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We Offer Wellness Report 5: ETL Code

Project status

Since the last report, I have completed the following tasks:

- Migrated the OLTP database and the DW to my laptop. It was too costly to host it on AWS, regardless of the fact that I chose the minimal settings. To avoid any unexpected charges, I decided to host them locally.
- Extracted from OLTP database based on timestamp (CDC-change data capture)
- Transformed Data to match DW schema

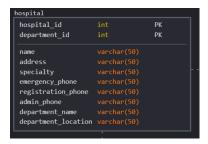


Figure 1: Hospital entity table in DW.

• Loaded Data to DW schema



Figure 2: Transformed data for Hospital entity in DW.

Project progress

Below, you can see the timeline of the project. The completed stages of the project are marked with bold font.

- \bullet 9/26/2021: OLTP database design.
- \bullet 10/10/2021: OLTP database implementation.
- \bullet 10/24/2021: DW design and implementation.
- 11/07/2021: ETL code.
- 11/21/2021: reports and analytics from DW database.
- 12/12/2021: end-to-end tests, project demo.
- 12/14/2021: final project report.
- TBA: final presentation.

Project planned work

• reports and analytics from DW database.