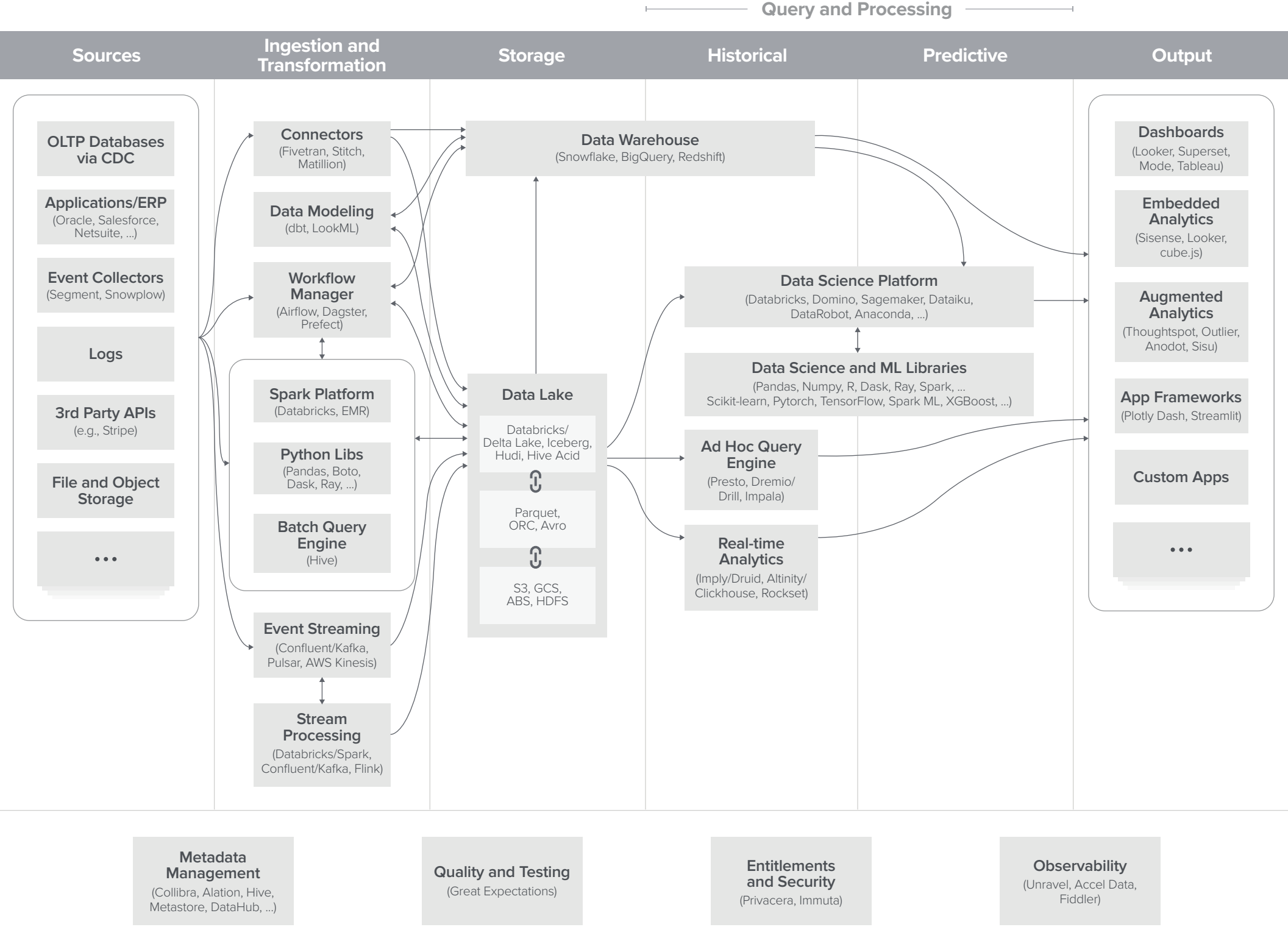


The Big Picture for an Analytics Platform

(Note: Does not include the Prescriptive Column yet)



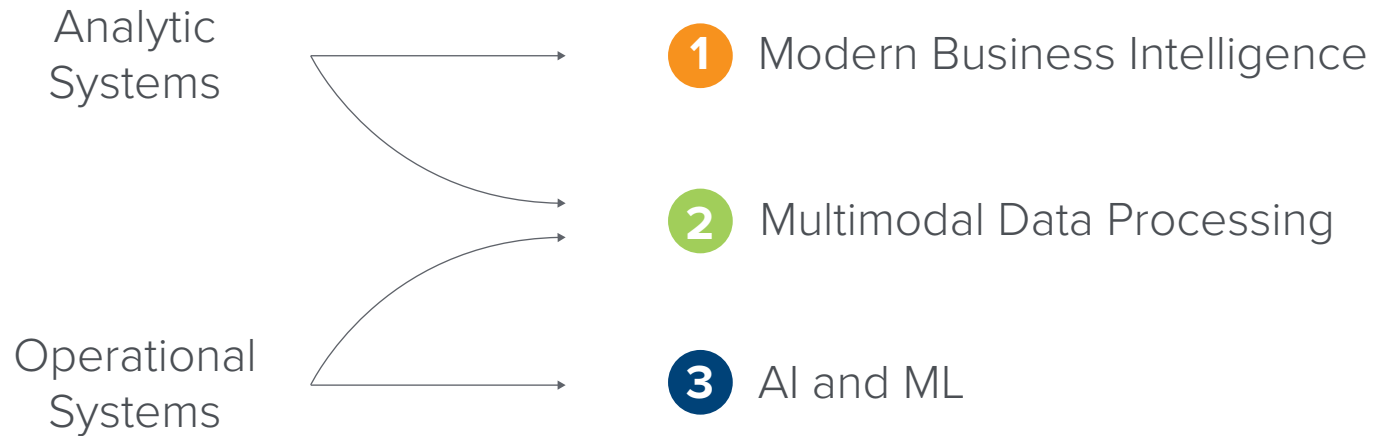
Architectural Themes

(Note: Does not include the Prescriptive Column yet)

Query and Processing

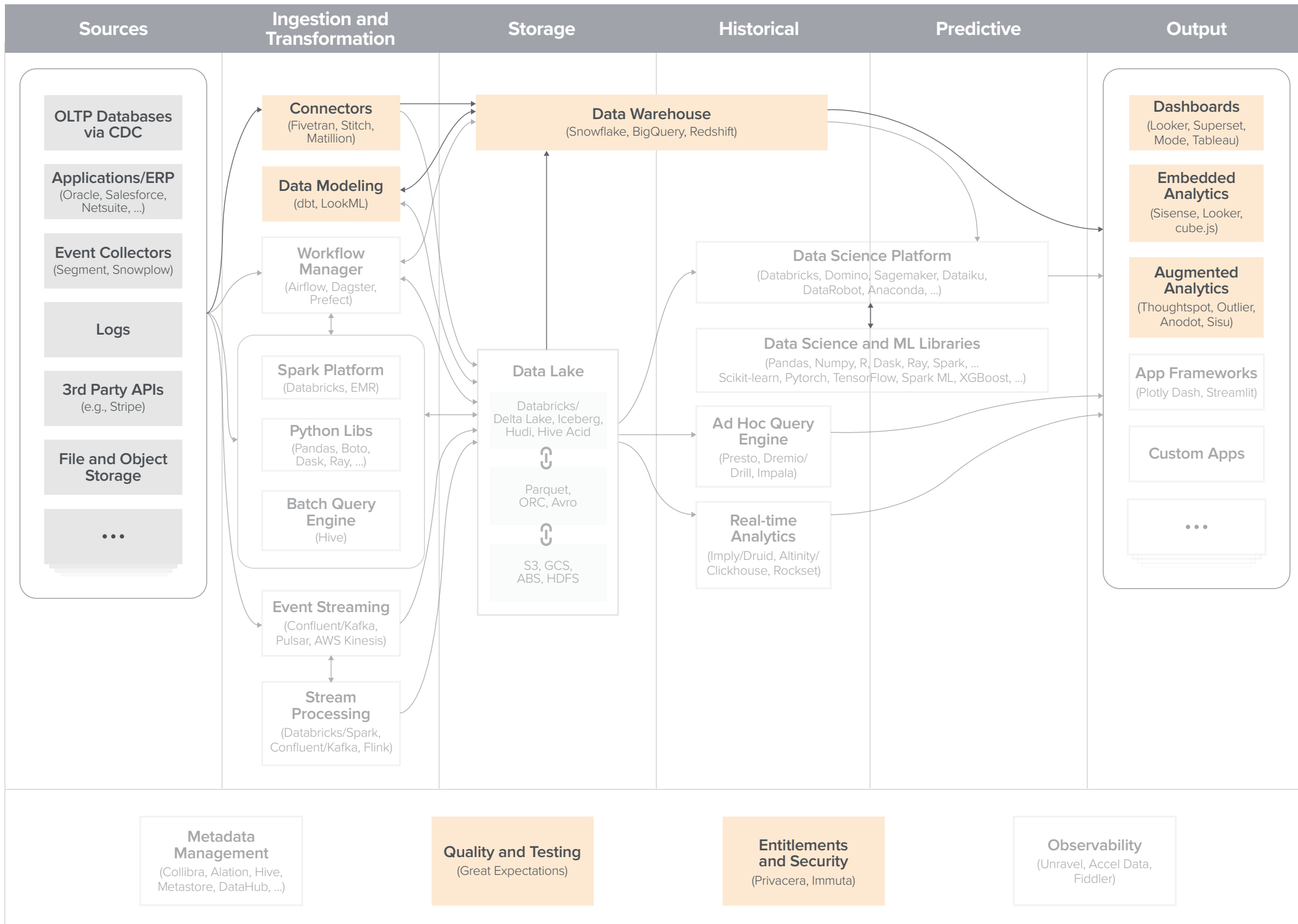
Sources	Ingestion and Transformation	Storage	Historical	Predictive	Output
Generate relevant business and operational data	<div>Extract data from operational systems</div> <div>Deliver to storage, aligning schemas between source and destination</div> <div>Transform data to a structure ready for analysis</div>	<div>Store data in a format accessible to query & processing systems</div> <div>Optimize for low cost, scalability, and analytic workloads (e.g., column store)</div> <div>In some cases, provide additional data structures or guarantees</div>	<div>Provide an interface for analysts and data scientists to derive insights (query)</div> <div>Execute queries and data models against stored data, often using distributed compute (processing)</div> <div><div></div><div>Describe what happened in the past (including very recent past)</div><div>Predict what will happen in the future</div><div>Build data-driven/ ML applications</div></div>	<div>Present results of data analysis to internal and external users</div> <div>Embed data models into operational systems and applications</div>	
<div>Coordinate the flow of data and the execution of computations across the full lifecycle</div> <div>Ensure proper data quality, performance, and governance of all systems and datasets</div>					

The Common Blueprints



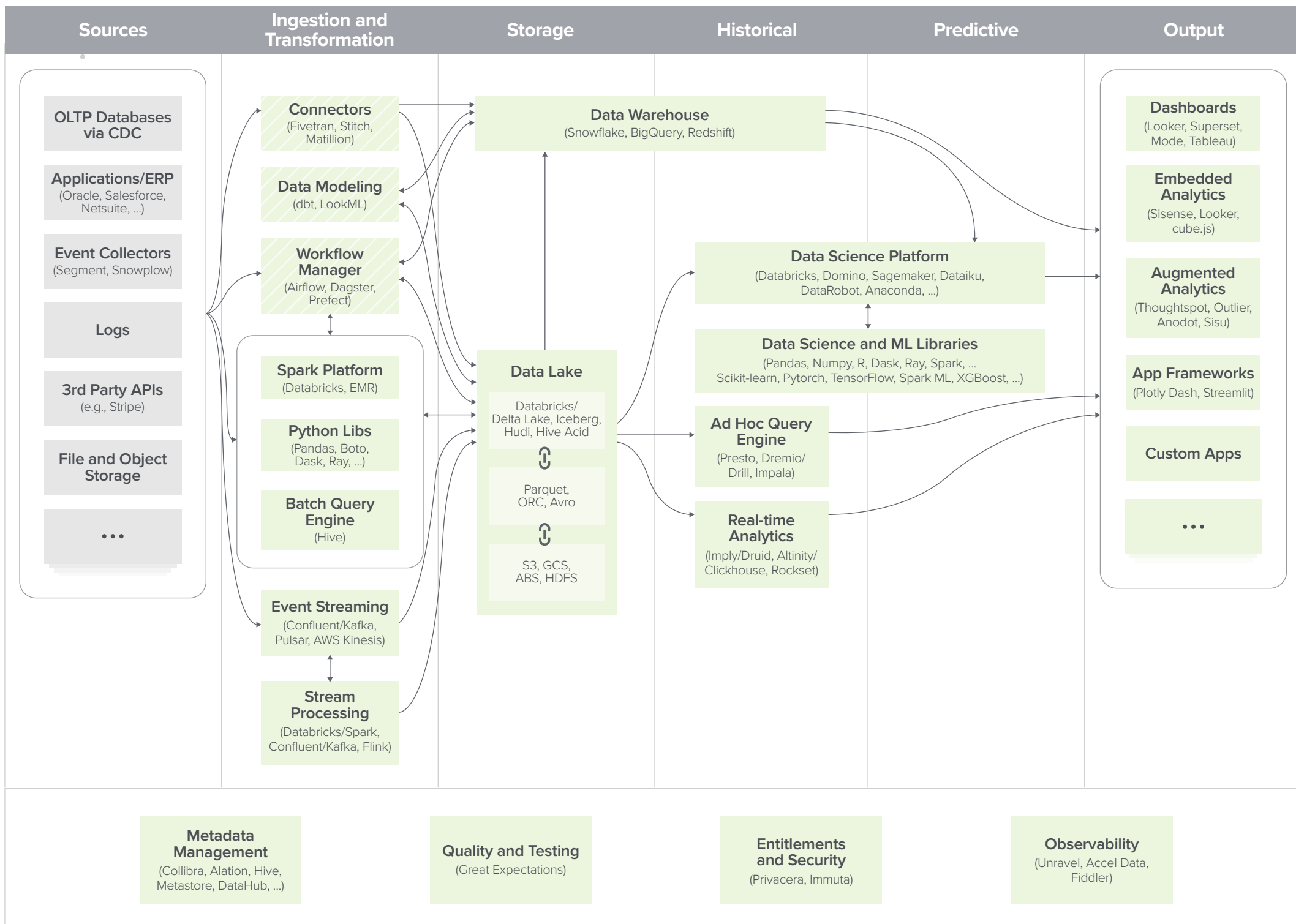
1. Modern Business Intelligence Blueprint

Query and Processing



2. Multimodal Data Processing Blueprint

Query and Processing



3. AI and ML Blueprint

