

Getting started

Starting with a 30,000-ft view, most FSI's will have a multitude of data sources scattered across on-premises systems, cloud-based services and even third-party applications. Building a batch ingestion framework that caters for all these connections require complex engineering and can quickly become a burden on maintenance teams. And that's even before considering things like change data capture (CDC), scheduling, and schema evolution. In this section, we will demonstrate how the **lakehouse architecture for financial services** and its ecosystem of partners can be leveraged to address these key challenges and greatly simplify the overall architecture.

The lakehouse architecture is designed to provide a unified platform that supports all analytical and scientific data workloads. Figure 1 shows the reference architecture for a decoupled design that allows easy integration with other platforms that support the modern data ecosystem. The lakehouse makes it easy to construct ingestion and serving layers that operate irrespective of the data's source, volume, velocity, and destination.

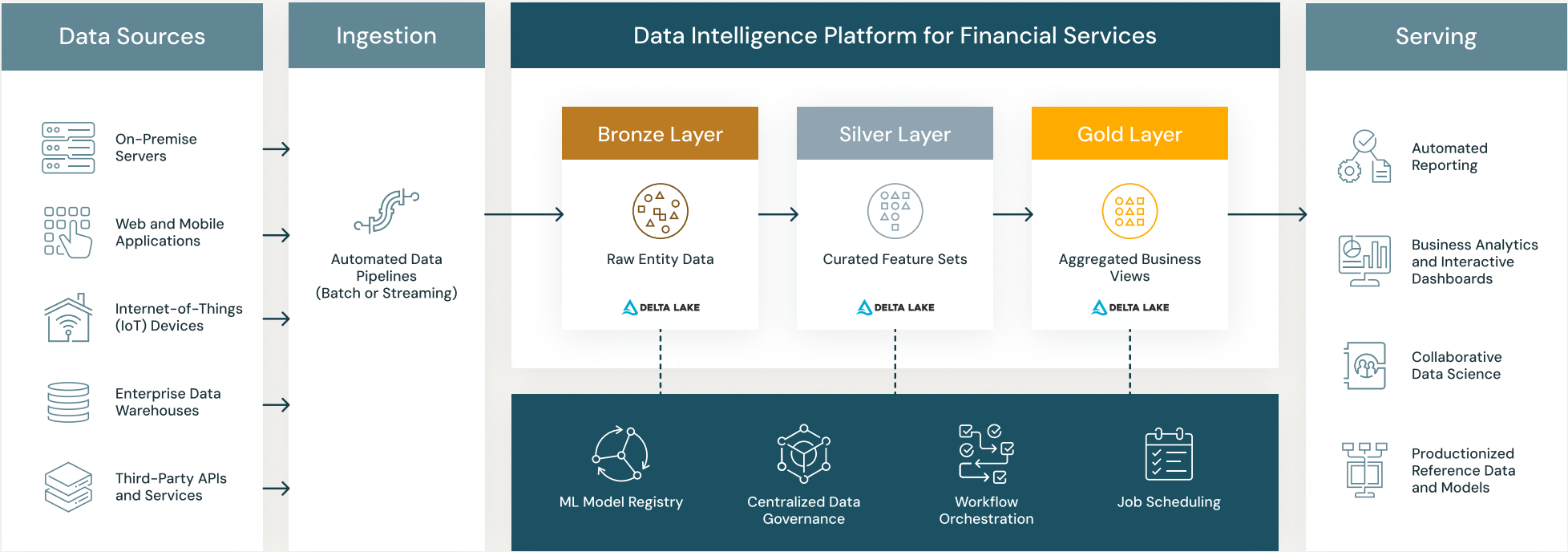


Figure 1 — Reference architecture of the lakehouse for financial services.