**Schematic Diagram**

HTTP **Client**

**PyWebApi Server**  
(It is a web application in a website)

**Web  
Server**  
(IIS)

**WSGI**

(WFastCGI)

Python Web Framework

(Bottle)

**PyWebApi**

Framework

**User Modules/Scripts**

User App **A**

User App **B**

User App **…**

https://github.com/DataBooster/PyWebApi

**MdxReader**

HTTP **Client**

**PyWebApi Server**  
(It is a web application in a website)

**Web  
Server**  
(IIS)

**WSGI**

(WFastCGI)

Python Web Framework

(Bottle)

**PyWebApi**

Framework

User Modules/Scripts

https://github.com/DataBooster/PyWebApi

OLAP

Cube

DbWebApi

Database

Query MDX

Save to DB

Notify

**MDX Reader**

**Notifications**

An example services-grouping

**Service1**

**Service2**

**Service3**

**Service4**

**Service5**

**Service6**

**MDX ETL Engine**

HTTP **Client**

https://github.com/DataBooster/PyWebApi

OLAP

Cube

DbWebApi

Database

**Notifications**

**Services Grouping**

**MdxReader**

1

2

3

4

5

6

|  |  |  |  |
| --- | --- | --- | --- |
| **MDX\_QUERY** | COLUMN\_MAPPING | **CALLBACK\_SP** | CALLBACK\_ARGS |
| SELECT  ... ON COLUMNS,  ... ON ROWS  FROM  ...  WHERE  ... | {  "Sales Amount": "inSales",  "Tax Amount": "inTaxes",  "Fiscal Year": "inYears"  } | YOUR\_SCHEMA.MDX\_ETL\_DEMO.PROCESS\_MDX\_RESULT\_1 | {  "inTerritory": "Southwest"  } |
| SELECT  ... ON COLUMNS,  ... ON ROWS  FROM  ...  WHERE  ... | {  "Internet Sales Amount": "INTERNET\_SALES"  } | YOUR\_SCHEMA.MDX\_ETL\_DEMO.PROCESS\_MDX\_RESULT\_2 | { } |
| … | … | … | … |

GET\_MDX\_TASKS

FINAL\_POST\_PROCESSING

MDX Task1 🡪 PROCESS\_MDX\_RESULT\_1

MDX Task2 🡪 PROCESS\_MDX\_RESULT\_2

Deployment-time

Design-time

Run-time

DbWebApi

Database

**derive\_bim**

*model.bim*

**deploy\_dataset**

Tabular Editor

Power BI Desktop

PowerBI.com

Power BI Service

Push Datasets

**push\_data**

https://github.com/DataBooster/PyWebApi

**2nd** ResultSet:

|  |  |  |  |
| --- | --- | --- | --- |
| *COLUMN\_A1* | *COLUMN\_B1* | *COLUMN\_C1* | *…* |
| *…* | *…* | *…* | *…* |
| *…* | *…* | *…* | *…* |
| *…* | *…* | *…* | *…* |
| *…* | *…* | *…* | *…* |

*3****rd*** *ResultSet:*

|  |  |  |  |
| --- | --- | --- | --- |
| *COLUMN\_A2* | *COLUMN\_B2* | *COLUMN\_C2* | *…* |
| *…* | *…* | *…* | *…* |
| *…* | *…* | *…* | *…* |
| *…* | *…* | *…* | *…* |
| *…* | *…* | *…* | *…* |

*4****th*** *ResultSet:*

|  |  |  |  |
| --- | --- | --- | --- |
| *COLUMN\_A3* | *COLUMN\_B3* | *COLUMN\_C3* | *…* |
| *…* | *…* | *…* | *…* |
| *…* | *…* | *…* | *…* |
| *…* | *…* | *…* | *…* |
| *…* | *…* | *…* | *…* |

**1st ResultSet:**

|  |  |  |
| --- | --- | --- |
|  | TableName | *SequenceNumber* |
| Row ① | TABLE\_A | *108* |
| Row ② | TABLE\_B | *6* |
| Row ③ | TABLE\_C | *1001* |
| Row … | … | *…* |

*5th, 6th, … more ResultSet*