

Liquidity Management: Customizing Activities

May 2016

Product Version / LoB:
SAP S/4HANA Finance 1605

E2E Solution/Solution Capability:
Treasury and Financial Risk Management /
Cash and Liquidity Management



Learning Objectives



At the end of this lesson, you will be able to:

- Understand the required Customizing settings for the *Develop Liquidity Plans* app and the *Liquidity Plans* app
- Understand the required customizing settings of *Liquidity Forecast*
- Understand the required customizing settings of *Liquidity Forecast Details*
- Understand the required customizing settings of *Actual Cash Flow*
- Understand the required customizing settings of *Cash Flow – Detailed Analysis*

Agenda

- 1 Customizing of Develop Liquidity Plans and Liquidity Plans**
- 2 Customizing of Liquidity Forecast**
- 3 Customizing of Liquidity Forecast Details**
- 4 Customizing of Actual Cash Flow**
- 5 Customizing of Cash Flow – Detailed Analysis**

Agenda

1 Customizing of Develop Liquidity Plans and Liquidity Plans

Customizing Settings in the Backend Server

Customizing Settings in the Frontend Server

2 Customizing of Liquidity Forecast

3 Customizing of Liquidity Forecast Details

2 Customizing of Actual Cash Flow

3 Customizing of Cash Flow – Detailed Analysis

Customizing Settings in the Backend Server

Activate BI Content Bundle

The screenshot displays the 'BI Content Activation Workbench: Activate Content Bundle' interface. At the top, there are several action buttons: 'Activate', 'Activate in Background', 'Simulate Activation', 'Show Detail...', 'Refresh', and 'Show Log...'. Below these, the configuration is organized into several sections:

- Business Category:** A dropdown menu set to '03 Business Functions'.
- Content Bundle:** A dropdown menu set to 'FIN_CLM_PLANNING'.
- Description:** A text field containing 'Liquidity Planning'.
- RFC Destination for Content Objects:** A text field set to 'NONE' and an 'RFC Mapping...' button.
- Source Systems for DataSource Replication:** A section with four radio button options: 'No DataSource Replication', 'Current Logon Client' (which is selected), 'All Clients of Logon System', and 'Selected Source Systems'. Below these is a 'Select...' button and a list box containing 'U92CLNT012'.
- Treatment of Already Active Content Objects:** Three radio button options: 'Automatic' (selected), 'Match', and 'Copy'. Below them is a checkbox for 'Install all Collected Objects'.
- Activation Status for Selected RFC Destination:** A status indicator showing a green square and the text 'Activation finished'.

- Activate BI contents in Liquidity Management by activating the BI content bundle *FIN_CLM_PLANNING* using transaction *BSANLY_BI_ACTIVATION*. The Business Category for this bundle is *03 Business Functions*.
- If the BI bundle cannot be activated successfully, you need to activate all the BI contents collected in the bundle using transaction *RSOR*. Click the *Show Detail* button to check the collected BI contents.

Customizing Settings in the Backend Server

Activate Additional BI Contents Not in the BI Content Bundle

Object Type	Object Type Technical Name	Object Description	Object Technical Name
BPC Unified Environment	ENVM	Liquidity Plans Environment	0FCLM_LP_ENV
BPC Model	MODL	Liquidity Plans Model	0FCLM_LP_ENV FCLM_LP_MODEL
BPC BPF	BBPF	Develop Liquidity Plans(Design Studio)	0FCLM_LP_ENV FCLM_LP_PROCESS
BPC Workspace	WKSP		0FCLM_LP_ENV/Root 0FCLM_LP_ENV/Public 0FCLM_LP_ENV/Teams
Analysis Application	AZAP	Analyze Liquidity Plans by Planning Currency	0FCLM_ALP_PCUR

- Additional BI contents not collected in BI content bundle FIN_CLM_PLANNING should be activated individually via transaction RSOR
- See the detailed steps on the next slide
- When activating the BPC related object, error 'No hierarchy with object version A available in BW' may occur. Please ignore it and continue. This is due to the Planning Unit Hierarchy (slide 10) is not maintained.

**Prerequisite:*

Make sure you have finished the BPC installation by following the latest installation guide [here](#) before activating these BPC related BI content listed on this slide

Customizing Settings in the Backend Server

Activate Additional BI Contents Not in the BI Content Bundle

The screenshot shows the SAP Data Warehousing Workbench: BI Content interface. The left panel displays a tree view of object types under 'BI Content', with 'Object Types' selected. The middle panel shows a list of object types with their technical names. The right panel shows a list of collected objects, with 'OANALYSIS' selected.

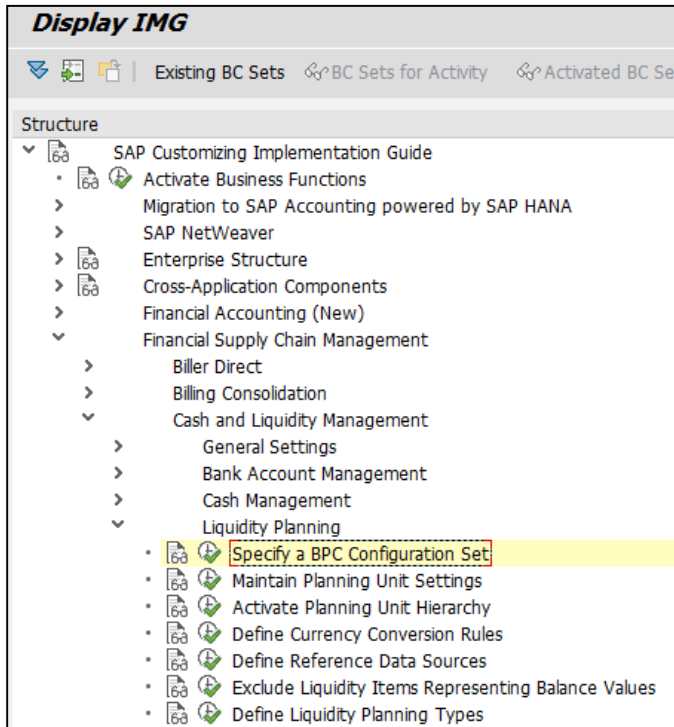
All Objects According to Type	Technical...
> Data Transfer Process	DTPA
> Process Chain	RSPC
> Processes	PROCESSES
> Planning	PLAN
> Report-Report Interface	RRIF
> Currency translation type	CTRT
> Quantity Conversion Type	UOMT
> Analysis Process	ANPR
> Analytics Security Object (BI)	ASOB
> More Types	OTHERS
> Analysis Office Excel Wor	AAOE
> Analysis Office PowerPoin	AAOP
> Mining Model	ANMO
> Model Source	ANSO
> Analysis Application	AZAP
• Select Objects	
• OANALYSIS	OANALYSIS
> Design Studio Extension	AZEX

Collected objects	I	M	S	A	Technical name	Ele
• OANALYSIS	<input checked="" type="checkbox"/>				OANALYSIS	

1. Go to transaction *RSOR*.
2. Choose *Object Types* on the left panel.
3. On the middle panel, find an object type of the BI Contents listed on the tables in the previous two slides.
4. Choose *Select Objects*.
5. In the dialog box, select the objects to be activated.
6. Choose *Transfer Selections*.
7. On the right panel, select *Dataflow Before and Afterwards* in the Grouping menu.
8. Select all the objects.
9. Choose *Install* to start the content installation.

Customizing Settings in the Backend Server

Specify a BPC Configuration Set



The screenshot shows the 'Display View "BPC configuration for MLP": Overview' table. The table has the following columns: BPC Application Set ID, BPC Application ID, Activate, BPC Template ID, and BPC In. The data row shows: OFCLM_LP_ENV, FCLM_LP_MODEL, a checked checkbox, FCLM_LP_PROCESS, and /ERP/1.

BPC Application Set ID	BPC Application ID	Activate	BPC Template ID	BPC In
OFCLM_LP_ENV	FCLM_LP_MODEL	<input checked="" type="checkbox"/>	FCLM_LP_PROCESS	/ERP/1

- By default, the standard BPC configuration set provided by SAP is activated for Liquidity Planning.
- If you want to use your own configuration set, add the configuration set and make sure only one configuration set is activated for Liquidity Planning.

Customizing Settings in Backend Server

Maintain Planning Unit Settings

Display IMG

Existing BC Sets | BC Sets for Activity | Activated BC Sets for A

Structure

- ▼ SAP Customizing Implementation Guide
 - Activate Business Functions
 - > Migration to SAP Accounting powered by SAP HANA
 - > SAP NetWeaver
 - > Enterprise Structure
 - > Cross-Application Components
 - > Financial Accounting (New)
 - ▼ Financial Supply Chain Management
 - > Biller Direct
 - > Billing Consolidation
 - ▼ Cash and Liquidity Management
 - > General Settings
 - > Bank Account Management
 - > Cash Management
 - ▼ Liquidity Planning
 - Specify a BPC Configuration Set
 - **Maintain Planning Unit Settings**
 - Activate Planning Unit Hierarchy
 - Define Currency Conversion Rules
 - Define Reference Data Sources
 - Exclude Liquidity Items Representing Balance Values
 - Define Liquidity Planning Types

Change View "Maintain Planning Unit Settings": Overview

New Entries

Dialog Structure

- ▼ Maintain Planning Unit Settings
 - ▼ Maintain Planning Currencies

Planning Unit	Description	Agg. Curr.	Planner	Reviewer	CoCd
1	HeadQuarter	EUR	SATREVIEWER	ZHANGJOA	CM01
2	Americas	USD	SATPERFORMER	SATREVIEWER	
3	USA Company	USD	SATPERFORMER	SATREVIEWER	ZTF1
4	Canada Company	USD	ZHENGJIE	ZHENGJIE	CM11
5	Asia	USD	SATPERFORMER	SATREVIEWER	
6	China Company	CNY	JIANGJOHN	CHENMO	
7	Japan company	JPY	CAICO	CAICO	0001
8	Beijing Subsidiary	CNY	CHENMO	CHENMO	CM03
9	Shanghai Subsidiary	CNY	CHULE	CHULE	CM06
10	Europe	EUR	SATPERFORMER	SATREVIEWER	
11	Germany Company	EUR	SATPERFORMER	SATREVIEWER	CM04

Change View "Maintain Planning Currencies": Overview

New Entries

Dialog Structure

- ▼ Maintain Planning Unit Settings
 - ▼ Maintain Planning Currencies

Planning Unit: [1]

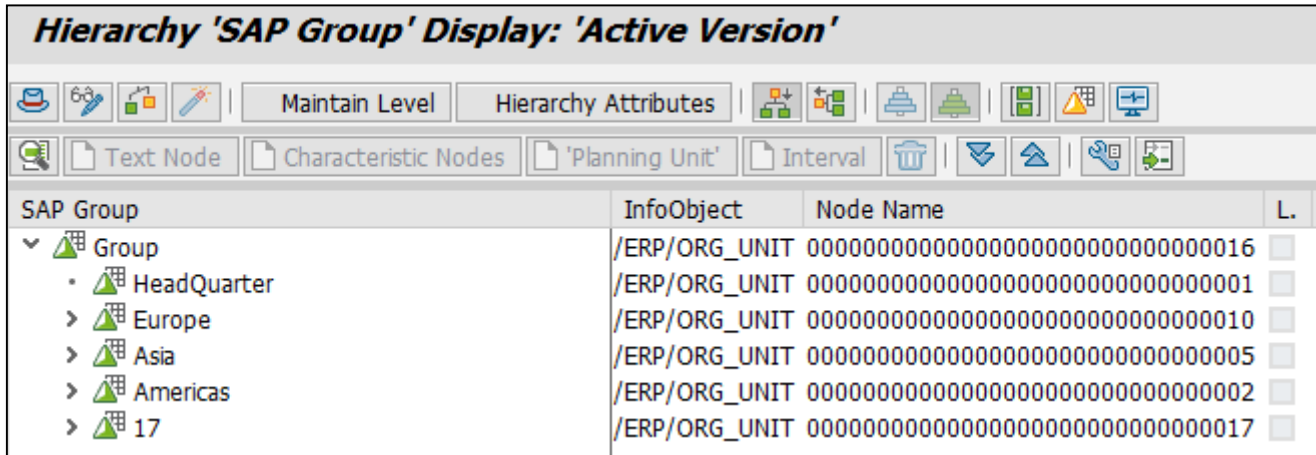
Maintain Planning Currencies

Planning Currency
CNY
EUR
USD

- In this Customizing activity, you can define planning unit and its related attributes, including description, aggregation currency, planner, reviewer, company code, planner team, and reviewer team.
- Planning currencies can be defined for planning units in the drilldown view *Maintain Planning Currencies*.
- In addition to the IMG structure, you can also access the maintenance view cluster *FCLM_VC_ORG_UNIT* using transaction *SM34*.

Customizing Settings in the Backend Server

Maintain Planning Unit Hierarchy Settings



The screenshot shows the SAP Hierarchy 'SAP Group' Display: 'Active Version' interface. The main area displays a tree view of planning units under the 'SAP Group' node. The tree structure is as follows:

- Group
 - HeadQuarter
 - Europe
 - Asia
 - Americas
 - 17

SAP Group	InfoObject	Node Name	L.
Group	/ERP/ORG_UNIT	0000000000000000000000000000000016	<input type="checkbox"/>
HeadQuarter	/ERP/ORG_UNIT	0000000000000000000000000000000001	<input type="checkbox"/>
Europe	/ERP/ORG_UNIT	0000000000000000000000000000000010	<input type="checkbox"/>
Asia	/ERP/ORG_UNIT	0000000000000000000000000000000005	<input type="checkbox"/>
Americas	/ERP/ORG_UNIT	0000000000000000000000000000000002	<input type="checkbox"/>
17	/ERP/ORG_UNIT	0000000000000000000000000000000017	<input type="checkbox"/>

- Start BW modeling using t-code *RSA1*. Find the info-object */ERP/ORG_UNIT* under Modeling -> InfoObjects -> Financial Management & Controlling -> Cash & Liquidity Management -> Characteristics.
- Double click the info object. On the *Hierarchy* tab, choose the *Maintain Hierarchies* button.
- Create a new planning unit hierarchy and specify the name and description.
- Create new hierarchy node by using the button *Planning Unit*.
- Define a leaf planning unit named “Head Quarter” with key “1” for currency conversion. All the subsidiary planning units should exchange currency with the headquarter.
- Maintain the *Hierarchy Attributes*. Checking the attributes *Do Not Display Leaves for Inner-Nodes in the Query* and *Suppress ‘Unassigned’ Node*

Customizing Settings in the Backend Server

Check Planner and Reviewer of Planning Unit

Change View "Maintain Planning Unit Settings": Overview

New Entries

Dialog Structure

- Maintain Planning Unit Settings
 - Maintain Planning Unit Settings

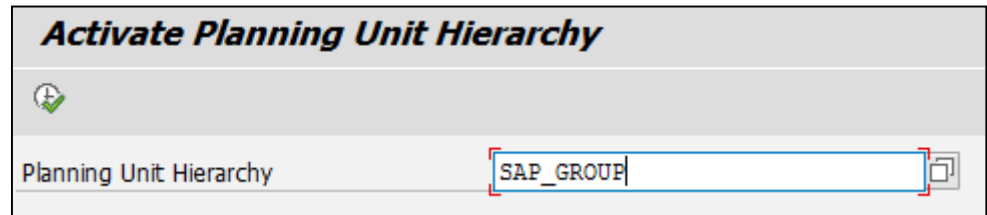
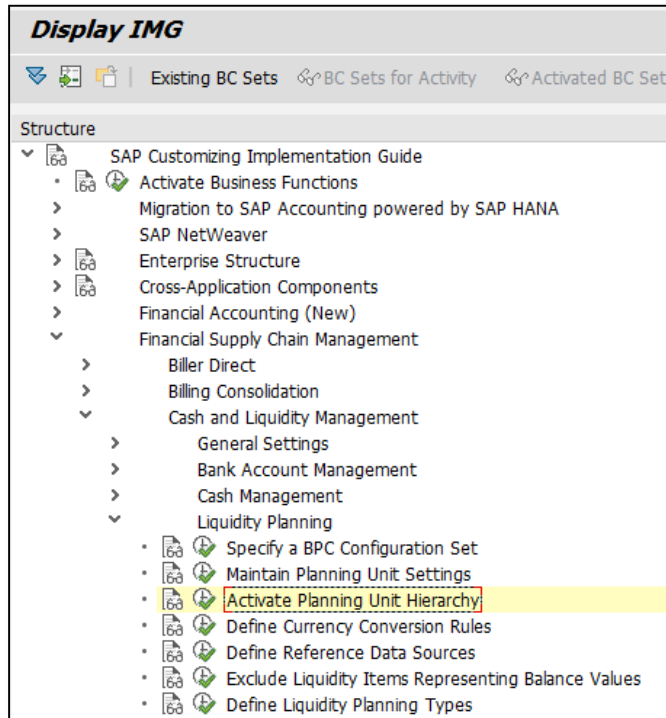
Planning Unit	Description	Agg. Curr.	Planner	Reviewer	CoCd
1	HeadQuarter	EUR	SATREVIEWER	ZHANGJOA	CM01
2	Americas	USD	SATPERFORMER	SATREVIEWER	
3	USA Company	USD	SATPERFORMER	SATREVIEWER	ZTF1
4	Canada Company	USD	ZHENGJIE	ZHENGJIE	CM11
5	Asia	USD	SATPERFORMER	SATREVIEWER	
6	China Company	CNY	User	CHENMO	
7	Japan company	JPY	CAICO	CAICO	0001
8	Beijing Subsidiary	CNY	CHENMO	CHENMO	CM03
9	Shanghai Subsidiary	CNY	CHULE	User	CM06
10	Europe	EUR	SATPERFORMER	SATREVIEWER	
11	Germany Company	EUR	SATPERFORMER	SATREVIEWER	CM04

Subsidiary

- After the Planning Unit Hierarchy has been defined in previous step, the Planner and Reviewer of Planning Unit need to be checked in customizing activities *Maintain Planning Unit Settings* to make sure that the Reviewer of the subsidiary Planning Unit is consistent with the Planner of the parent Planning Unit. Otherwise, the planning status (work status in BPC) can not modified as expected.

Customizing Settings in Backend Server

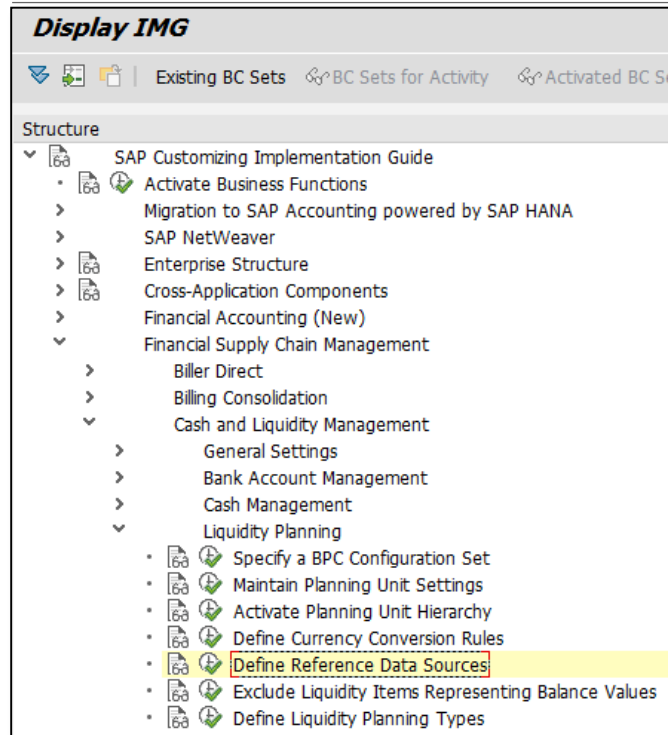
Activate Planning Unit Hierarchy



- Use this Customizing activity to activate a planning unit hierarchy which then will be the unique planning unit hierarchy in the whole Liquidity Planning area.
- If error message occurs during the activation, please follow the message description to correct the planning unit settings.

Customizing Settings in the Backend Server

Define Reference Data Sources



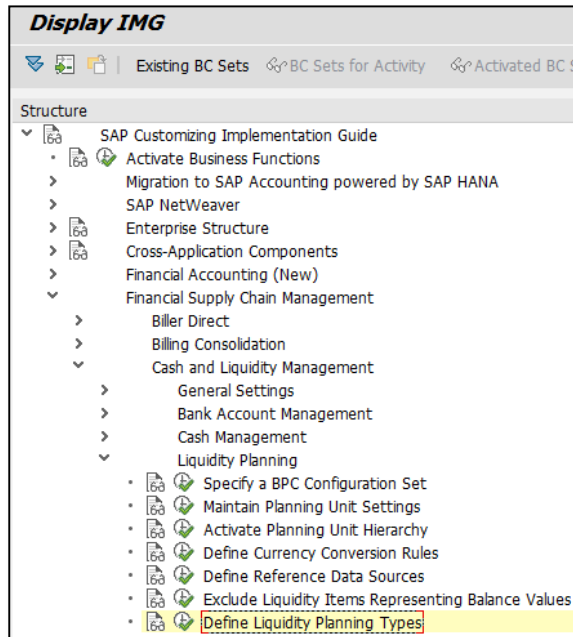
The screenshot shows the 'Change View "Define Reference Data Sources": Overview' table. The table has three columns: Key, Description, and Text. The data is as follows:

Key	Description	Text
001	Actual	Actual Amount
002	Liquidity Forecast	Liquidity Forecast Amount
003	Last Cycle Plan	Plan Amount of Previous Cycle
004	Plan Amount	Plan Amount

- Reference data sources are used to classify the source of suggested values.
- Key 001-004 are from SAP standard delivery.
- User can define their own reference data sources in this Customizing activity other than the standard ones when extension is needed.
- In addition to the IMG structure, you can also access the maintenance view *FCLM_V_SUGG* using transaction *SM30*.

Customizing Settings in the Backend Server

Define Planning Type



Display View "Define Planning Types": Overview

Plan Type	Description	Text
M_NOROLL	Non-Rolling Plan	Non-Rolling Plan
M_ROLLING	Monthly Rolling Plan	Monthly Rolling Plan

- Planning type is used to classify the different kinds of planning data.
- The master data of plan type *Monthly Rolling Plan* and *Non-Rolling Plan* are predefined by SAP. However, with SAP standard solution, users can only develop monthly rolling plans. For non-rolling plan, users would have to do the extension by themselves.
- Users can define their own planning types in this Customizing activity other than the standard ones when extension is needed
- In addition to the IMG structure, you can also access the maintenance view *FCLM_V_PLAN_TYPE* using transaction *SM30*.

Customizing Settings in the Backend Server

Template Liquidity Item Hierarchy

Liquidity Item	Liquidity Item Key	Description
LIQUIDITY PLAN DEMO	LIQUIDITY PLAN DEMO	
Opening Balance	LP_OPENBAL	Opening Balance
Affiliated companies	LP_ACOP	Affiliated companies
Receivables	LP_AROPEN	Receivables
Liabilities	LP_LBOPEN	Liabilities
Cash Pool Receivables	LP_ARCPOP	Cash Pool Receivables
Cash Pool Liabilities	LP_LBCPOP	Cash Pool Liabilities
Bank	LP_BANKOPEN	Bank
Deposit	LP_DPOP	Bank Deposit
Loans and overdrafts	LP_LOOP	Loans and overdrafts
Cash(Cheques, central bank...)	LP_CASHOP	Cash (Cheques, central bank, postal giro/bank balance)
Third parties	LP_3RDOP	Third parties
Receivables	LP_AR3RDOP	Receivables
Liabilities	LP_LB3RDOP	Liabilities
Cash to be allocated	LP_CF	Cash Flow from operating, investing and capital activities
Cash Flow from operating	LP_OPERATIVE	Cash Flow from operating activities
Operative Cash Inflow	LP_OCI	Operative Cash Inflow
Trade Receivables	LP_ARTRADE	Trade Receivables
Trade Receivables-AffiliatedCo	LP_ARTRAC	Trade receivables - Affiliated companies
Trade Receivables -IDES-D	LP_ARTRBSHD	Trade receivables -IDES-D
Trade receivables -3rd parties	LP_ARTR3RD	Trade receivables - Third parties
Other Cash Inflow	LP_OTHERCI	Other Cash Inflow
Exchange from another Currency	LP_EXF	Exchange from another Currency
Operative Cash Outflow	LP_OCO	Operative Cash Outflow
Trade payables	LP_APTRADE	Trade payables
Trade payables -Affiliated Co.	LP_APTRAC	Trade payables - Affiliated companies
Trade payables -IDES-D	LP_APTRBSHD	Trade payables -IDES-D
Trade payables - Third parties	LP_APTR3RD	Trade payables - Third parties
Other Cash Outflow	LP_OTHERCO	Other Cash Outflow
Exchange into another Currency	LP_EXI	Exchange into another Currency
Cash Flow from investing	LP_IC	Cashflow from investing activities
Investment in fixed assets	LP_FXAIC	Investment in fixed assets: Disposal (+) / Addition (-)
Investment in financial assets	LP_FCAIC	Investment in financial assets: Disposal (+) / Addition (-)
Other Investing Activities	LP_OIA	Other Investing Activities
Cash Flow from capital	LP_CFFA	Cash Flow from capital activities
Capital increase(+)/decrease(-)	LP_CP	Capital increase (+) / decrease (-)
Dividends received(+)/paid(-)	LP_DV	Dividends received (+) / paid (-)
Funding Allocation	LP_FA	Funding Allocation

Currently, the calculation logic of closing balance is based on the template liquidity item hierarchy as shown in the snapshot. If you would like to customize the liquidity item, liquidity item hierarchy and calculation logic, you'll need to re-develop necessary BI contents following the extensibility concept of BW-IP.

Customizing Settings in the Backend Server

Template Liquidity Item Hierarchy

▼ Funding Allocation	LP_FA	Funding Allocation
▼ Affiliated companies	LP_ACFA	Affiliated companies
Receivables:Increase(-)/De(+)	LP_ARFA	Receivables: Increase (+) / Decrease (-)
Liabilities:Increase/Decrease	LP_LBFA	Liabilities: Increase (-) / Decrease (+)
Cash Pool Receivables:I(-)	LP_ARCPFA	Cash Pool Receivables: Increase (+) / Decrease (-)
Cash Pool Liabilities:I(+)/D(-)	LP_LBCPFA	Cash Pool Liabilities: Increase (-) / Decrease (+)
▼ Bank	LP_BANKFA	Bank
Deposits:Increase(-)/Decrease +	LP_DEPOSITFA	Deposits: Increase (+) / Decrease (-)
Loan and Overdrafts: I/D	LP_LOANODFA	Loans and overdrafts: Increase (-) / Decrease (+)
Cash: Increase (-)/Decrease(+)	LP_CASHFA	Cash: Increase (+) / Decrease (-)
▼ Third parties	LP_3RDFA	Third parties
Receivables: Increase/Decrease	LP_AR3RDFA	Receivables: Increase (+) / Decrease (-)
Liabilities:Increase/Decrease	LP_LB3RDFA	Liabilities: Increase (-) / Decrease (+)
▼ Closing Balance	LP_CLBAL	Closing Balance
▼ Affiliated companies	LP_ACCL	Affiliated companies
Receivables	LP_ARCL	Receivables
Liabilities	LP_LBCL	Liabilities
Cash Pool Receivables	LP_ARCPCL	Cash Pool Receivables
Cash Pool Liabilities	LP_LBCPCL	Cash Pool Liabilities
▼ Bank	LP_BANKCLOSING	Bank
Deposits	LP_DPCL	Deposits
Loans and overdrafts	LP_LOCL	Loans and overdrafts
Cash(Cheques, central bank...)	LP_CASHCL	Cash (Cheques, central bank, postal giro/bank balance)
▼ Third parties	LP_3RDCL	Third parties
Receivables	LP_AR3RDCL	Receivables
Liabilities	LP_LB3RDCL	Liabilities

Customizing Settings in the Backend Server

Key Points for Liquidity Item Hierarchy and Liquidity Items

- Liquidity Item “LP_CASHOP” is used to identify the opening balance for cash, which is from Cash Position.
- Liquidity Item “LP_DPOP” is used to identify the opening balance for deposits, such as fixed-term deposits, deposits at notice, which are integrated from Treasury and Risk Management (TRM).
- Calculation logic of closing balance:
 - LP_AROPEN + LP_ARFA = LP_ARCL
 - LP_LBOPEN - LP_LBFA = LP_LBCL
 - LP_ARCPOP + LP_ARCPFA = LP_ARCPCL
 - LP_LBCPOP - LP_LBCPFA = LP_LBCPCL
 - LP_DPOP + LP_DEPOSITFA = LP_DPCL
 - LP_LOOP - LP_LOANODFA = LP_LOCL
 - LP_CASHOP + LP_CASHFA = LP_CASHCL
 - LP_AR3RDDOP + LP_AR3RDFA = LP_AR3RDCL
 - LP_LB3RDOP - LP_LB3RDFA = LP_LB3RDCL
- Liquidity Item “LP_EXI” represents cash planned to be converted to another currency in currency conversion.
- Liquidity Item “LP_EXF” represents cash planned to be converted from another currency in currency conversion.

Customizing Settings in the Backend Server

Maintain Liquidity Item

Display IMG

Existing BC Sets BC Sets for Activity Activated BC Sets

Structure

- ▼ SAP Customizing Implementation Guide
 - Activate Business Functions
 - > Migration from SAP ERP to SAP Accounting powered by SAP HANA
 - > SAP NetWeaver
 - > Enterprise Structure
 - > Cross-Application Components
 - > Financial Accounting (New)
 - ▼ Financial Supply Chain Management
 - > Biller Direct
 - > Billing Consolidation
 - ▼ Cash and Liquidity Management
 - > General Settings
 - > Bank Account Management
 - ▼ Cash Management
 - > Planning Levels and Planning Groups
 - ▼ Liquidity Items
 - **Edit Liquidity Items**
 - Define Liquidity Item Hierarchies
 - > Derivation Rules for Liquidity Items

Change View "Liquidity Items": Overview

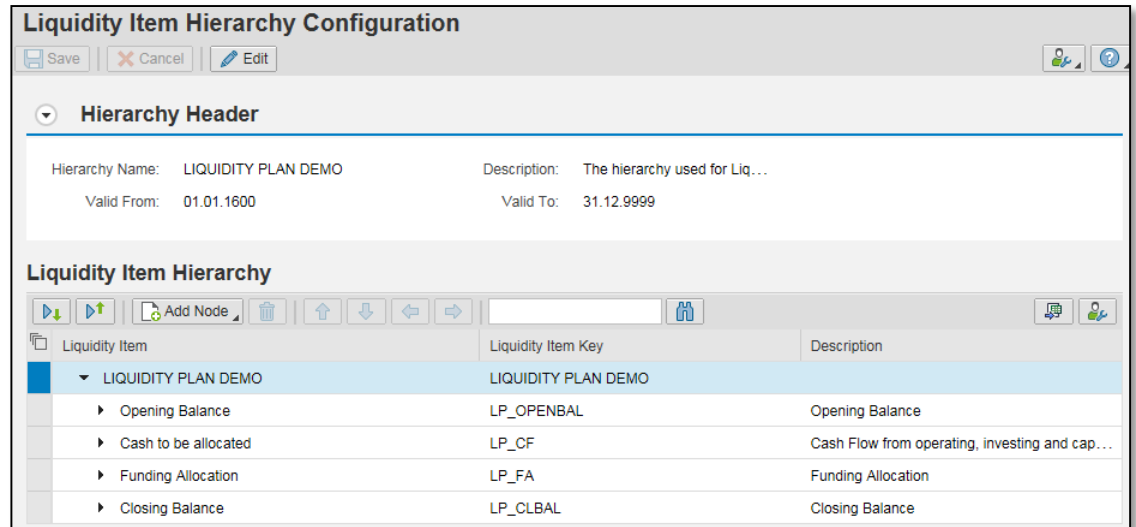
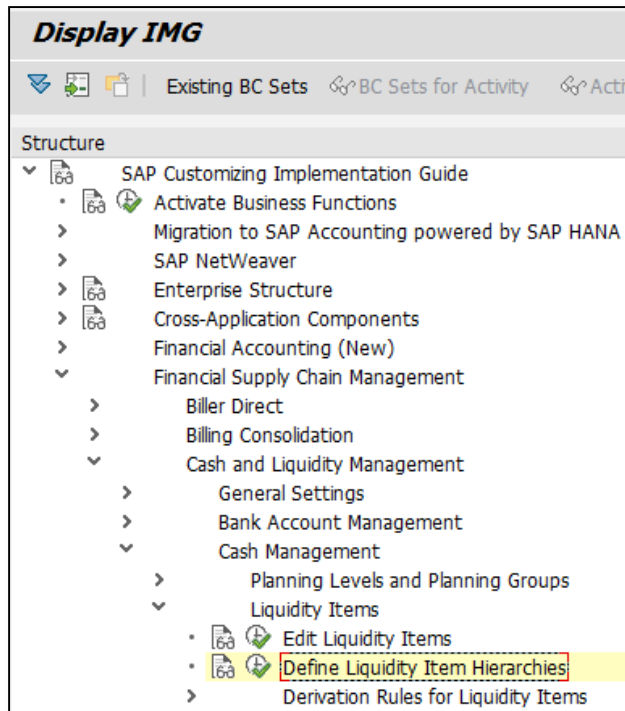
New Entries

Liquidity Item	Cash Flow ...	Name	Description
LP_ACFA	IN	Affiliated companies	Affiliated companies
LP_ACOP	IN	Affiliated companies	Affiliated companies
LP_APEXT	OUT	External Payables	External Payables
LP_APINT	OUT	Internal Payables	Internal Payables
LP_APTR3RD	OUT	Trade payables - Third parties	Trade payables - Third parties
LP_APTRAC	OUT	Trade payables -Affiliated Co.	Trade payables - Affiliated companies
LP_APTRADE	OUT	Trade payables	Trade payables
LP_APTRBSHD	OUT	Trade payables -IDES-D	Trade payables -IDES-D
LP_AR3RDCL	IN	Receivables	Receivables
LP_AR3RDFA	IO	Receivables: Increase/Decrease	Receivables: Increase (+) / Decrease (-)
LP_AR3RDOP	IN	Receivables	Receivables
LP_ARCL	IN	Receivables	Receivables
LP_ARCPCL	IN	Cash Pool Receivables	Cash Pool Receivables
LP_ARCPFA	IO	Cash Pool Receivables:I(-)	Cash Pool Receivables: Increase (+) / Decrease (-)
LP_ARCPOP	IN	Cash Pool Receivables	Cash Pool Receivables
LP_AREXT	IN	External Receivables	External Receivables
LP_ARFA	IO	Receivables:Increase(-)/De(+)	Receivables: Increase (+) / Decrease (-)
LP_ARINT	IN	Internal Receivables	Internal Receivables

- Maintain the liquidity item master data

Customizing Settings in the Backend Server

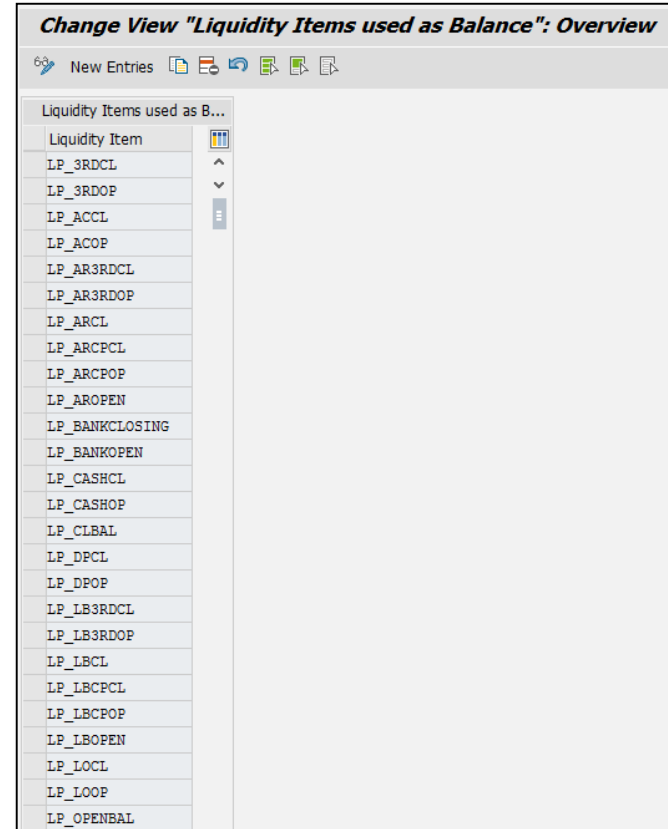
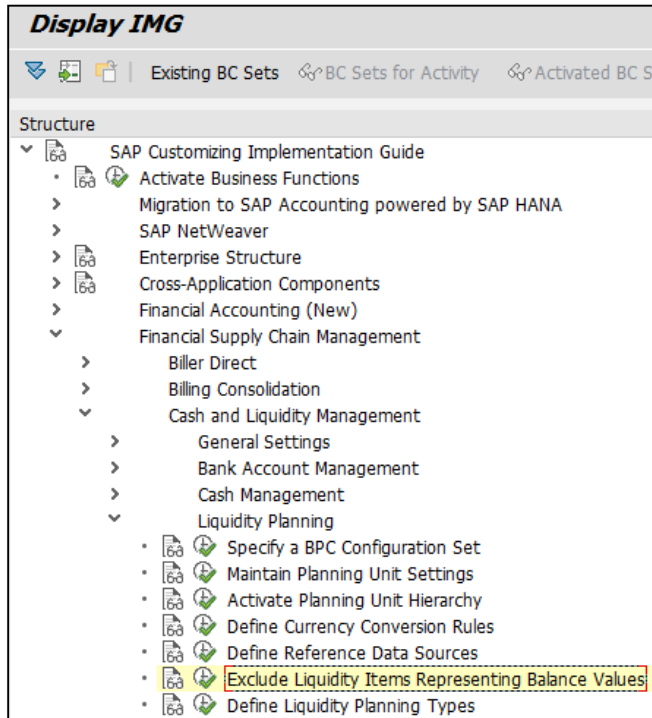
Maintain Liquidity Item Hierarchy



- Maintain as the template liquidity hierarchy
- In addition to the IMG structure, you can also access this configuration using transaction *M_LQH*

Customizing Settings in the Backend Server

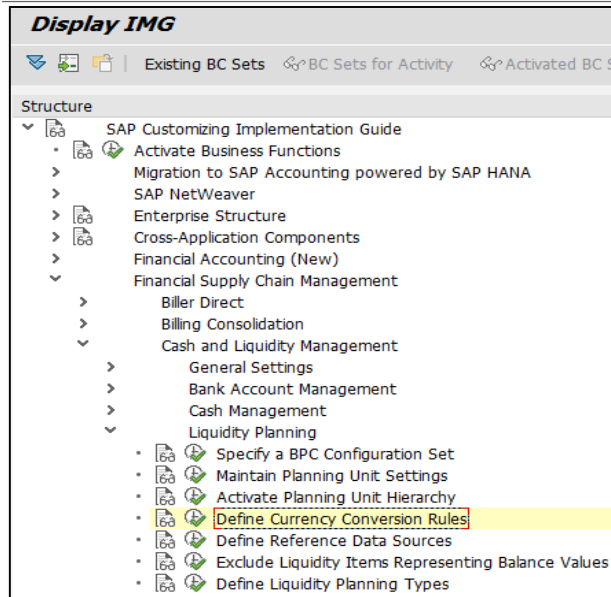
Define Liquidity Items Used as Balance



- Balance-related liquidity items differentiate themselves from other flow-related liquidity items
- In addition to the IMG structure, you can also access the maintenance view *FCLM_LP_EX_BAL* using transaction *SM30*

Customizing Settings in the Backend Server

Define Currency Conversion Rules



Change View "Currency Conversion Rule": Overview

New Entries

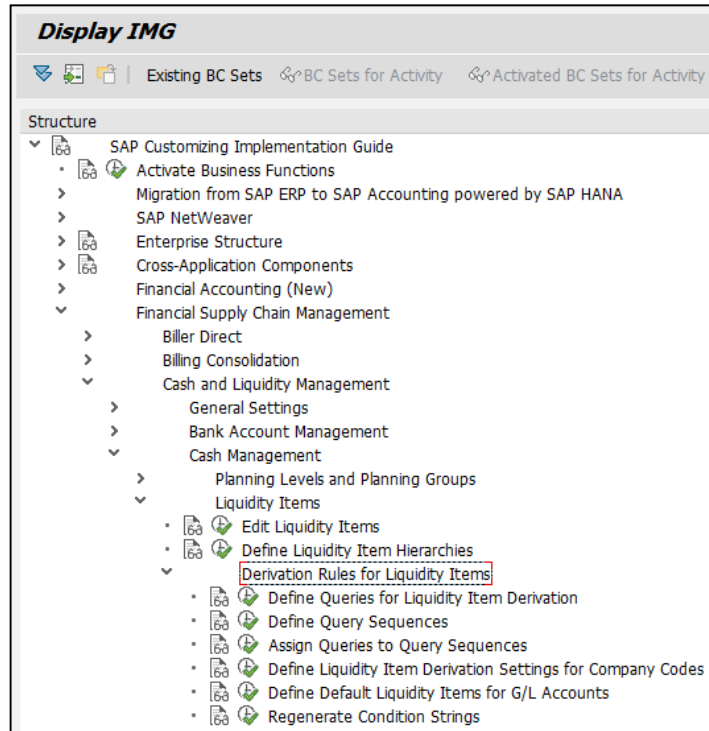
Currency Conversion Rule

Outflow Liquidity I...	Inflow Liquidity Item	Source Planning ...	Target Planning ...	Src. Curr.	Tar. Curr.
LP_EXI	LP_EXF	3	1	CNY	EUR
LP_EXI	LP_EXF	3	1	EUR	CNY
LP_EXI	LP_EXF	3	1	USD	CNY

- Define the rules for currency conversion in this Customizing activity
- You must use "1" as the target planning unit, otherwise currency conversion will not work from UI side. Currently, all the subsidiary planning units can only make currency exchanges with the headquarter
- Source Currency should be one of the planning currencies defined for the Source Planning Unit. Target Currency should be one of the planning currencies defined for the Target Planning Unit. You can configure the planning currencies for planning units in Customizing activity *Maintain Planning Unit Settings*.

Customizing Settings in the Backend Server

Maintain Derivation Rules for Liquidity Item



- You can use the Customizing activities under *Derivation Rules for Liquidity Items* to define how liquidity items should be derived for forecasted cash flows and actual cash flows.

Customizing Settings in the Backend Server

Activate ICF Service

Maintain Services

Filter for Calling ICF Hierarchy

Hierarchy Type	SERVICE
Virtual Host	
Service Path	/sap/bc/ui5_ui5/sap/bpcwebclient
Service Name	
Reference Service	
Description	
Language	EN English

Define Services

Create Host/Service

Filter Details

Virtual Host		Service Path	/sap/bc/ui5_ui5/sap/bpcwebclient
ServiceName			
Description			
Lang.	EN English	Ref.Service:	

Apply Reset Fine-Tune

Virtuelle Hosts / Services

	Documentation
default_host	VIRTUAL DEFAULT HOST
sap	SAP_NAMESPACE; SAP IS OBLIGED NOT T...
bc	BASIS_TREE (BASIS FUNCTIONS)
ui5_ui5	SAPUI5 Application Handler SAPUI5 Applic...
sap	sap Namespace for SAPUI5 Applications
bpcweb	SAPUI5 Web Client

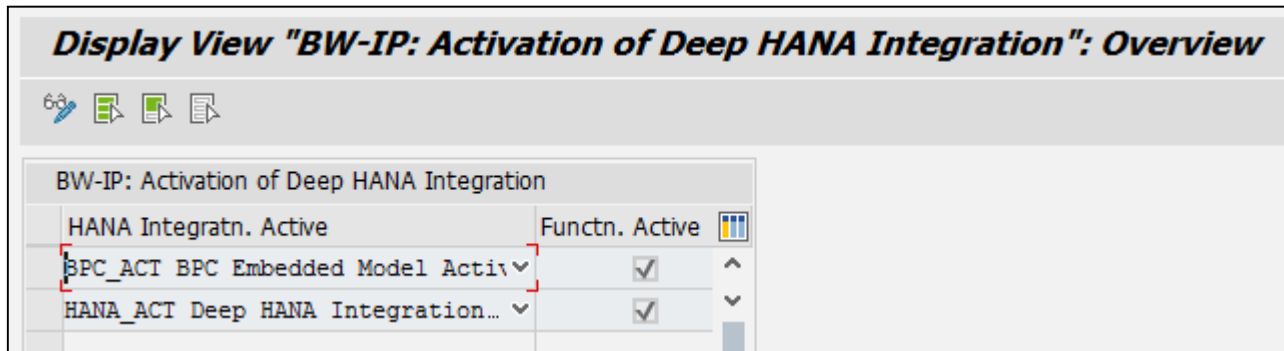
Context Menu: New Sub-Element, Display Service, Delete Service, Rename Service, **Activate Service**

ICF Service Description	Service Path
BPC Universal Web Client	/sap/bc/ui5_ui5/sap/bpcwebclient
Client Service (Persistence, User Preference, etc.)	/sap/bw/cs
BW: Get Response	/sap/bw/ina/GetResponse
BW InA	/sap/bw/ina
MIME in Web Reporting	/sap/bw/Mime
Enterprise Search InA Adapter	/sap/es/ina

- Activate the ICF services listed in the table
1. Run transaction *SICF*.
 2. Enter the service path and choose *Execute*.
 3. Right click on the service and choose *Activate Service*.

Customizing Settings in the Backend Server

Activate BPC Embedded Model and Deep HANA Integration



- Activate BPC Embedded Model (BPC_ACT) and Deep HANA Integration (HANA_ACT) in maintenance view *RSPLS_HDB_ACT*
- You can use transaction SM30 to access the maintenance view

Customizing Settings in the Backend Server

Assign Backend Role to Users

The screenshots show the following steps:

- Role Maintenance:** Shows the role 'SAP_FIN_DEVLIQUIDITYPLAN_APP' with the description 'Develop Liquidity Plan'.
- Change Roles:** Shows the role 'ZSAP_FIN_DEVLIQUIDITYPLAN_APP' with the description 'Develop Liquidity Plan'.
- Change Role: Authorizations:** Shows the role 'ZSAP_FIN_DEVLIQUIDITYPLAN_APP' with the description 'Develop Liquidity Plan' and the authorization 'Manually Business Warehouse'.
- Change Roles (User Assignments):** Shows the 'User Assignments' table with columns 'User ID', 'User Name', 'From', 'to', and 'I...'. A 'Copy all' button is also visible.

- The following backend roles delivered as examples contain authorizations to use and manage BPC (for Develop Liquidity Plans), and access Design Studio app.

Develop Liquidity Plans: SAP_FIN_DEVLIQUIDITYPLAN_APP

Liquidity Plans: SAP_FIN_ANALIQUIDITYPLAN_APP

- You can copy them as Customizing (Z*) roles, authorization file should be generated for the Customizing roles, and then the Customizing roles should be assigned to users in transaction PFCG.

Customizing Settings in the Backend Server

Customize BPF Template

1. Start BPC Workcenter with the following URL (replace the blue part with your own system parameters of backend system):
[http\(s\)://<host>:<port>/sap/bc/ui5_ui5/sap/bpcwebclient/index.html?sap-client=<client>&sap-language=<language>#cm=0FCLM_LP_ENV;connType=pak](http(s)://<host>:<port>/sap/bc/ui5_ui5/sap/bpcwebclient/index.html?sap-client=<client>&sap-language=<language>#cm=0FCLM_LP_ENV;connType=pak)
2. Go to tab **ADMINISTRATION** and choose **Process Templates**. Select the BPF template **FCLM_LP_PROCESS**, and then choose the **New Version** button.
3. Choose a valid user for field **Process Monitors** on the **Process Settings** tab.
4. On the **Activities** tab, under the section **Driving Dimension**, select **All Members for the Selected Hierarchy** for the **Members** field.
5. Select the planning unit hierarchy you have activated in Customizing activity **Activate Planning Unit Hierarchy** and then choose **OK**.
6. Choose the **Save** button and then the **Back** button.
7. Select the template.
8. Choose the **Validate** button and then the **Deploy** button.

Customizing Settings in the Backend Server

Customize Work Status Configuration

The image consists of three overlapping screenshots of the SAP Business Planning and Consolidation (BPC) Workcenter interface, illustrating the steps to customize work status configuration.

- Screenshot 1:** Shows the main navigation bar with tabs: LIBRARY, MY ACTIVITIES, CONSOLIDATION, ADMINISTRATION, and SYSTEM REPORTS. The ADMINISTRATION tab is selected and highlighted with a yellow circle containing the number 1.
- Screenshot 2:** Shows the ADMINISTRATION menu on the left with 'Work Status Configuration' selected and highlighted with a yellow circle containing the number 2. The main content area shows the 'Work Status' configuration page for the model 'FCLM_LP_MODEL', with the model name highlighted by a red box.
- Screenshot 3:** Shows the 'Work Status Setting for Model: FCLM_LP_MODEL' page. The 'Enable Work Status' checkbox is checked. The 'Work State List' table is visible, and the 'Locking Dimensions' section shows the 'Hierarchy' dropdown set to 'SAP_GROUP - SAP_GROUP', highlighted with a red box. A yellow circle containing the number 3 is in the top right corner.

1. Start BPC Workcenter with the following URL (replace the blue part with your own system parameters of backend system):
`http(s)://<host>:<port>/sap/bc/ui5_ui5/sap/bpcwebclient/index.html?sap-client=<client>&sap-language=<language>#cm=0FCLM_LP_ENV;connType=pak`
2. Go to tab *ADMINISTRATION* and then choose *Work Status Configuration*.
3. Select the model *FCLM_LP_MODEL*.
4. In the section *Locking Dimensions*, specify the planning unit hierarchy you have activated in the Customizing activity *Activate Planning Unit Hierarchy*.
5. Select the *Enable Work Status* checkbox and save the settings.

Customizing Settings in the Backend Server

Configure the Navigation from BPC to Design Studio Reports

Role	Instance	Description	Link Text	Application Type	URL	Application Alias
FCLM_LP	FCLM_LP_DS_NAVI	Launch Develop Liquidity Plans	Launch Develop Liquidity Plans - Input	URL	<code>http(s)://<host>:<port>/sap/bc/ui5_ui5/ui2/ushell/shells/abap/FioriLaunchpad.html?sap-client=<client>&sap-language=<language>#BankAccount-inputPlan</code>	DS_INPUT
FCLM_LP	FCLM_LP_DS_NAVI	Launch Develop Liquidity Plans	Launch Develop Liquidity Plans - Review	URL	<code>http(s)://<host>:<port>/sap/bc/ui5_ui5/ui2/ushell/shells/abap/FioriLaunchpad.html?sap-client=<client>&sap-language=<language>#BankAccount-reviewPlan</code>	DS_REVIEW

- Create the Launchpads navigating to Design Studio reports as example table above using transaction LPD_CUST
- Detailed steps can be found in the next slide
- Note: replace the blue part with your own system parameters of frontend system

Customizing Settings in the Backend Server

Configure the Navigation from BPC to Design Studio Reports

1 Overview of Launchpads

Field	Value
Role	FCLM_LP
Instance	FCLM_LP_DS_NAVI
Description	Launch Develop Liquidity Plans
Language	EN

2 Change Launchpad - Role: FCLM_LP Instance: FCLM_LP_DS_NAVI (EN)

Field	Value
Link Text	Launch Develop Liquidity Plans - Input
Application Type	URL
URL	https://ldcu93.wdf.sap.corp:44311/sap/bc/uis/u2/us https://ldcu93.wdf.sap.corp:44311/sap/bc/uis/u2/ushell/shells/abap/FioriLaunchpad.html?sap-client=012&sap-language=EN#BankAccount-inputPlan
Application Alias	DS_INPUT

1. Call up transaction LPD_CUST.
2. Click the *New Launchpad* button, and then specify the *Role*, *Instance* and *Description* in the dialog box as the example in the table.
3. Click the *New Application* button and then specify the *Link Text*, *Application Type*, *URL*, *Application Alias* as the example in the table.
4. Save the settings.

Customizing Settings in the Backend Server

Configure the Navigation from BPC to Design Studio Reports

Register Semantic Object

Role Instance

FCLM_LP	FCLM_LP_DS_NAVI
---------	-----------------

Register Semantic Object

Register

Role FCLM_LP

Instance FCLM_LP_DS_NAVI

Register Semantic Object

Role Instance

FCLM_LP	FCLM_LP_DS_NAVI
---------	-----------------

Maintain Semantic Object Links

Role	Instance	Alias	For Fiori
FCLM_LP	FCLM_LP_DS_NAVI	DS_INPUT	X
FCLM_LP	FCLM_LP_DS_NAVI	DS_REVIEW	X

Add Semantic Object Link

Add

Role FCLM_LP

Instance FCLM_LP_DS_NAVI

Alias DS_INPUT

For Fiori

- Create the navigation parameter
- 1. Call up transaction *SE38* and run program *RSBPCB_MAINTAIN_SEM_OBJ*.

- 2. Register the launchpad role and the instance as shown in the table below as a semantic object. Save the settings.

Role	Instance
FCLM_LP	FCLM_LP_DS_NAVI

- 3. Select the newly-created semantic object and click the *Edit* button to maintain the semantic object links. Add the two Application Alias in the table below to the semantic object. Select the 'For Fiori' checkbox. Save the settings.

Role	Instance	Alias	For Fiori
FCLM_LP	FCLM_LP_DS_NAVI	DS_INPUT	X
FCLM_LP	FCLM_LP_DS_NAVI	DS_REVIEW	X

Customizing Settings in the Backend Server

Configure the Navigation from BPC to Design Studio Reports

Maintain Semantic Object Links 1

Role	Instance	Alias	For Fiori
FCLM_LP	FCLM_LP_DS_NAVI	DS_INPUT	X
FCLM_LP	FCLM_LP_DS_NAVI	DS_REVIEW	X

Maintain Link Parameters 3

Role: FCLM_LP

Instance: FCLM_LP_DS_NAVI

Alias: DS_INPUT

Parameter Name: X_LQHIER

Reference Type: INFOBJECT Info Object

Reference Value: /ERP/LQH_NAME Liquidity Item Hierarchy Name

Parameter Description: Liquidity Item Hierarchy

Maintain Link Parameters 2

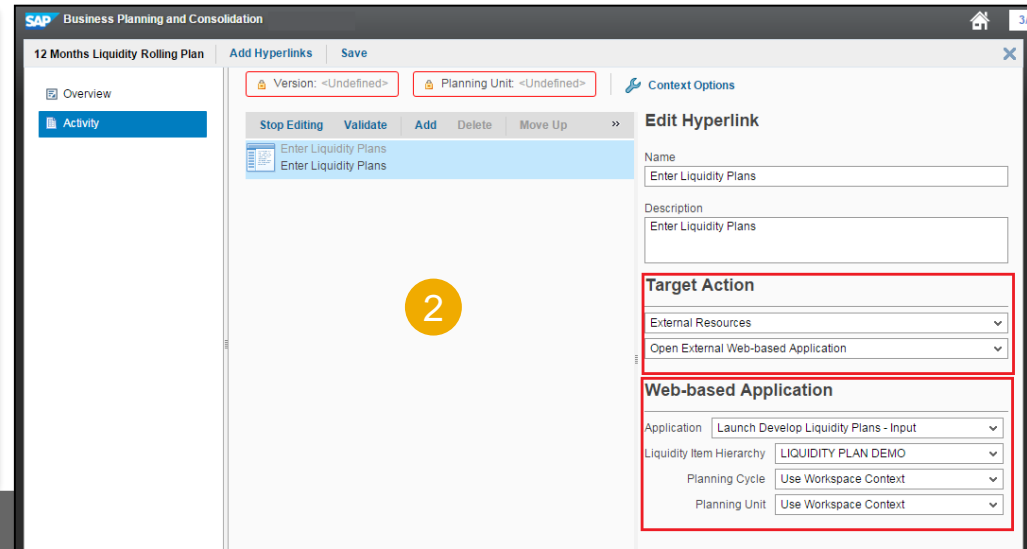
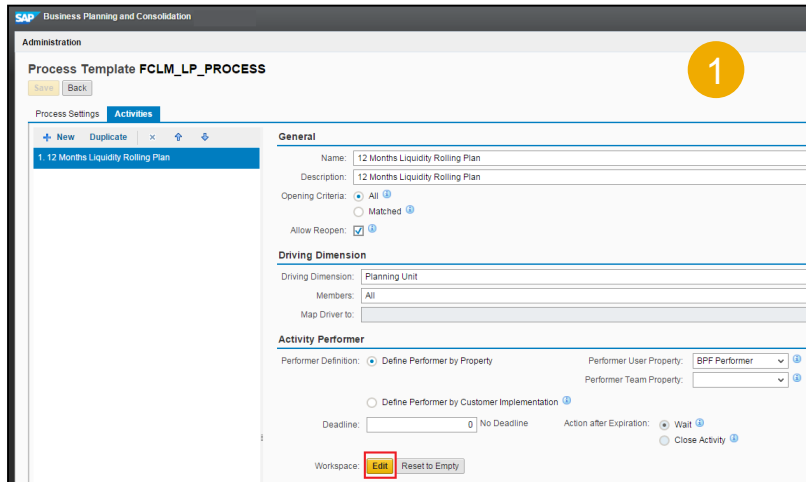
Sequence I	Role	Instance	Alias	Parameter	Reference	Reference Value	Parameter Description
1	FCLM_LP	FCLM_LP_DS_NAVI	DS_INPUT	X_LQHIER	INFOBJECT	/ERP/LQH_NAME	Liquidity Item Hierarchy
2	FCLM_LP	FCLM_LP_DS_NAVI	DS_INPUT	X_VERSION	INFOBJECT	/ERP/VMONTH	Planning Cycle
3	FCLM_LP	FCLM_LP_DS_NAVI	DS_INPUT	X_ORG_UNIT	INFOBJECT	/ERP/ORG_UNIT	Planning Unit

- Create the navigation parameter
- 4. Select the newly-created semantic object link and choose the *Edit* button to maintain the same link parameters as below for both semantic object links. Save the settings.

Parameter Name	Reference	Reference Value	Parameter Description
X_LQHIER	INFOBJECT	/ERP/LQH_NAME	Liquidity Item Hierarchy
X_VERSION	INFOBJECT	/ERP/VMONTH	Planning Cycle
X_ORG_UNIT	INFOBJECT	/ERP/ORG_UNIT	Planning Unit

Customizing Settings in the Backend Server

Configure the Navigation from BPC to Design Studio Reports



- Modify activity configuration in the BPF template

1. Start BPC Workcenter with URL (replace the blue part with your own system parameters of backend system):
`http(s)://<host>:<port>/sap/bc/ui5_ui5/sap/bpcwebclient/index.html?sap-client=<client>&sap-language=<language>#cm=0FCLM_LP_ENV;connType=pak.`
2. Go to tab *ADMINISTRATION* and then choose *Process Templates*.
3. Select the BPF template *FCLM_LP_PROCESS*, and then the *New Version* button.
4. On the *Activities* panel, under the *Activity Performer* section, choose *Edit* for the *Workspace* field.
5. In the section *Target Action*, choose *External Resources*, and *Open External Web-based Application*.
6. In the *Web-based Application* section, select the *Application* for launching the report of entering liquidity plans ('Launch Develop Liquidity Plans – Input' in example table on slide 28)
7. For liquidity item hierarchy parameter, select the member you maintained in Customizing activity *Define Liquidity Item Hierarchies* which refers to the template liquidity item hierarchy. Template liquidity item hierarchy can be found in 2145500. For Planning Cycle and Planning Unit parameter, select *Use Workspace Context*.

Customizing Settings in the Backend Server

Configure the Navigation from BPC to Design Studio Reports

- Modify activity configuration in the BPF template
- 8. Back to the *Activities* tab, choose *Edit* in the *Workspace* field under the *Activity Reviewer* section.
- 9. In the *Target Action* section, select *External Resources*, and *Open External Web-based Application*.
- 10. In the *Web-based Application* section, select the Application for launching the report of reviewing liquidity plans ('Launch Develop Liquidity Plans – Review' in example table on slide 28)
- 11. For the Liquidity Item Hierarchy parameter, select the member you maintained in Customizing activity Define Liquidity Item Hierarchies which refers to the template liquidity item hierarchy. For Planning Cycle and Planning Unit parameter, choose Use Workspace Context.
- 12. Save, validate and then deploy the template.

Agenda

1 Customizing of Develop Liquidity Plans and Liquidity Plans

Customizing Settings in the Backend Server

Customizing Settings in the Frontend Server

2 Customizing of Liquidity Forecast

3 Customizing of Liquidity Forecast Details

2 Customizing of Actual Cash Flow

3 Customizing of Cash Flow – Detailed Analysis

Customizing Settings in the Frontend Server

Activate ICF Service

Maintain Services

Filter for Calling ICF Hierarchy

Hierarchy Type	SERVICE
Virtual Host	
Service Path	/sap/bc/ui5_ui5/sap/fin_ds_analyze
Service Name	
Reference Service	
Description	
Language	EN English

Define Services

Create Host/Service External Alases System Monitor Active

Filter Details

Virtual Host		Service Path	/sap/bc/ui5_ui5/sap/fin_ds_analyze
ServiceName			
Description			
Lang.	EN English	Ref.Service:	

Apply Reset Fine-Tune

Virtuelle Hosts / Services Documentation Referenz Serv

- default_host
 - sap
 - bc
 - ui5_ui5
 - sap
 - fin_ds_analyze

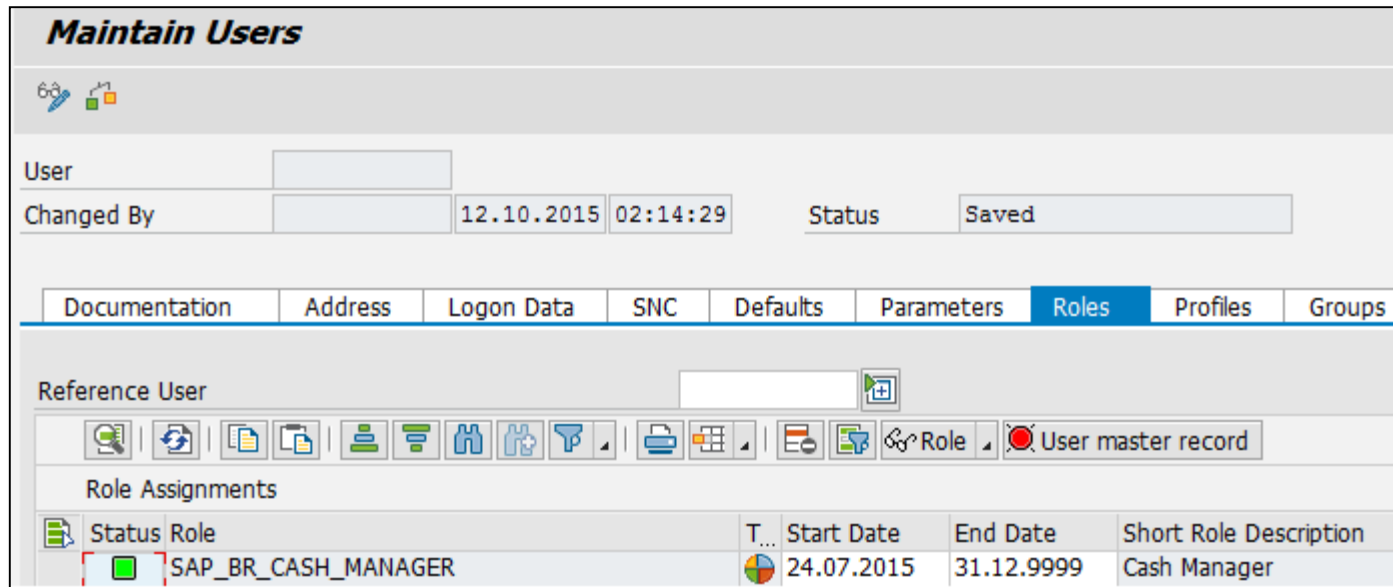
Activate Service

ICF Service Description	Service Path
Analyze Design Studio Query	/sap/bc/ui5_ui5/sap/fin_ds_analyze
Unified Shell	/sap/bc/ui5_ui5/ui2/ushell

- Activate the ICF services listed in the table using t-code SICF
- 1. Go to transaction *SICF*, enter the service path and choose *Execute*.
- 2. Right click the service and choose *Activate Service*.

Customizing Settings in the Frontend Server

Enable App to be Accessed in Fiori Launchpad



The screenshot shows the 'Maintain Users' transaction in SAP. The 'Roles' tab is selected, displaying a table of role assignments for a user. The table has columns for Status, Role, Start Date, End Date, and Short Role Description. One role is assigned: SAP_BR_CASH_MANAGER, which is active (green square) and has a start date of 24.07.2015 and an end date of 31.12.9999. The role description is 'Cash Manager'.

Status	Role	T...	Start Date	End Date	Short Role Description
■	SAP_BR_CASH_MANAGER		24.07.2015	31.12.9999	Cash Manager

Assign Frontend Role to Users

- SAP delivers a front-end business role SAP_BR_CASH_MANAGER bound with Fiori Catalog and Group, which serves as an example. You can refer to this example and group cash-management-related Fiori tiles and target mappings from technical catalog into Catalog and Group. After the administrator assign the role to the users via transaction like PFCG or SU01, the end users could have those tiles in their Fiori Launchpad
- You can directly assign the example role to the user or set up your own role.

Customizing Settings in Frontend Server

Enable App to be Accessed in Fiori Launchpad

For app Develop Liquidity Plans, additional configurations should be conducted to enable the tile navigation to BPC.

The following three tiles are delivered along with the business role SAP_BR_CASH_MANAGER.

- Start New Planning Cycle (binding target mapping BankAccount-createCycle)
- Enter Liquidity Plans (binding target mapping BankAccount-inbox)
- Review Liquidity Plans (binding target mapping BankAccount-inbox)

However, the corresponding target mappings for the three tiles are not delivered and need to be configured in the Fiori Launchpad Designer by customers. If the corresponding target mappings are not configured, the tiles cannot be found on the Fiori Launchpad. Before creating the target mappings, two Launchpads need to be created by transaction 'LPD_CUST' for launching BPC. Detailed configuration steps can be found in following slides.

Configuration of Launchpads: (replace the blue part in URL with your own system parameters of backend system)

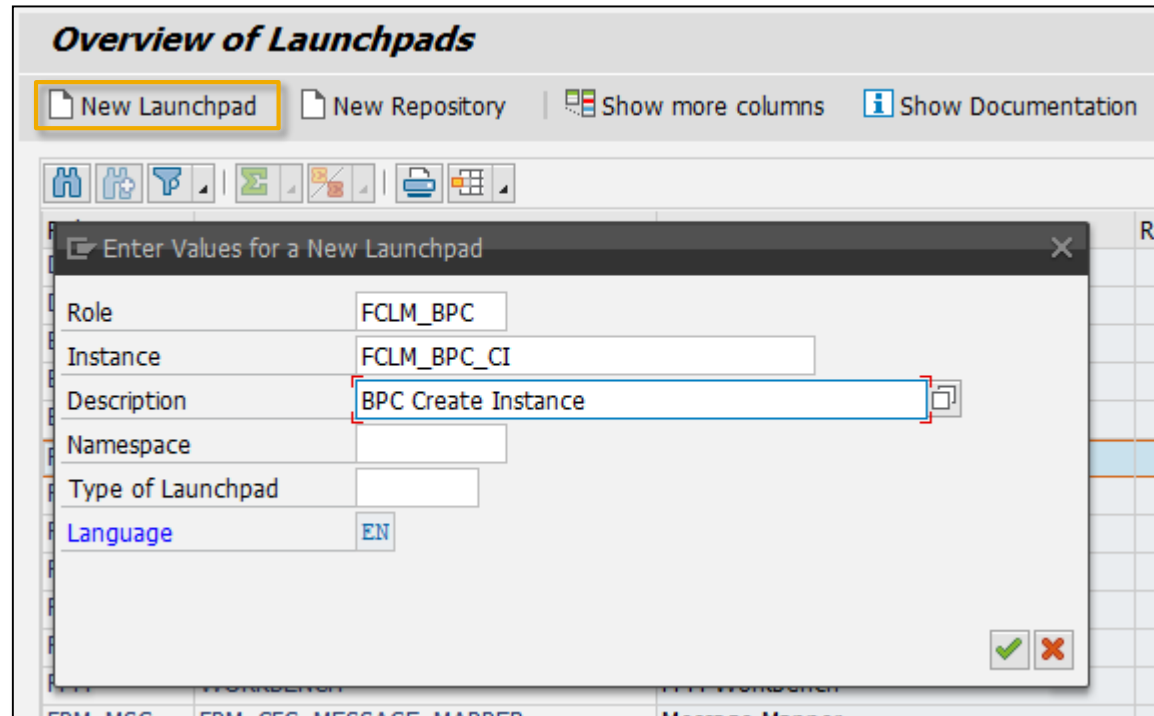
Role	Instance	Application Alias	Application Type	URL
FCLM_BPC	FCLM_BPC_CI	BPC_CI	URL	<code>http(s)://<host>:<port>/sap/bc/ui5_ui5/sap/bpcwebclient/index.html?sap-client= <client>&sap-language=<language>#cm=0FCLM_LP_ENV;connType=pak;VIEW_ID=admin-composite-container/admin-bpf-process_instances</code>
FCLM_BPC	FCLM_BPC_INBOX	BPC_INBOX	URL	<code>http(s)://<host>:<port>/sap/bc/ui5_ui5/sap/bpcwebclient/index.html?sap-client= <client>&sap-language=<language>#cm=0FCLM_LP_ENV;connType=pak;</code>

Configuration of Target Mappings:

Semantic Object	Action	Source of Navigation Target	Launchpad Role	Launchpad Instance	Application Alias	Desktop
BankAccount	createCycle	Other SAP Fiori App	FCLM_BPC	FCLM_BPC_CI	BPC_CI	Yes
BankAccount	inbox	Other SAP Fiori App	FCLM_BPC	FCLM_BPC_INBOX	BPC_INBOX	Yes

Customizing Settings in the Frontend Server

Enable App to be Accessed in Fiori Launchpad



Create Launchpads

- Go to transaction *LPD_CUST*.
- Choose the *New Launchpad* button, and then specify the *Role* and *Instance* in the dialog box as shown in the previous slide (see table Configuration of Launchpads). These two fields will be used when creating the target mapping. The Description can be maintained up to customer.

Customizing Settings in Frontend Server

Enable App to be Accessed in Fiori Launchpad

The screenshot shows the SAP Fiori Launchpad configuration interface for a new application. The title bar reads "Change Launchpad - Role: FCLM_BPC Instance: FCLM_BPC_CI (EN)". The interface is divided into several sections:

- Navigation:** Includes buttons for "New Folder", "New Application" (highlighted with a yellow box), "Add Separator", "Delete", "Copy from Other Launchpad", "Link to a Repository Application", and "Search".
- Customer Launchpad:** A tree view showing the hierarchy: "Customer Launchpad" > "BPC Create Instance" > "Create BPC instance" (highlighted with a yellow box).
- Table:** A table with columns "Appl Descr" and "S.". The row for "Create BPC instance" has "Folder" in the "Appl Descr" column and "URL" in the "S." column.
- Link Details:** A form with fields for "Link Text" (containing "Create BPC instance" and highlighted with a yellow box) and "Description".
- Application Type:** A dropdown menu set to "URL" (highlighted with a yellow box).
- Application Parameter:** A text area containing the URL: "https://ldciq4.wdf.sap.corp:44322/sap/bc/ui5_ui5/sap/bpcwebclient/index.html?sap-client=910&sap-language=EN#cm=0FCLM_LP_ENV;connType=pak;VIEW_ID=admin-composite-container/admin-bpf-process_instances" (highlighted with a yellow box).
- System:** A section for "System Alias" with an empty input field.
- Advanced Parameters (Optional):** A section with "Application - Deactivation by User" and "Application Cannot be Removed from Launchpad" (checkbox).
- Application-Related Parameters:** A section with "Application Alias" set to "BPC_CI" (highlighted with a yellow box), "Target App. Parameters", "Suspend/Resume", "Proxy Class", "Additional Information", and "FPM Event ID".
- Portal Parameters:** A section with "Navigation Mode" (EXT_HEAD Headerle...), "Window Features", "History Mode" (1 Navigation Entry can Occur Once in ...), and "Parameter Forwarding" (G Get Parameters).

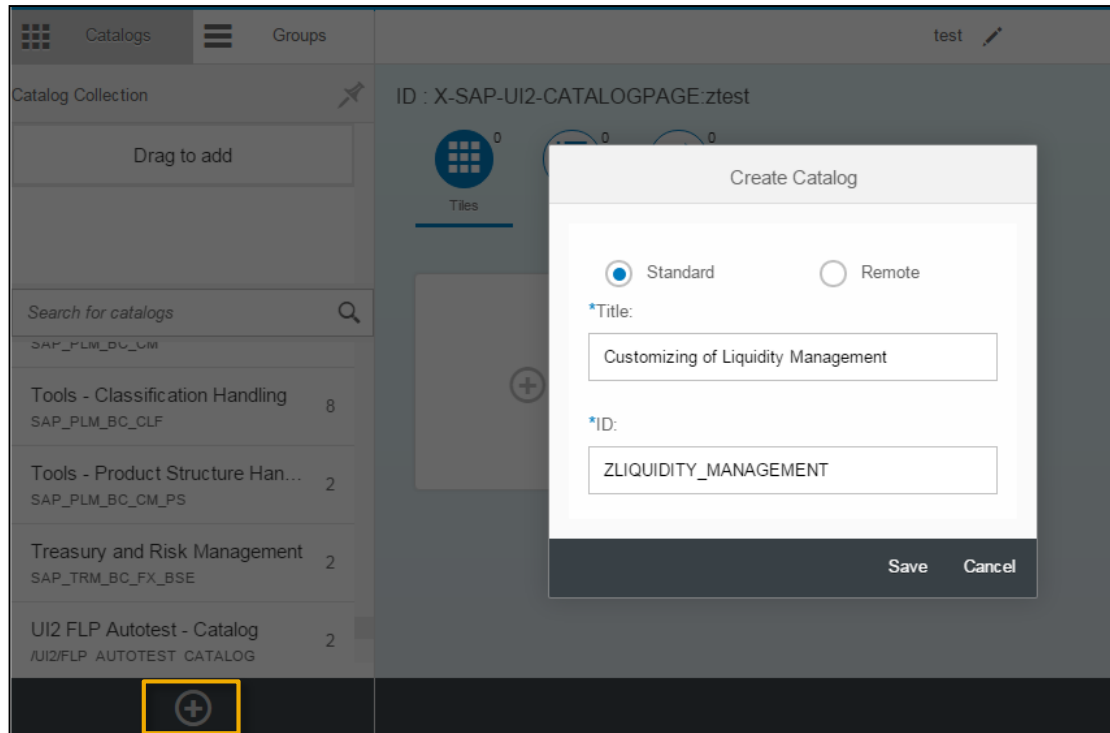
Create Launchpads

- c. Click the *New Application* button
- d. Fill the following content according to the table *Configuration of Launchpads*:

Link Text (up to customer)
Application Type
URL
Application Alias
- e. Save

Customizing Settings in Frontend Server

Enable App to be Accessed in Fiori Launchpad



Create Fiori Catalog

- Open the Fiori Launchpad Designer.
- Create a standard customizing catalog and fill the *Title* and the *ID*. The customizing catalog is to contain the customizing target mappings
- Save.

Customizing Settings in Frontend Server

Enable App to be Accessed in Fiori Launchpad

The left screenshot shows the SAP Fiori customizing catalog for the application 'X-SAP-UI2-CATALOGPAGE:ZLIQUIDITY_MANAGEMENT'. The 'Target Mapping' tile is highlighted with a yellow box. Below the tiles, there is a 'Configure Columns' button and a table with columns: Semantic Object, Action, Navigation type, Information, and Des... The table is currently empty with the text 'No data'. At the bottom, there is a 'Create Target Mapping' button highlighted with a yellow box.

The right screenshot shows the 'Configure: Target Mapping' form. The 'Intent' section has 'Semantic Object' set to 'BankAccount' and 'Action' set to 'createCycle', both highlighted with yellow boxes. The 'Target' section has 'Source of Navigation Target' set to 'Other SAP Fiori App', 'Launchpad Role' set to 'FCLM_BPC', 'Launchpad Instance' set to 'FCLM_BPC_CI', and 'Application Alias' set to 'BPC_CI', all highlighted with yellow boxes. The 'General' section has 'Device Types' set to 'Desktop' (checked), 'Tablet', and 'Phone'. Below this is a 'Parameters' table with columns: Name, Mandatory, Value, Is Regular Expression, and Default Value. The first row has 'Enter Name' in the Name column and a checkbox in the Mandatory column. At the bottom, there is a 'Save' button and a 'Cancel' button.

Create Target Mappings

- In the customizing catalog, go to Target Mapping panel and click *Create Target Mapping*.
- Configure the target mapping as listed in table *Configuration of Target Mappings*. Launchpad Role, Launchpad Instance and Application Alias are bound to the target mapping, so that when opening the tile, BPC will be launched.
- Save.

Customizing Settings in Frontend Server

Enable App to be Accessed in Fiori Launchpad

1 Role Maintenance

Role: ZLIQUIDITY_MANAGEMENT

Short Description

Single Role

2 Change Roles

Role: ZLIQUIDITY_MANAGEMENT

Description: Liquidity Management

Target System: No destination

Menu

3 Assign Tile Catalog

Catalog Provider: X-SAP-UI2-CATALOGPAGE Fiori Laun...

Catalog ID: ZLIQUIDITY_MANAGEMENT

Customizing of Liquidity Management

Display Catalog

4 Change Roles

Transaction

Hierarchy

- Role Menu
 - Liquidity Management Custom
 - SAP Fiori Tile Catalog

Bind Catalog to Role

- Create a customizing role or opening an existing role using transaction *PFEG*
- Add Transaction *SAP Fiori Tile Catalog*.
- Bind the customizing Catalog to the role. Catalog Provider should be *X-SAP-UI2-CATALOGPAGE*.
- Assign the customizing role to the users.

Customizing Settings in Frontend

Activate OData Service

Activate and Maintain Services

ICF Node | Call Browser | SAP Gateway Client | **Add Service** | Delete Service | Service Details | Load Metadata | Error Log | Request Statistics | Refresh Cat

Service Catalog

Type	Technical Service Name	V...	Service Description	External Service Name	Namespace	OAut.
BEP	RSAO_ODATA_SRV	1	Tlogo and Bookmark access via Odata	RSAO_ODATA_SRV		<input checked="" type="checkbox"/>
BEP	S_AIVS_SO_AN_VP_CDS	1	SADL Generated Service	S_AIVS_SO_AN_VP_CDS		<input type="checkbox"/>
BEP	S_AIVS_SOITEM_AN_CDS	1	SADL Generated Service	S_AIVS_SOITEM_AN_CDS		<input type="checkbox"/>
BEP	SADL_GW_HOME_ANALYTICS_SP09_SRV...	1	Analytics features	SADL_GW_HOME_ANALYTICS_SP09_SRV_01		<input checked="" type="checkbox"/>
BEP	SADL_GW_HOME_ANALYTICS_SP10_SRV...	1	Analytics features	SADL_GW_HOME_ANALYTICS_SP10_SRV_01		<input checked="" type="checkbox"/>

ICF Node | Call Browser | SAP Gateway Client | **Add System Alias** | Remove System Alias | Customizing

ICF Nodes

Status	ICF Node	Session Time-out	Soft State	Description
<input checked="" type="checkbox"/>	ODATA	00:00:00		Standard Mode

System Aliases

SAP System Alias	Description
SFINODATA1	Connection to primary S/4H Test system

- Activate and maintain the OData service `RSAO_ODATA_SRV` with version 0001 using transaction `/IWFND/MAINT_SERVICE`.
- System Alias directing to the backend system should also be maintained.

Agenda

1 Customizing of Develop Liquidity Plans and Liquidity Plans

2 Customizing of Liquidity Forecast

3 Customizing of Liquidity Forecast Details

4 Customizing of Actual Cash Flow

5 Customizing of Cash Flow - Detailed Analysis

Customizing Settings

Assign Roles

Role Type	Role	On Frontend/Backend System	Purpose
PFCG Role	SAP_CA_BCR_SSB_SOH	Frontend System	For Smart Business Runtime
PFCG Role	SAP_BR_CASH_MANAGER	Frontend System	SAP Example Role for Cash Manager

Customizing Settings

1. Activate Gateway Service

1 Activate and Maintain Services

Service Catalog

Type	Technical Service Name	V...	Service Description	External Service Name	Namespace	Soft State	Status
BEP	Z0FCLM_BANK_TRANSFER_SRV	1	Service of Fiori bank transfer	Z0FCLM_BANK_TRANSFER_SRV			Not Supported

2 Selected Services

Get Services

3) Get Services

Filter

System Alias: SFINODATA3 **1) Select the system alias of backend system**

Technical Service Name: Version:

External Service Name: C_LFCASTANALYTICS_CDS **2) Enter the gateway service**

5) Add selected service

4) Select the service

Type	Technical Service Name	V...	Service Description	External Service Name
BEP	C_LFCASTANALYTICS_CDS	1	Liquidity Forecast 90 Days	C_LFCASTANALYTICS_CDS

3

Service

Technical Service Name: ZC_LFCASTANALYTICS_CDS

Service Version: 1

Description: Liquidity Forecast 90 Days

External Service Name: C_LFCASTANALYTICS_CDS

Namespace:

External Mapping ID:

External Data Source Type: C

Model

Technical Model Name: ZC_LFCASTANALYTICS_CDS

Model Version: 1

Creation Information

Package Assignment: Local Object

ICF Node

Standard Mode None

Set Current Client as Default Client in ICF Node

OAuth enablement

Enable OAuth for Service

- For Smart Business App '90 days Liquidity Forecast', the gateway service C_LFCASTANALYTICS_CDS for getting data from backend system should be activated on frontend system
- T-code: /IWFND/MAINT_SERVICE

Customizing Settings (for Smart Business App)

2. Configure KPI and its related entities in KPI Modeler

In KPI Modeler, users can set up their own interested KPI and its related entities such as evaluations, tiles and drilldowns.

In our example, we provide the steps to create a new Liquidity Forecast app which monitors 30 days Liquidity Forecast for currency USD since today.

Customizing Settings (for Smart Business App)

2.1.1 Configure KPI Evaluation in KPI Modeler

The screenshot illustrates the KPI Modeler interface with four numbered steps:

- 1 Modeler**: A sidebar menu titled 'KPI Workspace' with the subtitle 'Manage KPIs and evalu...'. A red circle '1' is next to the title.
- 2**: The main workspace shows a list of KPIs on the left and details for 'Liquidity Forecast' on the right. A red circle '2' is next to the 'Liquidity Forecast' entry in the list. The details pane shows the KPI ID 'SAP.SFIN.CASHMGR.LIQUIDITY90DAYS', description, tags, properties, goal type 'Maximizing', and an 'Evaluations (1)' table. The table has columns 'Evaluation', 'Status', and 'Description'. One row is highlighted with a red box: 'Liquidity Forecast: EUR' with status 'Active' and description 'Liquidity Forecast Transacts...'. Below this, another row shows 'SAP.SFIN.CASHMGR.LIQUIDITY90DAYS'.
- 3**: A dialog box titled 'Copy KPI' with two options: 'Copy KPI Only' (Copy only KPI. Related entities will not be copied) and 'Copy KPI and all its entities' (Copy KPI with its evaluations and drill-downs. Tiles and associations will not be copied). A red circle '3' is next to the dialog title. The second option is highlighted with a red box.
- 4**: A dialog box titled 'Copy KPI' with the instruction 'You can edit automatically generated IDs. Maximum length is 40 characters (spaces not allowed)'. It contains two input fields: 'Liquidity Forecast: .liquidityforecastnew' and 'Evaluation: Liquidity Forecast: EUR: .liquidityforecastevaluationnew'. A red circle '4' is next to the dialog title. 'Cancel' and 'OK' buttons are visible.

- Go to KPI Workspace from Fiori Launchpad
- Find Liquidity Forecast KPI with ID 'SAP.SFIN.CASHMGR.LIQUIDITY90DAYS' and name 'Liquidity Forecast' delivered by SAP
- Copy KPI and all its entities

Customizing Settings (for Smart Business App)

2.1.2 Configure KPI Evaluation in KPI Modeler

1 All KPIs (27)

2 Copy Of Liquidity Forecast: EUR

3 Parameters

4 Input Parameter

Input Parameter	Description
Display Currency	The currency restriction applied to bank account currency (or transaction currency if there is no bank account currency) of forecasted cash flows
Interval Day	Specify for how many days after current date liquidity forecast cash flows will be calculated and shown.

Dimension Operator: Display Currency Equal to (=)

Interval Day Equal to (=)

Values: USD, 30

Buttons: Save, Save and Create New, **Activate**, Activate and Create New

- In KPI Modeler, find new Liquidity Forecast KPI and then select the newly-created evaluation
- Edit the newly-created evaluation. Change the evaluation title and values for input parameters as requirement.
- Save and Activate the evaluation

Customizing Settings (for Smart Business App)

2.2 Configure KPI Tile in KPI Modeler

The screenshot displays the SAP KPI Modeler interface. On the left, a sidebar lists various KPIs, with 'Copy Of Liquidity Forecast' selected. The main area is divided into three sections: 'Information', 'Target, Thresholds, and Trend', and 'Input Parameters and Filters'. The 'Tile Configuration' pane on the right is active, showing the following settings:

- Title Format:** Trend Tile
- Title:** Copy Of Liquidity Forecast
- Subtitle:** Copy Of Liquidity Forecast
- Keywords:** Click enter to add tag
- Catalog:** X-SAP-UI2-CATALOGPAGE:SAP_SF_IN_BC_CM_LM
- Dimension:** Calendar Day
- Select Drill-Down:** Generic
- Semantic Object:** BankAccount
- Action:** analyzeSBKPIDetailsSOH
- Application Parameters:** Name, Value

Red annotations highlight the following steps:

1. Selecting the 'Copy Of Liquidity Forecast' KPI in the sidebar.
2. Clicking the 'Add Tile' button in the bottom toolbar.
3. Clicking the 'Configure Tile' button in the bottom toolbar.

- Go to the newly-created evaluation
- Configure tile in the evaluation, add a tile, specify tile format as trend tile and change title/subtitle/catalog/dimension/semantic object as desired
- Save the tile

Customizing Settings (for Smart Business App)

2.3 Configure KPI Drilldown in KPI Modeler

The screenshot displays the SAP KPI Modeler interface with several key elements highlighted by red circles and boxes:

- 1**: Search bar in the top left.
- 2**: Evaluation list on the left side.
- 3**: Configuration menu in the top right of the visualization area.
- 4**: Visualization settings panel on the left side.

The central panel shows the configuration for the 'Liquidity Forecast' KPI. It includes sections for 'Information', 'Data Source', 'Target, Thresholds, and Trend', and 'Input Parameters and Filters'. The 'Drill-Down Configuration' section is expanded, showing a list of 'Configured Views' including 'Forecast Cash Flow and Balance', 'Operating Cash Flow', 'Investing Cash Flow', 'Financing Cash Flow', 'Cash Flow by Liquidity Item', and 'Cash Flow by Company Code'. A red box highlights the 'Configure Drill Down' button in the bottom right of this section.

The right side of the image shows two visualization views of the 'Forecast Cash Flow and Balance' KPI. The top view is a bar chart with a line graph overlay, showing 'Cash Flow' (blue bars) and 'Closing Balance' (green line) over a 30-day period. The bottom view is a similar chart with a different configuration. A red box highlights the 'Configure' button in the top right of the visualization area.

- Go to the newly-created evaluation
- Configure Drill Downs. Change the Measures, Dimensions, Visualization Type and View Title as desired. Save View.

Customizing Settings (for Smart Business App)

2.4 Add Tile to Fiori Launchpad

The image illustrates the process of adding a new tile to the Fiori Launchpad. On the left, the 'Tile Catalog' is shown with a search bar and a dropdown menu set to 'Smart Business'. A tile titled 'Copy Of Liquidity Forecast' is highlighted, showing a 30-day liquidity forecast chart with values of 3 M and 23 M. A yellow arrow points to the right, where the 'My Home' dashboard is shown. The dashboard contains three tiles: 'Liquidity Forecast Trend by Date:EUR', 'Actual Cash Flow Trend by Date:EUR', and 'Copy Of Liquidity Forecast 30 day Liquidity Foreca...'. The third tile is highlighted with a red border, indicating it has been added to the dashboard. The chart data for the 'Copy Of Liquidity Forecast' tile is as follows:

Date	Value
20160112	3 M
20160211	23 M

- Add the new tile from Tile Catalog in tile configuration to desired group on Fiori Launchpad

Agenda

1 Customizing of Develop Liquidity Plans and Liquidity Plans

2 Customizing of Liquidity Forecast

3 Customizing of Liquidity Forecast Details

4 Customizing of Actual Cash Flow

5 Customizing of Cash Flow - Detailed Analysis

Agenda

1 Customizing of Develop Liquidity Plans and Liquidity Plans

2 Customizing of Liquidity Forecast

3 Customizing of Liquidity Forecast Details

Customizing Settings in the Backend Server

Customizing Settings in the Frontend Server

4 Customizing of Actual Cash Flow

5 Customizing of Cash Flow - Detailed Analysis

Customizing Settings in the Backend Server

Activate BI Content Bundle

The screenshot displays the 'BI Content Activation Workbench: Activate Content Bundle' interface. At the top, there are action buttons: 'Activate', 'Activate in Background', 'Simulate Activation', 'Show Detail...', 'Refresh', and 'Show Log...'. The main configuration area includes:

- Business Category:** A dropdown menu set to '03 Business Functions'.
- Content Bundle:** A dropdown menu set to 'FIN_CLM_PLANNING'.
- Description:** A text field containing 'Liquidity Planning'.
- RFC Destination for Content Objects:** A text field set to 'NONE' and an 'RFC Mapping...' button.
- Source Systems for DataSource Replication:** A section with radio buttons for 'No DataSource Replication', 'Current Logon Client' (selected), 'All Clients of Logon System', and 'Selected Source Systems'. Below these is a 'Select...' button and a list box containing 'U92CLNT012'.
- Treatment of Already Active Content Objects:** Radio buttons for 'Automatic' (selected), 'Match', and 'Copy', along with a checkbox for 'Install all Collected Objects'.
- Activation Status for Selected RFC Destination:** A status indicator showing a green square and the text 'Activation finished'.

- Activate BI contents in Liquidity Management by activating the BI content bundle *FIN_CLM_PLANNING* using transaction *BSANLY_BI_ACTIVATION*. The Business Category for this bundle is *03 Business Functions*.
- If the BI bundle cannot be activated successfully, you need to activate all the BI contents collected in the bundle using transaction *RSOR*. Click the *Show Detail* button to check the collected BI contents.

Customizing Settings in the Backend Server

Activate ICF Service

Maintain Services

Filter for Calling ICF Hierarchy

Hierarchy Type	SERVICE
Virtual Host	
Service Path	/sap/bc/ui5_ui5/sap/bpcwebclient
Service Name	
Reference Service	
Description	
Language	EN English

Define Services

Create Host/Service External Alases System Monitor Active

Filter Details

Virtual Host		Service Path	/sap/bc/ui5_ui5/sap/bpcwebclient
ServiceName			
Description			
Lang.	EN English	Ref.Service:	

Apply Reset Fine-Tune

Virtuelle Hosts / Services

default_host	VIRTUAL DEFAULT HOST
sap	SAP NAMESPACE; SAP IS OBLIGED NOT T...
bc	BASIS TREE (BASIS FUNCTIONS)
ui5_ui5	SAPUI5 Application Handler SAPUI5 Applic...
sap	sap Namespace for SAPUI5 Applications
bpcwebclient	sap Namespace for SAPUI5 Applications

Documentation

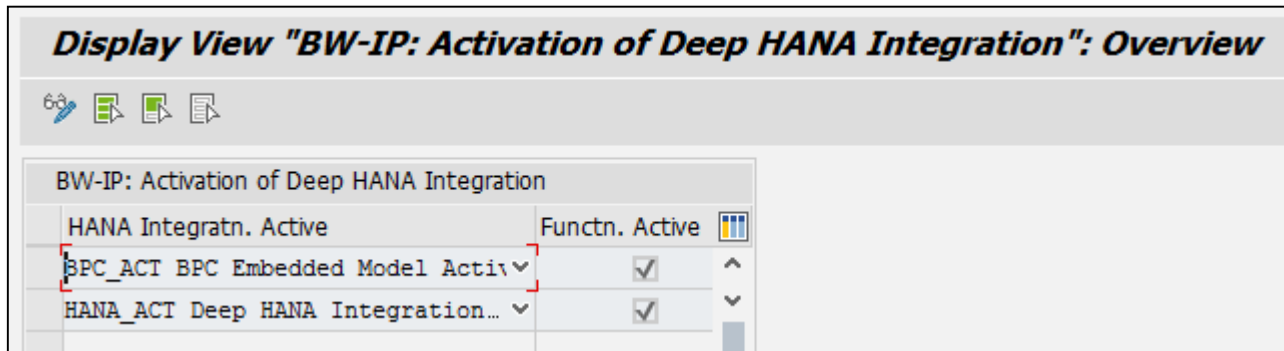
Activate Service

ICF Service Description	Service Path
BW InA	/sap/bw/ina
MIME in Web Reporting	/sap/bw/Mime
Enterprise Search InA Adapter	/sap/es/ina

- Activate the ICF services listed in the table
1. Run transaction *SICF*.
 2. Enter the service path and choose *Execute*.
 3. Right click on the service and choose *Activate Service*.

Customizing Settings in the Backend Server

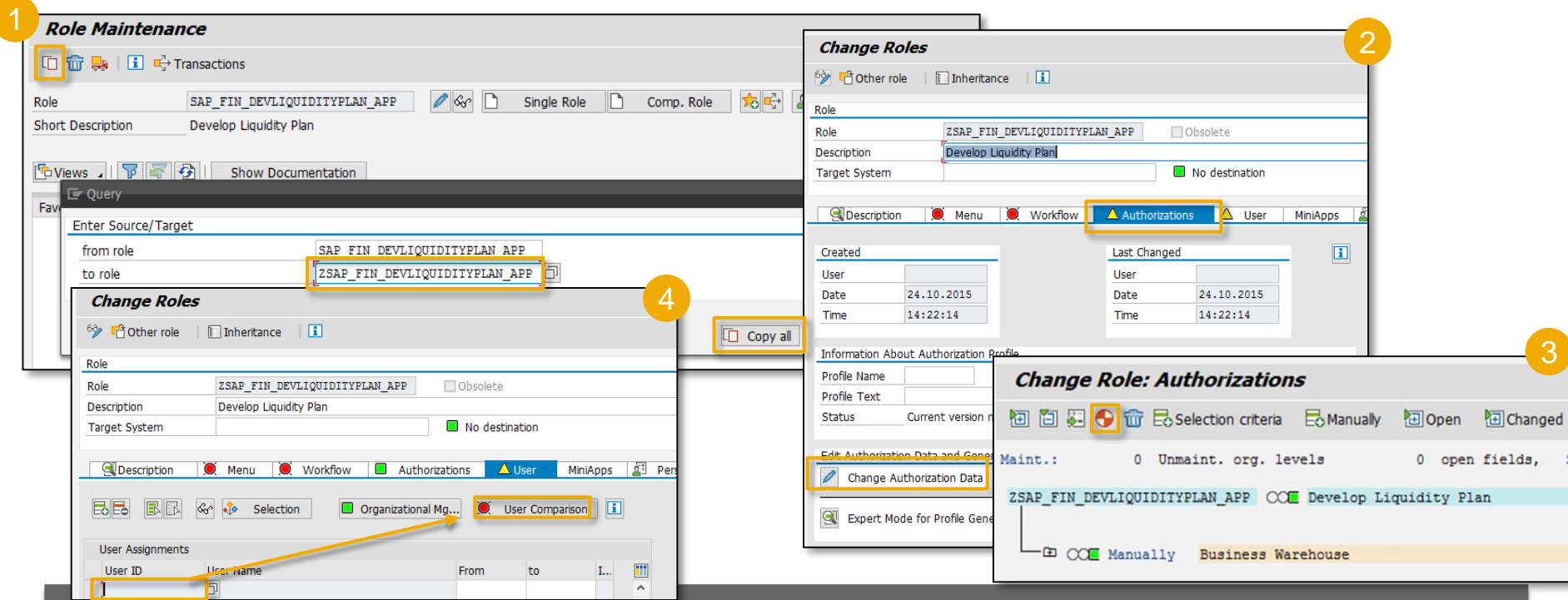
Activate BPC Embedded Model and Deep HANA Integration



- Activate Deep HANA Integration (HANA_ACT) in maintenance view *RSPLS_HDB_ACT*
- You can use transaction SM30 to access the maintenance view

Customizing Settings in the Backend Server

Assign Backend Role to Users



- The following backend role for Liquidity Forecast Details delivered as examples contain authorizations to access Design Studio app. (The screenshot is just an example for role copy, you should use the role name below for this app)

SAP_FIN_LFDETAILS_DS_APP

- You can copy them as Customizing (Z*) roles, authorization file should be generated for the Customizing roles, and then the Customizing roles should be assigned to users in transaction PFCG.

Agenda

1 Customizing of Develop Liquidity Plans and Liquidity Plans

2 Customizing of Liquidity Forecast

3 Customizing of Liquidity Forecast Details

Customizing Settings in the Backend Server

Customizing Settings in the Frontend Server

4 Customizing of Actual Cash Flow

5 Customizing of Cash Flow - Detailed Analysis

Customizing Settings in the Frontend Server

Activate ICF Service

Maintain Services

Filter for Calling ICF Hierarchy

Hierarchy Type	SERVICE
Virtual Host	
Service Path	/sap/bc/ui5_ui5/sap/fin_ds_analyze
Service Name	
Reference Service	
Description	
Language	EN English

Define Services

Create Host/Service External Alases System Monitor Active

Filter Details

Virtual Host		Service Path	/sap/bc/ui5_ui5/sap/fin_ds_analyze
ServiceName			
Description			
Lang.	EN English	Ref.Service:	

Apply Reset Fine-Tune

Virtuelle Hosts / Services Documentation Referenz Serv

- default_host
 - sap
 - bc
 - ui5_ui5
 - sap
 - fin_ds_analyze

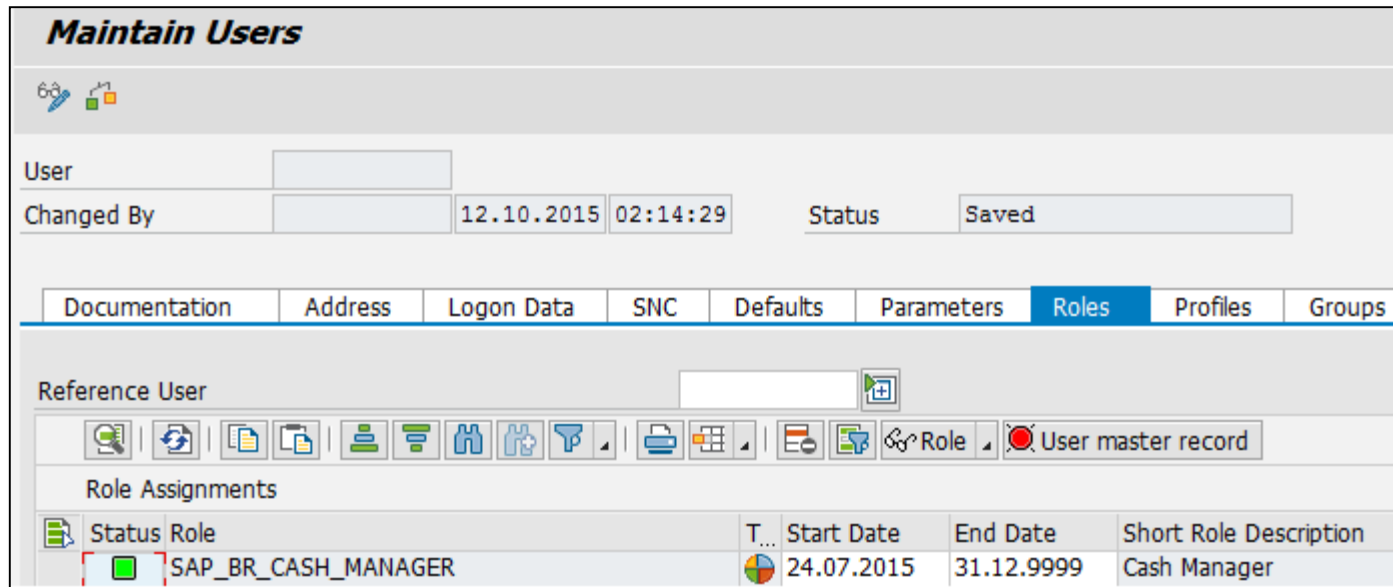
Activate Service

ICF Service Description	Service Path
Analyze Design Studio Query	/sap/bc/ui5_ui5/sap/fin_ds_analyze
Unified Shell	/sap/bc/ui5_ui5/ui2/ushell

- Activate the ICF services listed in the table using t-code SICF
- 1. Go to transaction *SICF*, enter the service path and choose *Execute*.
- 2. Right click the service and choose *Activate Service*.

Customizing Settings in the Frontend Server

Enable App to be Accessed in Fiori Launchpad



The screenshot shows the 'Maintain Users' transaction in SAP. The 'Roles' tab is selected, displaying a table of role assignments for a user. The table has columns for Status, Role, T..., Start Date, End Date, and Short Role Description. One role is assigned: SAP_BR_CASH_MANAGER, which is active (green square) and has a start date of 24.07.2015 and an end date of 31.12.9999. The role description is 'Cash Manager'.

Status	Role	T...	Start Date	End Date	Short Role Description
■	SAP_BR_CASH_MANAGER		24.07.2015	31.12.9999	Cash Manager

Assign Frontend Role to Users

- SAP delivers a front-end business role SAP_BR_CASH_MANAGER bound with Fiori Catalog and Group, which serves as an example. You can refer to this example and group cash-management-related Fiori tiles and target mappings from technical catalog into Catalog and Group. After the administrator assign the role to the users via transaction like PFCG or SU01, the end users could have those tiles in their Fiori Launchpad
- You can directly assign the example role to the user or set up your own role.

Customizing Settings in Frontend

Activate OData Service

Activate and Maintain Services

ICF Node | Call Browser | SAP Gateway Client | **Add Service** | Delete Service | Service Details | Load Metadata | Error Log | Request Statistics | Refresh Cat

Service Catalog

Type	Technical Service Name	V...	Service Description	External Service Name	Namespace	OAut.
BEP	RSAO_ODATA_SRV	1	Tlogo and Bookmark access via Odata	RSAO_ODATA_SRV		<input checked="" type="checkbox"/>
BEP	S_AIVS_SO_AN_VP_CDS	1	SADL Generated Service	S_AIVS_SO_AN_VP_CDS		<input type="checkbox"/>
BEP	S_AIVS_SOITEM_AN_CDS	1	SADL Generated Service	S_AIVS_SOITEM_AN_CDS		<input type="checkbox"/>
BEP	SADL_GW_HOME_ANALYTICS_SP09_SRV...	1	Analytics features	SADL_GW_HOME_ANALYTICS_SP09_SRV_01		<input checked="" type="checkbox"/>
BEP	SADL_GW_HOME_ANALYTICS_SP10_SRV...	1	Analytics features	SADL_GW_HOME_ANALYTICS_SP10_SRV_01		<input checked="" type="checkbox"/>

ICF Node | Call Browser | SAP Gateway Client | **Add System Alias** | Remove System Alias | Customizing | ?

ICF Nodes

Status	ICF Node	Session Time-out	Soft State	Description
<input checked="" type="checkbox"/>	ODATA	00:00:00		Standard Mode

System Aliases

SAP System Alias	Description
SFINODATA1	Connection to primary S/4H Test system

- Activate and maintain the OData service `RSAO_ODATA_SRV` with version 0001 using transaction `/IWFND/MAINT_SERVICE`.
- System Alias directing to the backend system should also be maintained.

Agenda

- 1 Customizing of Develop Liquidity Plans and Liquidity Plans
- 2 Customizing of Liquidity Forecast
- 3 Customizing of Liquidity Forecast Details
- 4 Customizing of Actual Cash Flow**
- 5 Customizing of Cash Flow - Detailed Analysis

Customizing Settings

Assign Roles

Role Type	Role	On Frontend/Backend System	Purpose
PFCG Role	SAP_CA_BCR_SSB_SOH	Frontend System	For Smart Business Runtime
PFCG Role	SAP_BR_CASH_MANAGER	Frontend System	SAP Example Role for Cash Manager

Customizing Settings

1. Activate Gateway Service

1 Activate and Maintain Services

Service Catalog

Type	Technical Service Name	Version	Service Description	External Service Name	Namespace	Soft State	Status
BEP	Z0FCLM_BANK_TRANSFER_SRV	1	Service of Fiori bank transfer	0FCLM_BANK_TRANSFEER_SRV			Not Supported

2 Selected Services

3) Get Services

1) Select the system alias of backend system

2) Enter the gateway service

5) Add selected service

4) Select the service

3

Local Object

Type	Technical Service Name	Version	Service Description	External Service Name
BEP	C_ACTUALCASHFLOWANALYTICS_CDS	1	Actual Cash Flow in 90 days	C_ACTUALCASHFLOWANALYTICS_CDS

- For Smart Business App '90 days Actual Cash Flow', the gateway service C_ACTUALCASHFLOWANALYTICS_CDS for getting data from backend system should be activated on frontend system
- T-code: /IWFND/MAINT_SERVICE

Customizing Settings (for Smart Business App)

2. Configure KPI and its related entities in KPI Modeler

In KPI Modeler, users can set up their own interested KPI and its related entities such as evaluations, tiles and drilldowns.

In our example, we provide the steps to create a new actual cash flow app which monitors the 30 days actual cash flow for currency USD before today.

Customizing Settings (for Smart Business App)

2.1.1 Configure KPI Evaluation in KPI Modeler

1 Modeler

KPI Workspace
Manage KPIs and

All KPIs (1)

actual

MY LAST WORKED ON

Actual Cash Flow 1 Evaluations

ID: SAP.SFIN.CASHMGR.CFA90DAYS

Information Data Source Associations

Description: Actual Cash Flow
Tags:
Properties:
Goal Type: Maximizing
Additional Languages: Additional Languages

Evaluations (1)

Evaluation	Status	Description
Cash Flows:EUR SAP.SFIN.CASHMGR.CFA90DAYS	Active	Cash Trend by Date

3 Copy KPI

Copy KPI Only
Copy only KPI. Related entities will not be copied

Copy KPI and all its entities
Copy KPI with its evaluations and drill-downs. Tiles and associations will not be copied

Cancel

4 Copy KPI

You can edit automatically generated IDs. Maximum length is 40 characters (spaces not allowed)

Copy Of Actual Cash Flow: .K.30DayUsdActual

New Evaluation ID:
Evaluation:
Copy Of Cash Flows:EUR: .K.30DayUsdActualEvaluation

Cancel
OK

Edit Copy Add as Favorite

- Go to KPI Workspace from Fiori Launchpad
- Find Actual Cash Flow KPI with ID 'SAP.SFIN.CASHMGR.CFA90DAYS' delivered by SAP
- Copy KPI and all its entities

Customizing Settings (for Smart Business App)

2.1.2 Configure KPI Evaluation in KPI Modeler

1 All KPIs (2)

MY LAST WORKED ON

Copy Of Actual Cash Flow 1 Evaluations
ID: K.30DAYUSDACTUAL Active

Actual Cash Flow 1 Evaluations
ID: SAP_SFIN_CASHMGR_CFA90DAYS

2 Copy Of Cash Flows:EUR
K.30DAYUSDACTUALEVALUATION Active

Information Data Source

Description: Cash Trend by Date
Tags: Cash Trend by Date
Properties: Maximize
Goal Type: Maximizing
Additional Languages: Additional Languages

Target, Thresholds, and Trend

Goal Type: Value Types

Input Parameters and Filters

Dimension	Type	Op
P_DisplayCurrency	Input Parameter	Eq
P_DisplayRange	Input Parameter	Eq

3 Parameters

*Selected KPI: Copy Of Actual Cash Flow

*Evaluation ID: K.30DAYUSDACTUALEVALUATION

*Evaluation: Copy Of Cash Flows:USD

Additional Languages (1)

Description: Cash Trend by Date

Tags: To add tag, press the Enter key.

Owner Name:

Owner ID and Email:

Property Name and Value: Name Value

*Input Parameters

Required input parameters list is taken from the data source provided

Dimension	Operator	Values
Display Currency	Equal to (=)	USD
INTERVAL DAY	Equal to (=)	30

4 Input Parameter Description

Input Parameter	Description
Display Currency	The currency restriction applied to bank account currency (or transaction currency if there is no bank account currency) of actual cash flows
Interval Day	Specify for how many days before current date actual cash flows are calculated and shown.

Save Save and Create New **Activate** Activate and Create New

- In KPI Modeler, find new Actual Cash Flow KPI and then select the newly-created evaluation
- Edit the newly-created evaluation. Change the evaluation title and values for input parameters as required.
- Save and Activate the evaluation

Customizing Settings (for Smart Business App)

2.2 Configure KPI Tile in KPI Modeler

The screenshot displays the SAP KPI Modeler interface. On the left, a sidebar lists various KPIs, with 'Copy Of Actual Cash Flow' selected. The main area shows the configuration for this KPI. A 'Tile Configuration' pane is open, showing settings for the tile format (Trend Tile), title ('Copy Of Actual Cash Flow'), subtitle ('Copy Of Cash Flows:EUR'), and dimension ('Calendar Day'). The 'Save' button is highlighted with a red box. A '3' in a red circle points to the 'Tile Configuration' pane, and a '2' in a red circle points to the 'Add Tile' button. A '1' in a red circle points to the selected KPI in the sidebar.

- Go to the newly-created evaluation
- Configure tile in the evaluation, add a tile, specify tile format as trend tile and change title/subtitle/catalog/semantic object as desired. Dimension must be set as 'Calendar Day'.
- Save the tile

Customizing Settings (for Smart Business App)

2.3 Configure KPI Drilldown in KPI Modeler

The screenshot illustrates the configuration of a KPI drilldown in SAP KPI Modeler. The interface is divided into several panels:

- Panel 1 (Left):** A list of KPIs. The 'Copy Of Cash Flow' KPI is selected.
- Panel 2 (Top Right):** The configuration page for 'Copy Of Cash Flows:USD'. It shows the description 'Cash Trend by Date', tags, properties, goal type 'Maximizing', and value type 'FIXED'. It also displays input parameters and filters.
- Panel 3 (Bottom Right):** A bar chart visualization of 'Cash Flows:USD'. The chart shows cash flow values for various calendar days. A 'Configure Drill-Down' button is highlighted.
- Panel 4 (Bottom Left):** A detailed view of the 'Configure Drill-Down' configuration. It shows a table of dimensions and a visualization of the drilldown data.

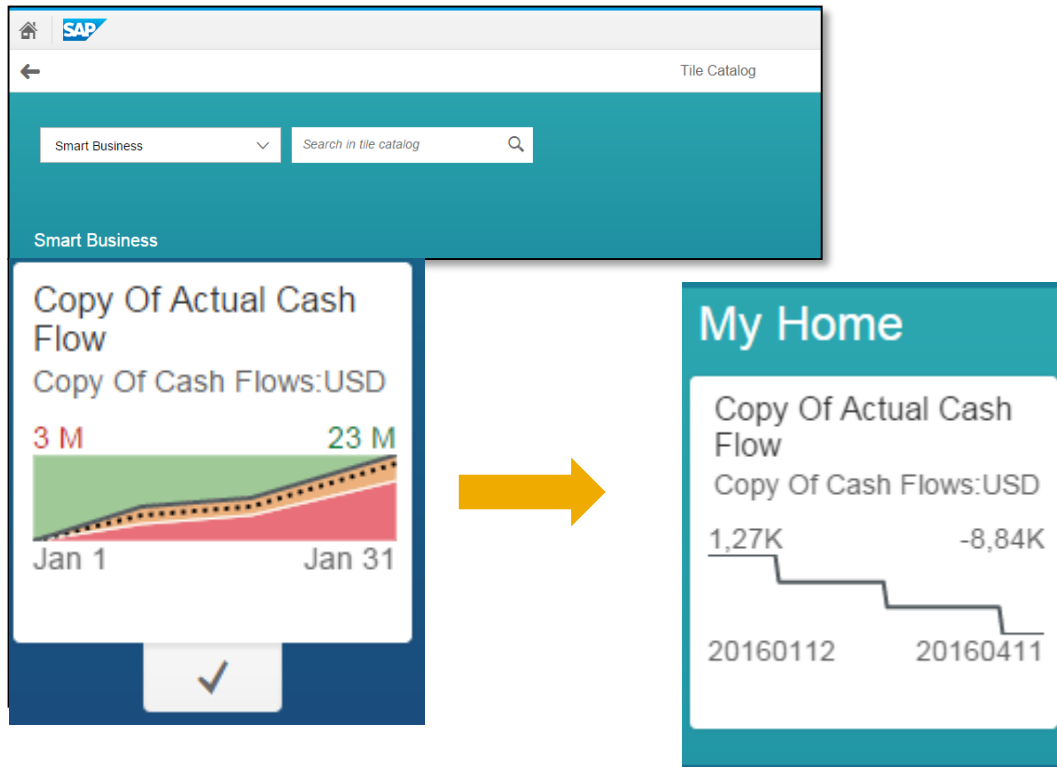
Dimensions	Type	Operator	Values From	Value To
P_DisplayCurrency	Input Parameter	Equal to	USD	
P_DueDaysRange	Input Parameter	Equal to	30	

Calendar Day	Cash Flow
CalendarDay_9	80
CalendarDay_8	30
CalendarDay_7	120
CalendarDay_6	100
CalendarDay_5	180
CalendarDay_4	70
CalendarDay_3	90
CalendarDay_2	80
CalendarDay_1	90
CalendarDay_0	20

- Go to the newly-created evaluation
- Configure Drill Downs. Change the Measures, Dimensions, Visualization Type and View Title as desired. Save View.

Customizing Settings (for Smart Business App)

2.4 Add Tile to Fiori Launchpad



- Add the new tile from Tile Catalog in tile configuration to desired group on Fiori Launchpad

Agenda

- 1 Customizing of Develop Liquidity Plans and Liquidity Plans
- 2 Customizing of Liquidity Forecast
- 3 Customizing of Liquidity Forecast Details
- 4 Customizing of Actual Cash Flow
- 5 Customizing of Cash Flow - Detailed Analysis**

Agenda

1 Customizing of Develop Liquidity Plans and Liquidity Plans

2 Customizing of Liquidity Forecast

3 Customizing of Liquidity Forecast Details

4 Customizing of Actual Cash Flow

5 Customizing of Cash Flow - Detailed Analysis

Customizing Settings in the Backend Server

Customizing Settings in the Frontend Server

Customizing Settings in the Backend Server

Activate BI Content Bundle

The screenshot displays the 'BI Content Activation Workbench: Activate Content Bundle' interface. At the top, there are action buttons: 'Activate', 'Activate in Background', 'Simulate Activation', 'Show Detail...', 'Refresh', and 'Show Log...'. The main configuration area includes:

- Business Category:** A dropdown menu set to '03 Business Functions'.
- Content Bundle:** A dropdown menu set to 'FIN_CLM_PLANNING'.
- Description:** A text field containing 'Liquidity Planning'.
- RFC Destination for Content Objects:** A text field set to 'NONE' and an 'RFC Mapping...' button.
- Source Systems for DataSource Replication:** A section with radio buttons for 'No DataSource Replication', 'Current Logon Client' (selected), 'All Clients of Logon System', and 'Selected Source Systems'. Below these is a 'Select...' button and a list box containing 'U92CLNT012'.
- Treatment of Already Active Content Objects:** Radio buttons for 'Automatic' (selected), 'Match', and 'Copy', along with a checkbox for 'Install all Collected Objects'.
- Activation Status for Selected RFC Destination:** A status indicator showing a green square and the text 'Activation finished'.

- Activate BI contents in Liquidity Management by activating the BI content bundle *FIN_CLM_PLANNING* using transaction *BSANLY_BI_ACTIVATION*. The Business Category for this bundle is *03 Business Functions*.
- If the BI bundle cannot be activated successfully, you need to activate all the BI contents collected in the bundle using transaction *RSOR*. Click the *Show Detail* button to check the collected BI contents.

Customizing Settings in Backend Server

Activate Additional BI Contents Not in the BI Content Bundle

Object Type	Object Type Technical Name	Object Description	Object Technical Name
Query	ELEM.REP	Cash Flow - Detailed Analysis	FCLM_CFA_VP01_Q0001

- Additional BI content not collected in BI content bundle *FIN_CLM_PLANNING* should be activated individually using transaction RSOR for Cash Flow – Detailed Analysis
- Detailed steps about how to activate are on the next slide

Customizing Settings in Backend Server

Activate Additional BI Contents Not in the BI Content Bundle

The screenshot shows the SAP Data Warehousing Workbench: BI Content interface. The left panel displays a tree view of BI Content objects, with 'Query Elements' expanded to show 'Query' and 'Select Objects'. The middle panel shows a table of collected objects, with 'Cash Flow - Detailed' selected. The right panel shows the 'Grouping' menu with 'Dataflow Before and Afterwards' selected. A list of 9 steps is overlaid on the right side of the screenshot.

Object Type	Technical Name
InfoArea	AREA
Application	APCO
InfoObject Catalog	IOBC
Role	ACGR
BEx Web Template	BTMP
BEx Web Item	BITM
Crystal Report	CRWB
Xelsius Dashboard	XCLS
Enterprise Report	ERPT
Workbook	XLWB
Query View	QVIW
Query Elements	ELEM
Query	ELEM.REP
Select Objects	
Cash Flow - Detailed	0002TR8Q1D
Structure	ELEM.STR

1. Go to transaction *RSOR*.
2. Choose *Object Types* on the left panel.
3. On the middle panel, find an object type of the BI Contents listed on the tables in the previous two slides.
4. Choose *Select Objects*.
5. In the dialog box, select the objects to be activated.
6. Choose *Transfer Selections*.
7. On the right panel, select *Dataflow Before and Afterwards* in the Grouping menu.
8. Select all the objects.
9. Choose *Install* to start the content installation.

Customizing Settings in the Backend Server

Activate ICF Service

Maintain Services

Filter for Calling ICF Hierarchy

Hierarchy Type	SERVICE
Virtual Host	
Service Path	/sap/bc/ui5_ui5/sap/bpcwebclient
Service Name	
Reference Service	
Description	
Language	EN English

Define Services

Create Host/Service External Alases System Monitor Active

Filter Details

Virtual Host		Service Path	/sap/bc/ui5_ui5/sap/bpcwebclient
ServiceName			
Description			
Lang.	EN English	Ref.Service:	

Apply Reset Fine-Tune

Virtuelle Hosts / Services

default_host	VIRTUAL DEFAULT HOST
sap	SAP_NAMESPACE; SAP IS OBLIGED NOT T...
bc	BASIS_TREE (BASIS FUNCTIONS)
ui5_ui5	SAPUI5 Application Handler SAPUI5 Applic...
sap	sap Namespace for SAPUI5 Applications
bpcweb	sap Namespace for SAPUI5 Applications

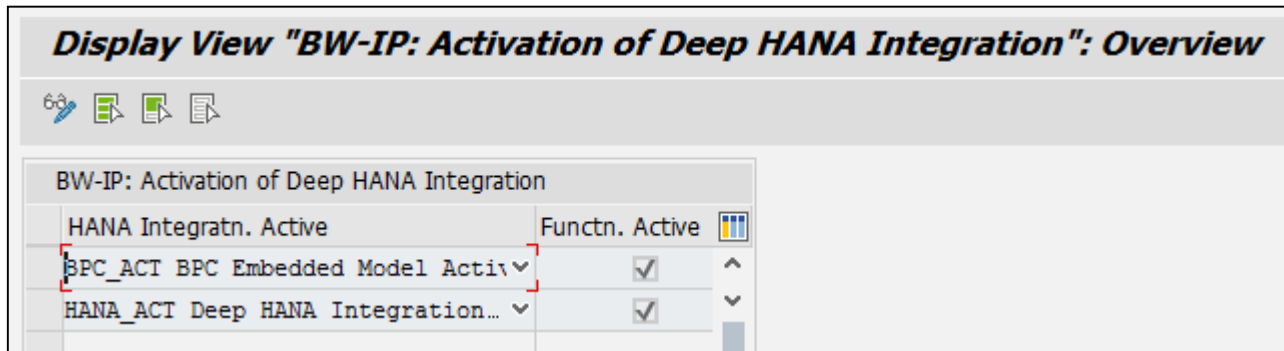
Activate Service

ICF Service Description	Service Path
BW InA	/sap/bw/ina
MIME in Web Reporting	/sap/bw/Mime
Enterprise Search InA Adapter	/sap/es/ina

- Activate the ICF services listed in the table
1. Run transaction *SICF*.
 2. Enter the service path and choose *Execute*.
 3. Right click on the service and choose *Activate Service*.

Customizing Settings in the Backend Server

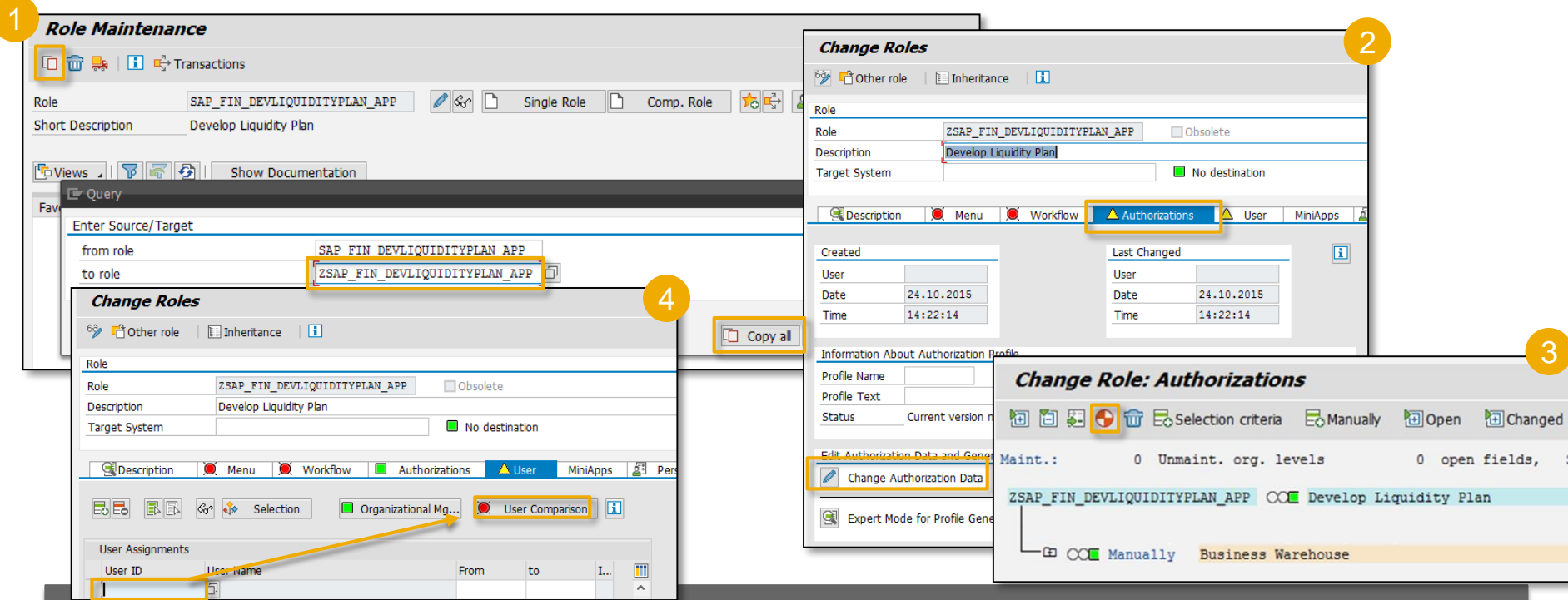
Activate BPC Embedded Model and Deep HANA Integration



- Activate Deep HANA Integration (HANA_ACT) in maintenance view *RSPLS_HDB_ACT*
- You can use transaction SM30 to access the maintenance view

Customizing Settings in the Backend Server

Assign Backend Role to Users



- The following backend role for Cash Flow – Detailed Analysis delivered as examples contain authorizations to access Design Studio app. (The screenshot is just an example for role copy, you should use the role name below for this app)
 SAP_SFIN_CFA
- You can copy them as Customizing (Z*) roles, authorization file should be generated for the Customizing roles, and then the Customizing roles should be assigned to users in transaction PFCG.

Agenda

1 Customizing of Develop Liquidity Plans and Liquidity Plans

2 Customizing of Liquidity Forecast

3 Customizing of Liquidity Forecast Details

4 Customizing of Actual Cash Flow

5 Customizing of Cash Flow - Detailed Analysis

Customizing Settings in the Backend Server

Customizing Settings in the Frontend Server

Customizing Settings in the Frontend Server

Activate ICF Service

Maintain Services

Filter for Calling ICF Hierarchy

Hierarchy Type	SERVICE
Virtual Host	
Service Path	/sap/bc/ui5_ui5/sap/fin_ds_analyze
Service Name	
Reference Service	
Description	
Language	EN English

Define Services

Create Host/Service External Aliases System Monitor Active

Filter Details

Virtual Host		Service Path	/sap/bc/ui5_ui5/sap/fin_ds_analyze
ServiceName			
Description			
Lang.	EN English	Ref.Service:	

Apply Reset Fine-Tune

Virtuelle Hosts / Services

- default_host
 - sap
 - bc
 - ui5_ui5
 - sap
 - fin_ds_analyze

Documentation

Referenz Serv

- VIRTUAL DEFAULT HOST
- SAP NAMESPACE; SAP IS OBLIGED NOT T...
- BASIS TREE (BASIS FUNCTIONS)
- SAPUI5 Application Handler SAPUI5 Applic...
- sap Namespace for SAPUI5 Applications
- Analyze Design Studio Query

Context Menu:

- New Sub-Element
- Display Service
- Delete Service
- Rename Service
- Activate Service
- Deactivate Service
- Test Service
- References to Service
- Obj. Directory Entry
- Cut
- Copy
- Paste

ICF Service Description	Service Path
Analyze Design Studio Query	/sap/bc/ui5_ui5/sap/fin_ds_analyze
Unified Shell	/sap/bc/ui5_ui5/ui2/ushell

- Activate the ICF services listed in the table using t-code SICF
- 1. Go to transaction *SICF*, enter the service path and choose *Execute*.
- 2. Right click the service and choose *Activate Service*.

Customizing Settings in the Frontend Server

Enable App to be Accessed in Fiori Launchpad

The screenshot shows the 'Maintain Users' transaction in SAP. The 'Roles' tab is selected, displaying a table of role assignments for a user. The table has columns for Status, Role, Start Date, End Date, and Short Role Description. One role is assigned: SAP_BR_CASH_MANAGER, which is active (green square) and has a start date of 24.07.2015 and an end date of 31.12.9999. The role description is 'Cash Manager'.

Status	Role	T...	Start Date	End Date	Short Role Description
■	SAP_BR_CASH_MANAGER		24.07.2015	31.12.9999	Cash Manager

Assign Frontend Role to Users

- SAP delivers a front-end business role SAP_BR_CASH_MANAGER bound with Fiori Catalog and Group, which serves as an example. You can refer to this example and group cash-management-related Fiori tiles and target mappings from technical catalog into Catalog and Group. After the administrator assign the role to the users via transaction like PFCG or SU01, the end users could have those tiles in their Fiori Launchpad
- You can directly assign the example role to the user or set up your own role.

Customizing Settings in Frontend

Activate OData Service

Activate and Maintain Services

ICF Node | Call Browser | SAP Gateway Client | **Add Service** | Delete Service | Service Details | Load Metadata | Error Log | Request Statistics | Refresh Cat

Service Catalog

Type	Technical Service Name	V...	Service Description	External Service Name	Namespace	OAut.
BEP	RSAO_ODATA_SRV	1	Tlogo and Bookmark access via Odata	RSAO_ODATA_SRV		<input checked="" type="checkbox"/>
BEP	S_AIVS_SO_AN_VP_CDS	1	SADL Generated Service	S_AIVS_SO_AN_VP_CDS		<input type="checkbox"/>
BEP	S_AIVS_SOITEM_AN_CDS	1	SADL Generated Service	S_AIVS_SOITEM_AN_CDS		<input type="checkbox"/>
BEP	SADL_GW_HOME_ANALYTICS_SP09_SRV...	1	Analytics features	SADL_GW_HOME_ANALYTICS_SP09_SRV_01		<input checked="" type="checkbox"/>
BEP	SADL_GW_HOME_ANALYTICS_SP10_SRV...	1	Analytics features	SADL_GW_HOME_ANALYTICS_SP10_SRV_01		<input checked="" type="checkbox"/>

ICF Node | Call Browser | SAP Gateway Client | **Add System Alias** | Remove System Alias | Customizing

ICF Nodes

Status	ICF Node	Session Time-out	Soft State	Description
<input checked="" type="checkbox"/>	ODATA	00:00:00		Standard Mode

System Aliases

SAP System Alias	Description
SFINODATA1	Connection to primary S/4H Test system

- Activate and maintain the OData service `RSAO_ODATA_SRV` with version 0001 using transaction `/IWFND/MAINT_SERVICE`.
- System Alias directing to the backend system should also be maintained.

Lesson Summary



You should now be able to:

- Describe the required Customizing settings for the *Develop Liquidity Plans* app and the *Liquidity Plans* app
- Describe the required customizing settings of *Liquidity Forecast*
- Describe the required customizing settings of *Liquidity Forecast Details*
- Describe the required customizing settings of *Actual Cash Flow*
- Describe the required customizing settings of *Cash Flow – Detailed Analysis*

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