Dataflows2

Monday, 16 January 2023 11:17 AM

Assessing requirements

- 1905 Vs. Paa5





In both cases, it is necessary to ensure the availability and resiliency of it. HA (High Attailability) and DR (Disaster Recovery) How much laws and thes in inpluy - Network bandwith and Network lating (On Pro - cloud) you might consider an Express Route (H offers the ability to mantain a consistent latency) - Automated process (scaling, sche duling, triggering) - Backups Monitoring

- Contra! flow

- Pricing

→ Blob storage offers multiple trers (premium, hot, wool, archive)
data storage costs will vary widely, depending on your tiers.

Premium hot cool Archive.

> laten cy

Row data > store > Process > Info Azur Data Factory is an Azur Offering that's built for complex hybrid ETL, ELT and data integration projects.



Database services

- Azure Sal Patabase - Cosmos DB (No SQL implementation)

Azure HD insights



The role of HD Insight in a datathour is the engine.

It's going to power transformations that need to be completed.

It offers the ability to scamlessly (sin problemas) integrate with

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many different Azure data stores, and services (Cosmos, Data Lake)

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HDInsight can't be paused, you might just want to create an

instance of the service when some sort of analysis or transformation

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work is required, and then delete it when the work is complete.

The programming languages will be dictated by the cluster type.

Azure databricks



It offers 3 environments for developing, data intensive apps, including

(-> DB SQL -> to non SQL queries against data laxes, visualizations, dash boards

-> DB Pata Science & Engineering -> Interactive workspace that facilities collaborations.

-> DB Mlearning.

In Bg Data pipelines, data is tipically ingested into Azure via Azure Data factory

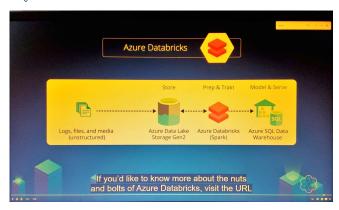
This data is sometimes ingested in batches or streaming Ha (Kafka Event Hub,

the data thatis ingested then tipy ally winds up in Azue Blob Storage or ADLS



Ultimately, you can use Azure Databricks to you perform ETL operations as part of your

Ultimately, you can use Azore Databricks to you perform ETL operations as part of your dataflow by extracting data from a source like ADLS Gen 2, pulling into Databricks applying transformations in Databricks and the loading the transformed data into Azore Synapse Analytics.



Azure Synapse Analytics



Combined SQL, Sport, Data Explored, pipelines for data. ETL-ELT Also integrates Power BI and cosmos DB.

Allows you to import Big tata and to Nn high-performance analytics on that data,

Modern datawarehouse



Agure Pata Factory is a hybrid data integration service, what this does is allow you to create, schredule, and orchestrate ETL and ELT work flows.

The mam of your Pt is globally unique.