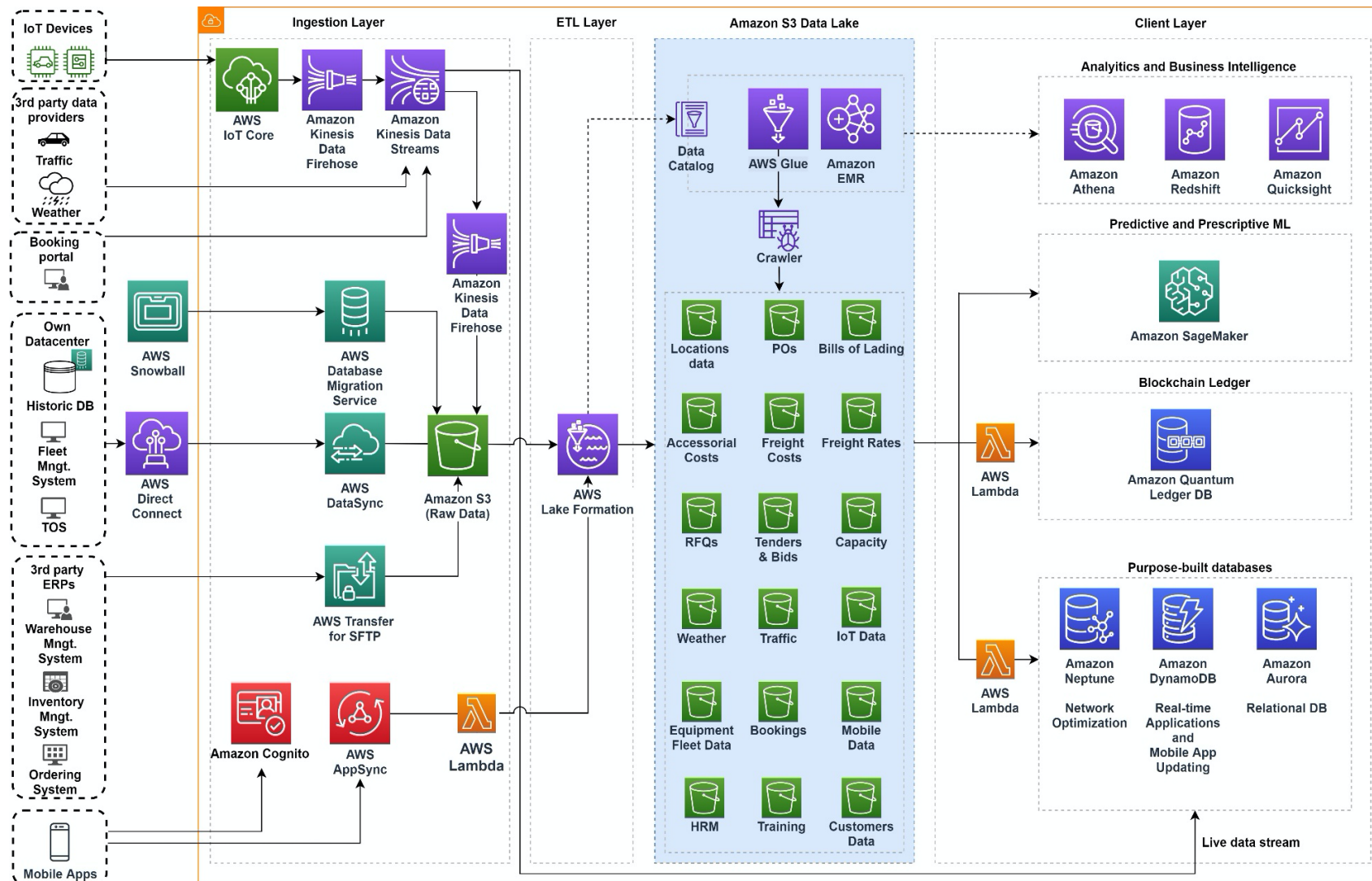


Transportation and Logistics Data Lake

Enable transportation and logistics companies to break data siloes and create a single repository for their data from multiple sources. This fully managed, pay-per-use and scalable architecture removes the complexity and costs of managing and synchronizing on-premises databases, establishing a unique source of truth for the business.



- 1** Ingest data from multiple sources: historical, large DB with **AWS Snowball**, real-time data with **Amazon Kinesis**, ERPs data synchronization with **AWS DataSync**, and mobile app data with **AWS AppSync**.
- 2** Automatically extract, transform, and load raw data with **AWS Lake Formation**, discovering schemas and creating a data catalog for further data exploration.
- 3** Create an **Amazon S3** data lake where your business-critical data can be stored, organized, and accessed in the most secure, resilient, and cost-effective way. Use **Amazon EMR** to gain fine-grained control over your extraction, transformation, and loading (ETL) jobs, and **AWS Glue** to manage your data catalog.
- 4** Turn raw data into actionable knowledge with **Amazon Athena** and **Amazon QuickSight**, disseminating key business intelligence insights across your organization. Use **Amazon SageMaker** to deliver machine learning (ML)-based predictive and prescriptive analytics.
- 5** Use AWS fully managed databases to deliver specific capabilities: **Amazon Neptune** graph database enables network optimization, **Amazon Aurora** runs queries five times faster than standard MySQL databases, and **Amazon DynamoDB** supports interactive mobile and web apps with real-time updates. Avoid data latency with live data stream ingestion from **Amazon Kinesis**.

