✓ 100 XP ▶

Introduction

1 minute

Large-scale data warehousing solutions combine conventional data warehousing used to support business intelligence (BI) with techniques used for so-called "big data" analytics. A conventional data warehousing solution typically involves copying data from transactional data stores into a relational database with a schema that's optimized for querying and building multidimensional models. Big Data processing solutions on the other hand, are used with large volumes of data in multiple formats, which is batch loaded or captured in real-time streams and stored in a *data lake* from which distributed processing engines like Apache Spark are used to process it.

Learning objectives

In this module, you will learn how to:

- Identify common elements of a large-scale data warehousing solution
- Describe key features for data ingestion pipelines
- Identify common types of analytical data store and related Azure services
- Provision Azure Synapse Analytics and use it to ingest, process, and query data

Next unit: Describe data warehousing architecture

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