

# PRESENTATION LAYER

1

## OVERVIEW

Module Overview

2

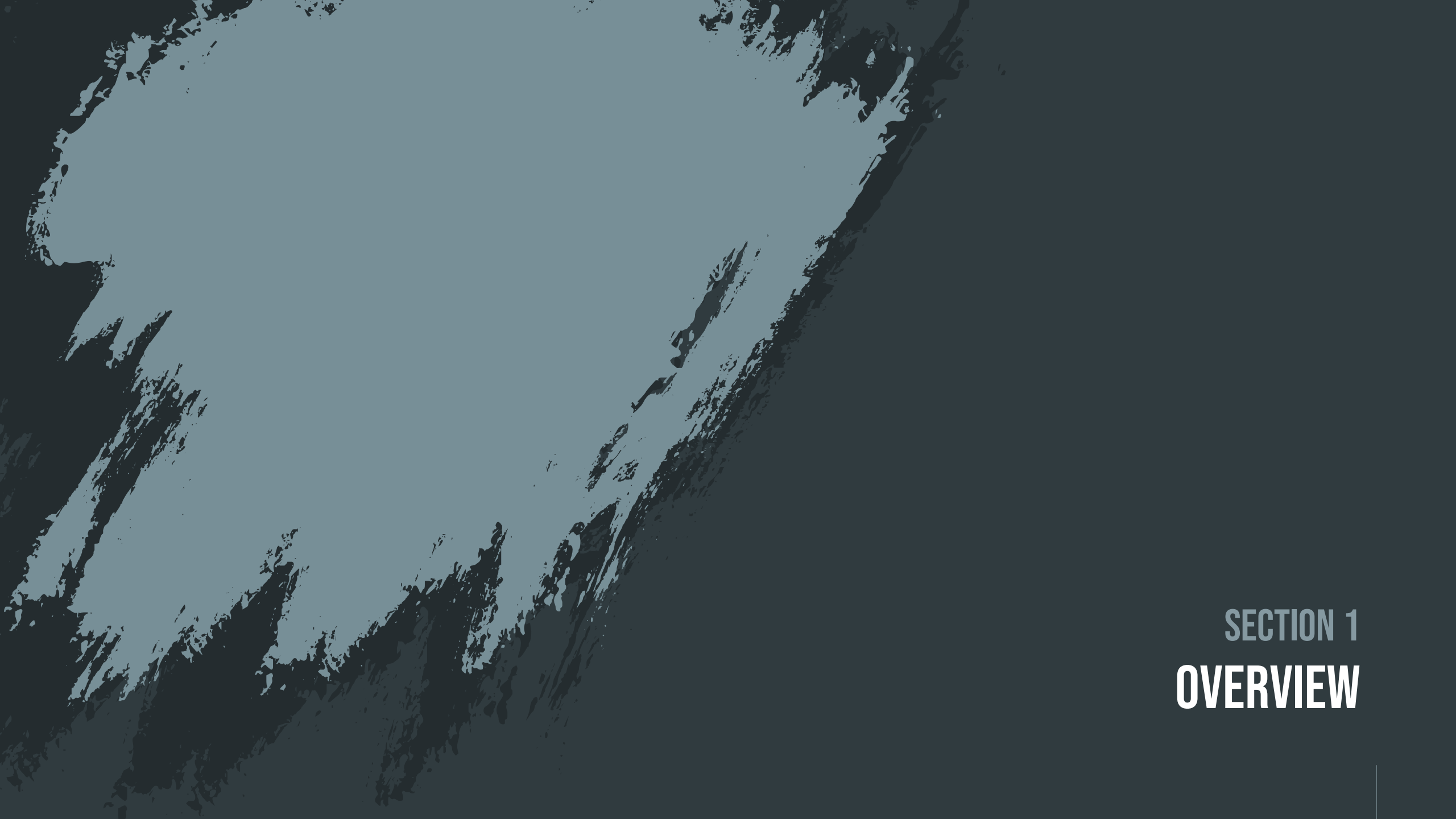
## POWERBI

Overview of PowerBI

3

## REPORT

Report Overview



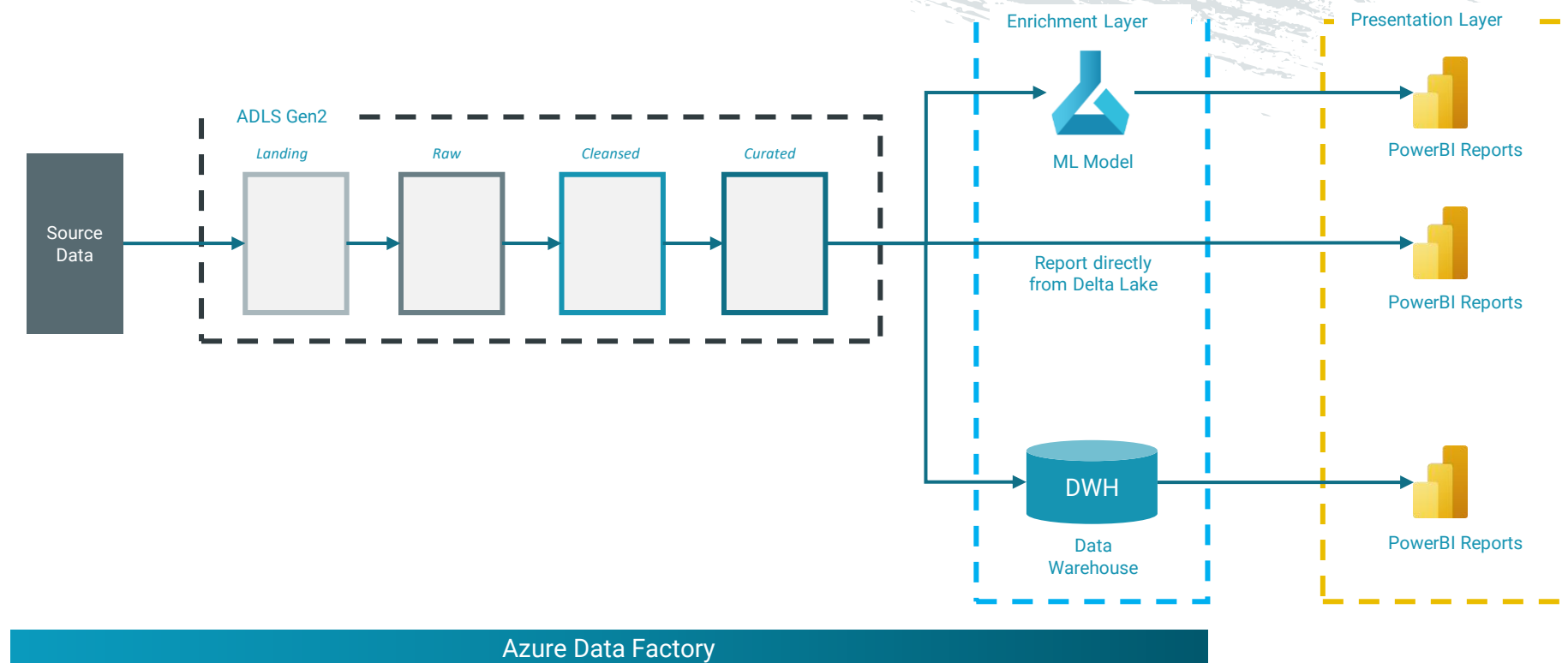
# SECTION 1

## OVERVIEW

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# OVERVIEW

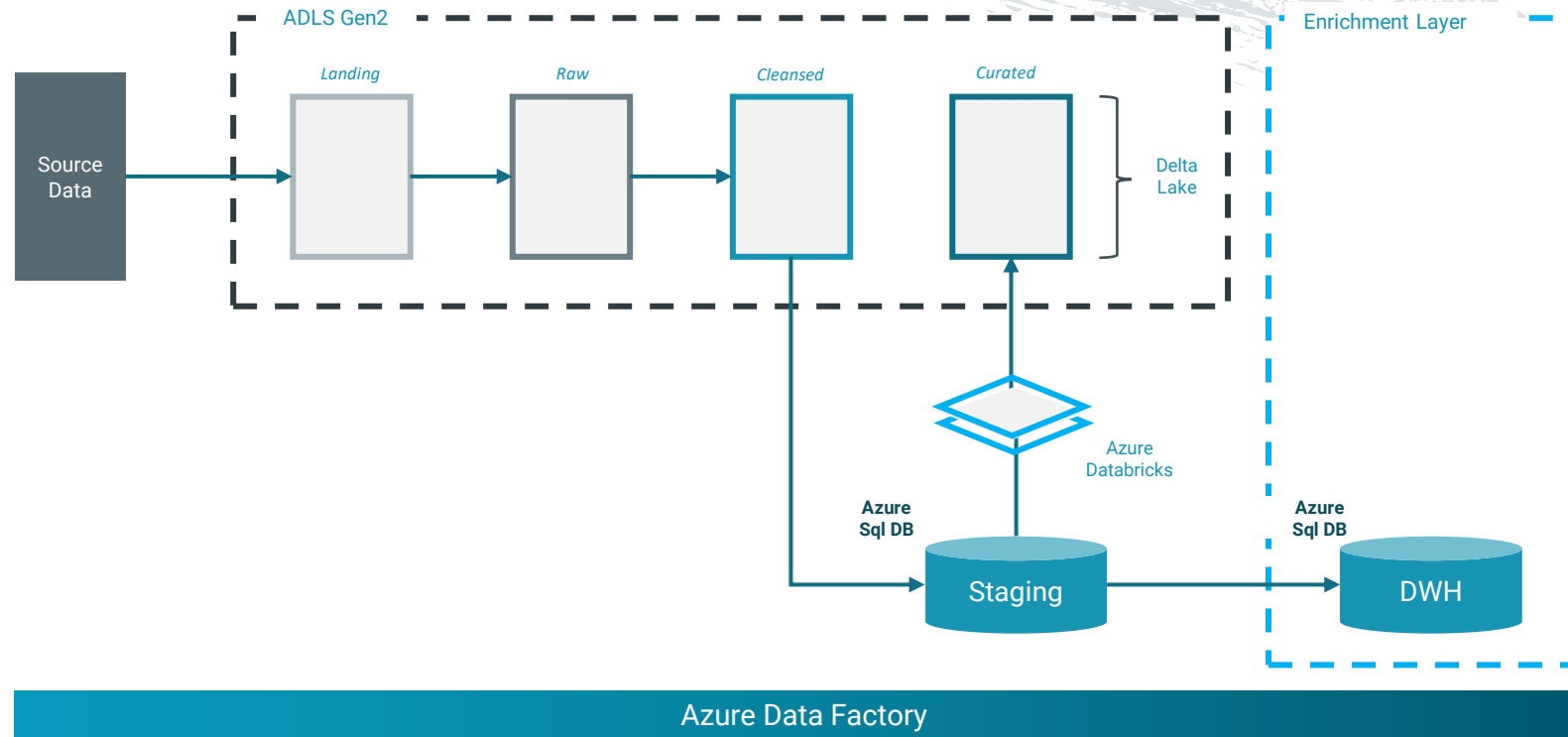
## Typical Modern Data Warehouse Architecture



*Typical Modern Data Warehouse Architecture with medallion layers for data refinement with Azure Components*

# OVERVIEW

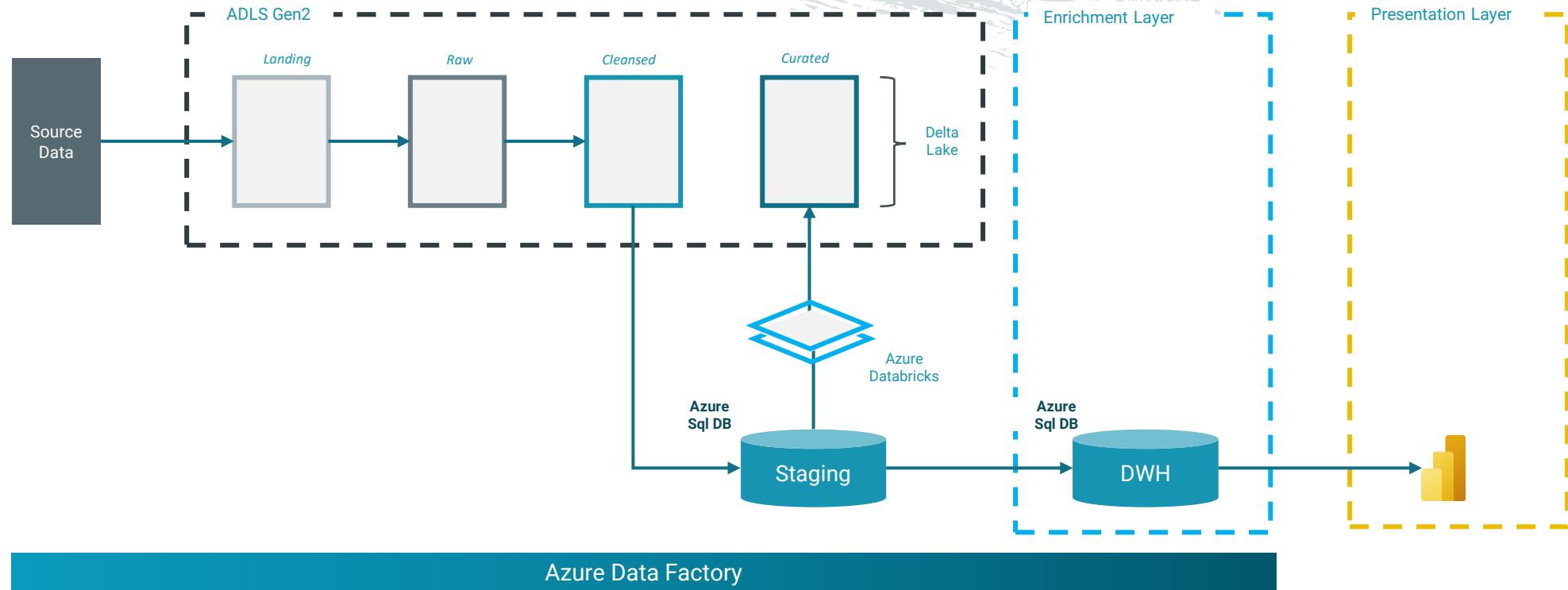
*What we implemented so far?*



*We took a slight detour from the modern data warehouse architecture*

# OVERVIEW

*What we will implement*



*We will now build the presentation layer to visualize our data and derive insights*



SECTION 2

# POWER BI

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# POWER BI

## *Power BI Overview*

### Screencast

Overview of the User Interface

Connecting to Data

Reviewing the Data Structure

Building the Report



## SECTION 3 REPORT



# REPORT

*What insights did the business want to derive?*

02

## ANALYTICS

- Lack of an Analytics System
- Online sites provide monthly sales data in different formats
- Integrating data and deriving insights takes a lot of time

03

## SALES ANALYSIS

- Which Products sell the most?
- Which stores contribute the most?
- Do Vintage and Score influence sales?



04

## PRODUCT CATEGORY

- Which type of wine, vintage, and score should we focus on?
- Which type of store products should we focus on?
- Which province's wines should we focus on?

# MODULE SUMMARY

In this module we learnt



## OVERVIEW

We got an overview of the solution architecture and the presentation layer.

We got an overview of the Power BI user interface



## INTEGRATION

We learnt how to connect Power BI to the Azure Sql DB Data Warehouse.



## HANDS-ON

We learnt how to build a Power BI report.

We learnt how the business could derive insights from the data warehouse using Power BI.

# REFERENCES

Power BI Desktop Download

<https://powerbi.microsoft.com/en-us/downloads/>

Creating Reports and Dashboard in Power BI

<https://learn.microsoft.com/en-us/power-bi/create-reports/>

From Dimensional Model to Power BI Report

<https://learn.microsoft.com/en-us/power-bi/create-reports/desktop-dimensional-model-report>