

IFS Cloud Emissions Tracker

Analysis Model Configuration Guide



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Introduction

This document serves as a comprehensive guide to understand and managing the configuration steps of the Emission Tracker Analysis Model.

In this document, you will find detailed information about various configuration parameters, their purposes, recommended steps, prerequisites, and actions to retrieve data from the IFS cloud. This document would serve and enhance as a generalized guide in the future since we currently extract data from the IFS cloud in relation to utility information only.

1. Prerequisites

The prerequisites to configure the analysis model are given below.

1.1. Installation of information sources.

Prior to the configuration steps, the user needs to validate that based on the requirement for the **Emission_Tracker_Integration** Analysis Model, the following facts and dimensions with relevant information sources are installed.

Analysis Model	IFS Component	Fact / Dimension
Emission_Tracker_Integration	ACCRUL	AccountingPeriod.dimension
		Company. dimension
		RpdCompanyPeriod.dimension
	INVOIC	UtilityBillInfo.fact
		UtilityBillCategory.dimension
		UtilityBillSubCat.dimension
		CompanySupplier.dimension
		Site. dimension

Note:

Suppose the following facts and dimensions with relevant information sources are not installed. In that case, the user will not be able to fetch data to the data lake from the IFS cloud even though the Analysis Model gets published and refreshed.

1.2. Path for detailed information

IFS Cloud Documentation under the sustainability Applications Release Note refer product offering > 3.1 changes in product offering > 3.1.2 IFS Cloud Emission Tracker

2. Configurations

2.1. Import and load the Parquet Data Sources

Import the following parquet data sources and load them as the first step of the configuration.

Fact/Dimension	Name
UtilityBillInfo.fact	FACT_UTILITY_BILL_INFO
AccountingPeriod.dimension	DIM_ACCOUNTING_PERIOD
Company. dimension	DIM_COMPANY
RpdCompanyPeriod.dimension	DIM_RPD_COMPANY_PERIOD
UtilityBillCategory.dimension	DIM_UTILITY_BILL_CATEGORY
UtilityBillSubCat.dimension	DIM_UTILITY_BILL_SUB_CAT
CompanySupplier.dimension	DIM_COMPANY_SUPPLIER
Site.dimension	DIM_SITE

2.1.1. Steps

- i. Log into IFS cloud and go to the Find page search option.

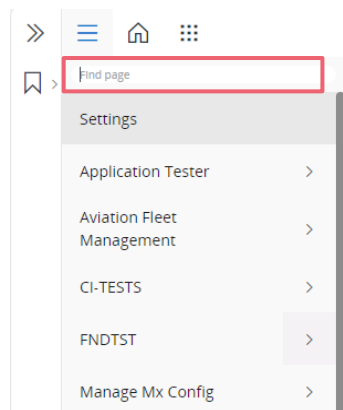


Figure 01

- ii. Type 'Parquet Data Sources'

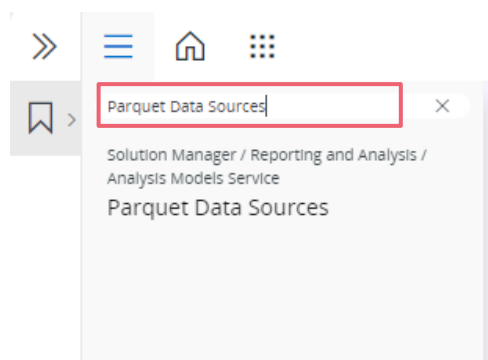


Figure 02

iii. Press 'Parquet Data Sources' and then navigate to the 'Import' button.

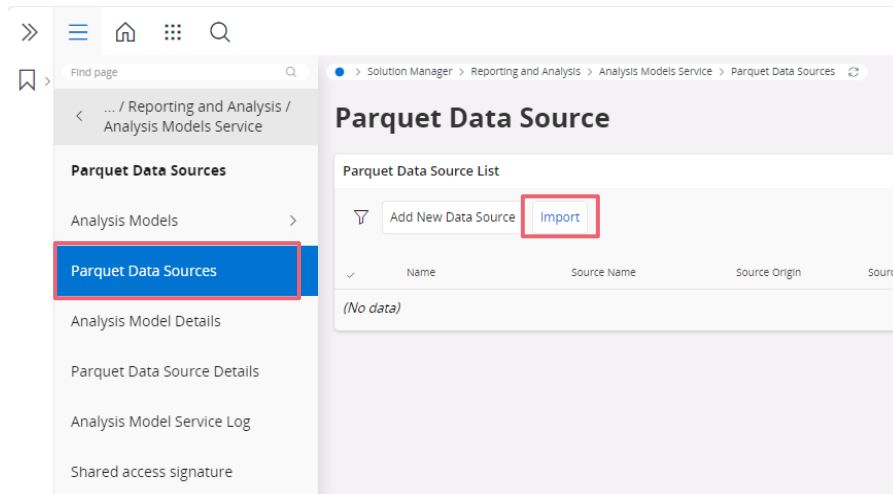


Figure 03

iv. Browse the JSON files shared with on-parquet data sources.

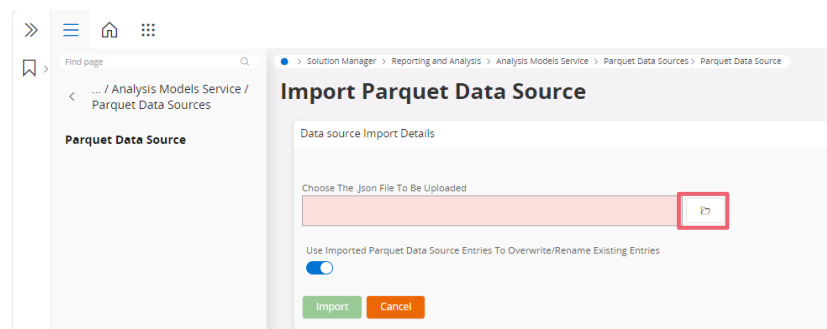


Figure 04

v. Press import after the relevant JSON files are selected.

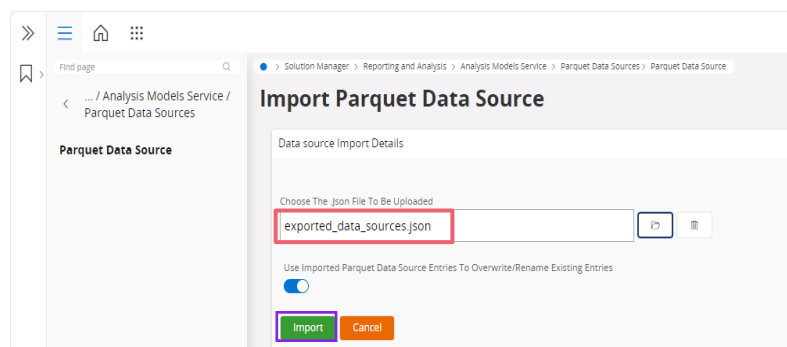


Figure 05

vi. Search the relevant names of facts and dimensions, select them, and press load.

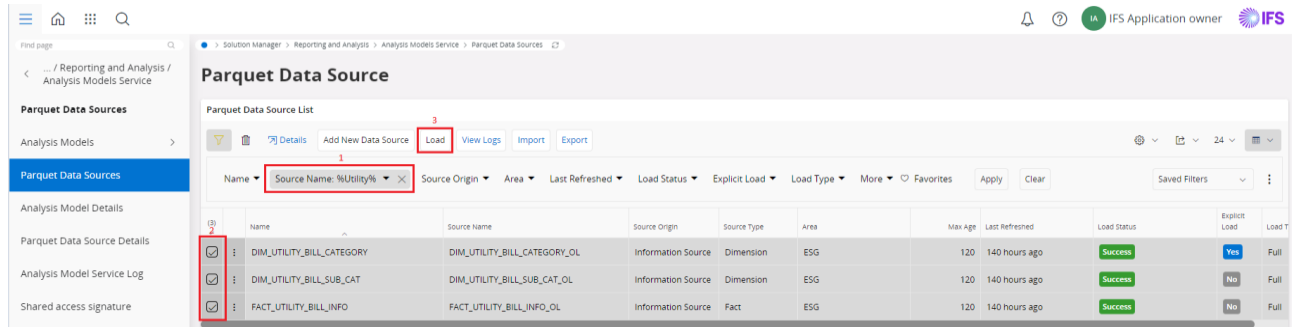


Figure 06

2.1.2. Path for detailed instructions

IFS Cloud Documentation, under IFS Business Models, select 13. Cross Application Processes > 13.24. Analytics as a Service > 13.24.5. Parquet Data Sources > 13.24.5.4. Import Parquet Data Sources and 13.24.5.5. Load Parquet Data Source

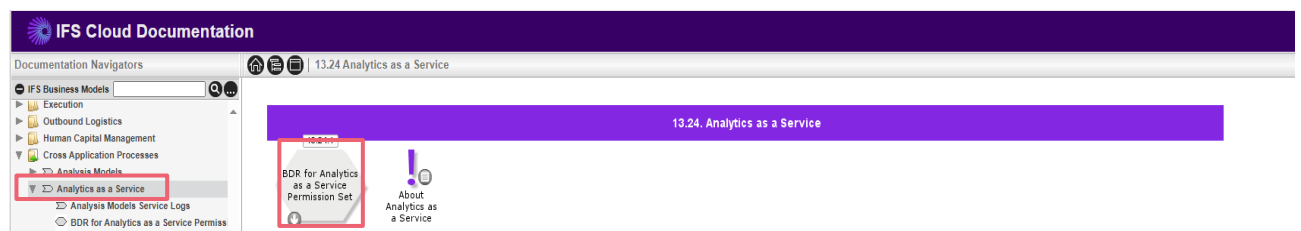


Figure 07

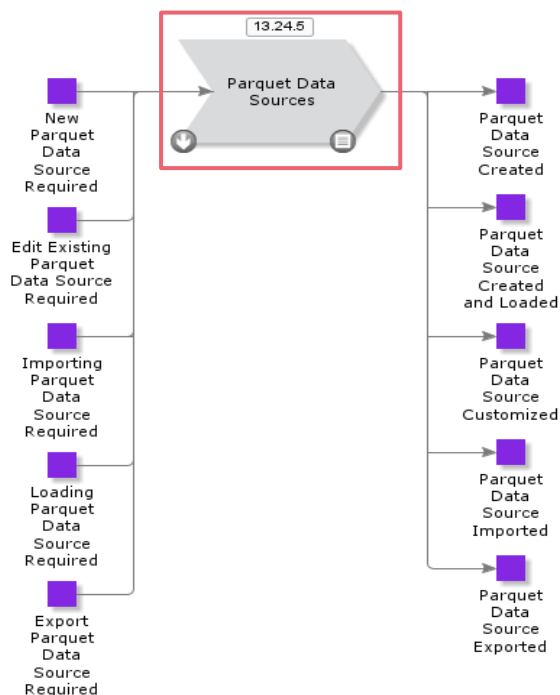


Figure 08

2.2. Publish the Analysis Model

Publish the required Analysis Model (**Emission_Tracker_Integration**) to the Power BI workspace, from the list of available Analysis Models that are in the Golden Workspace. The user should log into IFS Cloud and follow these steps for configuration.

2.2.1. Steps

- i. Go to the Find page search option and type 'Analysis Models'.

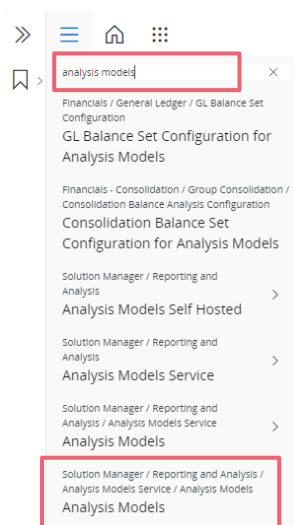


Figure 09

- ii. Press Analysis Models, Search Emission Tracker Integration, and click Publish Model.

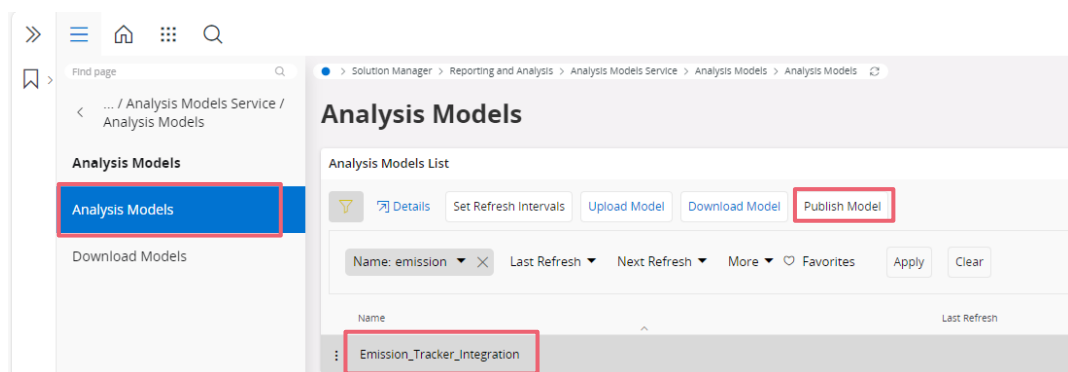


Figure 10

2.2.2. Path for detailed instructions

IFS Cloud Documentation, under IFS Business Models, select 13. Cross Application Processes > 13.24. Analytics as a Service > 13.24.2. Publish Analysis Model > 13.24.2.1. Publish Base Analysis Model

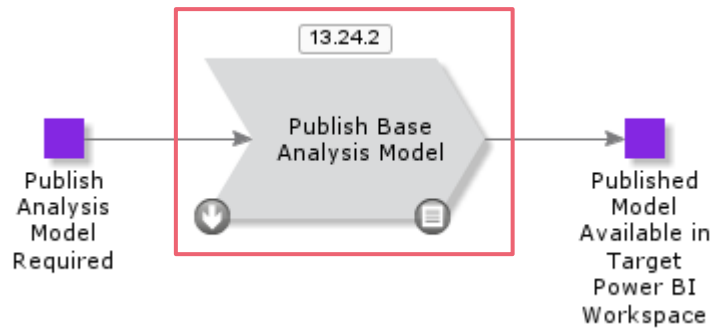


Figure 11

2.3. Set Refresh Intervals

Set refresh intervals according to user preference to update the related parquet data sources. The parquet data sources will refresh if the Max-Age is expired. After publishing the **Emission_Tracker_Integration** Analysis model, the following steps should be followed.

2.3.1. Steps

- i. Press 'Set Refresh Intervals' after the model is published.

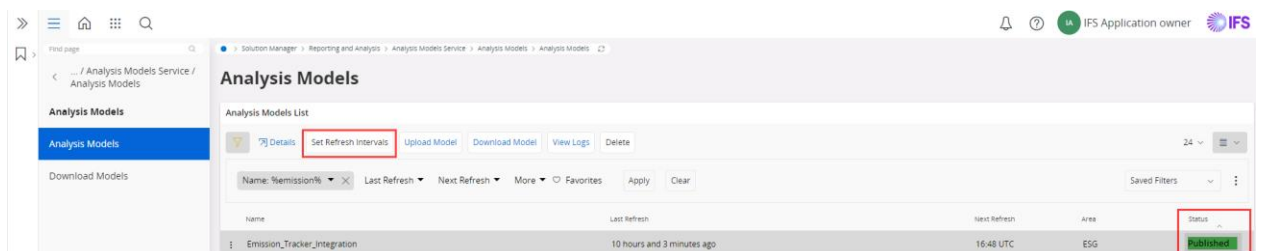


Figure 12

- ii. Select the refresh frequency, add your preferred time in UTC where the next refresh should occur, and press save.

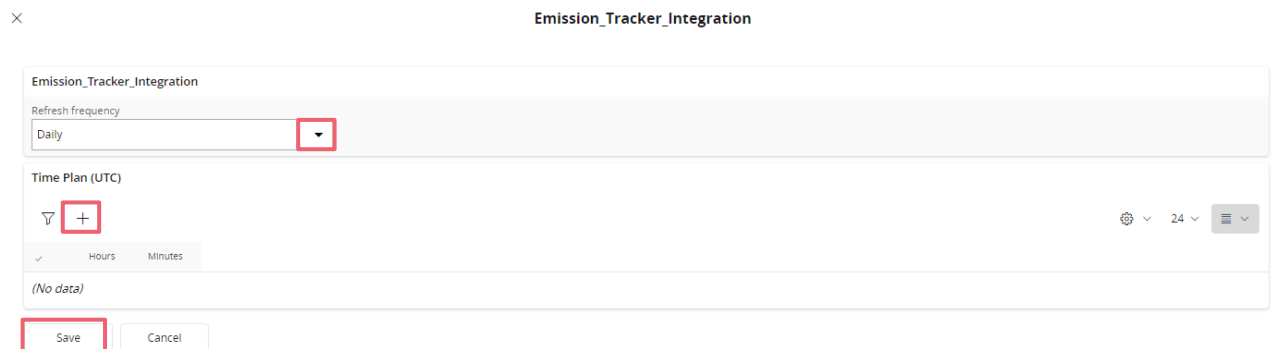


Figure 13

- iii. Check the model status after defining the refresh intervals.

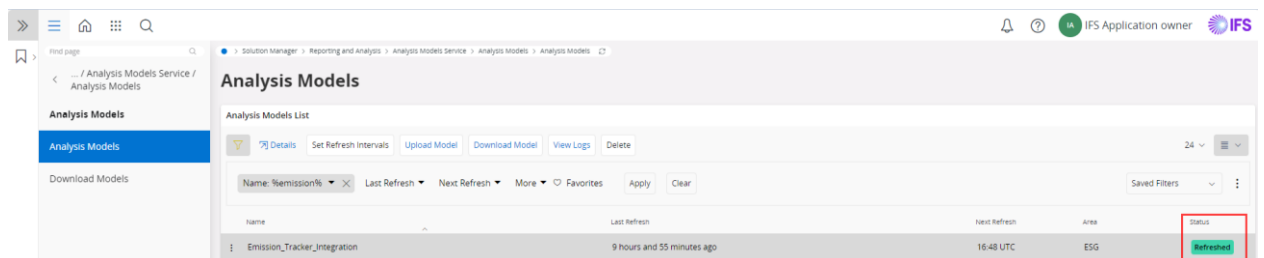


Figure 14

2.3.2. Path for detailed instructions

IFS Cloud Documentation, under IFS Business Models, select 13. Cross Application Processes > 13.24. Analytics as a Service > 13.24.3. Set Refresh Intervals > 13.24.3.1. Set Refresh Intervals

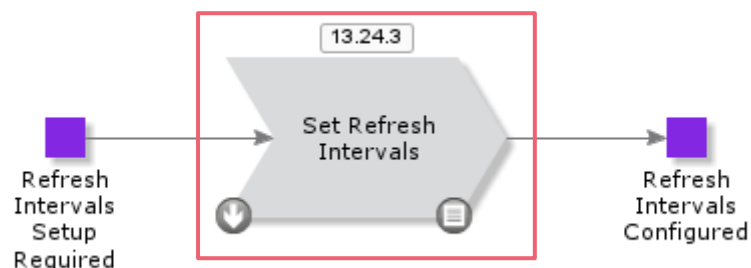


Figure 15

Next... Follow Step 4

1. [IFS Cloud Emissions Tracker Installation Guide](#)
2. [IFS Cloud Emissions Tracker Configuration Guide](#)
3. IFS Cloud Emissions Tracker Analysis Model Configuration Guide **(you are here)**
4. [IFS Cloud Emissions Tracker User Guide](#)