··· Future-Proof Azure Data Platform

The world is getting more and more complex every day, and so is your data. Extracting value from this data maze is only possible with a future-proof, scalable, connected and user-friendly data platform. Luckily, Azure offers all the services to make this possible.

A data Platform should have maximum connectivity to all possible data sources and data applications. Special attention has to be given to streaming data (real time/near-real time) which is becoming more and more prevalent in today's hyper-dynamic world. All this should be made possible in a cost-efficient way and while maintaining a user-centric approach.

At Algorhythm, our experts can guide you from design to implementation, migration and operationalization of a future-proof performant data platform in Azure. Our blueprint consists of a data lakehouse architecture, supplemented with a high velocity streaming data components. All this with special attention to data management and good governance.

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··· THE PROBLEM

Managing large volumes of ever-changing data brings about multiple challenges. These challenges often stretch the capabilities of many legacy data environments, leading to problems such as:

Lack of flexible scalability, both performance and cost wise.

Limited connectivity, leading to siloed and not-integrated data.

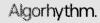
Incompatibility of different data types, coming from a variety of source systems.

Lack of an Al-ready data environment.

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Limited adoption due to a lack of user-focus and usability.

Outdated systems, blocking digital ambitions.



THE SOLUTION

Migrate and Operationalize

Prioritize implementation and migration based on business value, cost and risk. Supplement with support and managed service offering.

Setup Platform

Setup platform with special attention to security, access management, data management, monitoring and orchestration.

Design Target Architecture

Design a future-proof data architecture in Azure, often based on a lakehouse setup, combined with streaming capabilities.

Requirements and Use Cases

Stakeholder interviews to uncover (non-) functional requirements. Workshops to identify and detail current and future use cases.

Assessment Current State

Technical assessment of current state on different dimensions: data, tech, skills, processes,...

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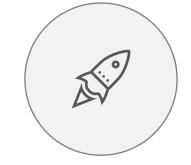
Benefit #1

Manage all your businesscritical data in one single central integrated data platform: clarity, usability, performance, value creation!



Benefit #2

Be ready for every possible future scenario, flexibility and cost-efficiency. Enable AI, ML, streaming data analytics, collaboration, self-service,...



Benefit #3

Lay a technical data foundation to build your data driven organization upon. Enable digital transformation, data driven work. Unlock a competitive advantage.