

Catalog and Data Sources

Parquet

CSV

Extension
Catalog / Table

...

Extension
Frontend

SQL

DataFrame

Front Ends

LogicalPlan

Extension Node

Optimizations /
Transformations

Extension
LogicalPlan Rewrite

Plan Representations and Rewrites

ExecutionPlan

Extension Node

Optimizations /
Transformations

Extension
ExecutionPlan Rewrite

Expression Eval

HashAggregate

Join

...

Sort

Extension
Stream

Streams

Execution Engine