

# Quick Start Guide

Analysis Models - Power BI



# Contents

- 1 Solution Options
- 2 Data Configuration
- 3 Pre-requisites
- 4 Step-by-step guide

# Solution Options

# Solution Options

- Analysis Models - Power BI content can be used based on the preference.

Solution Options	High Level Action Items
Publish and Refresh IFS Core Models	<ol style="list-style-type: none"> <li>Download IFS Core Models and corresponding Data Source Definitions from <a href="#">Knowledge base resources</a>.</li> <li>Publish the IFS Core Model into the Golden Workspace via Power BI Desktop.</li> <li>Import the corresponding Data Source Definition via the <b>Parquet Data Source</b> page in IFS Cloud Web.</li> <li>Use the '<b>Publish</b>' option in the <b>Analysis Models</b> page and Refresh the Model.</li> </ol>
Upload and Refresh IFS Core Models	<ol style="list-style-type: none"> <li>Download IFS Core Models and corresponding Data Source Definitions from <a href="#">Knowledge base resources</a>.</li> <li>Import the corresponding Data Source Definition via the <b>Parquet Data Source</b> page in IFS Cloud Web.</li> <li>Use the '<b>Upload</b>' option in the <b>Analysis Models</b> page and Refresh the Model.</li> </ol>
Upload and Refresh Own/ Customized Models	<ol style="list-style-type: none"> <li>Create/customize Models.</li> <li>Use the '<b>Upload</b>' option in the <b>Analysis Models</b> page and Refresh the Model.</li> </ol>



# Data Configuration

# Data Configuration

- To ensure Analysis Models - Power BI functions correctly, Data Configurations must be properly defined.
- The following Basic Data in IFS Cloud is mandatory for most delivered Analysis Models.
  - Reporting Period
  - Reporting Currency Rate Type
- For Financial Models following high-level Data Configurations must be defined.

## 1. General Ledger

- Accounting Attribute
- Accounting Structures
- Reverse Income
- Company Structure

## 2. Group Consolidation

- Accounting Attribute for Consolidation
- Accounting Structure for Consolidation
- Reverse Income

# Data Configuration Cont.

## 3. Group Reporting

- Balance Sets
- Accounting Structures
- Code Part Attributes

## 4. Cash Planning

- Company Structure

- For HCM Models following high-level Data Configurations must be defined.

- Age Group Class
- Employee Duration Class
- Organization Structure

- To read more about Data Configuration, refer to the Technical Documentation for the Analysis Model Data Configuration.

# Pre-Requisites

# Pre-Requisites

- Environment setup completed for Analysis Models – Power BI.
  - Refer Technical Documentation for the Setup Guide
- Power BI Desktop installed on the device being used.

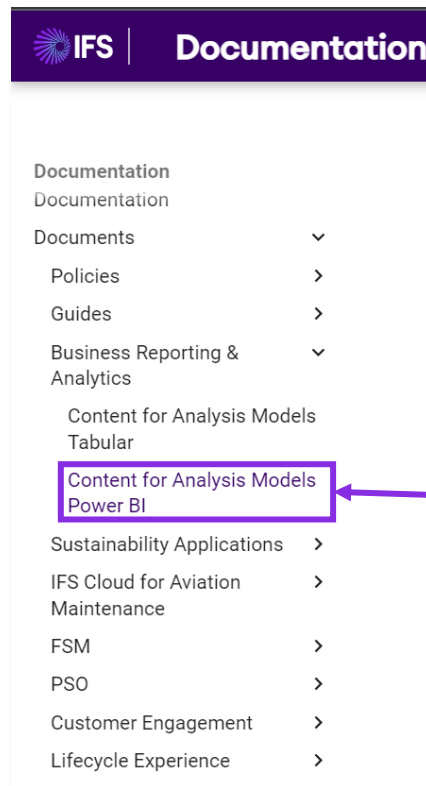
# Step-by-step guide

# Step-by-step guide

## Setting up Golden Workspace

# Navigate to Content for Analysis Models Power BI

- Follow the link <https://docs.ifs.com/> to IFS Docs and navigate to Content for Analysis Models Power BI page as shown.
- Documents > Business Reporting & Analytics > Content for Analysis Models Power BI



Navigate to Content for Analysis Models Power BI

# Download Relevant IFS Core model/ PBI Report

Navigate to the [Knowledge base resources](#) to view and download all released Models based on the functional area and IFS Version/ Service Update.

The screenshot shows the 'IFS Core Models' page. It features two main sections: 'CRM' and 'Financials'. The 'CRM' section has a table with columns for Model, 24R1, 24R2, and 25R1. The 'Financials' section has a similar table. A purple box highlights the 'CRM' tab, with a callout 'Functional Area' pointing to it. Another purple box highlights the '25R1' column in the 'Financials' table, with a callout 'IFS Cloud Version/ Service Update' pointing to it.

Model	24R1	24R2	25R1
CRM	<a href="#">CRM 24R1 V1</a> - SU06 <a href="#">CRM 24R1 V2</a> - SU11	<a href="#">CRM 24R2 V1</a> - GA <a href="#">CRM 24R2 V2</a> - SU05	<a href="#">CRM 25R1 V1</a> - EA <a href="#">CRM 25R1 V2</a> - GA

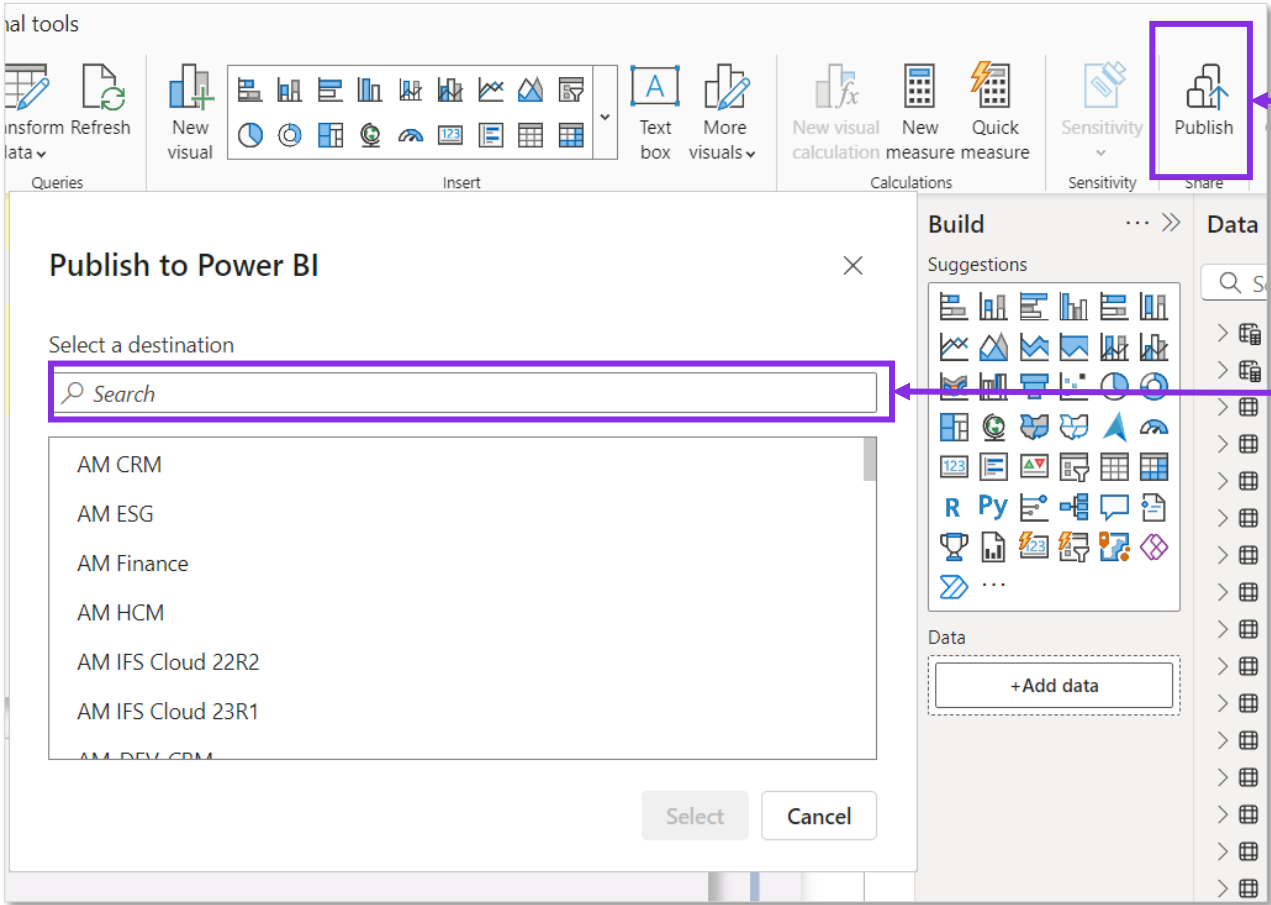
Model	24R1	24R2	25R1
Cash Planning	Not Applicable	<a href="#">CP 24R2 V1</a> - GA <a href="#">CP 24R2 V2</a> - SU05	<a href="#">CP 25R1 V1</a> - EA
GL	<a href="#">GL 24R1 V1</a> - SU06	<a href="#">GL 24R2 V1</a> - GA <a href="#">GL 24R2 V2</a> - SU05	<a href="#">GL 25R1 V1</a> - EA

Models are available in the appropriate naming convention, and they will be downloaded in .pbix format.

The screenshot shows the IFS Community website. The URL is 'community.ifs.com/announcements-notifications-280/content-for-analysis-models-power-bi-59876'. The page has a navigation bar with 'IFS Community', 'Resources', 'Product Updates', 'Events', 'Groups', 'Ideas', and 'Feedback'. A search bar and a '+ Start a new topic' button are also visible. A 'Recent Downloads' window is open, showing a file named 'IFS\_CRM\_25R1\_V2.pbix' (941 KB) with a 'Done' status. A purple callout box 'Downloaded as PBIX' points to the download notification.

# Publish .PBIX into the Golden Workspace

Open the downloaded file and Publish it to the Golden Workspace.



Select Publish option

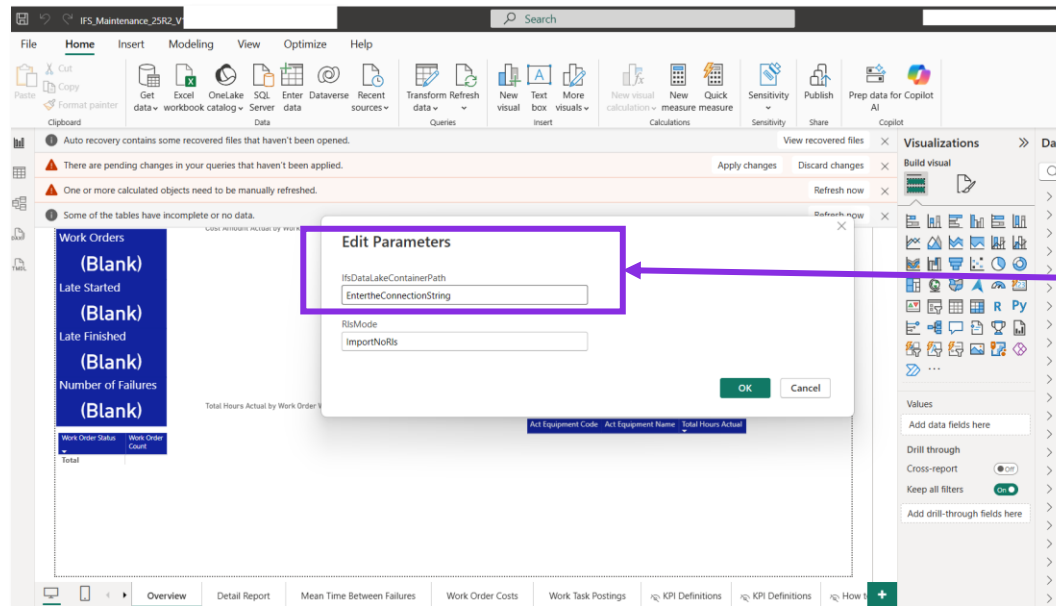
Search Golden Workspace

# Step-by-step guide

## Refreshing an IFS Core Model via Power BI Desktop

# Open the IFS Core Model and set the Parameter value

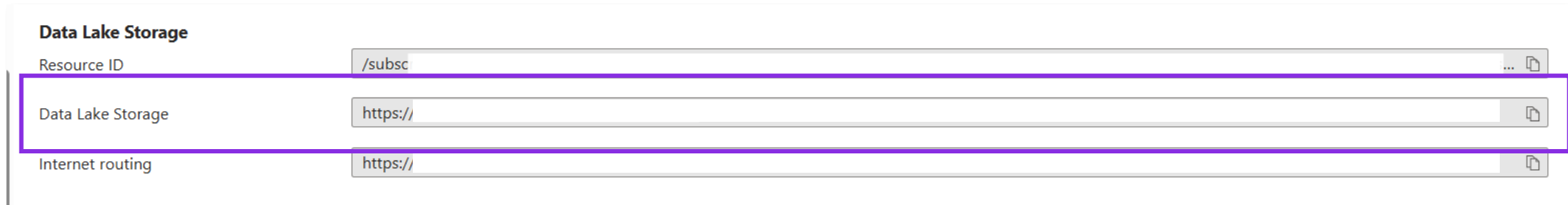
- Open the downloaded .PBIX file.
- Go to 'Edit Parameters' (or 'Manage Parameters').
- You will see the default value for the parameter **IfsDataLakeContainerPath** as '*EntertheConnectionString*'.
- Remove the default value and add your self hosted Data Lake container Path.  
**Container Path format:** `https://<storage-account-name>.dfs.core.windows.net/<container-name>`  
**Example:** `https://exampledatalakename.dfs.core.windows.net/exampledatalakecontainername`
- Apply Changes to refresh the Model.



Add the Parameter Value

# How to obtain the value for IfsDataLakeContainerPath ?

- In the Azure Portal, navigate to the Storage Account Properties and get the Data Lake Storage URL from the Endpoints section.



The screenshot shows the 'Data Lake Storage' section of the Azure Portal. It contains three rows of configuration options, each with a text input field and a copy icon. The 'Data Lake Storage' row is highlighted with a red border. The values in the input fields are: '/subsc' for Resource ID, 'https://' for Data Lake Storage, and 'https://' for Internet routing.

Property	Value
Resource ID	/subsc
Data Lake Storage	https://
Internet routing	https://

- If you use a Non-Organizational Account for Data Lake storage access, use the SAS URI generated when whitelisting IPs.
- Read More about SAS Token Creation and IP Whitelisting in IFS Technical Documentation:

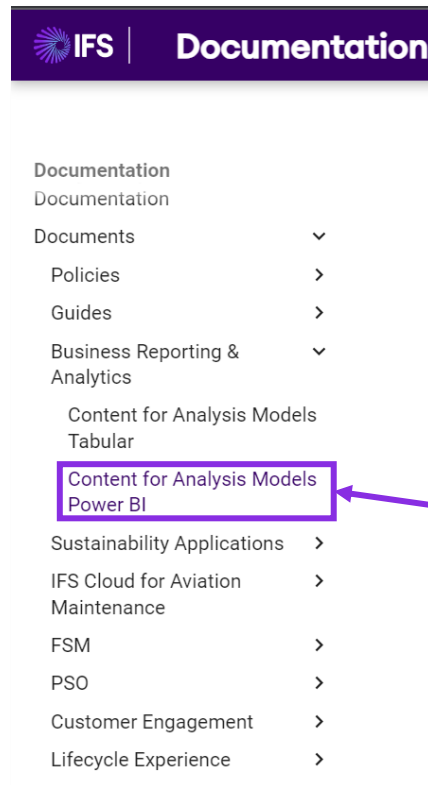
**Reporting and Analysis Guide > Analytics > Analysis Models Power BI > SAS Token Generation and IP Whitelisting**

# Step-by-step guide

## Download Data Source Definitions

# Navigate to Content for Analysis Models Power BI

- Follow the link <https://docs.ifs.com/> to IFS Docs and navigate to Content for Analysis Models Power BI page as shown.
- Documents > Business Reporting & Analytics > Content for Analysis Models Power BI



Navigate to Content for Analysis Models Power BI

# Download Relevant Data Source Definition

Navigate to the [Knowledge base resources](#) to view and download the related Data Source Definitions based on the functional area and IFS Version/ Service Update.

Data Source Definitions

Model	24R1	24R2	25R1
CRM	<a href="#">CRM 24R1 - SU06</a>	<a href="#">CRM 24R2 - GA</a>	<a href="#">CRM 25R1 V1</a> <a href="#">CRM 25R1 V2</a>

Financials

Model	24R1	24R2	25R1
Cash Planning	Not Applicable	<a href="#">CP 24R2 - SU05</a>	<a href="#">CP 25R1 - EA</a>
General Ledger	<a href="#">GL 24R1 - SU04</a>	<a href="#">GL 24R2 - GA</a> <a href="#">GL 24R2 V3 - SU09</a>	<a href="#">GL 25R1 - EA</a> <a href="#">GL 25R1 V2 - SU03</a>
Group Reporting	Not Applicable	<a href="#">GR 24R2 - GA</a>	Last modified: 24R2

Functional Area

IFS Cloud Version/  
Service Update

Download the Data Source definition of the required model (.json file).

community.ifs.com/announcements-notifications-280/content-for-analysis-models-power-bi-59876

Data Source Definitions

CRM

Recent Downloads

dataSourceExport\_CRM\_V2.json  
114 KB • Done

Downloaded as  
.json

# Step-by-step guide

## Import Data Sources

# Sign into IFS Cloud



The image shows a screenshot of the IFS Cloud login interface. On the left, there is a dark background with a satellite view of Earth at night, showing city lights. In the top-left corner, the IFS logo is displayed. On the right, a white login form is overlaid, titled "IFS Cloud". The form contains two input fields: "Username" with the text "johsmith" and "Password" with masked characters. Below the fields is a blue "Log in" button. A purple callout box with an arrow points to the login form, containing the text "Enter Username and Password".

# Navigate to Parquet Data Sources Page

- Follow the navigation steps below.
  - Solution Manager > Reporting and Analysis > Data Services > Data Source Management > Data Sources

The screenshot displays the 'Parquet Data Source' page in Solution Manager. The breadcrumb navigation is: Solution Manager > Reporting and Analysis > Data Services > Data Source Management > Data Sources. The page title is 'Parquet Data Source'. Below the title is a search bar and two buttons: 'Add New Data Source' and 'Import'. A table lists three data sources:

	Name	Source Name	Source Origin	Source Type	Area	Max Age	Last Refreshed	Load Status	Explicit Load	Load Type
<input type="checkbox"/>	FACT_BUSINESS_LEAD	FACT_BUSINESS_LEAD_...	Information Source	Fact	CRM	1	270 hours ago	Success	No	Full
<input type="checkbox"/>	DIM_RETURN_MATERIAL_REAS...	DIM_RETURN_MATERIA...	Information Source	Dimension	Shared	120	270 hours ago	Success	No	Full
<input type="checkbox"/>	DIM_RETURN_MATERIAL_REAS...	DIM_RETURN_MATERIA...	Information Source	Dimension	Sales	120	270 hours ago	Success	No	Full

Navigate to  
Parquet Data  
Source page

# Open Import Parquet Data Source Page

Find page

... / Reporting and Analysis / Data Services

**Data Sources**

Data Sources

Data Source Detail

## Parquet Data Source

Add New Data Source **Import**

	Name	Source Name	Source Origin	Source Type	Area	Max Age	Last Refreshed	Load Status	Explicit Load	Load Type
<input type="checkbox"/>	FACT_BUSINESS_LEAD	FACT_BUSINESS_LEAD_...	Information Source	Fact	CRM	1	270 hours ago	Success	No	Full
<input type="checkbox"/>	DIM_RETURN_MATERIAL_REAS...	DIM_RETURN_MATERIA...	Information Source	Dimension	Shared	120	270 hours ago	Success	No	Full
<input type="checkbox"/>	DIM_RETURN_MATERIAL_REAS...	DIM_RETURN_MATERIA...	Information Source	Dimension	Sales	120	270 hours ago	Success	No	Full

Select Import button

Solution Manager > Reporting and Analysis > Data Services > Data Source Management > Data Sources > Parquet Data Source

## Import Parquet Data Source

Data source Import Details

Choose The .json File To Be Uploaded

Use Imported Parquet Data Source Entries To Overwrite/Rename Existing Entries

Import Cancel

Select the icon to upload the .json file

# Import the Data Source Definition

Solution Manager > Reporting and Analysis > Data Services > Data Source Management > Data Sources > Parquet Data Source

## Import Parquet Data Source

Data source Import Details

Choose The .json File To Be Uploaded

dataSourceExport\_General\_Ledger.json

Use Imported Parquet Data Source Entries To Overwrite/Rename Existing Entries

Import Cancel

Switch toggle based on the requirement

Select Import button

Solution Manager > Reporting and Analysis > Data Services > Data Source Management > Data Sources > Parquet Data Source

## Import Parquet Data Source

Data source Import Details

Choose The .json File To Be Uploaded

dataSourceExport\_General\_Ledger.json

Use Imported Parquet Data Source Entries To Overwrite/Rename Existing Entries

Import Cancel

**Confirmation to Import**

Are you sure you need to import the Parquet data source entries without overwrite/rename existing entries?

Yes No

Confirm

# View Import Status

Import status is updated against each Data Source accordingly.

**Import Parquet Data Source**

Data source Import Details

Choose The json File To Be Uploaded

dataSourceExport\_General\_Ledger.json

Use Imported Parquet Data Source Entries To Overwrite/Rename Existing Entries

Back to Data Sources

**Import Status**

Import Process Successfully Completed.Refer To The Individual Data Source Statuses Below

DIM_CODE_Q	Inserted
DIM_ACCOUNTING_PROJECT	Inserted
DIM_COUNTERPART_GL	Inserted
DIM_CODE_P	Inserted
DIM_CODE_R	Inserted
DIM_ACC_ATTR_1_CODE_B_PO_TM	Inserted
DIM_ACC_ATTR_2_CODE_B_PO_TM	Inserted
DIM_ACC_ATTR_4_CODE_B_PO_TM	Inserted
DIM_ACC_ATTR_5_CODE_B_PO_TM	Inserted
DIM_ACC_ATTR_1_CODE_C_PO_TM	Inserted
DIM_ACC_ATTR_2_CODE_C_PO_TM	Inserted
DIM_ACC_ATTR_3_CODE_C_PO_TM	Inserted
DIM_COUNTER_PART_ONE	Inserted

Import Status	Description
NoAction	Imported successfully, if there are existing entries(same Data Source ID), it is not updated
Updated	Imported successfully, if there are existing entries(same Data Source ID), it is updated
Inserted	Imported all the new entries successfully
Error	Import Errors

View Import status

Use **Back to Data Sources** button to return to Parquet Data Source page.