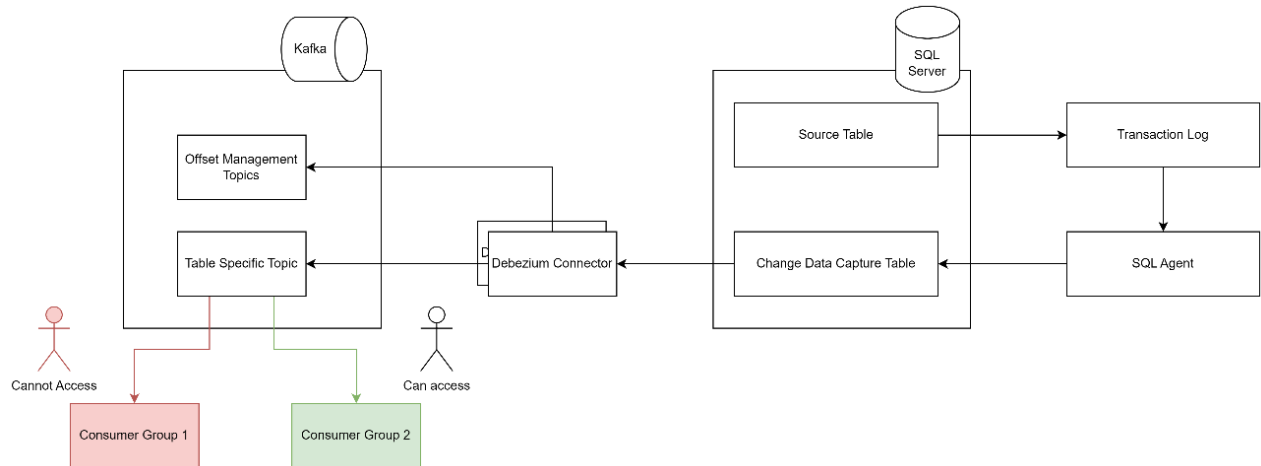


The purpose of this task is to demonstrate basic DevOps skills in settings up a network of components working together.



Create a Docker Compose, for which you will give a demonstration that will contain the following components:

- SQL Server
- Kafka
- Debezium Connector

You need to demonstrate:

- Setup SQL Server Image (https://hub.docker.com/_/microsoft-mssql-server)
- Setup any sample database, with sample data (e.g. <https://github.com/datablist/sample-csv-files>)
- Setup CDC on SQL Server (<https://learn.microsoft.com/en-us/sql/relational-databases/track-changes/about-change-data-capture-sql-server?view=sql-server-ver16>)
- Set specific permissions on SQL Server for the connector to read changes in the specific change data capture table.
- Setup Kafka (use official repo: <https://hub.docker.com/u/confluentinc>) for the following components (might not be exhaustive list)
 - Schema Registry
 - Zookeeper
 - Kafka
- Setup Debezium Connector for SQL Server (<https://debezium.io/documentation/reference/stable/connectors/sqlserver.html>)
- Setup proper permissions for the topic created on Kafka so that only consumer group 2 has access to the data.