

# Azure Synapse Analytics

















Paul's view on features.

Summary

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Capability	Feature	Status	Narrative
Primary	 Workspace	<div><div></div><div></div><div></div></div>	Deployment approach needs custom build, like what has been done for ADF.
	 Data Lake Storage	<div><div></div><div></div><div></div></div>	Consider permissions and integration if used as the metadata store and main data store.
	 Power BI Integration	<div><div></div><div></div><div></div></div>	Workspace integration unstable. Disconnected DevOps. No cross tenant support.
	 Spark Compute Pools	<div><div></div><div></div><div></div></div>	Still using Spark 2.4. Performance concerns. Cluster currency/stability/cost.
	 SQL On-Demand	<div><div></div><div></div><div></div></div>	Common HIVE Metadata Delta Tables not yet supported.
	 SQL Pools (SQLDW)	<div><div></div><div></div><div></div></div>	Concurrency limits for resource classes still apply. <a href="https://docs.microsoft.com/en-us/azure/synapse-analytics/sql-data-warehouse/sql-data-warehouse-concurrency">docs.microsoft</a>
	 Data Flows	<div><div></div><div></div><div></div></div>	Uses Spark compute pools, not Databricks.
	 Integration Pipelines	<div><div></div><div></div><div></div></div>	Linked Hosted IR's missing. No SSIS Support.
Secondary	 Management API	<div><div></div><div></div><div></div></div>	Lots of methods missing. Incomplete permissions model.
	 .NET SDK	<div><div></div><div></div><div></div></div>	NuGet still in Beta. Classes missing from Namespace.
	 Monitor & Diagnostic Settings	<div><div></div><div></div><div></div></div>	Very few service metric outputs. Little auditing logs.
	 VNet Integration	<div><div></div><div></div><div></div></div>	A minefield of connectivity problems given the variety of underlying resources.
External	 Synapse Link	<div><div></div><div></div><div></div></div>	New ComosDB instances only. Not all ComosDB API's types supported.
	 Purview	<div><div></div><div></div><div></div></div>	Still in preview. Roadmap unclear.