

**DEVELOPER’S**

**MANUAL**

**BR INSIDERS Data Movement**

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**Revision Sheet**

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**USER'S MANUAL**

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**1.0 GENERAL INFORMATION**

# GENERAL INFORMATION

## 1.1 System Overview

The Boardroom insider Data Movement fetches the data from the BR API in the json format. The data movement is invoked from the python code. Python code is written using jupyter notebook fetches the data from the two API’s. first API gives the General profile information of Executives. Each API call retrives 100 Profile information at time. The second API takes the profile ID collected from the first API as input and fetches the detail profile information at one profile at a time.

Currently there are around 20K profiles in the Boardroom insider database. As per the above information we have to make around 200 calls to first API and around 20k calls to second API to get the details.

Once the details are fetched using python code, these are processed and are divided into 5 tables. These 5 table information is stored in Azure SQL Database. The details of the API Link, Token information and Database details, and the batch service and pipeline name to run this is given in the below section

**2.2 System Details**

### 2.2.1 Python File

Jupyter notebook is used to write the logic for data movement. File name is **Boardroom\_Is.py**

### 2.2.2 Azure Database Details

### server = 'wm-svr-sql-database.database.windows.net'

### database = 'WM-SQLdatabase'

5 Table Details where Data is stored:

BR\_Insider\_Profile\_General

BR\_Insider\_Profile\_Current\_Focus

BR\_Insider\_Institutions

BR\_Insider\_Profile\_Key\_Challenges

BR\_Insider\_Works

### 2.2.3 Azure Pipeline

Azure pipeline is created to run the python file in the VM Machine.

Pipeline details are mentioned below:

WGADataFactory 🡪 Pipelines 🡪 Covid 🡪 BR Insider 🡪BRInsider Pipeline