

IBM DB2 to Presto SQL Engine Connector

Author: Brady Burke '20
Advisor: Dr. Madelene Spezialetti

Motivation

Why Presto?

- Data volumes are increasing every day
- Older systems are facing issues interfacing with today's standard
- Larger companies are adopting different data storage and access methods

Why DB2?

- Invented 36 years ago, DB2 is almost as old as SQL
- Utilized by tens of thousands enterprise businesses today

Goal

→ Provide improved software to IBM DB2 in order to lower costs, increase security, and improve speed

Now access your DB2 data where it lies

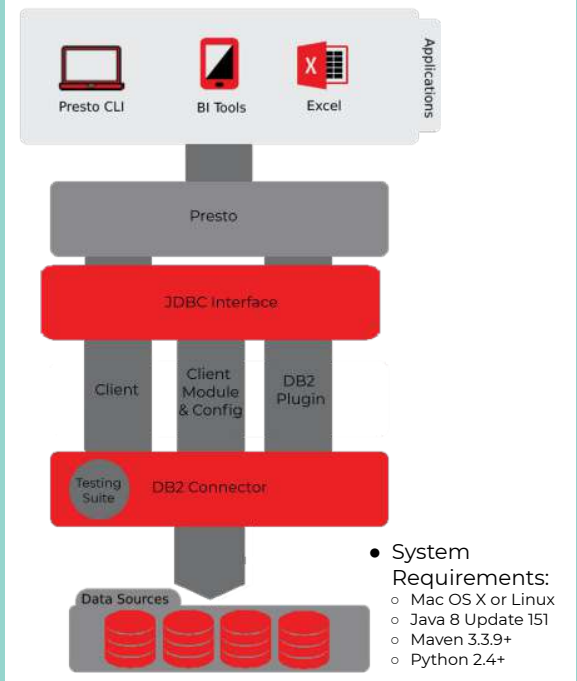


Using popular BI tools in real time.

Main Components

- DB2 Client → data mapping and statistics
- DB2 Client Module & Config → integrates the client as a module accessible by Presto
- DB2 Plugin → prepares code and executable JAR files
- Testing suite → validates my implementations

System Diagram



- System Requirements:
 - Mac OS X or Linux
 - Java 8 Update 151
 - Maven 3.3.9+
 - Python 2.4+