



Dynamics 365 F&O Prototype

Technical documentation

30.08.2023 | Jedox

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1. Introduction

This document describes the solution "SuperCarbonPlanning" covering the connection to Rydoo and Climatiq. The SuperCarbonPlanning is a solution with predefined content as a model to plan and report people utilization data easily. This model provides users the possibility of unified planning, seamless data integration and simplified planning, reporting, and data analysis.

Rydoo is a company that offers expense management and travel solutions for businesses. Their platform provides tools for managing employee expenses, automating expense reporting, and simplifying travel booking and reimbursement processes. Rydoo's aim is to streamline expense and travel management, enhance visibility into spending, and improve overall efficiency for businesses of various sizes.

https://www.rydoo.com/

Climatiq provides an embedded carbon intelligence software that enables developers to automate GHG emission calculations based on verified scientific models. Its suite of products includes an open dataset of emission factors, and intelligent APIs that integrate with any existing software for real time monitoring of greenhouse gas emissions.

https://www.climatiq.io/

The document gives an overview of the Jedox application, describing the installation and configuration of the SuperCarbonPlanning model, reports, database, and integrator projects. In addition, it gives implementation hints on Jedox functioning, helping to understand, for example, how a report was built (pointing to which cube or dimension and attribute).

1.1 Document key – Read me

This document includes some tricks to provide a faster understanding of the solution:

- 1. This document is like a library. You do not need to start at the beginning and work your way through to the end. Feel free to do so or scan the table of contents and read what interests you most.
- 2. Some <u>implementation tips</u> are giving on how a report or logic is built in the backend/background (Database, Integrator). Those tips are marked with "Implementation hint:" and are only relevant for implementation experts and power users which are interested in or would like to adjust the application.

1.2 Basic information about Jedox Suite

In this chapter the current Jedox version, access to information regarding Jedox functionality and the system requirements of the Jedox Suite are briefly described. The SuperCarbonPlanning model can be used with versions beginning from Jedox Suite 2023.2.

The target group of the following chapters are power users and interested end users.

Information, manuals, and tips & tricks can be found on the Jedox "Knowledge Base". The Knowledge Base is a comprehensive source of knowledge for all Jedox topics.

Link to the Ideas Portal, Support Manual, Jedox downloads (older and current Jedox versions) can be found within the Customer Portal.

Knowledgebase:

http://knowledgebase.jedox.com/

Customer Portal:

https://my.jedox.com/

Jedox and therefore the SuperCarbonPlanning model can be used on different browsers. A full list is found here: <u>Technical specifications</u>

1.3 Architecture of Jedox components

The target group of this chapter are power users and interested end users.

Jedox optimizes planning, analytics, dashboards, and reporting with one unified solution for Business Intelligence (BI) and Corporate Performance Management (CPM). The solution combines the highly scalable Jedox analytics engine with a consistent experience across all devices that is designed to empower business users.



Figure 1: Jedox Architecture

The components used for the Jedox application are briefly described below.

Jedox In-Memory Server (OLAP – Online Analytical Processing)

The Jedox In-Memory server provides you with a highly scalable analytical appliance that delivers real-time performance over volatile enterprise data. The engine enables complex planning and forecasting with in-memory rules modelling, predictive analytics with powerful statistical heuristics and instant consolidations and reporting over large multi-dimensional datasets. All changes are logged for audit and compliance. The data stored in the cubes are displayed using PALO.DATA(C) formulas within the web reports.

Jedox Web

Jedox Web connects all Jedox components in a uniform web interface. Depending on the user's authorization, all functions of the Jedox Suite are available. This allows web-based reports to be generated centrally, via a browser, the OLAP database to be modeled and ETL processes to be monitored. In addition, end users can call up analyzer reports.

Jedox Integrator (ETL)

Jedox Integrator is used to create, modify, monitor, and execute all data integration projects. Various data sources can be integrated into the Jedox database, by building the connections to various data sources, in order to extract, transform and import master data and transaction data.

Jedox Marketplace

Jedox Marketplace is a web-based showroom featuring integrated planning and enterprise performance management applications for finance, sales, human resources, and other departments built by different Jedox Experts from Jedox Partners to the software vendor. Jedox Marketplace gives access to all those applications which incorporate best practices from around the world. The admin tool does not use the Jedox Marketplace as it is a customized built-in application.

Jedox Excel Add-in

Jedox Excel Add-in gives a user Business Intelligence and Enterprise Performance Management capabilities from flexible data modeling to ad hoc analytics, collaborative planning right in Excel. The admin tool does not use the Jedox Excel Add-in.

Jedox Mobile

Jedox Mobile empowers users to check real-time business intelligence dashboards, view canned reports, analyze data ad hoc, or submit planning figures with ease and security by mobile devices. The admin tool does not use the Jedox Mobile.

1.4 Description of Jedox Web components

The <u>target group</u> of the following chapter are power users and interested experts. The web interface of the Jedox Suite, in which the application is developed, is shown in the following image.

\bigcirc													
ŝÎÎ	Start 🕸												
	ĩ.	:	Ê₀		20								
	Report	Database	Integrator	Monitor	User								
(ئ)													
(🗖)	Open 🕸												
Ê	🕔 Recent (M	Aodels 🏑 Pinned	88 🗎										
6			-										
		Figure 2: C	verview Jedox '	Web									

Jedox Web interface (Jedox Suite) consists of different components, which are briefly described below:

Homepage

The homepage gives users access with one click to the most used features, like creating a new report, database, Integrator project, or new user. It shows the recent opened reports, which can be accessed by one click and provides some useful links to the Knowledge Base, trainings, what's new, etc.

Reports

The Jedox Reports publish all reports created in Report Designer in Jedox Web and provide a navigation interface. Business users usually have access only to this component, in which they can navigate between reports for planning, reporting and analyzing data.

Designer

The Report Designer allows business users to manage and organize spreadsheets and other related content in a secure, user-based administrative environment. Jedox Designer provides individual data

storage areas for each Jedox application and user, allowing the source files and related information, such as PDF, text, or images, to be integrated quickly and easily into a Jedox application.

Modeler

The Jedox Modeler allows the creation and modification of Jedox In-Memory / OLAP databases. The modeling environment makes it possible to create dimensions, elements, and store and combine them into Jedox OLAP data cubes. Alternatively, it is also possible to create dimensions and cubes using the Integrator.

Integrator

Jedox Integrator is used to create, modify, monitor and execute all data integration projects. Various data sources can be integrated into the Jedox database, by building the connections to various data sources, in order to extract, transform and import master data and transaction data.

Scheduler

In the Jedox Scheduler, work orders can be created and administrated for the execution of ETL processes. It means Integrator jobs will be scheduled to be executed at a specific time, like nightly jobs.

My Models

The "My Models" panel provides an overview of all models that were created, or installed, on the Jedox Web server. Models can be installed through the Marketplace. In a new installation, the "My Models" panel will most likely be empty. When models are installed, they are listed in a hierarchical structure on

the left side, with a detailed list in the main window. The user can navigate to the reports of a specific model from "My Models" by clicking the arrow icon. Reports are also accessible by navigating directly to the Reports section of Jedox Web. The list in "My Models" shows if an update is available in the Marketplace for one or more of the installed models.

Marketplace

The "Marketplace" panel shows all published models. The content here comes from a centralized server which is accessed over the Internet. If the Jedox server has no access to the Internet, the Marketplace may be shown on the client's web browser, but the actual installation of models will not be possible.

Administration

In administration, different configurations can be set, for example global connections, user rights and licenses. All users and groups that can access individual components and databases within the Jedox Suite are created and maintained there.



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The primarily used components are implementation of a new project or designer for development of web reports, as well as for the Modeler and Integrator for creating and importing master data and transaction data.

1.5 User rights in Jedox

This chapter describes user, user group and role rights in Jedox. The target group of the following chapter are power users.

User

A user is a user who is assigned to one or more user group(s). Multiple users can be in one user group. One user can have multiple user groups. In this case the user gets the rights of the most powerful user group.

User group

Application rights are set by the user group. Rights can be set to only have access to specific databases, elements, report and folder groups, etc. If all users have different access rights one user group must be created per user. A user group is assigned to a role, that is, a user group can have access only to one database or a user group sees in one dimension only the relevant regions which they should see.

Role

System relevant accesses are set by role. The role gives access to sections like Designer (for editing reports); see the Modeler and the Administration section.

The existing roles can be used in most projects. For example, the role Viewer is for business users which should only see reports; therefore, they get no access to the Designer, Modeler or Administration.

Find more information about user, user groups and roles in the Knowledge Base. <u>https://knowledgebase.jedox.com/knowledgebase/administration-user-rights/</u>

2. Installation & configuration

This chapter describes how to install and configure the Dynamics 365 F&O Prototype. That means, what are the first tasks to do after the installation?

The target group of the following chapters are implementation experts and interested power users.

2.1 Installation

To install the Dynamics 365 F&O Prototype starts with the marketplace section. In search bar type the Dynamics 365 and prototype will appear. Bear in mind that this prototype is only available on presales and beta channels.

Configure Finance a	and Operations for Jedox	2	
1. Select an integration	2. Select a model		
OData	General Ledger	Dynamics 3	865 F&O Prototype
Azure Datu Lake	Sales Analysis	Type	Model, Demo
		Department	Finance
	IIR Talent	Language	English
Related Links		Region	Global
App Links	External Links	Price	Free
Finance Cockett	Dynamics 365 Brance Densenics 305 House (Demo)	Documents	
Elannine		What's Now	Version 1.0.4
Version Blending Cash Flow		WHACS NEW	Version 1.0.4
	00000	Channel	jedox-presales 💌
This is a prototype of a l off 365 customer data.	Dynamic 365 Finance and Operations model that will automatically build a cube in Jedox directly CURRENT RESTRICTIONS: - Not for production use Only works with Dynamics OData integration.	Updated on	02/28/2023
- When linking to a Jedo PlanningModels db or Ir	x model, you can only link to Jedox Cost Center and Profit and Loss cubes from either tegratedFinancialPlanningdb.	Supplier Informatic	n
What's New		Created by	Jedox
Peport designs		About	
- Set variables for Cube	and DB selection		
DD Carlet			

2.2 Configuration

The Dynamics 365 F&O Prototype has 2 features included and with the configuration you can choose one of the solutions. Therefore, unnecessary features can be activate/deactivated. You can check for ETL part and the Reports. Check them both.

REPAIR PACKAGE			×
Selected packages:			
The following changes will be applied:			
Dynamics 365 F&O Prototype (com.jedox.model.d365 Dynamics 365 Finance & Operations Prototype. NOT FC PRODUCTION SYSTEMS.	fo) DR USE IN	Script exec	uted
Dynamics 365 F&O Reports (com.jedox.model.d365fo Dynamics 365 F&O Reports	reports)	Installed	
A set of example reports			
	<< Back	Finish	lose

The target group of the following chapters are implementation experts and interested power users.

2.3 Web reports

This chapter gives an overview of the reports and describes the process of setting up the environment, like uploading dimensions, uploading data, etc.

2.4 Report overview

The The Dynamics 365 F&O Prototype provides users with the possibility to access the dynamics environment and pull the data to reports. There are 3 main sections:

- 1. Integration choice
- 2. Wizzard choice
- 3. Report section

2.5 Data preparation

In this chapter all reports regarding data preparation are described.

2.5.1 Setup dimension structure

The dimension and cube data can be uploaded to the system from direct access to Dynamics 365 F&O.

• There are many tables to be accessesed and we will go step by step.

First, we will choose oData type of integration. In future, we should be also able to connect via Data Lake.

Dynamics F&O Configuration				
X. Jedox Dynamics 365 Finance & Operations				
Configure Finance and Operatio	OData Connection OData. Let's set up connectivity.	- "× ×		
1. Select an integration	Enter the connection details for your OData Virtual Data Provider. Your IT Dept should the information below. Click "Set" to save the client secret.	d be able to provide you with		
OData	Application ID ac2087d8-1b96-4187-8952-8d75bbce9e63 Client Secret Resource ID https://edoxfodemo39e1892cb99fc766aos.axcloud.dvnamics.com	Set IRI		
Azure Data Lake	URL https://jedoxfodemo39e1892cb99fc766aos.axcloud.dynamics.com Tenant ID150668cd-5037-43d6-a4a4-64e11e31f308		X Scope: Dynamics 365 F&O Prototype	
	HR Talent	Completed successfully!	Project: com.jedox.model.d365fo-Model1-GL- ODate Job: job-TestConnection	
3. Access your Reports			Close	
Database Biker Cube Balance	v			
S S S S S S S S S S S S S S S S S S S	Planning Template Simple Forecast			

Credentials need to be added and Client Secret is:

In case this does not work, contact IT support (not cloud support). You can generate your own on azure portal.

← → C ☆ 伦 portal.azure.co	m/#view/Microsoft_AAD_RegisteredApps/Applic	ationMenuBlade/~/	Credentials/appId/ac2087d8-	1b96-4187-8952-8d	175bbce9e63/isMSA	App~/false			
★ Bookmarks 🦳 Private 🔮 Yammer :	Home 🛛 🧧 PM Things 🏟 Global Product Ma 🚦	Features for Jedox	. 🦲 Vidgets Gifs 🔜 Custor	ners 📙 Booking	DeepL Translate	📀 Showpad Web	📙 Viza Nemacka	. Wordpress	s 🕲
■ Microsoft Azure		∠ Searc	h resources, services, and docs (G+/)					
Home > Dynamics365CRM Punamics365CRM	Certificates & secrets 🔗 🐇								
	🔗 Got feedback?								
 Overview Quickstart Integration assistant 	Credentials enable confidential applications to id scheme). For a higher level of assurance, we reco	entify themselves to mmend using a certi	the authentication service when ficate (instead of a client secret)	receiving tokens at a as a credential.	web addressable loc	ation (using an HTTP:	5		
Manage	 Application registration certificates, secrets ar 	nd federated credentia	ls can be found in the tabs below.				×		
Branding & properties									
Authentication	Certificates (0) Client secrets (5) Fede	erated credentials (())						
📍 Certificates & secrets	A secret string that the application uses to prov	e its identity when re	questing a token. Also can be re	ferred to as applicati	on password				
Token configuration	A secret string that the application uses to prov	e its identity when re	questing a token. Also can be re	rened to as applicati	on password.				
 API permissions 	+ New client secret								
Expose an API	Description	Expires	Value 🕕		Secret ID				
App roles	2023-08	8/29/2024	ilU*************		6152ae97-1b05-42c2	-b284-d58583fcc562	D İ		
Sources 34	Password uploaded on Thu Nov 14 2019	12/31/2299	9bK************		b1e43f93-e923-4435	-8208-7ae911211cc7	r 📋		
Roles and administrators	Kirill Test	12/31/2299	.Qy**************		59ecf635-6c7a-4be9	b7d9-475f7adec44a	D 📋		
0 Manifest	Password uploaded on Wed Apr 29 2020	12/31/2299	5:5************		2a6be828-e627-48ac	-a422-4c655846b395	n 📋		
Support + Troubleshooting	Password uploaded on Thu Nov 21 2019	12/31/2299	Zn3***************		2735983a-c607-4388	-a554-196e420b89d9	• 🗈 🧻		
 Troubleshooting New support request 									

Once the connection is set and tested successfully we will move to *General Ledger* Wizard. In future there should be Sales Analysis and HR Talent examples as well.

2.5.2 Getting Started

This guide will systematically walk you through the process of extracting Dynamics Finance GL Data and integrating it into Jedox.

IMPORTANT: We strongly recommend either utilizing the default database setting or establishing a new one. Opting for an existing database might result in object overwrites.

Moreover, there's an option to comprehensively scan all the existing tables within the system and preview their contents.

GL	Configu	iration		Preview			- ^ĸ ,	×	- "" ×
onfigui	0	Getting Started	1	Dynamics Table Preview					
elect a	(2)	Name Cube	W/	Sort Z-A	Page Size: 50 🛩	() Dynamic	s Login	sting databas	e, objects may
			be			⊗ □ Preview a	ill data		
	3	Dimensions		First page Back Next Last page	Page 1 of 58 (2898 records)		Count	в	
H .				Abbreviations		Get Row Count	154 📀		
	4	Additional Dimensions		AbsenceCodeGroups					
-				AbsenceCodes				С	heck Connection
	(5)	Build Model		AbsenceReasons					
-				AbsorptionCostJournalNames					
1	-	15 D I	Sc	AcceleratedDepreciationGroups					
		view Data	Jec	AccomodationTypes				s, sort	
			an	Accountants				₽.S	
				AccountStructureActivations					
				AccountStructureConstraints					
				AccountStructures					
				AccountTranslations					
				AccrualBasisEarningCodes					
ess y				AccrualEarningCodes					
1				AccrualPlanRules					
Demc				AccrualPlans					
				AccrualSchemes				Skin to	Ruild Model
3				AccrualTransactionsInquiries				2612.15	and the second
2 2				AcquisitionMethods				-	
19/0				ActionClasses					Next
0			-	ActionPopulateRecords					

2.5.3 Name Cube

This designates the cube's name where your Dynamics data is stored within Jedox. If necessary, you have the flexibility to modify the Entity Name, particularly if you've established a custom table for ledger summary particulars. (Please be aware: Altering the Entity name will be effective only if the modified table retains, at minimum, the same column names as the default table, GeneralLedgerActivities.)

You're presented with the choice to load the data on a yearly basis (which is advisable) or all at once. Furthermore, there are additional options available, including EntityMap, Chart of Accounts, and Dimension format, which can

also		be	configured	to	suit	your	requirements
Home L	ayout Help					-	0
() Recald	ulate 🖌 🗋 🐰	C 🗐 XLSX Snapshot	👜 XLSX OLAP Snapshot 💩 PDF 🔀 HTML	Enable undo	*		
Dynamics	F&O Configuration						- ×, ×
X.	Jedox Dynamics 3	65 Finance & Operations					A
GL Configu	iration					- "× ×	
0	Getting Started	2. Name vo	our cube.				
		This is the name of th	ne cube that stores your Dynamics data in Jedox.	You can change the En	tity Name if you have a custom table bu	ilt for the	
0	Name Cube	ledger summary deta standard table, Gener	ils. (NOTE: Changing the Entity name will only we ralLedgerActivities).	ork if the changed table	e still has at least the same column name	is as the	
(3)	Dimensions					(h) a	
		Cube	GL	Entity Map	GeneralLedgerActivities	0, ⊚	
4	Additional Dimensions	Load Hiter	All years	Chart Of Account	snared	-	
			Schedule my job daily (server time)	Dimension Format	Default dimensions integration	~	
5	Build Model		El screatie my jou dany (server dine)	MainAccour	Ledger dimensions integration		
(6)	View Bata				Budget register dimensions integration		
					Budget planning dimensions integration		
			Cool budget from Dynamics				
			Man Actuals to a destination cube				
			I wap Actuals to a destination case				
					Pack	lowt	
					Dack	IEAL .	

2.5.4 Dimensions and Additional Dimensions

The scanning process has populated the Dimensions Column. The 'Plural Label' represents the element that will serve as the total element within the dimension. It's important to note that data validation will only contain values when mapping to another cube.

Furthermore, any supplementary Dimensions are seamlessly incorporated into your Jedox model. Should you prefer, you have the option to rename them below.

Jedox Dynamics 365	Finance & Operations				
guration				- "x ×	
Getting Started	4. Additional D	imensions in vour	model.		
Name Cube	These additional Dimensions	are added automatically to your Jec	iox model. You can optionally rename	them below if you like.	
Dimensions	Additional Dimensions	Jedox Dimension	Plural Label		
Additional Dimensions	1. LegalEntity 2. Version	LegalEntity Version	All Legal entities All Versions		
Build Model	3. Month 4. Measure	Month Measure	All Months All Measures		
View Data			7		
	Measure Element	Value	~		
	Set Main Account Category Checking this box will include	y as a Virtual Dimension the Main Account Category as a vi	rtual dimension in the D365 cube.		
	3				

2.5.5 Build Model

In this segment, we're nearing the completion of the model creation process. The final stage involves clicking on BUILD to initiate the model's creation within Jedox from Dynamics 365. The duration of this step could vary depending on the chosen integration, potentially requiring some time. Once the process concludes, simply exit the wizard and proceed to the Modeler section in Jedox.

You'll find a fresh database present there, complete with your Jedox cubes and dimensions.

2.6 Reports

This chapter describes all reports.

For this demo we developed 5report examples.

- 1. Rolling 12 Months Expenses
- 2. 12 Month Trend Income Statement
- 3. 1 Month Income Statement
- 4. Planning Template
- 5. Simple Forecast

2.6.1 Rolling 12 Months Expenses

This report shows the data from our GL cube for a different month including rolling logic. Every time when the date is changed, months are updated automatically.

ing 12 Months E	xpenses															
Re Da	olling 12 Mo atabase: Dynamic	nths Exp s365testic •	enses Cube: GL													
Honth:	2017-01	~	BusinessUnit :	All Business units	v											
Version:	Actual	~	CostCenter:	All Cost centers	~											
Heasure:	Value (USD)	~	Department:	Al Departments	~											
LegalEntity:	All Legal entities	~														
				February	Marc	h April	May	June	July	August	September	October	November	December	January	TOTAL
TOTAL COST	OF GOODS SOLD			614,363.76	607,119.6	8 587,619.30	633,733.76	616,913.22	612,746.42	587,671.40	619,005.00	649,071.32	14,641,914.14	4,353,687.52	0.00	24,523,846.52
TOTAL DISCO	DUNTS			-369.52	-901.3	8 -895.36	-885.78	-655.18	-335.98	-867.84	-867.84	-335.98	-637.24	-7,868.42	0.00	-14,620.52
TOTAL PROJ	ECT COST OF GOO	DS SOLD		4,584,120.00	6,969,935.3	8 5,761,886.00	4,776,542.60	7,042,101.18	5,934,772.32	4,919,887.56	11,398,655.30	2,472,229,47	5,928,939.71	12,584,240.33	0.00	72,373,309.85
TOTAL OPER.	ATING EXPENSES			3,957,228.69	3,738,433.6	1 4,423,440.34	3,933,519.89	3,394,915.51	4,358,486.82	4,053,462.03	3,572,447.38	5,016,550.63	3,263,293.26	382,296,244.45	0.00	422,008,022.61
TOTAL INTER	REST EXPENSES			267,702.54	267,702.5	4 267,556.83	269,994.39	278,027.90	282,094.52	293,460.36	314,341.83	377,382.97	417,262.29	439,635.13	0.00	3,475,161.29
TOTAL GAINS	S & LOSSES			-109,978.46	-129,324.1	2 -128,188.69	-125,964.49	-127,677.89	-125,790.17	-125,228.31	-129,609.94	-133,313.90	-26,766.80	3,233,547.60	0.00	2,071,704.83
TOTAL INCO	ME TAXES			0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL EXTRA	AORDINARY ITEM	IS		0.00	0.0	00.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Expen	ses		9	313,067.00	11,452,965.7	1 10,911,418.42	9,486,940.37	11,203,624.74	11,061,973.92	9,728,385.20	15,773,972.73	8,381,584,51	24,224,005.37	402,899,486.61	0.00	524437424.57

2.6.2 1 Month Income Statement

Nice looking comparison of one month vs whole year accounts data split.

Dynamics F&O	Dynamics F&O Co × Income Statement ×					
Home Layout Help						
C Recalculate	· C La X C 個 XLSX Snapshot 個 XLSX OLAP Snapshot 個 PDF ⊕ HTML ・ Enable undo ~					
Income Statem	ient					
	1 Month Income Statement Database: Dynamics365testic • Cube: GL					

	January	All Months
TOTAL SALES	0.00	-360,094,848.43
TOTAL PROJECT REVENUE	0.00	-117,842,533.21
TOTAL REVENUE	0.00	-477,937,381.64
TOTAL REVENUE	0.00	-477,937,381.64
TOTAL COST OF GOODS SOLD	0.00	25,148,854.90
TOTAL DISCOUNTS	0.00	-14,990.04
TOTAL PROJECT COST OF GOODS SOLD	0.00	74,237,509.85
GROSS PROFIT	0.00	-378,566,006.93
TOTAL MANUFACTURING EXPENSES	0.00	9,738,138.75
TOTAL SELLING & AD EXPENSES	0.00	274,261,908.69
TOTAL PERSONNEL EXPENSES	0.00	46,270,175.85
TOTAL PROJECT PAYROLL ALLOCATION	0.00	0.04
TOTAL VEHICLE EXPENSES	0.00	3,019,266.24
TOTAL BUILDING & MAINT. EXPENSES	0.00	3,695,239.34
TOTAL ADMINISTRATIVE EXPENSES	0.00	1,362,908.88
TOTAL DEPRECIATION EXPENSE	0.00	4,083,234.82
TOTAL TAX EXPENSES	0.00	0.00
TOTAL OTHER EXPENSES	0.00	84,081,751.38
TOTAL PURCHASES INTERNAL	0.00	-0.06
TOTAL OPERATING EXPENSES	0.00	426,512,623.93

2.6.3 12 Month Trend Income Statement

2.6.4 Planning Template

CROCC RROFIT

In this report users can use Jedox planning capabilities to enter data for different versions/years and accounts.

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	,											
Month:	2017	~	BusinessUnit	All Business ur	nits 🗸							
Version:	Actual	~	CostCenter:	All Cost center	s 🗸							
Measure:	Value (USD)	~	Department:	All Departmen	ts 🗸							
LegalEntity:	All Legal entities	~										
		Qtr 1		Qtr 2		Qtr 3		201	7			
Accounts		Qtr 1 Act. 16	Budget	Qtr 2 Act. 16	Budget	Qtr 3 Act. 16	Budget	201 Act. 16	7 Budget	Variance	Act. 17	Comme
Accounts		Qtr 1 Act. 16	Budget 2,239,616	Qtr 2 Act. 16 226,693	Budget 683,188	Qtr 3 Act. 16	Budget 591,713	201 Act. 16 1,009,654	7 Budget 64,006,059	Variance 62,996,405	Act. 17 178,644 L	Comme
Accounts All Main accounts TOTAL ASSETS		Qtr 1 Act. 16 -22,814 70,905,832	Budget 2,239,616 0	Qtr 2 Act. 16 226,693 67,920,907	Budget 683,188 0	Qtr 3 Act. 16 225,030	Budget 591,713 0	201 Act. 16 1,009,654 -13,090,993	7 Budget 64,006,059 124,132,300	Variance 62,996,405 137,223,293	Act. 17 178,644 L -1,530,810 L	Comme
Accounts All Main accounts TOTAL ASSETS TOTAL LIABILITIE	5 & EQUITY	Qtr 1 Act. 16 -22,814 70,905,832 -4,598,085	Budget 2,239,616 0 0	Qtr 2 Act. 16 226,693 67,920,907 -4,325,231	Budget 683,188 0 0	Qtr 3 Act. 16 225,030 65,713,611 -4,994,429	Budget 591,713 0 0	201 Act. 16 1,009,654 -13,090,993 -39,506,897	7 Budget 64,006,059 124,132,300 -82,305,885	Variance 62,996,405 137,223,293 -42,798,988	Act. 17 178,644 L -1,530,810 L -361,710 L	Comme
uccounts Il Main accounts TOTAL ASSETS TOTAL LIABILITIE NET INCOME AFT	S & EQUITY FER TAXES	Qtr 1 Act. 16 -22,814 70,905,832 -4,598,085 -66,330,561	Budget 2,239,616 0 2,239,616	Qtr 2 Act. 16 226,693 67,920,907 -4,325,231 -63,368,984	Budget 683,188 0 0 683,188	Qtr 3 Act. 16 225,030 65,713,611 -4,994,429 -60,494,152	Budget 591,713 0 0 591,713	201 Act. 16 1,009,654 -13,090,993 -39,506,897 53,607,543	7 Budget 64,006,059 124,132,300 -82,305,885 22,179,644	Variance 62,996,405 137,223,293 -42,798,988 -31,427,899	Act. 17 178,644 -1,530,810 -361,710 2,071,163 2,071,163 -	Comme
Accounts NII Main accounts TOTAL ASSETS TOTAL LIABILITIE NET INCOME AFT Headcount	S & EQUITY TER TAXES	Qtr 1 Act. 16 -22,814 70,905,832 -4,598,085 -66,330,561 0	Budget 2,239,616 0 2,239,616 0	Qtr 2 Act.16 226,693 67,920,907 -4,325,231 -63,368,984 0	Budget 683,188 0 0 683,188 0	Qtr 3 Act. 16 225,030 65,713,611 -4,994,429 -60,494,152 0	Budget 591,713 0 591,713 0 591,713 0	201 Act. 16 1,009,654 -13,090,993 -39,506,897 53,607,543 0	7 Budget 64,006,059 124,132,300 -82,305,885 22,179,644 0	Variance 62,996,405 137,223,293 -42,798,988 -31,427,899 0	Act. 17 178,644 L -1,530,810 L -361,710 L 2,071,163 L 244 L	Comme

2.6.5 Simple Forecast

In this report, version blending capability is presented. That means that actual data will be written in all forecast versions which contain actual parts like 3+9,6+6,9+3 etc.

3. Data model (database)

In the following chapter the existing dimensions and cubes are described.

The <u>target group</u> of the following chapters are implementation experts and power users with Data Modelling knowledge.

3.1 Dimensions

Within the database model, dimensions have been created to store the data on elements within these dimensions. In addition to dimensions (or elements) for master data, further control dimensions exist, which are used to control report content.

Туре	Dimension	Root	Used for	Comment
٦	_dimensions	No root element	Data cube	Contains the elements which are appearing in the wizard.

Л	_properties	No root element	Data cube	Contains the elements which are appearing in the wizard.
٦	_servicedoc	No root element	Data cube	Contains the dimension which are read from the Dynamics System

٦	BusinessUnit	ightarrow All Business units	Data cube	Different business units in the company
R	CostCenter	ightarrow All Cost centers	Data cube	Contains Cost centers of the company.
٦	Department	ightarrow All Departments	Data cube	Different departments from the company
R	LegalEntity	ightarrow All Legal entities	Data cube	Different Legal entities
Г	Month	ightarrow All Months	Data cube	Time dimension, capturing elements until month level.
٦	Main Account	ightarrow All Main accounts	Data cube	Contains CoA
٦	Version	No root element	Data cube	Contains versions like Actual, Plan etc
٦	Measure	→All Measures	Data cube	Values in the cubes in USD and LC

Legend

Туре	Name
٦	Dimension
\rightarrow	Root of Top-Element
L,	Root of Parallel-Hierarchy

3.2 Cube structure and construction

This chapter describes the cube structure. It helps to decide if the Accelerator should be implemented.

3.2.1 Overview of existing cubes

The following table describes all existing cubes to store transaction data and controlling cubes:

Name Type	Comment
-----------	---------

GL	Transaction data	General Ledger data from Dynamics F&O system

4. Business logics (Rules)

This chapter describes business logics (rules) in the model. The <u>target group</u> of this chapter are implementation experts and power users with rules knowledge.

There are no rules in this prototype.

5. Integrator projects

This chapter describes all Integrator projects (bundle of automated processes).

The <u>target group</u> of the following chapters are implementation experts or power users with Integrator knowledge. Integrator projects, which are already explained within the foundation documentation are not listed here.

5.1 Project "viewFunctions"

This project contains functions to create views. This project is used by the Jedox Ecosystem models.

	Monitor × Model1-GL-OData × _viewFunctions ×			
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5.2 Integrator project "Model1-GL-OData"

OData connection project for Dynamics 365. Here we are pulling the data from the system and write it to our GL cube.



Glossary

This chapter describes abbreviations and wording.

Term	Description
ВІ	Business Intelligence
СРМ	Corporate Performance Management
EA	Element attribute structure – a logic to create a dimension structure. Example: Element (Product ID: 10475), Name (Product Name: Bike)
End user	A professional expert on customer side who uses the Jedox software. This person plans data and might not have been part of the implementation process of Jedox.
EPM	Enterprise Performance Management
ETL	Extract, Transform, Load. Often used as a synonym for Integrator.
FH	Full hierarchy: it is a logic to upload elements, hierarchies, and attributes to a dimension. Example: Level1 (All products), level2 (Product group), level3 (Product) Alternative: check out PC and EA.
Implementation expert	A person to build/setup/adjust/implement/configure the Accelerator. A Jedox expert with knowledge about data modelling (setup databases), Integrator (automated processes), business logics (rules) and reporting.
Measure	A measure is a KPI and usually stored within a measure dimension like Profit and Loss_measure.
Model	A model is a solution with prebuilt content like reports, database, and automated processes (Integrator process) with Jedox. It can be installed either through the Marketplace by clicking on one of the solutions or by using a .jdxp file (which is a model as well).
OLAP	Online Analytical Processing is the technology in Business Intelligence to store data in multidimensional analytical format. This enables flexible and high-performance business reporting, planning, and analyzing data.

PC	Parent Child: It is a logic to upload elements, hierarchies, and attributes to a dimension. Example: Parent (All products), Child (Product group) Parent (Product group), Child (Product) Alternative: check out FH and EA.
Power user	A user of the Jedox software on customer side whose skills and expertise are (will be) more advanced than most other users, especially a person who is assigned additional administrative rights and responsibilities for Jedox. For example: definition of dimension structures, defining source systems, load of data. Usually, attendee in Kick Off workshop.
Reporting currency	A reporting currency is the currency with which all legal entities can be compared. Therefore, data of different currencies will be converted to this reporting currency.

Role	System rights are set across roles. Like granting access to different sections "Designer", "Modeler" and/or "Integrator".
Rule	A rule is a business logic, a calculation within the cube which calculates for example measure 1 * measure 2.
User	A user is assigned to a user group. All rights in Jedox are set to user groups or roles. Multiple users can be in one user group. One user can have multiple user groups. In this case the user gets the rights of the most powerful user group.
User group	A user is assigned to a user group and a user group is assigned to a role. Application rights are set across user groups. Like user group controlling has access to database with the Profit and Loss model.
YTD	Year-to-Date. Parallel hierarchy within "Month" dimension. Example: 2022-03_YTD > 2022-01, 2022-02, 2022-03.
YTG	Year-to-Go. Parallel hierarchy within "Month" dimension. Example: 2022-10_YTG > 2022-10, 2022-11, 2022-12.



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