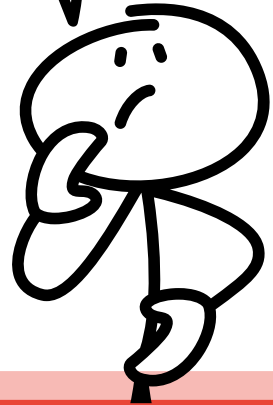
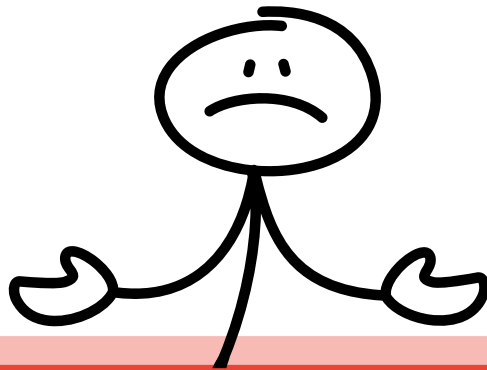


Dataflow for Real-time ETL/Integration

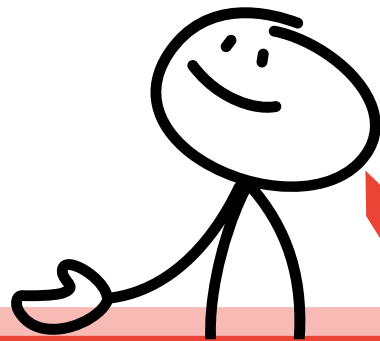
We're losing customers because we can't keep up with the pace of the business!



Trust me, I know! Our dashboards are only updated monthly.



Imagine the insight's we'd gain if we analyzed data in real-time with Dataflow!



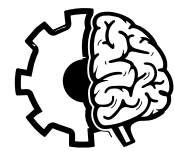
Here's how Dataflow can help your business...



Faster Decision Making



Operational Efficiency



Smarter ML models



Fresher Dashboards

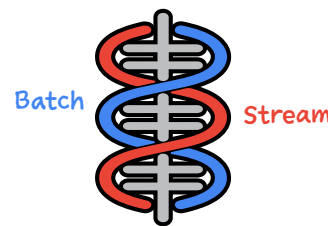


Better Data

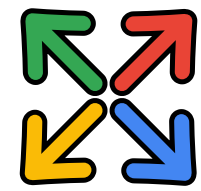


Superior Customer Experiences

Take a look at these technical benefits. Sweet!



Unified codebase for batch and streaming pipelines with Apache Beam



Massive scalability to handle batch and streaming workloads with ease



Cost-effective processing with automatic resource optimization

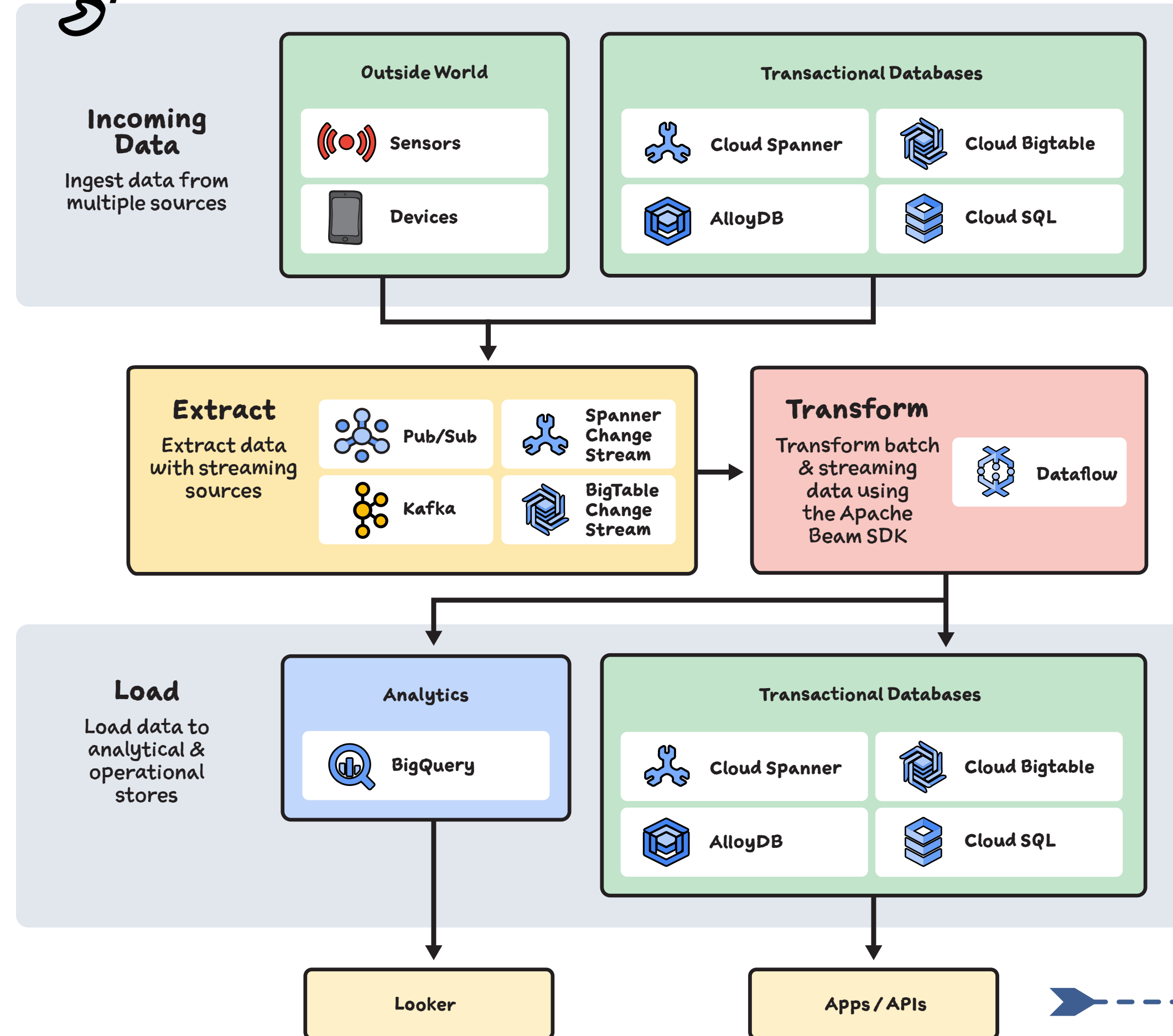


Simplified operations with built-in fault tolerance for your data



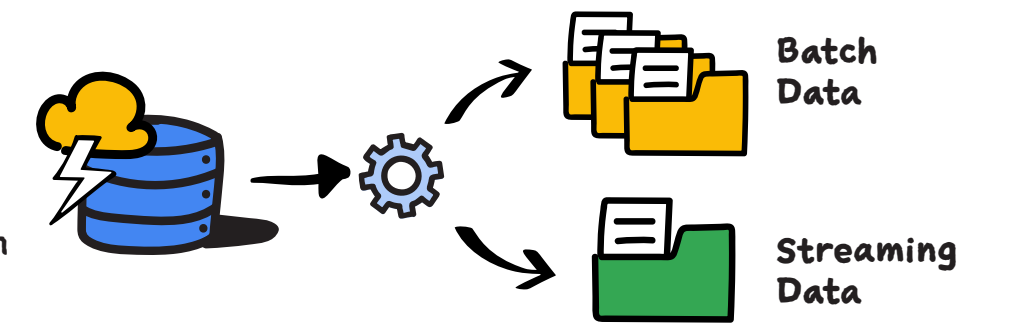
Comprehensive monitoring for full visibility into pipeline health & performance

And here's the architecture diagram that covers how Dataflow for real-time ETL/Integration works...



What is Dataflow?

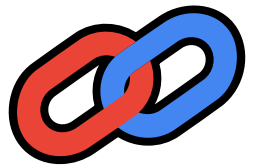
It's a serverless data processing service for both streaming & batch data.



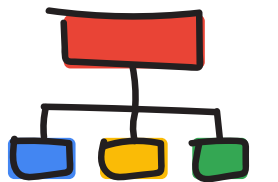
Keep in mind...



If deduplication is not needed, enable at-least-once mode for lower costs & faster processing



Leverage off-the-shelf Beam I/O connectors and Dataflow managed connectors to simplify code & minimize costs



Structure your data with Beam schemas for seamless integration across different databases



Weigh tradeoffs between latency & completeness of your data when selecting window configuration