

Case Study

Big Data — Case 1

Background

- This Client has more than 30 systems from different departments/vendors and over 10 years history data.
- They have about 3 thousand stores in mainland China. The incremental data from those stores is about 4Gb every 10 minutes 2018.
- They need a big data system like Enterprise Data Hub Platform which can support their Vast, Variety, Velocity data with BI reports.

Solution

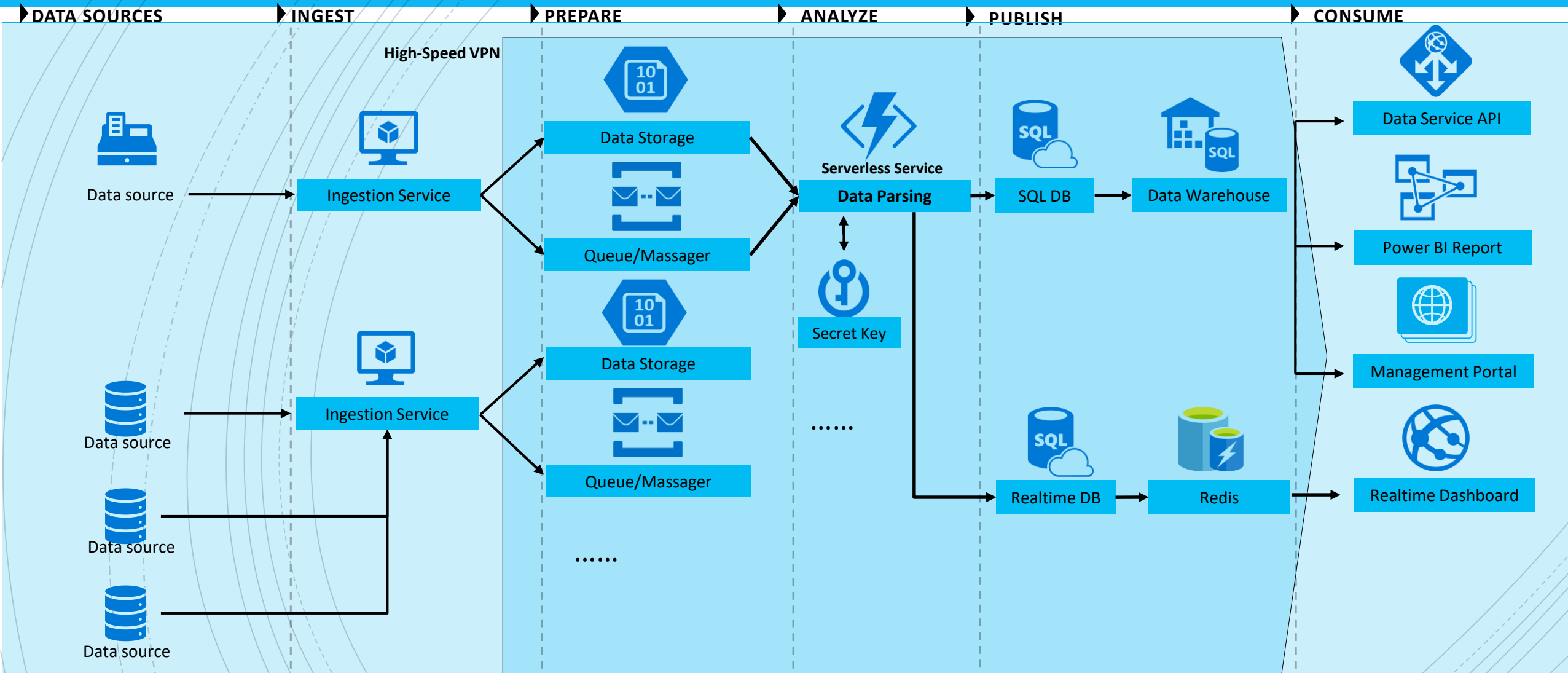
- We deployed the POS data collection application to collect the POS data from each stores and encryption it with Azure Key Vault.
- With Microsoft Azure, we deployed several serverless data processor service to decryption the source file and store them to Azure Storage and ingested to the Data Warehouse.
- We built 20 more PowerBI pages for monitoring the system performance and present bussiness reports, like user activity report, sales report.
- We also built the Realtime Dashboard with big-screen and mobile which used for campaign events by using Azure Storage, Service Bus, Function APP, Fabric, SSAS etc..

Benefit

- Improve efficiency for generating reports from 12+ hours to within 2 hours.
- Improve user experience for opening the reports from 30 minutes to within 5 mins.
- Forecast the business through the Realtime dashboard and other analyze reports.
- Analyze the combined data and improve the service quality



Big Data — Case 1



Big Data - Case 2

Background

- This Client have several systems and many suppliers which are generating data every minutes, they requires a data factory system to manage their data centralized.
- Their requirements not only for csv, xml, json files but also need take care of their image and video files.

Solution

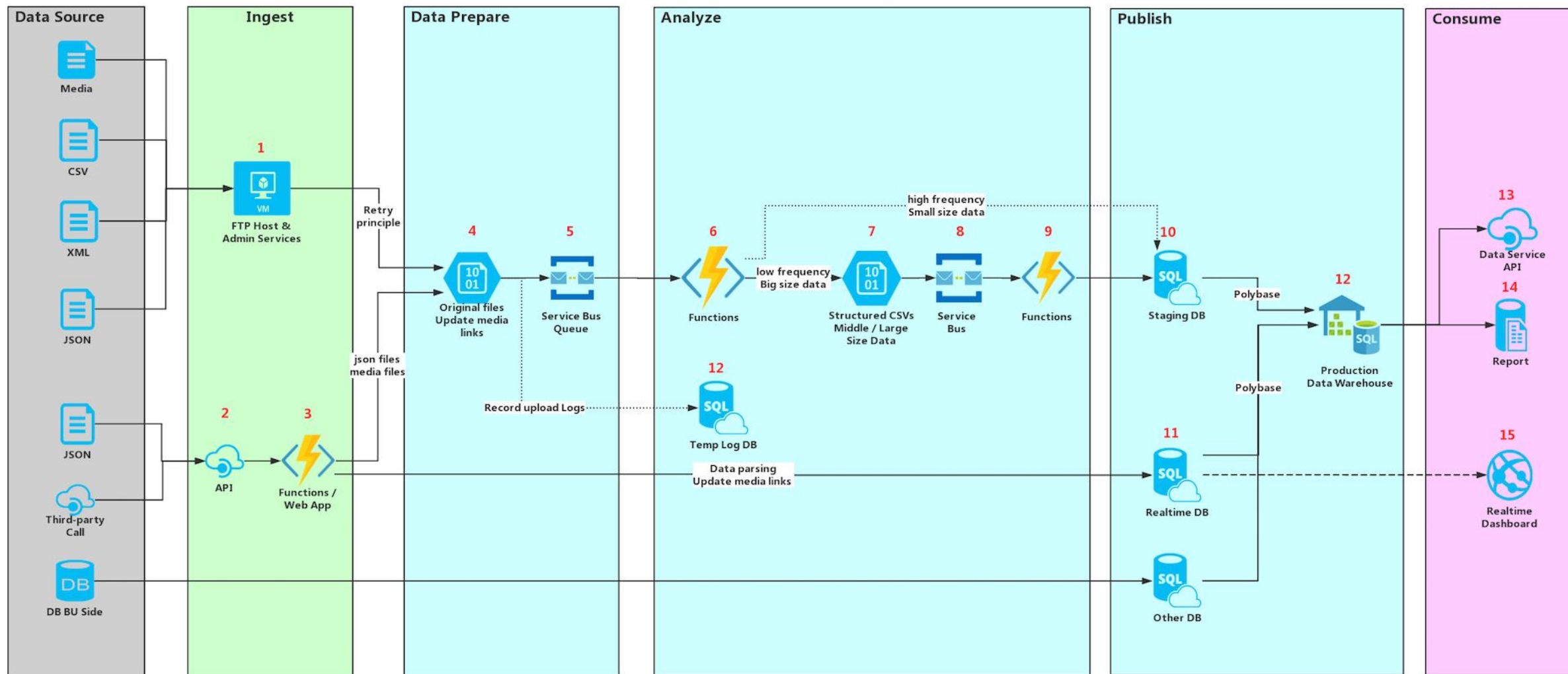
- We deployed the data collection application by using Azure Function APP to collect the POS/ERP/CRM data from different BU.
- We deployed the serverless data processor service to store those CSV, XML, JSON, and Image/Videos to Azure Storage and ingested to the Data Warehouse & Azure Database, and we developed the Power BI reports.

Benefit

- Forecast the business through the analyze reports.
- Improve the data governance by using Azure big data services.



Big Data - Case 2





云角® Yungoal

神州数码成员企业

Take Cloud Everywhere!



Follow us on Wechat

 <http://www.yungoal.com>

 info@yungoal.com

 +86-21-61517911