Technical Documentation - CAPEX Analysis report

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Access Management

Roles & Access

List of application role + menu role and explanation if we have several applications role with specials rules.

Role Code	Role Description	Explanation
ZR_RCS_CA_M50	CX - CAPEX Analysis	Role menu for all CAPEX queries
ZBI_RCS_CX_A01	Application CAPEX analysis - End user role :	

Authorization Objects

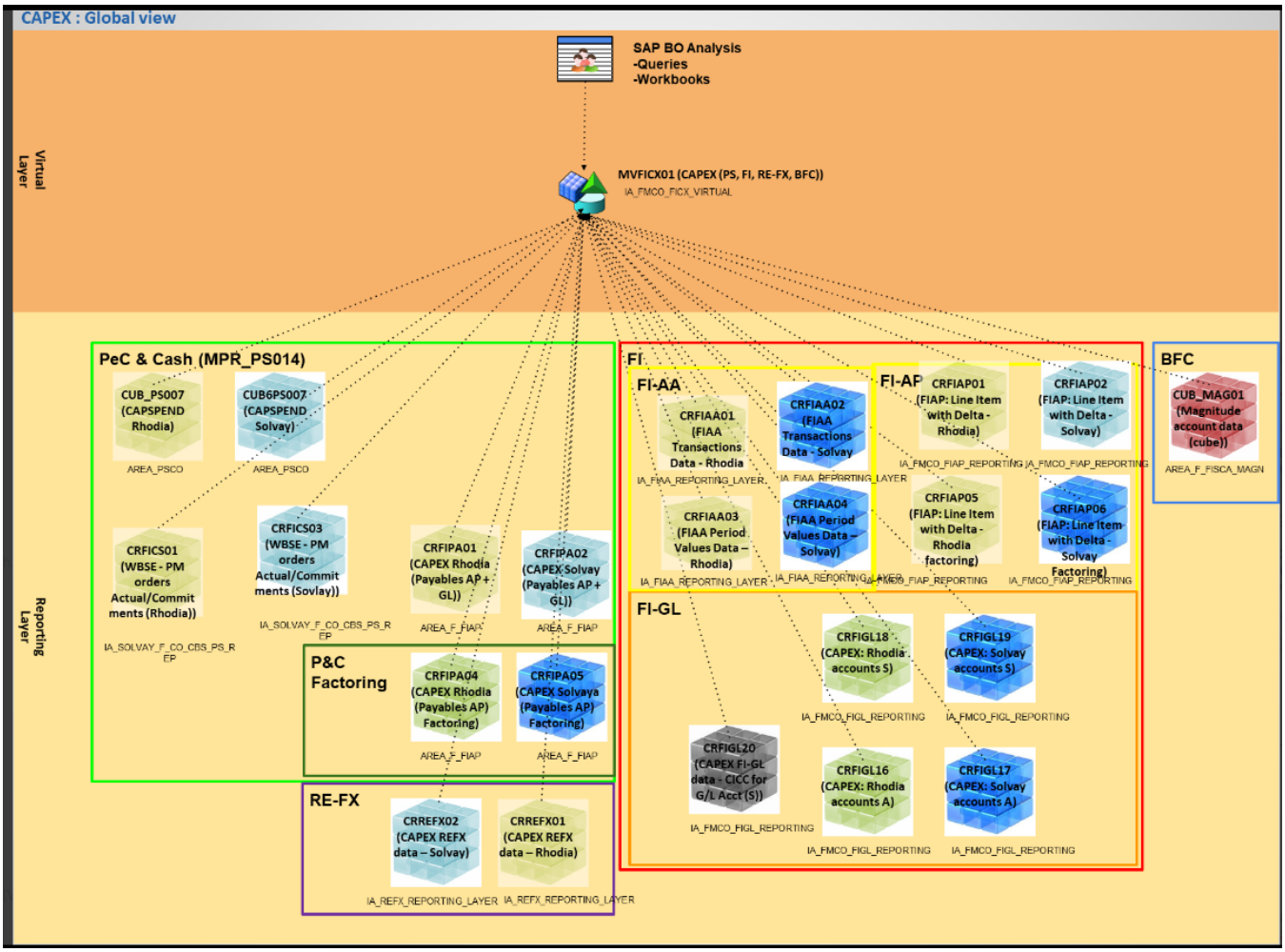
List of authorization objects mandatory for the application.

Authorization object	Explanation
C_COMPCDE C_COMPPRS	Company, role: ZR_*_CA_P01
CPFCTR1_2	GBU, role: ZR_*_CA_P05
C_MNGAREA	PRS area: ZR_*_CA_P08
C_COMPCDE__C_AUTHMA	Authorization scope role: ZR_*_CA_P00

See also file maintained by Authorization team : BW Catalog of Roles / link:

DataFlow

Overview



Detailed data flow (August 2023):

Technical Rules on Workbench

FI-GL for CAPEX documentation

These flows contain all the FI-GL data used for the calculation of the CAPEX FI key figures (Key figures "FI Detailed posting" and "FI CX accounts"):

FI-GL for CAPEX

FI-AP documentation

These flows contain all the FI-AP data used for the calculation of the CAPEX FI key figures (Key figures "FI Detailed posting" and "FI CX accounts"):

It is part of Working Capital documentation:

Technical Documentation - RTR - FI Working Capital for Solvay Group (WBP)

Fixed Asset Supplier (FAS) and Lease Interface

This requirement concerns CAPEX data but at detailled level so it was based on the existing Working Capital multiprovider on DSO (MVFIWC03).

More information about this solution, refer to the Working Capital documentation:

Technical Documentation - RTR - FI Working Capital for Solvay Group (WBP)

BFC documentation

This flow contains BFC data used for the calculation of the CAPEX BFC key figures

It is part of Working Capital documentation:

Technical Documentation - RTR - FI Working Capital for Solvay Group (WBP)

Cash Out documentation (PeC & Cash):

This flow contains FI data used for the calculation of the CAPEX Project key figures

Technical Documentation - Project Cost

Asset Accounting (BW RTR FI-AA)

The Asset Accounting (FI-AA) component is used for managing and supervising fixed assets with the SAP System. FI-AA was developed exclusively to meet IFRS16 requirements, however, it is being or will be used across Solvay for other requirements. Cubes related to AA have been develped and added to existing CAPEX Multiprovider (MVFICX01)

FI-AA for CAPEX

Flexible Real Estate Management (BW RTR RE-FX)

This requirement mainly related to IFRS16 (IFRS 16 is effective for annual reporting periods beginning on or after 1st January 2019) data where Solvay is now in position to extract RE-FX data as part of CAPEX reporting and hence RE-FX reporting cubes have been added to existing CAPEX Multiprovider (MVFICX01).

RE-FX for CAPEX

Reporting

Queries End User Documentation

RtR presentation:

https://drive.google.com/open?id=1SlcN2rzrL3F5IdQFSl_KtKYLnM_yvEuUZ67eEH6HQ5c

CKF and RKF explanations:

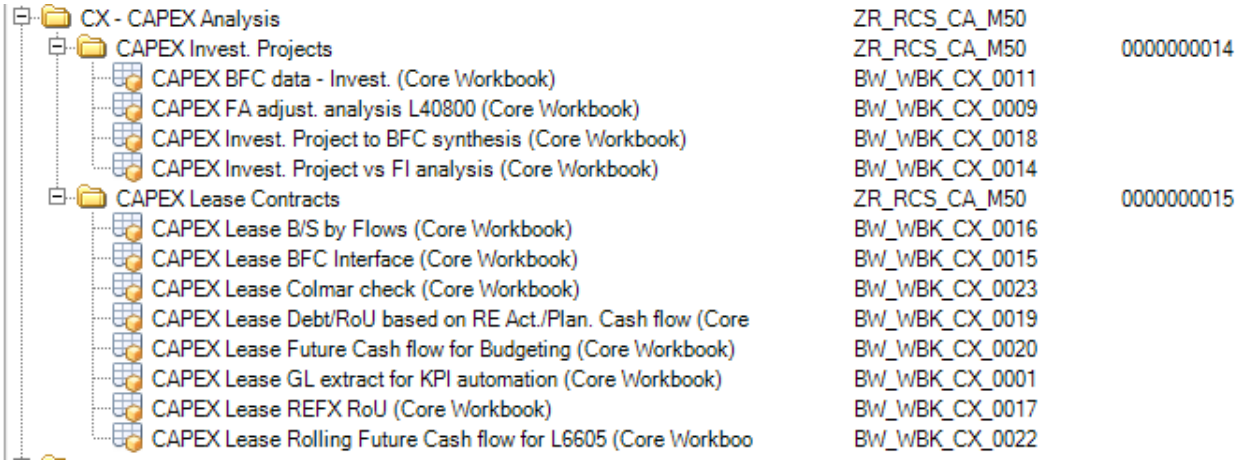
Main queries

Query	Name
BW_QRY_MVFICX01_0009	CAPEX L40800 Legal FA adjust. balances (Core Query)
BW_QRY_MVFICX01_0011	CAPEX BFC Invest. data (Core Query)
BW_QRY_MVFICX01_0014	CAPEX Invest. Project vs FI det. analysis (Core Query)
BW_QRY_MVFICX01_0015	Capex Lease interface to BFC (Core Query)
BW_QRY_MVFICX01_0016	CAPEX Lease B/S by Flows - Debt (Core Query)
BW_QRY_MVFICX01_0017	CAPEX Lease B/S by Flows - REFX RoU (Core Query)
BW_QRY_MVFICX01_0018	CAPEX Invest. Project to BFC synthesis (Core Query)
BW_QRY_MVFICX01_0019	CAPEX Debt/RoU based on RE Act./Plan. Cash flow (Core Query)
BW_QRY_MVFICX01_0020	CAPEX Future Cash flow for Budgeting (Core Query)
BW_QRY_MVFICX01_0021	CAPEX Lease B/S by Flows - AA RoU (Core Query)

BW_QRY_MVFICX01_0022	CAPEX Rolling Future Cash flow for L6605 (Core Query)
BW_QRY_MVFICX01_0023	CAPEX Lease Colmar check (Core Query)
BW_QRY_MVFICX01_0024	CAPEX Lease B/S by Flows - SAP vs BFC Debt (Core Query)
BW_QRY_MVFICX01_0025	CAPEX Lease B/S by Flows - SAP vs BFC RoU (Core Query)
BW_QRY_MVFICX01_007	CAPEX Colmar interface - Lease data (Core Query)
QV_BW_QRY_MVFICX01_0001	CAPEX BFC FA+RoU for QS (Core Query)
QV_BW_QRY_MVFICX01_0002	CAPEX SAP RoU for QS (Core Query)
BW_QRY_CPFICX02_0001	CAPEX Lease GL extract for KPI automation (Core Query)

Reports are available via workbooks published in the Roles menu.

Role menu "CX - CAPEX Analysis" (ZR_RCS_CA_M50)



Main functionalities

Complex formulas: most of the key figures definitions contains formula variables in order to calculate the "conso" view and use the "enlarge to PM" option.

Currency conversion: key figures are available in local currency but can be converted according to a target currency entered in a query prompt.

Dependencies with other applications

Data Loading

Info Providers and objects loaded

The lists of process chain are in subsections FI-GL for CAPEX, FI-AP, FI-AA...) .

Main Process Chain	Final Provider Loading	Frequency	Time start	Duration

Data Quality Control

Data come from SAP system. To compare data between BW and sources systems, check propagation layers.

Operational Documentation

Procedures

<Describe the recurring procedures needed to operate the application (eg. start/pause/terminate/restart the app processes, data preparation, data ingestion, ETL, data visualization, data export, other manual activities)>

Scheduling

<Describe the scheduling in place for the application (eg. existing jobs, trigger time/event based, dependencies)>

Monitoring

<Describe the monitoring checks to confirm the application is performing well (eg. check the overall status, check performance metrics like runtime /data volume/memory/disk/CPU, maintain and react to alerts/notifications)>

Error Handling

<Describe how to handle errors (eg. error codes, description and respective resolution, alert users)>

Known Bugs

<List the existing bugs, its criticity, workarounds and resolution plan.>

Roadmap

<List past & future evolutions for the application (including links to MED/FSD/TSD)>