Azure Solution

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這節主要重點

- 大數據分析類型

- IoT 類型

- AI 類型

- Serverless

大數據分析/儲存類型

Azure Synapse Analytics

- Data Warehouse Solution

- Massive Parallel Processing (MPP)
  - 同時間並行處理

A cloud-based Enterprise
Data Warehouse.

What is Azure Synapse Analytics?

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Azure HDInsight

- 可以作為以下幾個的底層
  - Apache Spark
  - Apache Hadoop
  - Apache Kafka
  - Apache HBase
  - Apache Storm
  - Machine Learning Services

A fully-managed, open-source analytics service for enterprises

What is Azure HDInsight?

Azure Databricks

- Databrick 的 雲端版本

- 可以讓資料科學家一起分析資料
  - 建立 Notebook

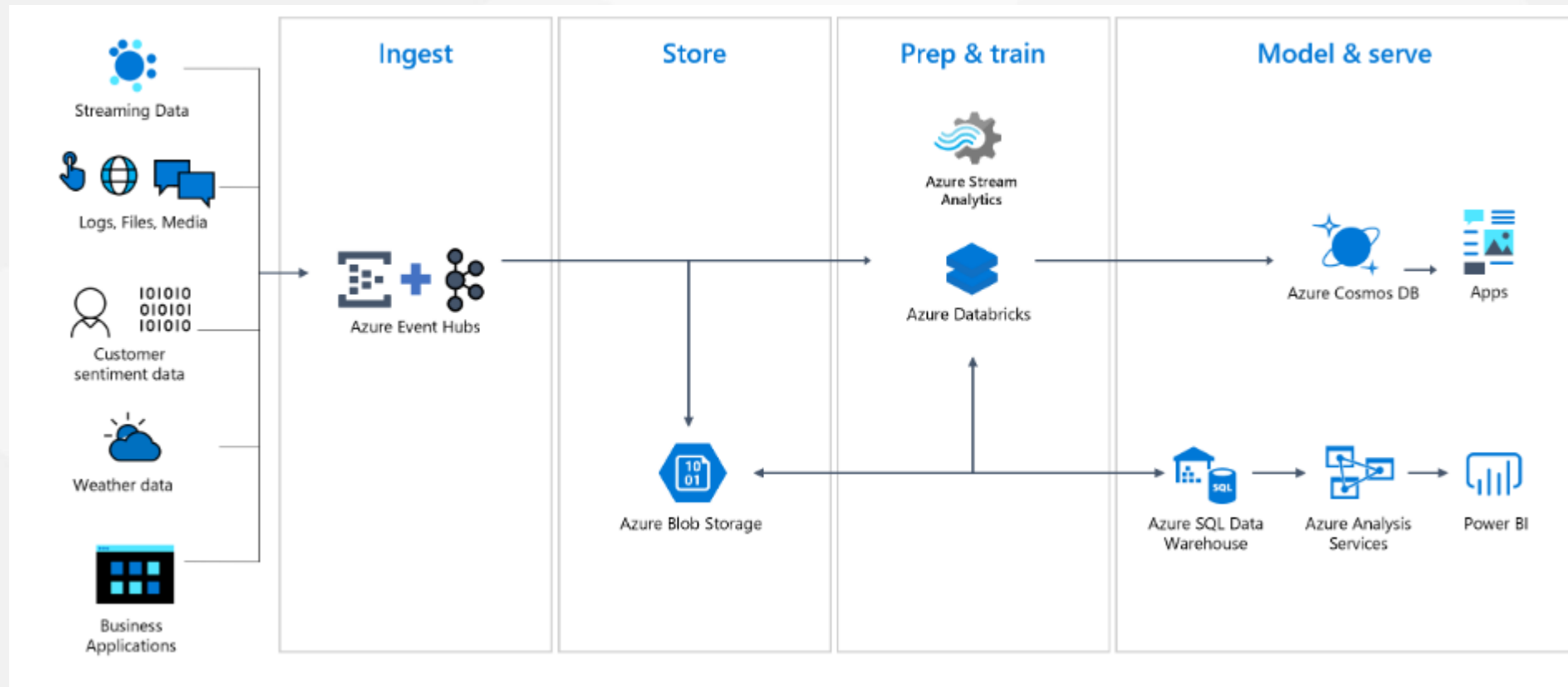Apache Spark based analytics service.

What is Azure Databricks?

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IoT

- Event Hub + IoT 設備管理

IoT Central

- SaaS 服務

- 疊加在 IoT Hub 上面
  - Dashboard

What is Azure IoT Central?

Azure Sphere

- secured, high-level application platform with built-in communication and security features for internet-connected devices.

- 3 個部分
  - 硬體 Micro Controller Unit（MCU）
  - 客製的 Linux 作業系統
  - Azure Sphere Security Service (AS3)
    - 確保連線是安全

What is Azure Sphere?

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AI

AI

Azure Machine Learning: cloud-based to develop, train, and deploy machine learning models.

[What is Azure Machine Learning?](#)

Azure Bot Service: develop chatbot works with different channel.

Cognitive Services: pre-trained/custom train AI service.

[Azure Cognitive Services](#)

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Serverless

Serverless
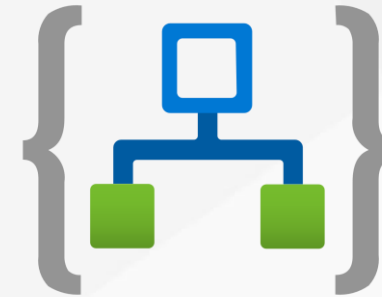
Azure Functions

Run event-triggered code without having to explicitly provision or manage infrastructure

Azure Functions documentation

Azure Logic Apps

automated scalable workflows, business processes, and enterprise orchestrations

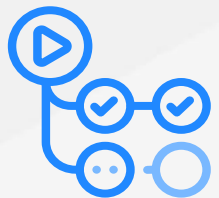Azure Logic Apps documentation

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開發

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Azure DevOps: DevOps total solution, from issue tracking to test

GitHub: version control and bug/task management.

GitHub Actions for Azure: build, test, and deploy from withing GitHub.

Azure DevTest Labs: quickly create environments in Azure while minimizing waste and controlling cost.

結語

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- 針對不同的情境使用不同的服務

- **[Azure Fundamentals part 3: Describe core solutions and management tools on Azure](#)**

歡迎訂閱、按讚 + 分享

- Alan Tsai 的學習筆記

- https://blog.alantsai.net

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- Youtube

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