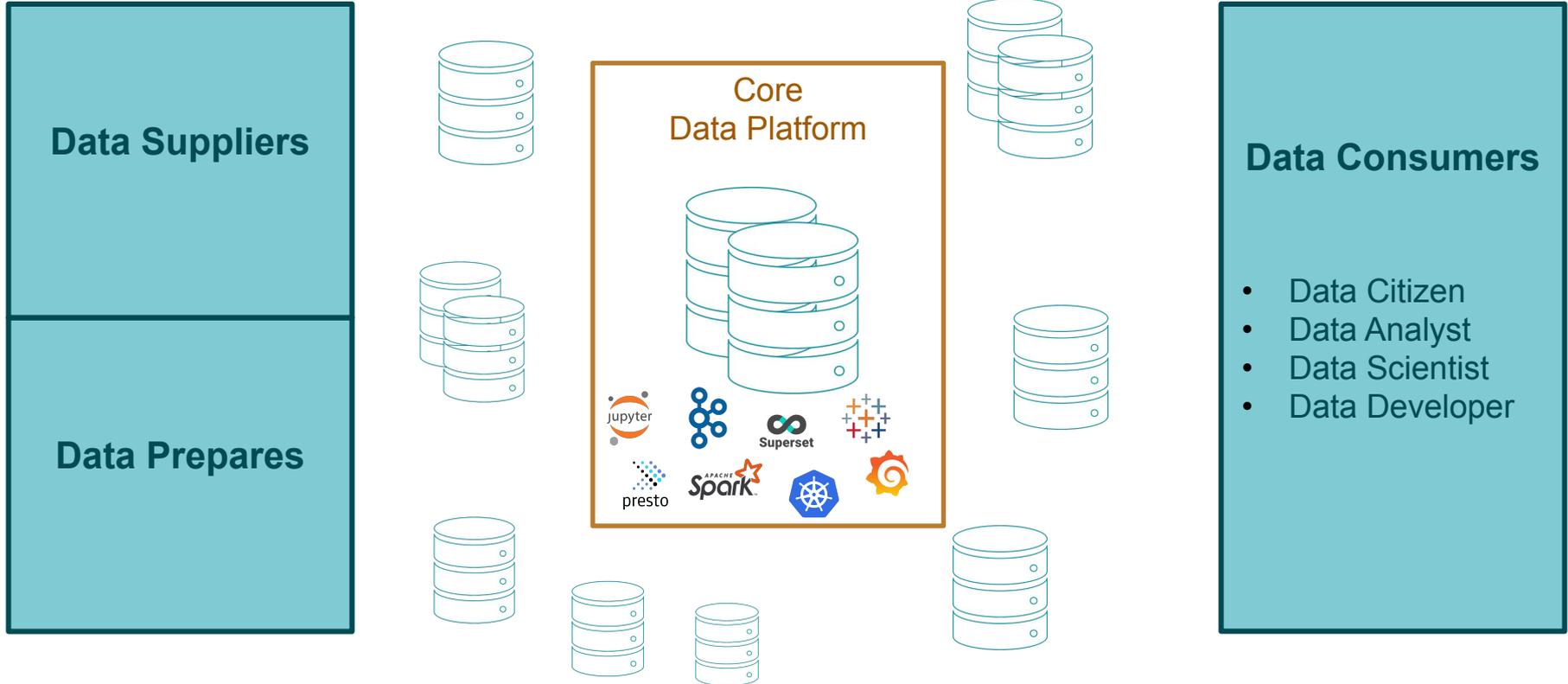
Multiple Challenges

Siloed knowledge about data

- Inefficient use of data
- Slow Analytics

Siloed data infrastructure

- Increased operational costs
- Increased operational complexity

Compliance complexity

- Financial Risks

Technology Evaluation

Apache Atlas

Amundsen

DataHub

Netflix Metacat

Features and Criteria
- Functionality
  - Search, lineage, metadata ingest, security
- Data Model Flexibility
- Ease of development
- Ease of operations
- Scalability
- Roadmap
- Community rating

Backend but not UI

- Previously Existing Interface
  - Access requests
  - Basic Search
- Feedback and product metrics about our users
- Flexibility of integrations with our tools
  - Global metrics store
  - Potential data visualization integrations
  - Compliance reports

Our Experience

Operations

Modeling

Community

Today

- Production and Dev Setup
- Harvested data within core data platform
  - Kafka, SQL DBs, S3 data lake
- Integrated with our UI

Future

- Ingest more Viasat data
- Compliance Taxonomy and integration
- Lineage
- Dashboards and Reports
- ML Models and Features
- Metrics
- Data Quality Integration