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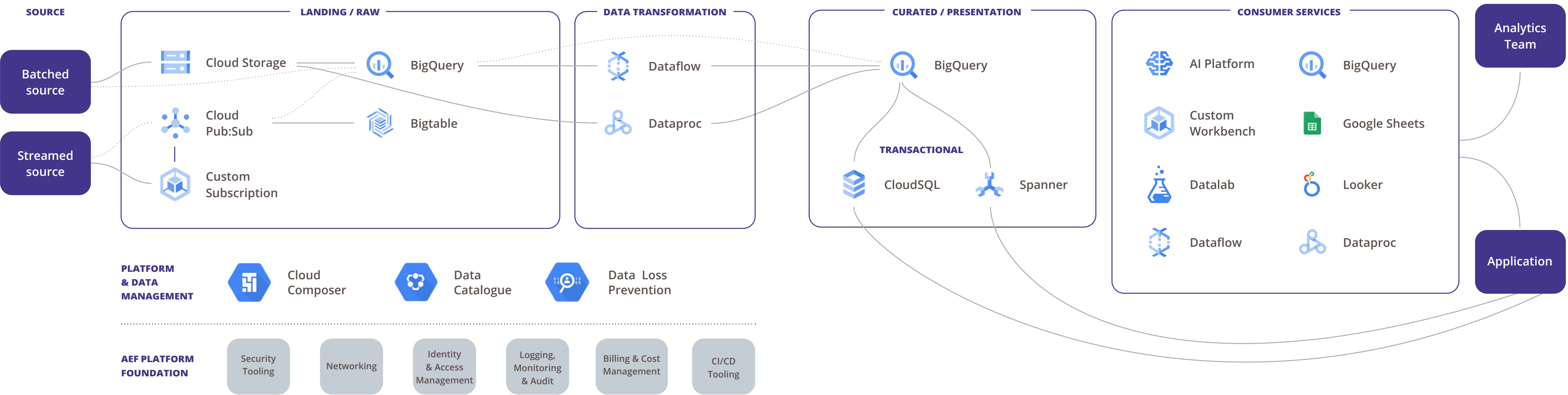SPECIALIZATION
Data
Analytics
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Create. Consolidate. Elevate.

If your organisation wants to become data native, then the Modern Data Platform is the single most critical layer.

Modern Data Platform

Capabilities & Architecture

SOURCE

- Batched source
- Streamed source

LANDING / RAW

- Cloud Storage
- Cloud Pub:Sub
- Custom Subscription
- BigQuery
- Bigtable

DATA TRANSFORMATION

- Dataflow
- Dataproc

CURATED / PRESENTATION

- BigQuery

TRANSACTIONAL

- CloudSQL
- Spanner

CONSUMER SERVICES

- AI Platform
- Custom Workbench
- Datalab
- Dataflow
- BigQuery
- Google Sheets
- Looker
- Dataproc

Analytics Team

Application

PLATFORM & DATA MANAGEMENT

- Cloud Composer
- Data Catalogue
- Data Loss Prevention

AEF PLATFORM FOUNDATION

- Security Tooling
- Networking
- Identity & Access Management
- Logging, Monitoring & Audit
- Billing & Cost Management
- CI/CD Tooling

Key Benefits of a Modern Data Platform

Advanced Capabilities

- Adopt ML and AI capabilities to help you deliver more value out of your data

- Automated reporting, consistent dashboarding across your organisation, and insight on demand

- Real-time data ingestion as a key feature - turn an event into action in seconds

- Deploy automated systems of engagement with ML & AI using ephemeral compute and containers

- Accelerated hardware on pay-as-you-go such as TPUs and GPUs

Modern Data Tools

- Decoupled data layers allow you to keep all raw data, while building conformed and curated data sets

- Store data from $15/TB/year

- Full point in time data replay as required

- Serverless architecture allows you to focus on the value add, reducing operational and administrative complexity

- Built with security and regulatory compliance from the start

- Streaming and batch, support for complex orchestration

Modern Warehousing

- Serverless data warehouses scale to match your demand - queries that used to take hours can be done in seconds or minutes

- Scale from TB to PB amounts of data without having to reconfigure

- High throughput networking allows you to exploit ephemeral computing and avoid concurrency issues

- ML in the warehouse with BQML

- Query anywhere with BigQuery Omni

- Flexible data storage formats following best practises from Data Lakes

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