APACHE DRILL

SQL for noSQL

What is Apache Drill?

- A SQL query engine for a variety of non-relational databases and data files
 - Hive, MongoDB, HBase

Not Cassandra

- Even flat JSON or Parquet files on HDFS, S3, Azure, Google cloud, local file system
- Based on Google's Dremel



It's real SQL

- Not SQL-Like
- And it has a ODBC / JDBC driver so other tools can connect to it just like any relational database



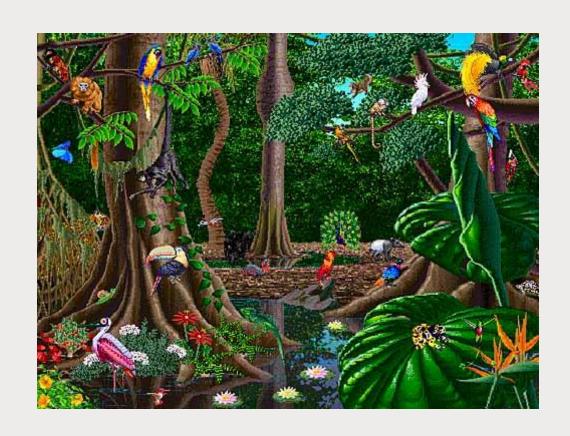
It's fast and pretty easy to set up.

- But remember, these are still <u>non-relational databases under the hood!</u>
- Allows SQL analysis of disparate data source without having to transform and load it first
 - Internally data is represented as JSON and so has no fixed schema

You can even do joins across different database technologies

Or with flat JSON files that are just sitting around

Think of it as SQL for your entire ecosystem



Let's drill

- We'll import data into Hive and MongoDB
- Set up Drill on top of both
- And do some queries!

