

How Data Lake and Data Warehouse useful in Big Data?

As big data gets bigger, the increasing volume of data and data sources can easily overwhelm data engineers. A data lake puts that all in one simple, cost-effective, and configurable repository.

Data comes from many types of sources. In fact, businesses rarely come to a data-driven decision with just one source. Instead, it takes numerous inputs, and much of that can be unstructured.

Data Lakes place these all in a single repository, saving time , effort , and cost.

A data lake enables an enterprise to store all of its data in a cost effective, elastic environment while providing the necessary processing, persistence, and analytic services to discover new business insights.

A data lake stores and curates structured and unstructured data and provides methods for organizing large volumes of highly diverse data from multiple sources.

With a data warehouse, you perform data transformation and cleansing before you commit the data to the warehouse. With a a data lake, you ingest data quickly and prepare it on the fly as people access it.

A data lake supports operational reporting and business monitoring that require immediate access to data and flexible analysis to understand what is happening in the business while it it happening.

