Azure Synapse Analytics

Paul's view on features.

As of 10th Feb 2021

Capability	Feature	Status	Narrative
Primary	Workspace	🟡	Deployment approach needs custom build, like what has been done for ADF.
	Data Lake Storage	🟢	Consider permissions and integration if used as the metadata store and main data store.
	Power BI Integration	🔴	Workspace integration unstable. Disconnected DevOps. No cross tenant support.
	Spark Compute Pools	🟡	Using Spark 2.4. Performance concerns. Cluster currency/stability/cost. Delta Optimize missing.
	SQL On-Demand	🟡	Common HIVE Metadata Delta Tables not yet supported.
	SQL Pools (SQLDW)	🟢	Concurrency limits for resource classes still apply. docs.microsoft
	Data Flows	🟢	Uses Spark compute pools, not Databricks.
	Integration Pipelines	🟡	Linked Hosted IR's missing. No SSIS Support.
Secondary	Management API	🔴	Lots of methods missing. Incomplete permissions model.
	SDK	🔴	NuGet still in Beta. Classes missing from Namespace.
	Monitor & Diagnostic Settings	🟡	Some service metric outputs. Little auditing logs.
	VNet Integration	🟡	Need to test full connectivity for all underlying parts of Synapse and check Firewall context.
External	Synapse Link	🟡	New ComosDB instances only. Not all ComosDB API's types supported.
	Purview	🟡	Still in preview. Roadmap unclear.

Summary

🟢 = 3
🟡 = 8
🔴 = 3