Azure Synapse Analytics

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* Azure Synapse Analytics

integrated data Platform for
BI

Synapse Analytics		
Experence		
platform	Synapse Analytical studio	
	management	SQL | Python Java Scala
	security	provisioned on-demand
	monitoring	spark Data integratio
	metastore	
ADLS		common data model, optimized for analysis

* mardern data warehouse

→ Azure Synapse Ana

Ingest	Prepare	Transform
Azure Data factory	Azure data factory	Azure data factory
	Azure databricks	Azure databricks

Store
AOLS

Serve	visualize
Azure SQL data warehouse	power BI

SQL Analytics

- Best in class price per performance
- Industry - leading security
- Data Flexibility
- Data productivity

Azure Synapse Analytics

- limitless Analytical service
- give freedom to query data on your terms

which workloads are suitable

- Analytics
  → Store large volumn data
  → disparte data into single loc
  → shape, model, transformed
  → query analytics

- Additional analysis capabilities in Azure Synapse unlocks new ISV Scenarios

Azure data share   Ecosystem

              ASA

Power BI   Azure ML

Synapse studio

- Overview - quick access to common gestures, most recently used items
- Data - Structured & unstructured
- Develop - write code and bussiness logic
- monitor - centralized view of all resources usage

What workloads are not suitable?

- OLTP
  → High freq write & read
  → Large number of singleton selects

- Data preparations
  → Row by Row processing needs
  → incompatible format (xml)