# Project Overview

BMS, a third-party logistics provider, seeks to enhance its data management capabilities by adding ETL pipelines to their existing data warehouse in Azure. The primary objective of this project is to enable efficient data integration from various sources into the data warehouse to facilitate logging and reporting needs of the business. Additionally, a robust data model will be developed to facilitate the creation of these Power BI reports.

# Objectives

The primary objectives of the project are:

* Analyze different datasources and create schema designs and optimal workflows
* Connect to sources and extract, transform and load the data into the datawarehouse
* Ensure data quality and reliability
* Create a data model

# Deliverables

The following deliverables will be expected from the project:

* Tables schema’s for all imported data
* Conceptual design of ETL pipelines
* All necessary pipelines
* Data model usable within Power BI
* Documentation of all constructed mechanisms in the datawarehouse

# Timeline

The estimated timeline for the completion of the project is 6 to 8 weeks.

Analysis: 2 weeks

Pipeline construction and data model creation: 4 weeks

Validation and documentation: 2 weeks

# Skills Required

The project engineer should have experience in the following areas:

* Datawarehousing
* ETL pipelines
* Microsoft Azure environment

The following technologies will be used:

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| * Microsoft Azure
* AWS
* MS SQL
* Oracle SQL
 | * REST API
* Azure Data Factory
* Azure Blob store
* Boomi
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