# Data Platform Modernization

Data Platform Modernization is used to identify an **end-to-end Business Intelligence and Analytics solution** built leveraging the cutting-edge cloud-native services offered by the **Azure Public Cloud Services**.

BIP guides his customers in migrating and modernizing legacy data warehouses to Public Cloud by enabling new paradigms for data-driven organizations.

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# Business Benefits

## Cost Benefits
- Elimination of up-front investment
- Elimination of on-prem related OpEx
- Reduction of EDW daily administration costs
- Consumption based pricing

## Reduce time to market
- Deliver customer apps quickly

## New AI use-cases
- Off-the-shelf AI capabilities

## Unlock real-time insights
- Re-act quickly to changes

## Security
- Build with the Highest Standards for Privacy and Data Security

## Business Continuity
- Reduce business disruption

## Service Model
- Restructuring IT costs

## Flexible work
- Greater flexibility in how employees work

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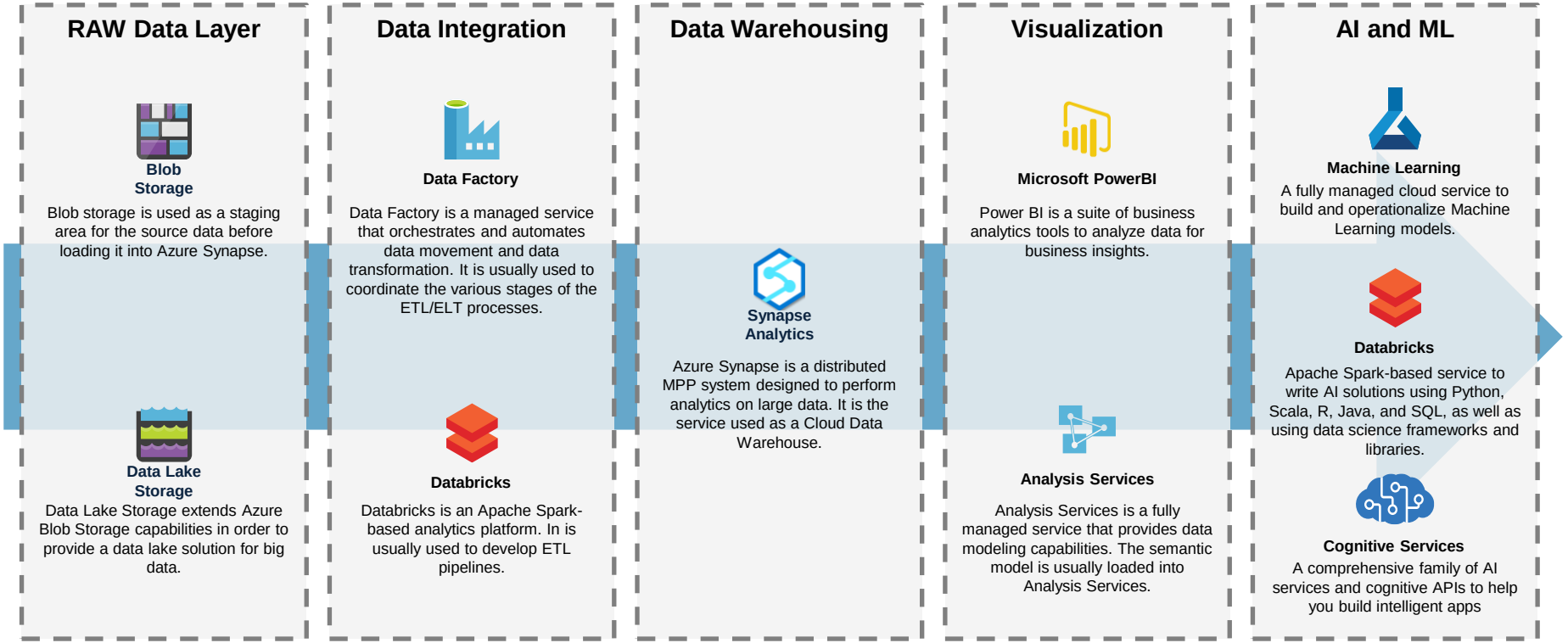
# Data Platform Modernization on Microsoft Azure

Microsoft Azure provides a suite of cloud-native services to define an end-to-end Data Analytics solution.

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# Approach to Data Platform Modernization for Analytics

Keeping in mind four areas of intervention, the approach is to set up a three-step approach to sustain the evolution of the key fundamentals towards the Data Platform Modernization for Analytics

## Components

**Strategy** — Set the cloud strategy (hybrid, multi-cloud, etc.) and business reasons

**Data Architecture** — Design the high- and low-level cloud data architecture

**Data Integration** — Design, implement and optimize data model and pipelines to consistently integrate enterprise data

**Analytics** — Enable data scientists and data analysts for self-service analytics

## Approach

### 1. ASSESS

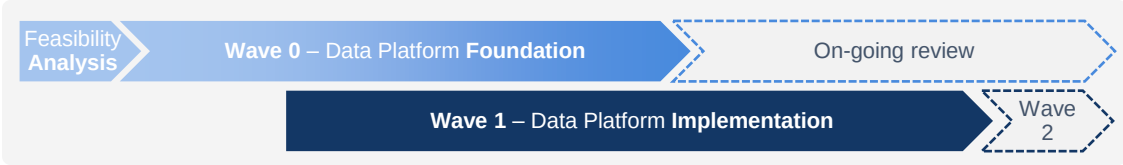
Definition of the strategic direction and understanding of the as-is to assess the technical and economic feasibility, evaluate the architecture, organizational maturity and availability of the data.

### 2. CONCEPTUALIZE THE FOUNDATION

Identification and prioritization of initiatives with a clear roadmap for execution to be targeted and co-creation of the main Data Architecture pillars to build a solid foundation

### 3. EXECUTE, MEASURE & IMPROVE

Activation and configuration of cloud architectural components, development of the integrated enterprise data model, ingestion/transformation pipelines and implementation of analytical and BI use cases

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