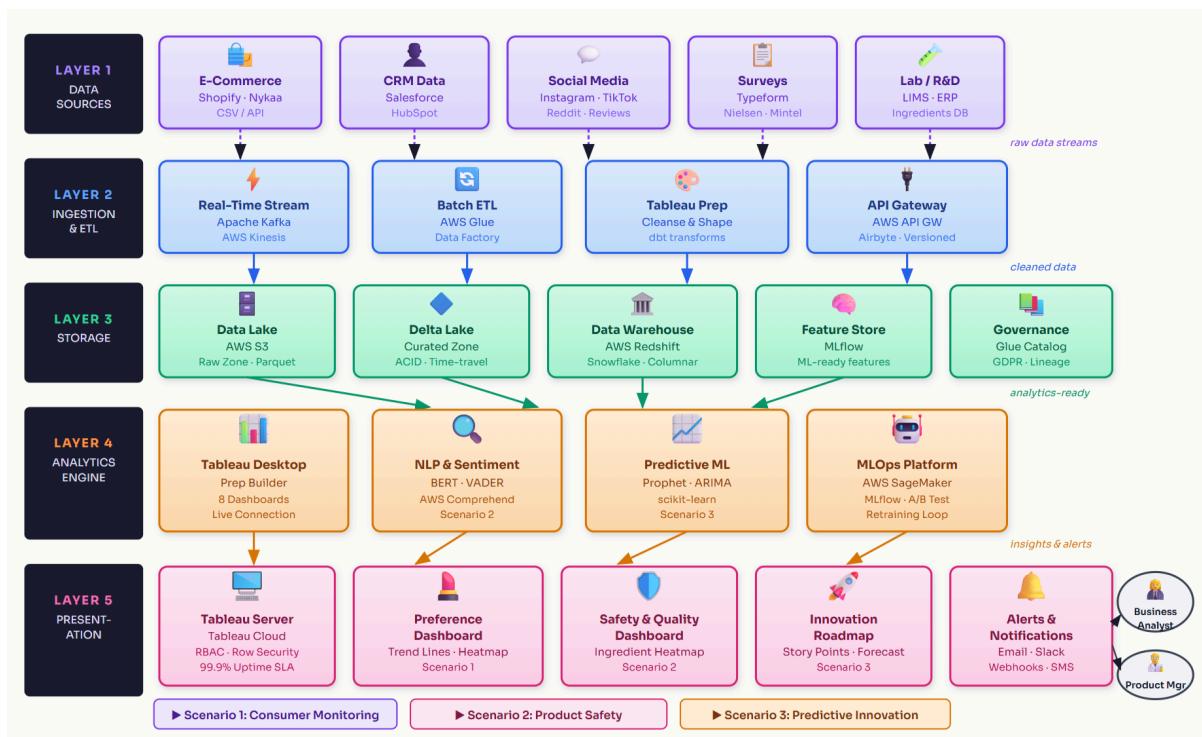


Project Design Phase-I Solution Architecture

Date	15 February 2026
Team ID	LTVIP2026TMIDS74272
Project Name	Cosmetic Insights: Navigating Cosmetics Trends and consumer insights with tableau
Maximum Marks	4 Marks

Solution Architecture:

Solution architecture is a complex process – with many sub-processes – that bridges the gap between business problems and technology solutions. For the Cosmetic Insights project, the architecture connects multiple cosmetics data sources to an analytics and visualization pipeline powered by Tableau, enabling real-time consumer preference monitoring, product safety detection, and predictive trend analysis.



Solution Architecture Goals:

1. Find the best tech solution to solve existing cosmetics business problems — connecting 5 data source types into a unified analytics pipeline.
2. Describe the structure, characteristics, behavior, and data flow of the Tableau-based analytics platform to project stakeholders.
3. Define features, development phases, and solution requirements across 4 sprints covering data ingestion, dashboard development, ML modeling, and deployment.
4. Provide specifications according to which the solution is defined, managed, and delivered — including GDPR-compliant data governance, role-based access control, and 99.9% dashboard uptime SLA.