

BIG DATA & ANALYTICS - WHAT IS IT ABOUT?

Big Data and Analytics has been the buzzword in the business world for several years now. According to Wikipedia, big data is a field that treats ways to analyze, systematically extract information from, or otherwise deal with data sets that are too large or complex to be dealt with by traditional data-processing application software. As the Volume, Velocity and Variety of the available data grow even faster everyday, it continues to be a challenge for organizations and companies to process such huge data to properly evaluate its Veracity and extract its Value (the 5 V's).

With years of experience helping our clients building (big) data solutions and solving (advanced) analytics problems on Azure, we have established a common blueprint for any **Big Data and Analytics** solution with 5 stages:

Monitoring (Azure Log Analytics, Azure Monitor, Azure Notification Hubs.)				Reporting (Power BI)			
Data Analytics					••••		
Historical Analytics / Business Intelligence (Azure Analysis Service, Azure Synapse Analytics etc.)				Predictive Analytics / Artificial Intelligence (Azure ML Studio, Azure Databricks, Azure Cognitive Services etc.)			
Data Storage							
Structured Data Store (Azure SQL DB, Azure Synapse etc.)		Semi-Structured (Azure Cosmos DB, Azure				Non-Structured Data Store (Azure Blob Storage, Azure Data Lake Store etc	
Data Ingestion/Processing							
Batch Ingestion/Processing (Azure Data Factory, Azure Databricks, Azure Function, SSIS etc.)				Stream Ingestion/Processing (Azure Event Hubs, Azure loT Hubs, Azure Stream Analytics etc.)			
Data Sources							

For different use cases, different components of each stage can be combined to build into a complete solution.



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WHAT DO WE OFFER?

In addition to the **Foundation** and **Advanced** layer of our **Managed Cloud Services for Azure** we also offer consulting service in **Big Data and Analytics**. Within the 3 defined blocks of **Plan**, **Build** and **Optimize** we offer modular services and help you achieving your goals to establish a high performing big data analytics framework on Azure.

Plan

- Status Quo Assessment
- · Architecture Design
- · Technology Evaluation
- Cost Estimation
- Strategy Alignment



Build

- Proof of Concept/Value
- Data Engineering
- Data Science (ML, Al)
- Insight Visualization
- Enterprise Reporting



Optimize

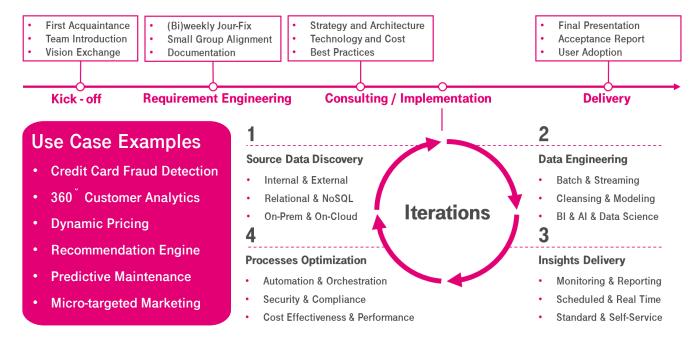
- DevOps Integration
- Process Automation
- User Training/Adoption
- Cost Optimization
- Compliance Assurance



Regardless of whether you are new to Azure and want to build a green field big data application or there is an on-premise analytics solution that needs to be migrated and modernized on Azure, we can offer you best practices in our consulting sessions or directly help you to build the solution with our development team, as the trusted advisor throughout your data journey.

OUR APPROACH

After we have the first exchange about team members and visions in the kick-off meeting, we will quickly start gathering requirements via regular and ad-hoc alignment sessions to make sure we completely understand you. Depending on whether you already have an own team of data engineers and/or data scientists we will implement our consulting services based on your requirements with/without a development process (normally in several agile sprints). Together with you we ensure every requirement is well understood, documented and realized in the best way, until we have together built the planned solution and achieved your vision. With a final meeting we deliver the solution with a presentation and in return a signed acceptance documentation from you.





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