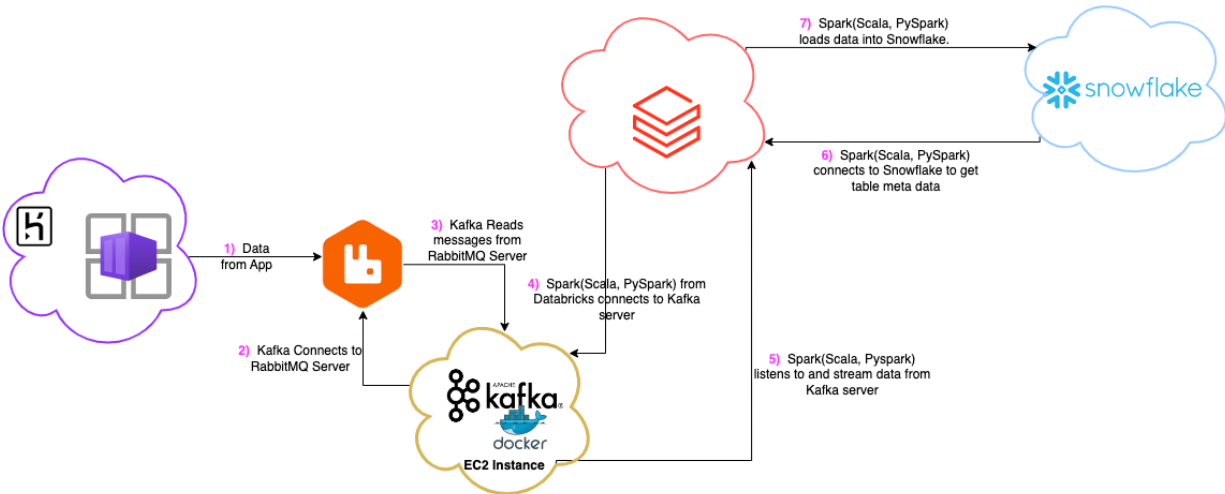# ETL Data Stream



### ▼ CDC with PostgreSQL in Heroku

It is currently impossible to perform CDC to external sources with Heroku as the database user needs to have at least a **Replication** role which can only be granted by a **Superuser**. Heroku doesn't permit Superuser Roles on its PostgreSQL Databases as the role is being used at a higher level to manage databases.

Heroku however, provides its own proprietary solution to achieve this.

### ▼ Heroku Streaming Data Connectors

The documentation for Heroku's proprietary data streaming can be found here → https://devcenter.heroku.com/articles/heroku-data-connectors

Using the documentation, I was not able to achieve data streaming to an external source. We needed to install some add-ons and plugins from some repositories which were no longer available. We also needed to spend 100$ each month for their Kafka Connector.

So, another route needed to be found.

### ▼ RabbitMQ → Kafka → Snowflake

The above image illustrates this solution