



# Modern Analytics : Enable Insights with Azure Synapse

Use the power of the Microsoft cloud data platform to answer quickly to new business priorities and use the power of data to provide information that can be used with new technologies in a context where traditional solutions no longer efficiently address business issues



## Business Challenge

Begun a few years ago, the Cloud shift is no longer an option. Performance, scalability, lower costs, are the main drivers for adopting PAAS or Serverless architectures.

But a switch to the cloud cannot be done without addressing a much wider scope (choice of Cloud Platform, choice of application bricks, migration strategy and operating mode, creation of tailor-made adoption plans, etc.)

Combining new approaches, Azure Synapse added value is to provide a high performance, scalable and integrated solution with the benefits of Data Lake and Datawarehouse enabling BI, analytics, machine learning (ML) functionalities and also provide data governance capabilities to manage data across the organization to break the siloes and informational compartments.

## What is our offer value?

Companies need to rethink their architecture and make it evolve towards cloud environments. As such, Saegus assists its customers with its experts to support their data strategy in shaping a vision of their future architecture on Azure and enabling their enterprise data platform end-to-end with :

- Ingestion and processing capabilities
- Storage and analytics functionalities
- Governance new features with Azure Purview

Saegus helps its customer from scoping to build and industrialization phase :

- Perform Data Platform assessment
- Design and enable cloud architecture
- Migrating On-Premises Enterprise DW to Azure Platform
- Dashboarding and reporting with Power BI
- Assets cataloging and setup of a data governance approach

## Why would customers adopt a Data Platform approach with Synapse ?

### Analytics

- An end-to end powerful, scalable platform to fit data-driven enterprise roadmap
- Powerful computing capabilities for analytics needs
- Spark integration providing high volume and Machine Learning capabilities
- On-demand SQL engine for data processing pipelines combine with native features built into Synapse

### Governance

- Access a unified view of the data estate of the organization
- Document data flows and processing across data life cycle
- Support new data organization and roles with a collaborative tool
- Open new perspectives and new usages by fostering collaboration and transversality



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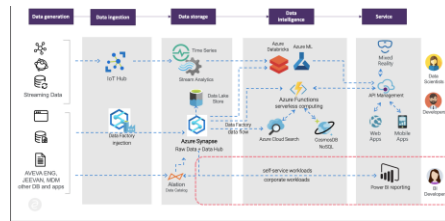
Azure Synapse & Purview

## How to succeed in 3 steps ?

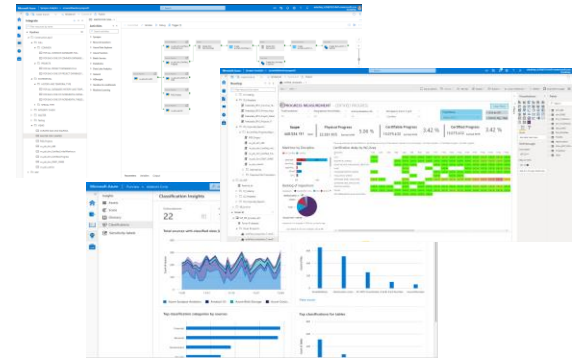
### 1 Audit & Scope

	Process Plants, O&M (pre-work, operations configurations, infrastructure interactions)	Projects	Corporate functions (HR, Finance, ...)
	<span style="color:red">●</span> needed but not covered	<span style="color:green">●</span> covered	<span style="color:green">●</span> covered
	<span style="color:green">●</span> covered	<span style="color:green">●</span> covered	<span style="color:green">●</span> covered
	<span style="color:green">●</span> covered	<span style="color:green">●</span> covered	<span style="color:green">●</span> covered
Basic			
Operational Reporting	<span style="color:green">●</span>	<span style="color:green">●</span>	<span style="color:green">●</span>
Dashboards	<span style="color:green">●</span>	<span style="color:green">●</span>	<span style="color:green">●</span>
Self-service analytics	<span style="color:green">●</span>	<span style="color:green">●</span>	<span style="color:green">●</span>
What-if (simple version, with few parameters)	<span style="color:red">●</span>	<span style="color:red">●</span>	<span style="color:red">●</span>
Predictive (forecasting, maintenance...)	<span style="color:red">●</span>	<span style="color:red">●</span>	<span style="color:red">●</span>
Document – content search	<span style="color:red">●</span>	<span style="color:red">●</span>	<span style="color:red">●</span>
Data Sharing (with clients)	<span style="color:red">●</span>	<span style="color:red">●</span>	<span style="color:red">●</span>
Simulators (ex: digital twins)	<span style="color:red">●</span>	<span style="color:red">●</span>	<span style="color:red">●</span>
Advanced			
Documents extraction	<span style="color:red">●</span>	<span style="color:red">●</span>	<span style="color:red">●</span>

### 2 Design



### 3 MVP



## Tangible Benefits / Desired Outcomes

A successful move to cloud and data platform modernization to benefit from your new solutions on Azure Synapse to support the enterprise data strategy

- Based on the definition of current usages but also of future needs (facilitation of Data thinking workshops)
- A unified and modern architecture based on Azure Synapse data platform
- A controlled migration to shorten TTM with tailor-made services for different types of profiles (consumers, analysts, engineers, scientists, etc.)
- A fast approach to setup the platform, deliver quick insights and first use cases
- A centralized data inventory with Azure Purview to value the companies' data assets and initiate a global data governance approach (automate data discovery, lineage identification, and data classification)
- Access Azure Purview's powerful insight features to control sensitive data and prioritize data management activities
- Onboard the stakeholders on the approach by prioritizing high value use cases in order to spread data culture across the organization and prepare the collaborators for their future role in the data organization.
- Support the deployment of data governance pillars : organization, processes, tools and data policies

## Why Saegus ?

With its technological expertise on Data Centric architectures and Data Governance, Saegus offers multidisciplinary team (architects, data engineers, program pilots, governance experts, etc.) capable of tackling this complex subject across all its dimensions, business , technical, organizational, human. We developed a three levels approach : **Initiate**, **Build** and **Scale** to enable Data Driven initiatives from a proof of value to the deployment of a global and industrialized Data Platform across the entire organization.



Our added value is to provide to our customers a tailor-made support coupling a strategic vision with an operational approach to deliver high value use cases with an agile methodology to guarantee the success of your projects.

Concrete references and feedbacks available to our customers.