

THE MODERN DATA WAREHOUSE FRAMEWORK

WHY USE MICROSOFT AZURE?

OUR WORLD IS DRIVEN BY DATA. THIS REQUIRES A NEW KIND OF DATA WAREHOUSE SOLUTION. ONE THAT DELIVERS:



Cloud Elasticity



On-Demand Scalability



Rapid Provisioning



Protection and Data Security



Transformative Data Insights

WITH AZURE:



Provision your data warehouse in minutes



Scale your compute to meet peak and off-peak demand



Decouple storage and compute for cost flexibility



Grow your storage, on-demand, to handle petabyte scale data files



Handle exponential data growth across all data types



Compatibility with the BI tools you already love

READY TO GET STARTED WITH DATA WAREHOUSING ON AZURE?

8 GUIDELINES FOR BUILDING A MODERN DATA WAREHOUSE IN AZURE

1

Ingest Data In Its Raw Form Into A Data Lake

Use Azure Data Lake Store or Azure Blob Services for flexible, unlimited storage designed for analytics and analysis.

2

Define Raw And Cured Zones Within Your Data Lake

Eliminate the need to transform data before it is loaded. Store raw data in a Data Lake Store and create cured zones where data will be transformed for the business's specific use cases.

3

Create Cured Zones By Transforming Raw Data At Scale

Use Azure HDInsight or Azure Data Lake Analytics to transform your data and extract valuable insights.

4

Apply The Appropriate Schema On-Read For Agile Analytics And Data Science Workloads

Rather than schema on-write, schema on-read allows each user to apply their own "data-lens" to interpret the data.

5

Add Machine-Learning And Analytics For Advanced Analytics

Include HDInsight, R Server Clusters or Azure Machine Learning to your Data Lake Store to do advanced analytics on scale.

6

Process Large Amounts Of Structured Data In A Dimension Star Schema Format

Set up an Azure SQL Data Warehouse if you use structured data most of the time to make your data more available and provide on-demand flexibility.

7

Provide A More Business-Friendly And Concurrent Access To Data

Extract aggregates into Azure SQL Database and added Azure Analytics Services to deliver a business-friendly semantic layer.

8

Use Self-Service Visualization Tools To Visualize Data And Operationalize The Dashboards

Build interactive data visualization with Power BI to deliver actionable insights that support agile and flexible decision-making.



INTERESTED IN MORE TIPS FOR BUILDING A MODERN DATA WAREHOUSE ON AZURE?

DOWNLOAD OUR EBOOK