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* Azure Synapse Analytics

- Azure synapse analytics is a limitless analytics service that brings together enterprise data warehousing and big data analytics.
- It gives you freedom to query data on your terms, using either serverless on-demand or provisioned resources at scale.
- Azure synapse brings these two worlds together with a unified experience to ingest, prepare, manage and serve data for immediate business intelligence and machine learning needs.

* Azure synapse SQL analytics focus areas

- Best in class price per performance.
- Industry-leading security
- workload aware query execution.
- Data flexibility
- Developer productivity.

* Leveraging ISV partners with Azure synapse Analytics

- Full backward compatibility with Azure SQL Data warehouse for data integration and orchestration.
- Additional analytics capabilities in Azure synapse unlocks new ISV scenarios.
- Azure synapse + ISV can bring data continuity with Azure Machine Learning & power BI.
- Reduce migration effort by reusing existing partner platforms.

* What workloads are Not suitable

• Operational workloads (OLTP)

- High frequency reads and writes.
- Large numbers of singleton selects.
- High volumes of single row inserts.

• Data Preparations.

- Row by row processing needs
- Incompatible formats (XML)

* What workloads are suitable

• Analytics.

- store large volumes of data.
- Consolidate disparate data into single location.
- Shape, model, transform & aggregate data.
- Batch/Micro-batch loads.
- perform query analysis across large datasets.
- Ad-hoc reporting across large data volumes.
- All using simple SQL constructs.

* Modern Data Warehouse

