PIM Training Program

reporting via ETL

SQL

Amazon Metric reporting via ETL

Learning Objective

➢ At the end of the module, you will be able to publish your query results into MS Excel sheet

Agenda

- ➢ Introduction to Datanet Metrics Jobs

- ➢ How does it work?

- ➢ Reference Link

# Introduction to Datanet Metrics Jobs

Introduction to Datanet Metrics

At Amazon it is very common to have regularly produced metrics decks that are comprised of Excel files linked to the output of one or more Data Warehouse queries (Datanet Data Feed jobs). Traditionally this requires manual effort to refresh the data and initiate calculation of the workbook.

Metrics jobs are a new type of Datanet job that allows the inclusion of data feed job results into Microsoft Excel document and perform worksheet calculation as the final step in the Datanet dependency chain.

Introduction to Datanet Metrics
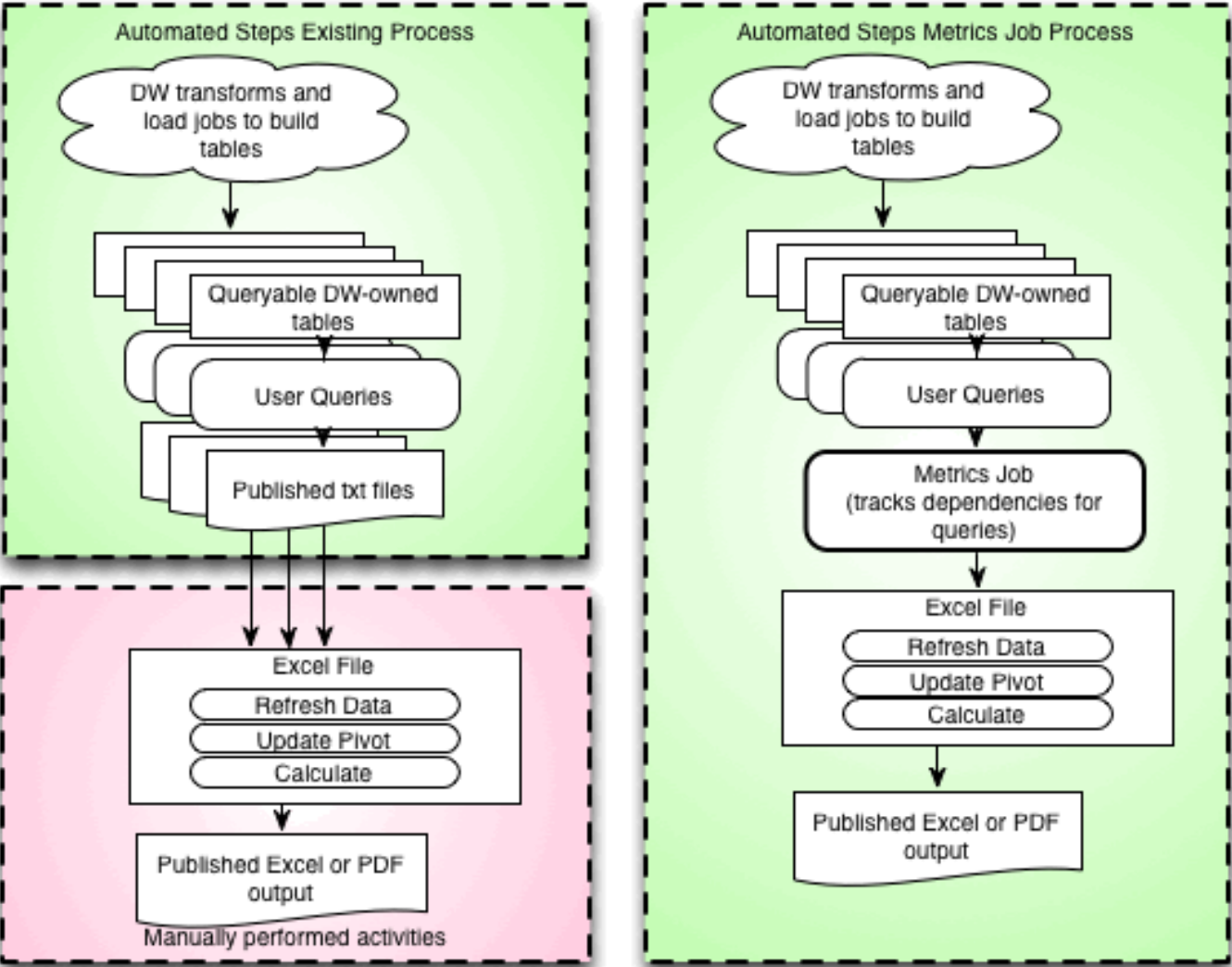
How does it work?

How does it work?

In brief:

1. The user uploads an XLSX file to the metrics job profile and identifies the tabs in the file that will be updated with Datanet results

2. The user creates a metrics job that associates Data Feed job IDs with the tabs defined in the Metrics Job Profile

3. When the associated Data Feed dependencies are satisfied, Datanet calls the RefreshExcel service and provides the XLSX file along with the Data Feed job results

4. The RefreshExcel Service clears the configured tabs, writes the new data and refreshes and calculates the workbook (including pivot tables)

5. The updated file is returned and Datanet Publishers deliver the results.

How does it work?
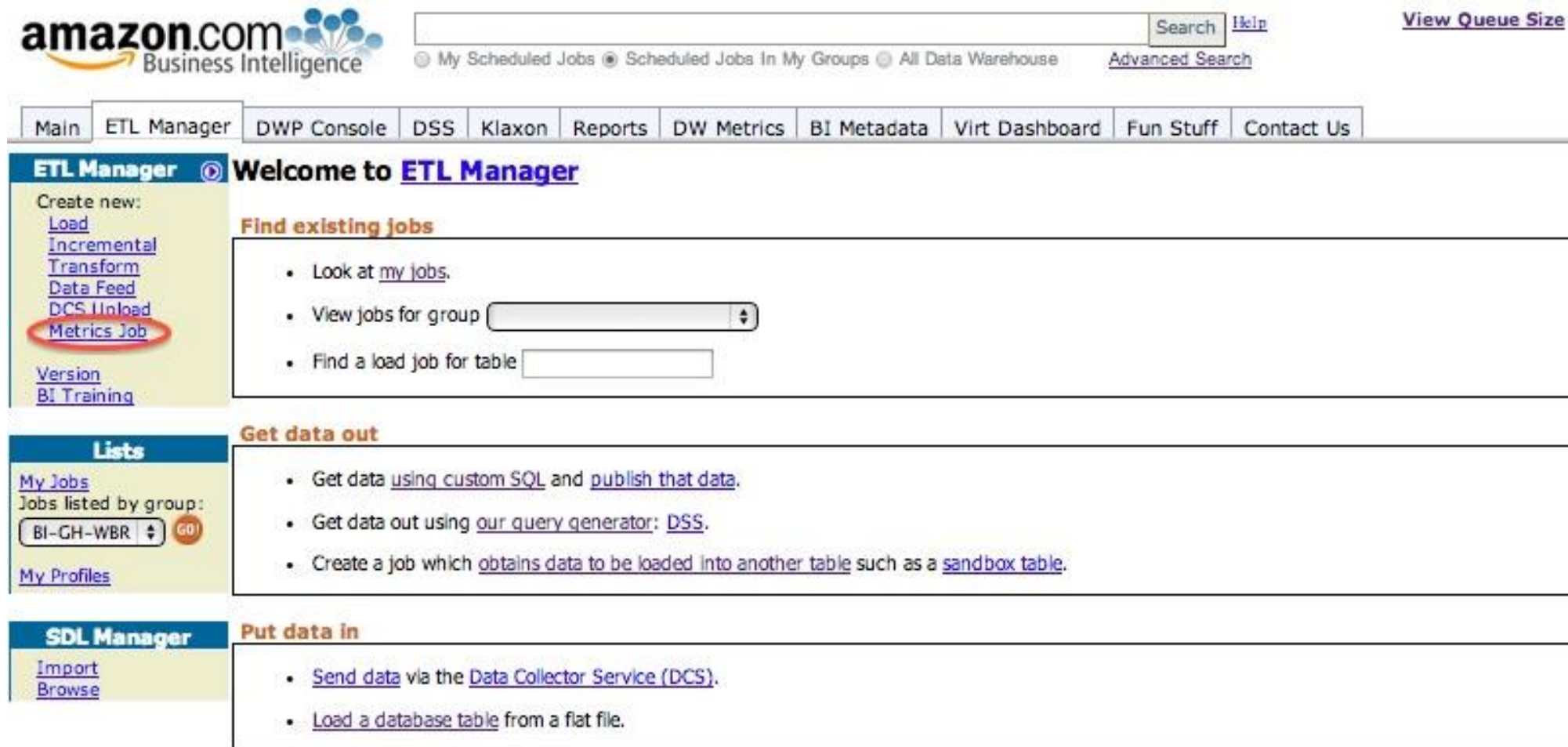
Output Variations:

•By default the system will create a .XLSX artifact for publishing (refreshed excel workbook)

•You can optionally select PDF or image formats in the profile for creation

  • For these artifacts (and HTML portal support) you need to specify the "Report Area" using

    excel print areas

•Once you've done that you can create multiple publishers each with different types of files

•**Image artifact used in an EMAIL publisher creates an Inline "Daily Flash" report**

How does it work?

Step 1: choose new Metrics job

How does it work?

Step 2: Configure new metrics job profile

- You can configure multiple tabs that will be populated by Data Feed job results
- Data feed jobs are associated with the tabs in the job configuration section

- **Your metrics jobs will run more quickly if you remove any data from the data tabs in the Excel File that you upload** (The first step in the automated refresh is to clear any existing data, row by row. For 100 rows, it won't matter much, but for 50K or 100K rows, your jobs will take considerably less time if you have cleared the data before upload.)

How does it work?

Step 3: Configure Publishers and Job(s)

Note that files handled by email publishers must be smaller than 20MB in size to be delivered by Amazon's email system

Reference Link

https://w.amazon.com/index.php/AmazonMetrics#Introduction_to_Datanet_Metrics_Jobs

END