



Microsoft Synapse

3 DAY - Synapse Analytics Workshop

9-hour workshop in 3 days (3 hours per day)

Day 1 - Connectors and Data Ingestion

- Typical architectures.
- In your Azure Cloud or ours, we will create together a Synapse Analytics resource on which we will run the whole Workshop.
- We will use test data or data from your own company to create ingestion processes and explain the different options offered by Synapse Analytics.
- Installation of IR to retrieve data on-premise or private networks, how to get it back from a Cloud (AWS, Google Azure, etc.).
- Incremental loads.
- Secure connections with Keyvault.

Day 2 - Data Transformation - Data Lake - Spark Pool

- Deploy the Spark Pool, setup Spark, options and resources.
- Transformations with Synapse notebooks in Python language and PySpark bookstore.
- Parquet format in Delta Lake (ACID, etc.)

Day 3 - Consume Data with Views & Power BI and Process Monitoring

- Lakehouse concept.
- Views creation.
- Access data in SQL.
- Connect to Power BI.
- Monitoring Pipelines, triggers, usage, etc.

Our solutions

1. Data Analytics

Providing Insights is no longer an option.

We collect and analyze data to provide value and information for decision making, presenting it in useful dashboards and reports with the best technologies on the market.

We apply advanced statistical techniques and artificial intelligence, providing a qualitative plus and allowing us to know the past while building the future.

2. DataPlatform

DataPlatform to empower analysts.

Flexible and scalable Big Data solutions with Azure Data Lake, Databricks and Synapse that accelerate decision making and innovation. Order information and make it available in a controlled way with Azure Purview.

The base for advanced analysis with Machine Learning and Artificial Intelligence.

3. Power Apps & Process Automation

Improve and automate the business process.

We simplify repetitive tasks, automate, digitize and optimize processes in organizations by creating powerful applications in record time with Power Apps and the Low Code philosophy. Integrated with RPA (Robotization of Processes) and Power Automate (Automation of Flows) providing dynamism, flexibility, efficiency and scalability.

You will browse through customized and friendly user interfaces that will allow the organization to work from anywhere.

4. Artificial Intelligence

We use the power of data and intelligence to accelerate the future of organizations.

We solve challenges that classical computing and analysis cannot solve and that are increasingly important to approach. You have a partner to improve each area, optimize operational processes, know what may happen in the future or save a lot of costs and inefficient investments.

We improve the levels of competitiveness and capacity to face current and future challenges with guarantees, betting on technology that simplifies the daily work, each time more precise and adjusted to your needs, with greater intelligence, collaborating with an innovative, legal and ethical environment.

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