在 Google Cloud 上做資料分析
使用 R

.

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Google Cloud Platform

Google Cloud Data/AI 產品家族

Cloud AI 解決方案

- Cloud Job Discovery
- Contact Center AI

ML 專家 & 合作夥伴

- ASL
- Professional Services Organization

Cloud AI 基礎服務

	視覺	語言	對話
Pre-Packaged	Cloud Vision API Cloud Video Intelligence API	Cloud Natural Language API Cloud Translation API	Cloud Speech-to-Text API Cloud Text-to-Speech API Dialogflow Enterprise
Custom and Automated	AutoML Vision	AutoML Natural Language AutoML Translation	AutoML Speech-to-Text

Cloud AI 平台

工具

- Kubeflow Pipelines
- Datasets

服務

- Cloud ML Engine
- Cloud Dataflow
- Cloud Dataproc
- Google BigQuery
- BigQuery ML
- Cloud Dataprep
- Google Data Studio

市集

- AI Hub
- kaggle

基礎建設

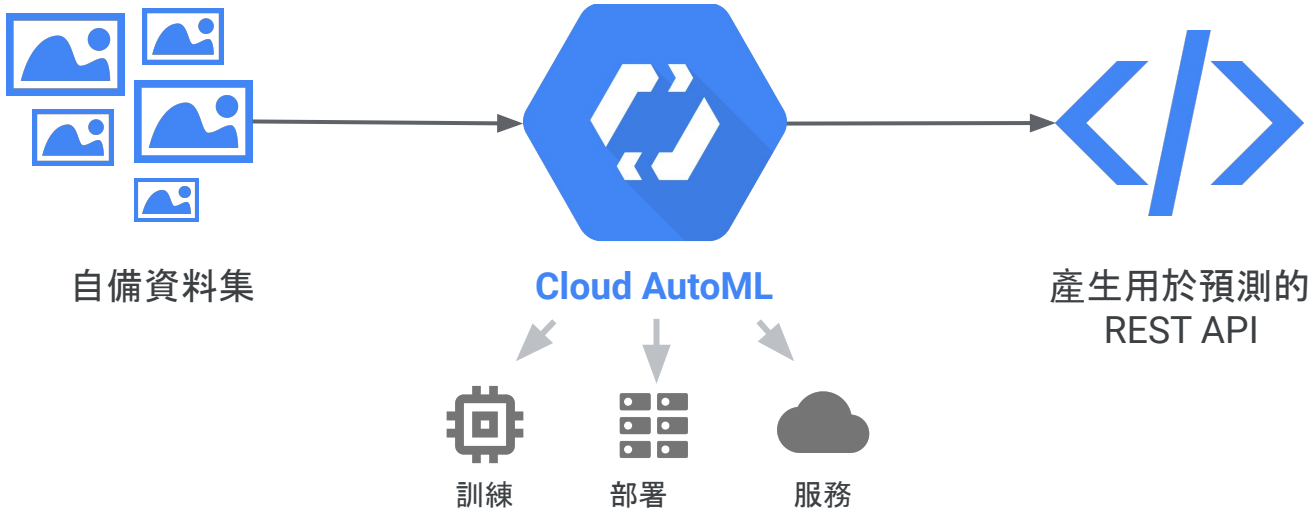
- Cloud TPU
- Cloud GPU
- Kubeflow

ML 函式庫

- Tensorflow
- Spark
- beam
- Spark MLlib
- scikit-learn
- TORCH
- R
- K

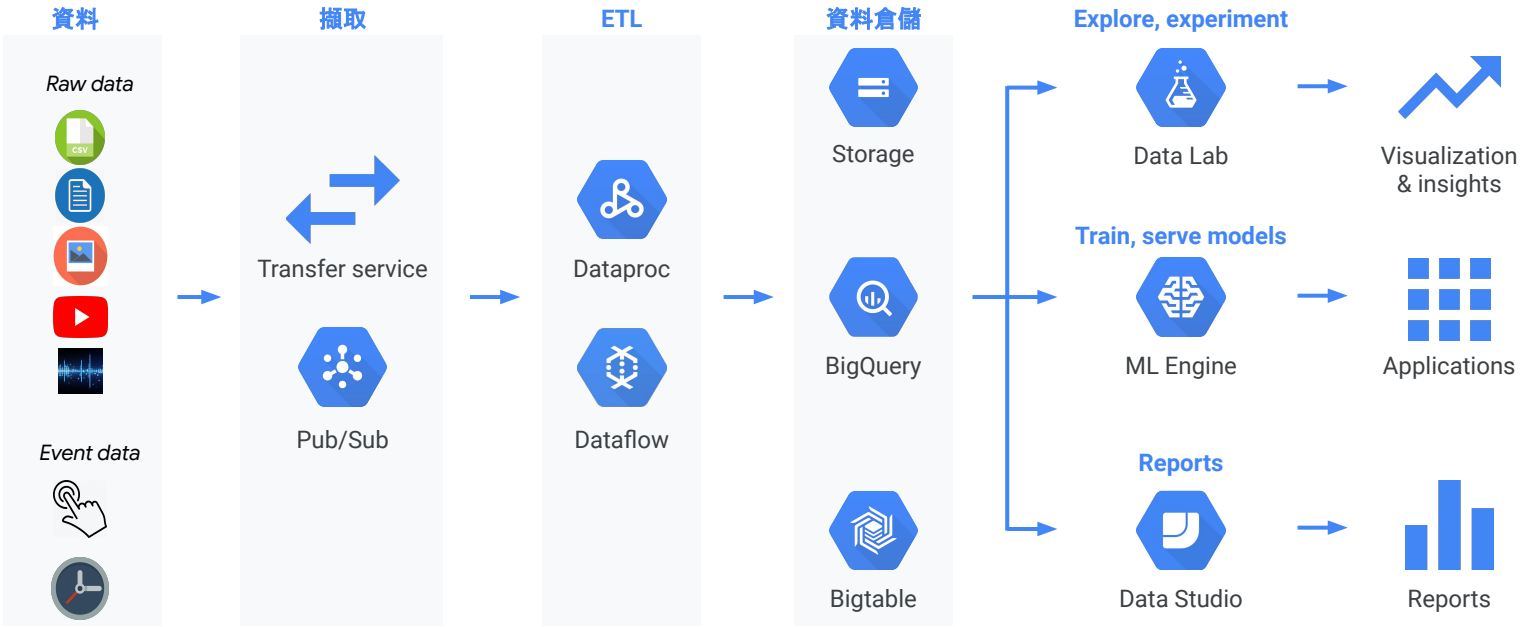
Cloud AutoML

用你自己的資料集訓練 ML 模型



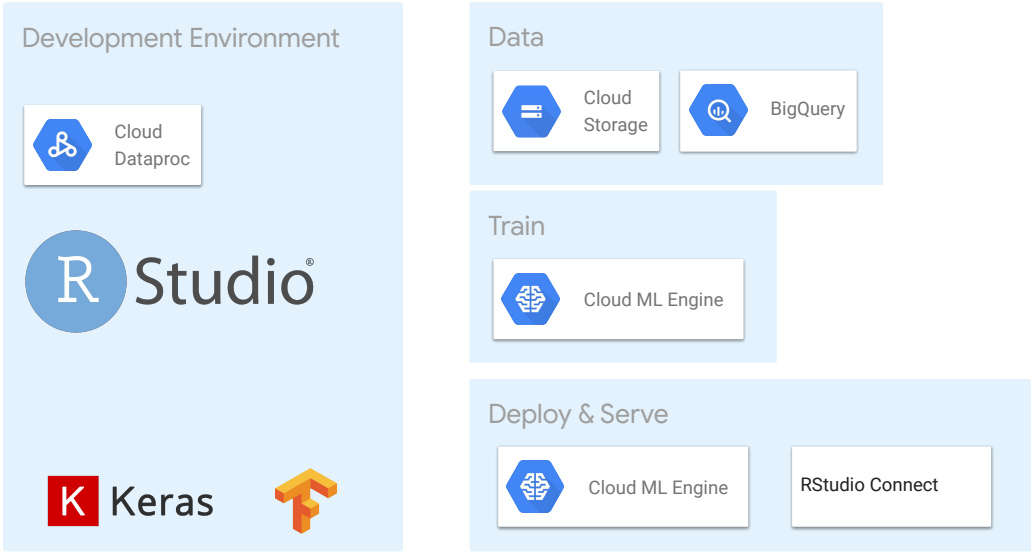
Google Cloud

使用 GCP 做資料處理的各個步驟



Google Cloud

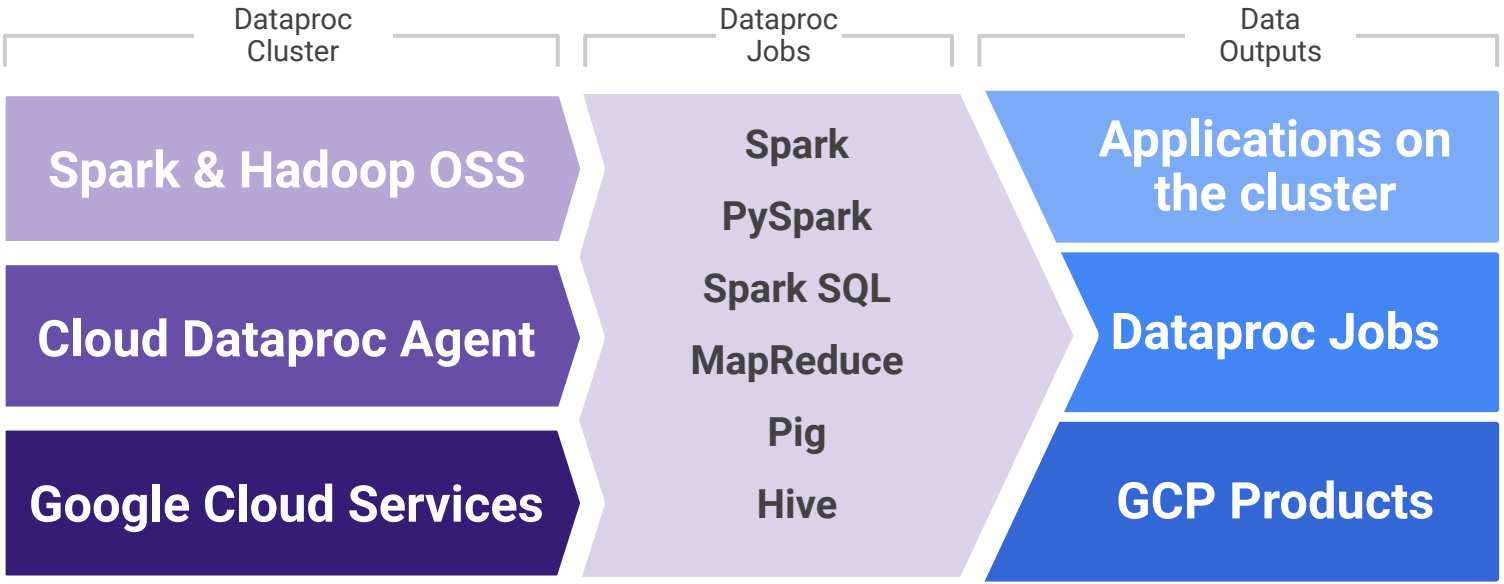
Using R on Google Cloud



- RStudio Server Pro from Cloud Launcher
- Submitting SparkR jobs from Cloud Dataproc
- Connecting R to the rest of GCP
  - Cloud ML
  - BigQuery

Google Cloud

Google Cloud Dataproc - **under the hood**

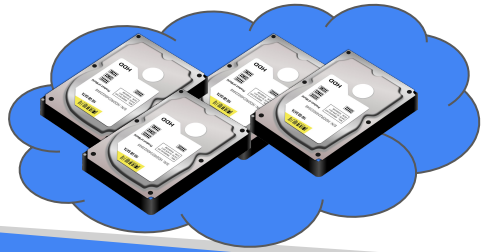


Google BigQuery is actually two services in one

Google
Big Query

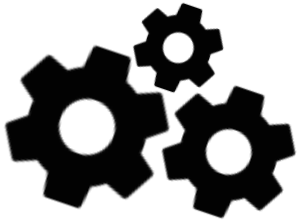
BigQuery
Managed Storage

Fully-managed and ***scalable data storage*** that is based on the same technology that stores Google's product data (ads, gmail etc.)

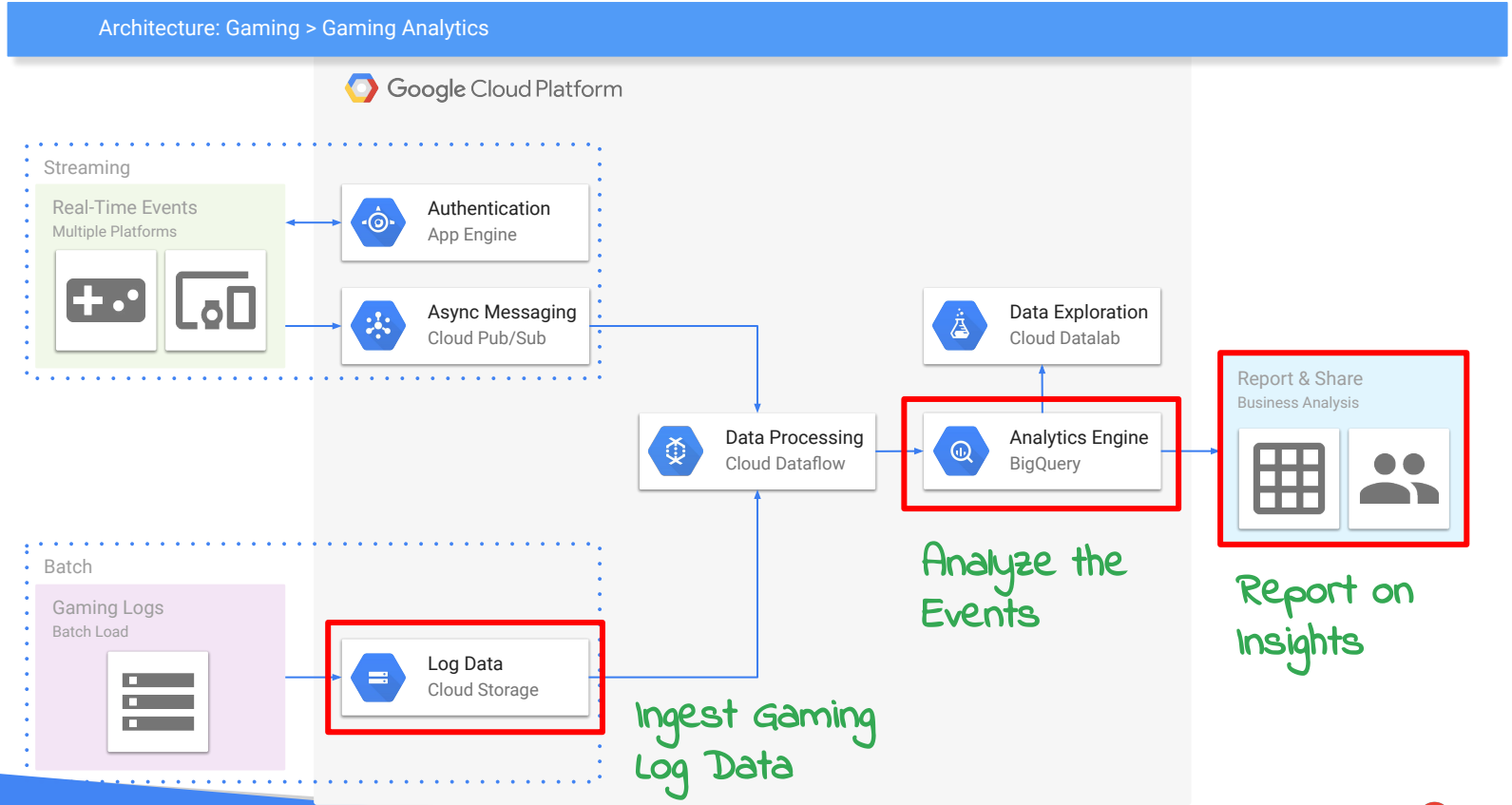


BigQuery
Analysis

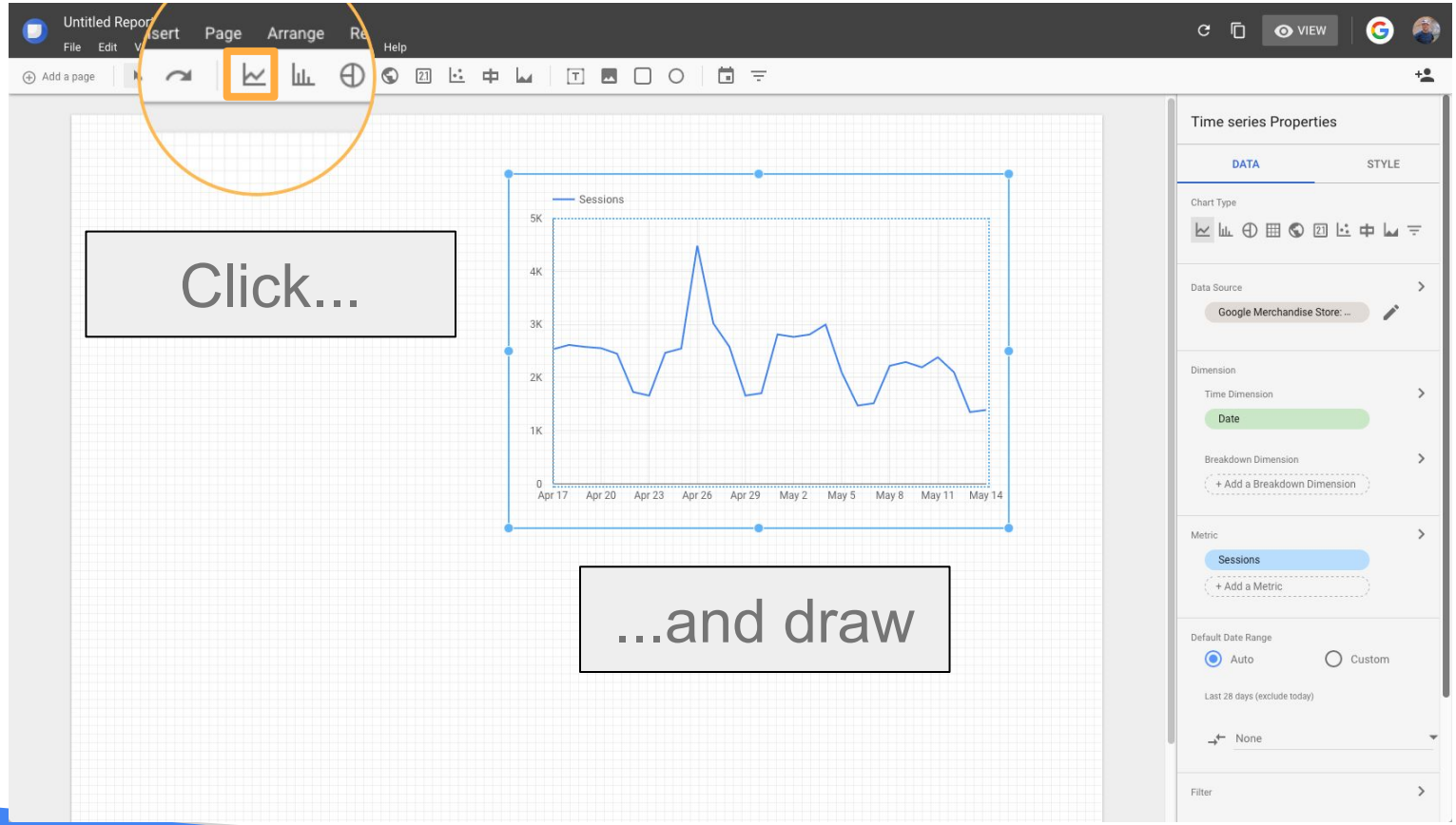
Fast massively parallel ***SQL Engine*** based on Google's own internal Dremel query engine technology



End-to-end gaming analytics example highlighting GCP tools



Datalab: Data Visualization



Hands-on Qwiklabs