

2019

Excelando Brain - IP

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SOLUTION DESCRIPTION

The **Excelando Brain** is an end to end BI solution utilizing Power BI and the Azure Data Platform.

The solution supply insights and dashboards to end customers by pulling their business data from common ERP and CRM systems, cleans them , and pull them into one data model who is the source for predeveloped dashboards reports and data based alerts.

The Model Cover many business processes Including:

Supply Chain – Inventory (Including BOM and Warehouse Movements) , Purchase, Orders, Invoices.

Presales Process – Leads, Opportunities, Accounts, Quotations, Sales.

Finance – Payments, Budget.

Profit Analysis and improvement - RFM Model, Churn Customers, Customers & Products Segmentations and more.

Excelando Brain contains many connectors and Can be adapted to supported new ones - both On Premises or cloud.

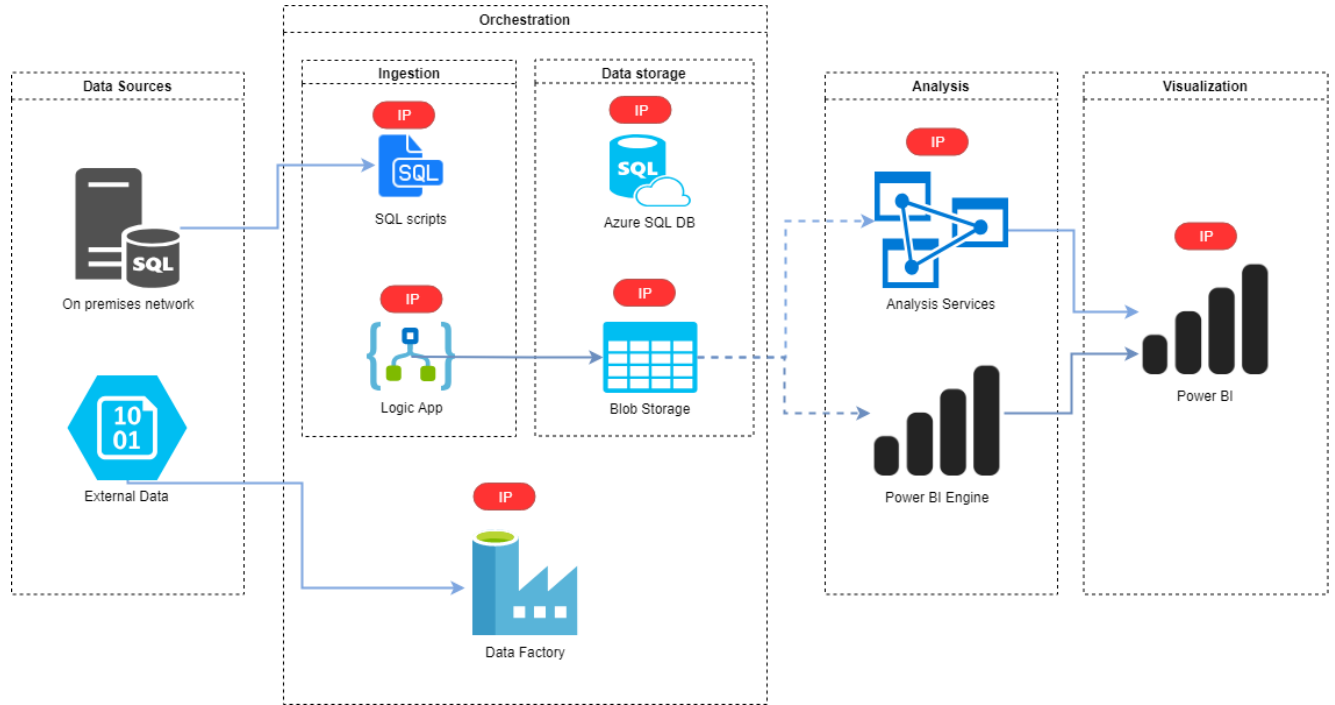
ISV

All data sources are supported , we have built in connectors for:

- Priority.
- Gazit – Verifone.
- Comax.
- SAP Business one.
- Salesforce.
- Zoho.
- Quickbooks.
- Microsoft Dynamics.
- Hashashevet



ARCHITECTURE



ARCHITECTURE FLOW

Data Sources - Data stored in our client ERP, can be on premises or cloud.

On premises data sources use Azure IR \ Data Gateway to push data securely into our Azure platform.

Orchestration – There are two methods for ETL depending on client complexity:

- Power BI Standalone – Using SQL and Power BI Engine to Model the Data.
- Azure Data Platform – Using azure services to extract the data and store it into Azure SQL DB \ Blob Storage.

Analysis - According to Sizing and Refresh Schedule we use one of the following:

- Power BI Engine.
- Azure Analysis services.

Visualization - Analyze, Visualize and Interact with the data is done using Power BI service.



DEPLOYMENT

Depending on the various data sources for each customer, different scripts are used to provision the Azure environment and the different objects which orchestrate, load and clean the data into the universal data model. Each IP component has its code stored in a version control system. The Brain Model is similar for all clients and data sources.

