



AC105

Collection: 03

Material Number: 50129727

SAP Cash Management powered by SAP HANA



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Abstract

Target Group	Application consultant Business Analyst Project Manager
General Description	The course provides a comprehensive view of functionalities of SAP Cash Management powered by SAP HANA, including both application and customizing activities, and the required steps to setup data starting from a legacy environment.
Learning Objectives	<ul style="list-style-type: none">- Outline the functions of Cash Management powered by SAP HANA- Customize, set up and use Bank Account Management within Cash Management powered by SAP HANA- Customize, set up and use Cash Operations within Cash Management powered by SAP HANA- Customize and use Liquidity Management within Cash Management powered by SAP HANA- Configure and use new functionalities in SAP Accounting powered by SAP HANA
Duration	Classroom: 2 Days Self Study: 16 Hours

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AC105 Unit Overview

SAP Cash Management powered by SAP HANA

Unit 1: Overview of SAP Simple Finance

30 minutes

Unit 4: Cash Operations

80 minutes

Unit 2: Overview of SAP Cash Management powered by SAP HANA

80 minutes

Unit 5: Liquidity Management

200 minutes

Unit 3: Bank Account Management

120 minutes

Unit 6: One Exposure from Operations

40 minutes

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Unit 1: Overview of SAP Simple Finance

SAP

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Agenda

Lesson 1: Introducing SAP HANA and SAP S/4HANA



Lesson 2: Outlining SAP Simple Finance

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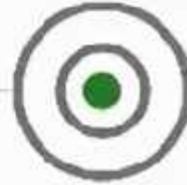


Lesson 1: Introducing SAP HANA and SAP S/4HANA



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Learning Objective



After completing this lesson, you will be able to:

- Explain the motivation and advantage of SAP HANA
- Understand the benefits of the S/4HANA suite

Scenario



Your business has to process an ever increasing flood of data. You are looking for ways to extract meaningful information from this data and to be able to report on it efficiently. You are interested in understanding how SAP HANA can help you with your data storage and analysis needs today. You also want to make sure SAP HANA is the right core to future proof your organization in preparation for the information explosion coming with the expansion of the Internet of Things.

You are interested in upgrading your current system landscape to a next generation solution. You are particularly interested in the new S/4HANA suite and want to understand the scope of the solution offering and available deployment option.

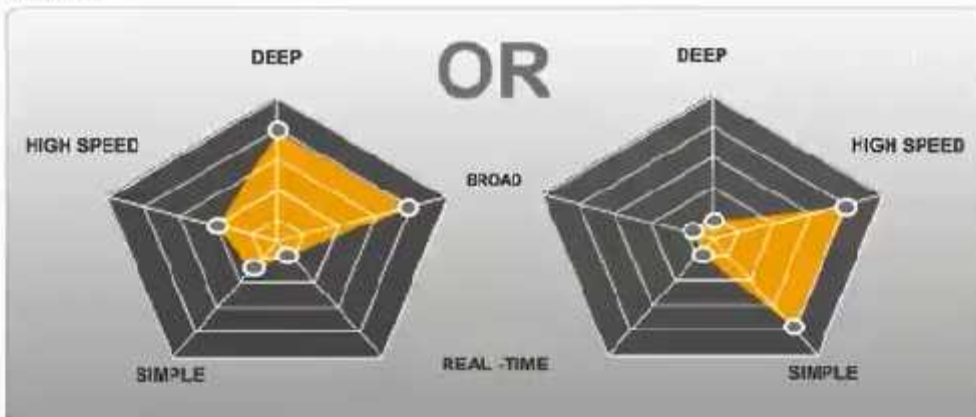
Traditional Database Systems

Historically, database systems were designed to perform well on computer systems with limited RAM. As a consequence, slow disk I/O was the main bottleneck in data throughput. The architecture of those systems was designed with a focus on optimizing disk access, for example by minimizing the number of disk blocks (or pages) to be read into main memory when processing a query.

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Tradeoff - Broad & Deep or Speedy & Simple

With existing technologies, optimizing across all five dimensions in the spider diagram is not possible.



In both scenarios, real time updates are not possible per design; in a data warehouse environment they occur overnight via nightly batch jobs.

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Traditional Model Disadvantages

Sub-Optimal Execution Speed

- Lack of responsiveness
- User frustration
- Unsupportable business processes

Lack of Transparency

- Need for aggregation
- Outdated figures
- Guesstimating

Reactive Business Model

- Missing opportunities
- Competitive disadvantage

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The Vision of SAP HANA

A Common Database Approach for online transaction processing (OLTP) and online analytical processing (OLAP) Using an In-Memory Column Database

Hasso Plattner - Co-founder and Chairman of the Supervisory Board of SAP

Transactions + Analysis + Acceleration
processes separated



- 3 copies of data in different data models
- Inherent data latency
- Poor Innovation leading to wastage

VS

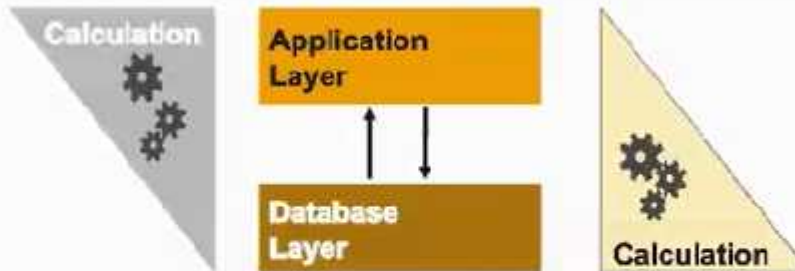
One individual copy of data for
Transactions + Analysis, all in Memory



- Eliminate unnecessary complexity & latency
- Less hardware to manage
- Accelerate through innovation, simplification + in-memory

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Paradigm Shift for Developers



In traditional applications (especially from SAP), the database is largely used as a data store mechanism only. Massive queries bring large amounts of data back to the application server for processing. Lots of application execution time is spent in the application server looping over records and performing exclusions, calculations, etc.

With HANA, the key to the best application performance is pushing as much of the logic execution into the database as possible. We now "trust" the database. Keep all the data intensive logic down in the database as SQL, SQLScript, and HANA Views.

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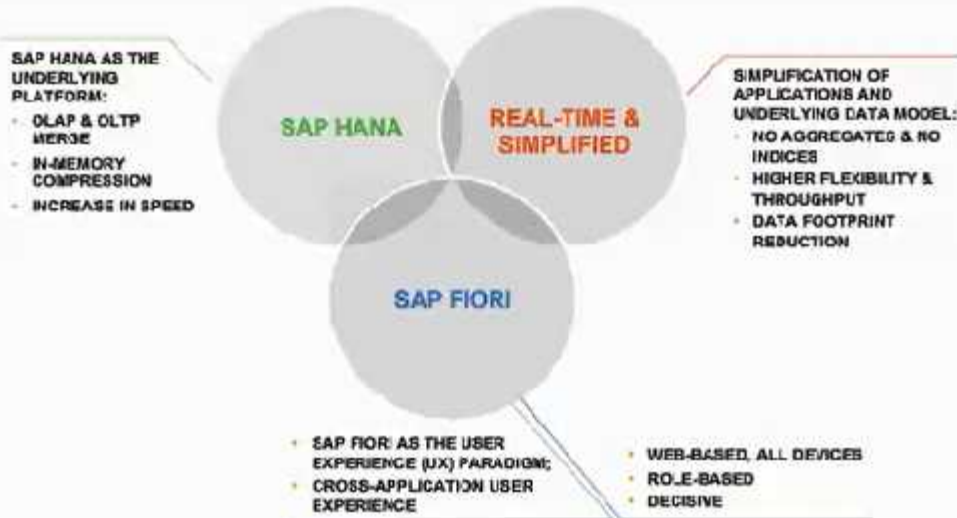
SAP S/4HANA, Next Generation Business Software



- S/4HANA is natively built on SAP HANA for massive simplifications (simplified data model: no indexes, no aggregates, no redundancies)
- S/4HANA is natively designed with SAP Fiori offering an integrated user experience with modern usability (role-based, 3 steps max to get the job done, mobile-first, consistent experience across LoBs)
- S/4HANA is natively built for advanced innovations (e.g. new applications predicting, recommending, simulating / processing of text, geo data, graphs, genomes)
- S/4HANA is natively engineered for providing choice of deployment (on-premise, cloud, hybrid)
- S/4HANA fully leverages the new multi-tenancy functionality enabled by SAP HANA

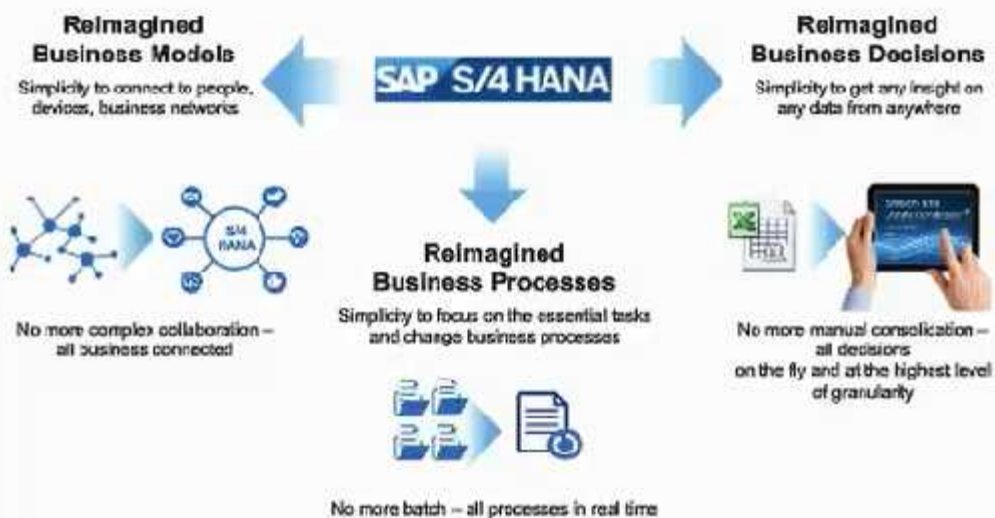
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Key Enablers to Run Digital Transformation



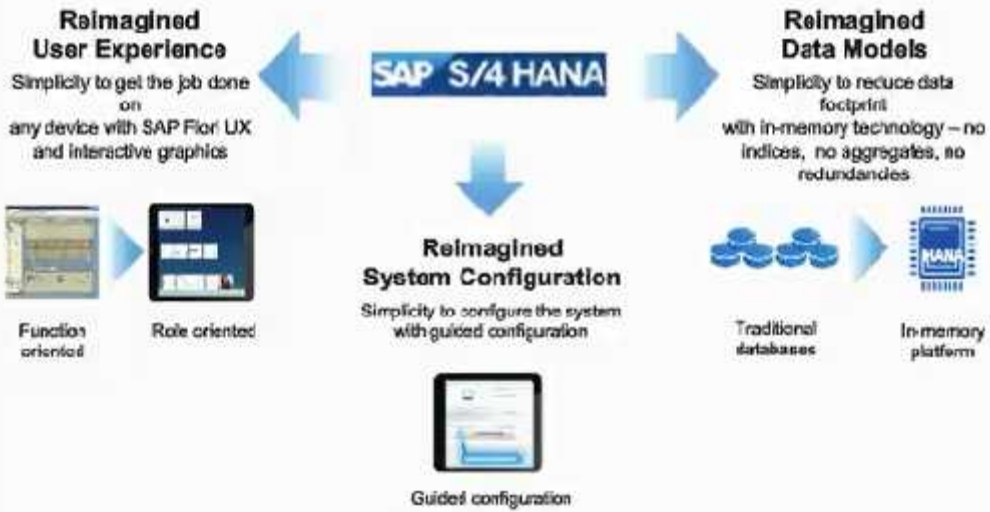
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SAP S/4 HANA Business Value



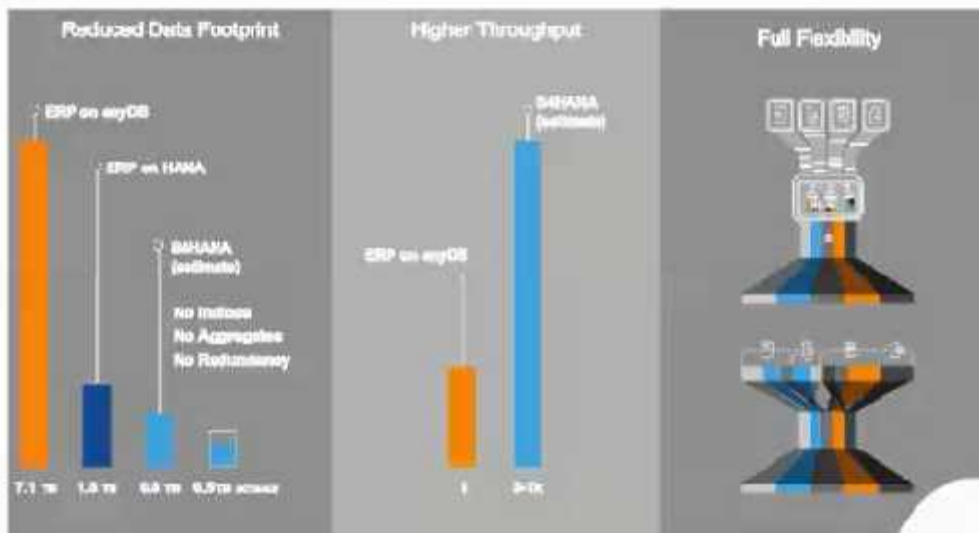
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S4/HANA Value for IT and Users



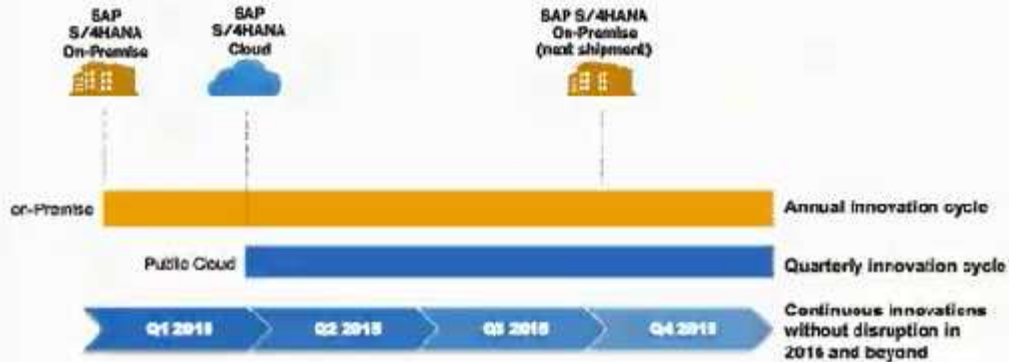
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Technical & business values



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Delivery Roadmap 2015



- Holistic approach across Cloud and on-Premise
- The SAP S/4HANA Suite is now the default solution offered for new customers
- For the cloud, there is a continuous incremental extension of scope planned throughout 2015 with an aggressive roadmap to quickly deliver more business scenarios

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Customer journey to SAP S/4HANA

Choice of deployment

Starting point A



New customer



On-Premise
deploy new installation



Cloud
as no running will be
premise in two days



Hybrid

Starting point B



SAP Business Suite on any DB customer



On-Premise
upgrade to latest S/4H, migrate customer
to SAP HANA, deploy exchange
innovation



Cloud
transfer data to the cloud
no migration



Hybrid

Starting point C



SAP Business Suite powered by SAP HANA customer



On-Premise
deploy exchange innovation



Cloud
transfer data to the cloud
no migration



Hybrid

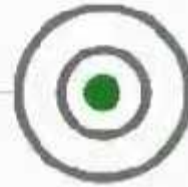
SAP S/4 HANA

Supported by predefined migration, system conversion in the cloud and deployment packages from partners and SAP

Innovation without disruption

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Learning Summary



You should now be able to:

- Explain the common pain points in a system using a classic database
- Explain how SAP HANA can provide solutions for these pain points

Agenda

Lesson 1: Introducing SAP HANA and S/4HANA

Lesson 2: Outlining SAP Simple Finance





Lesson 2: Outlining SAP Simple Finance



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Learning Objective



After completing this lesson, you will be able to:

- Explain common problems finance teams are facing
- Provide an overview of the functionality and benefits of SAP Simple Finance
- Describe the available deployment options for SAP Simple Finance

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Scenario



You are interested in the new SAP HANA technology, especially as refers to the new financial offerings from SAP. You are still unclear on what exactly the offerings include, what infrastructure is involved and the general terminology used.

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Accelerating Pace of Business



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Growing Complexity is a Major Challenge

Scattered data

Constant data movement to meet analytics needs

70%

of analytics effort by IT is preparing data
(IDC, Feb 2013)

Experts required to gather, reconcile financial data

Insufficient speed and detail to diagnose problems

Batch processing

Difficulty keeping up with demand volume

76%

of global companies do not have financial performance data at the ready
(Harvard Business Review, 2014)

Closings and allocations are based on latent data

No error-checking or simulations

Old architecture

More reporting layers for each business change

73%

of executives identify complexity as biggest IT challenge
(Forrester, 2013)

IT must create reporting and interface layers

Cannot try new models or optimize business processes

10.2% or \$237B of profits lost by top 200 global companies due to costs of complexity*

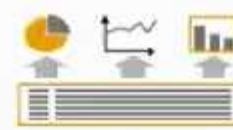
*Global Simplicity Index, 2015

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Instant Insight

“ Instant insight-to-action based on real-time information ”

Single Source of Truth



Real-time Processes



Dynamic Planning and Analysis



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Business Benefits of Instant Insight

“ Much more than *only* faster reporting ”

Higher profitability and higher growth due to more relevant and more timely insight

More organizational alignment and agility due to end user access to insight

Lower cost from manual data reconciliation and report generation

More effective management of working capital and financial risks

More timely and more accurate external reporting

Lower operational risks from fraud and other non-compliance



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Transforming Finance with Instant Insight



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SAP Simple Finance

Instant Insight
in memory-enabled



Intuitive User Experience
all devices



Flexible and Non-disruptive
cloud or on premise



Financial Planning and Analysis

- Develop and Execute Strategy
- Planning, Budgeting and Forecasting
- Profitability and Cost Management
- Monitoring and Reporting

Accounting and Financial Close

- Accounting
- Daily Close
- Corporate Close
- Reporting and Disclosure
- Financial Close Governance

Treasury and Financial Risk Management

- Payments and Bank Communications
- Cash and Liquidity Management
- Debt and Investment Management
- Financial Risk Management
- Commodity Risk Management

Collaborative Finance Operations

- Receivables Management
- Collaborative Invoicing to Pay
- Travel Management
- Real Estate Management
- Financial Shared Services

Enterprise Risk and Compliance

- Enterprise Risk Management
- Controls and Compliance Management
- Access Governance
- International Trade Management
- Fraud Management
- Audit Management

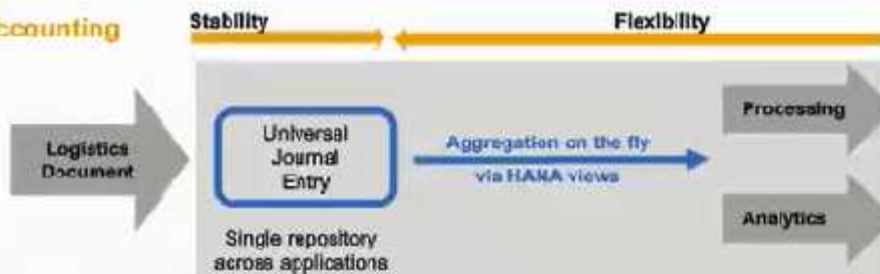
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Indexes and Totals vs Document Level Financials

SAP ERP



SAP Accounting



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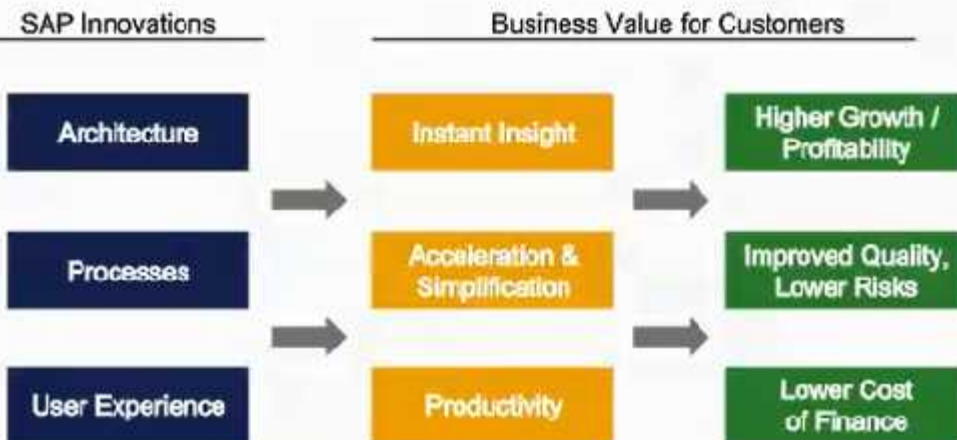
Simple Finance DB Footprint Reduction



Benefits for both Cloud and On Premise

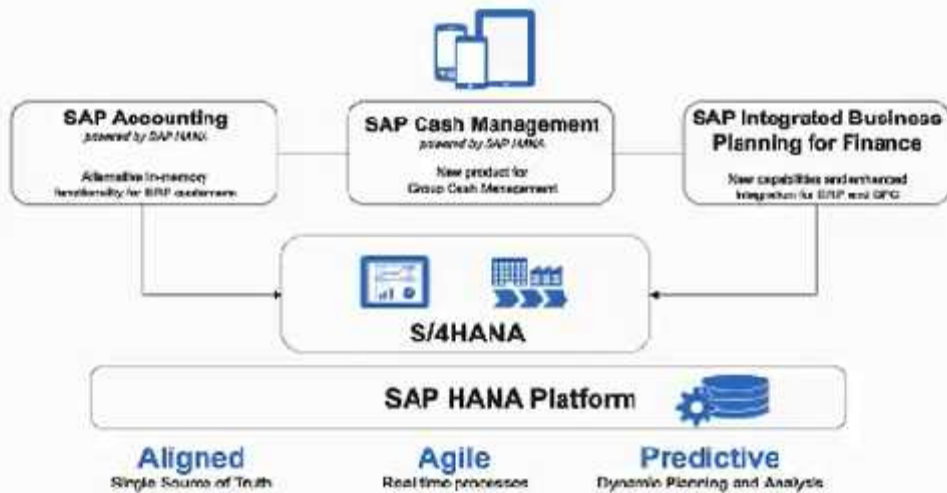
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Business Value



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Key Innovations within SAP Simple Finance



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Impact of SAP HANA on Finance: Simpler and Faster

“Personalized information for end users with granular drill down”

Business Intelligence



Web Financial
Statement
Web Journal Entry
Analyzer
SAF Analysis for Office
SAP Lumira
SAP Business Explorer
SAP Design Studio

Renewed Managerial Roles



Chief Financial Officer
Financial close
manager
Cash manager
Receivables manager
Payables manager
Finance for managers

Renewed Transactional Roles



General ledger accountant
Accounts receivable
accountant
Accounts payable
accountant
Collections specialist
Dispute specialist

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Adoption Scenarios for Simple Finance (existing Customers)

Option 1: Upgrade and Migrate (all instances)



Option 2: Upgrade, Migrate and Consolidate (reduce number of instances)



Option 3: Replicate into a Central Finance System (and optionally reduce number of instances over the time)



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Licensing options for SAP Simple Finance



SAP Simple Finance for HEC

Standardized solution packages in managed cloud with one simplified subscription price for licenses, infrastructure and application management along the finance value map.



Custom HEC deployment

The SAP HANA Enterprise Cloud offers individually sized infrastructure and application management services as additional, customer specific options to software licenses.



On premise

On premise deployment of Simple Finance. Installation in customer's system landscape and up-front license. SAP will continue to deliver new innovations, leveraging the potential of in-memory technology and new user interfaces.

■ Perpetual / BYOL (Bring Your Own License) / Subscription ■ Services

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Typical Questions along the journey



Related SAP Links

Where	What	Link
SAP.com	Help Page for SAP Simple Finance On-Premise Edition 1503	http://www.sap.com/solution/ob/finance/software/cloud-erp-finance-management/index.html
SAP.com	Customer Adoption Journey Map	simplefinance.sapjourneymap.com

Summary

You should now able to:

- Explain common problems finance teams are facing
- Provide an overview of the functionality and benefits of SAP Simple Finance
- Describe the available deployment options for SAP Simple Finance

Related SAP Links

Where	What	Link
SAP Service Marketplace	Hybrid Scenarios	http://service.sap.com/public/hybrid
SAP.COM	Help Page for SAP Simple Finance Add-On	http://www.sap.com/solution/lob/finance/software/cloud-erp-finance-management/index.html

Summary

You should now able to:

- Explain the problems finance teams are facing
- Provide an overview of the functionality and benefits of SAP Simple Finance



Unit 2: Overview of SAP Cash Management powered by SAP HANA

Agenda

Outlining the Functions of SAP Cash Management powered by SAP HANA



Providing a technical overview of Cash Management powered by SAP HANA

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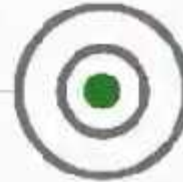


Lesson 1: Outlining the Functions of SAP Cash Management powered by SAP HANA

SAP

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Learning Objective



After completing this lesson, you will be able to:

- Understand the position of SAP Cash Management powered by SAP HANA in the overall Treasury solution map of SAP
- Understand the main functions and business values of this product
- Understand the main features of Cash Operations
- Understand the main features of Bank Account Management
- Understand the main features of Liquidity Management

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Scenario

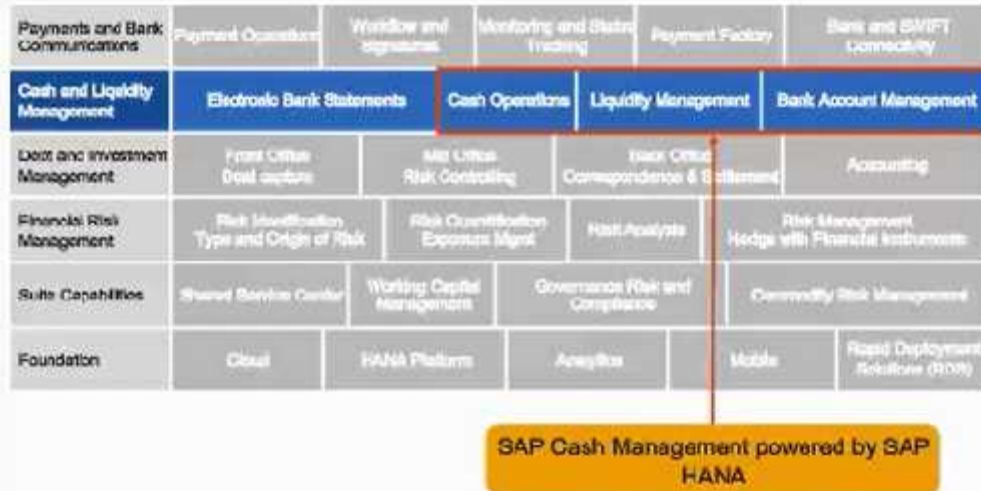


You are interested in the solution of SAP Cash Management powered by SAP HANA, you want to get an overview of the functions and features that can help the company run better in Cash Management area.

You are particularly interested in understanding what benefits you can gain from implementing the SAP Cash Management powered by SAP HANA in your SAP ERP system.

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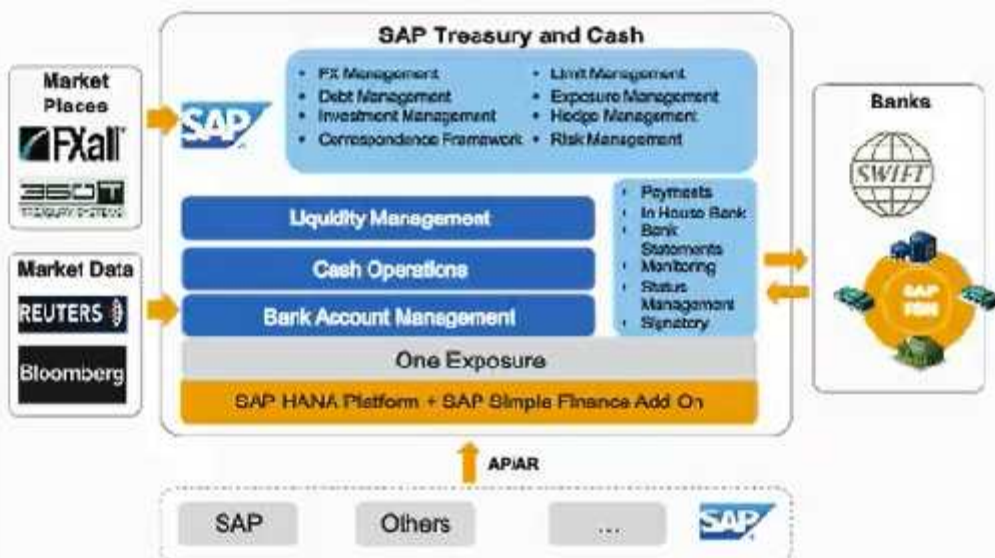
End-to-End Treasury and Risk Management Treasury Solution Map



Treasury Solution Map, Edrice 2014

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Integrated Treasury and Cash Platform



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SAP Cash Management powered by SAP HANA

Instant Insight
on SAP HANA



Intuitive User
Experience
all devices



Flexible and
Non-disruptive
cloud or on premise

SAP Cash Management powered by SAP HANA

Centralized
Bank
Account
Management

Daily Cash
Operations
and Cash
Position

Liquidity
Forecast

Cash Flow
Analysis

Rolling
Liquidity
Planning

SAP Accounting powered
by SAP HANA

Integrated Business
Planning

Simple Finance Add-On for SAP Business Suite powered by SAP HANA



Business Suite on HANA

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SAP Cash Management powered by SAP HANA: Benefits

- **Bank Account Management**
 - Centralized Bank Account Management
 - Better Lifecycle Management for Bank Accounts
 - Master Data Fully Charged by Business Users
- **Cash Operations**
 - Short Term Cash Positions Analysis
 - Make and Track Bank Transfers
- **Liquidity Management**
 - Mid and Long Term Liquidity Forecast
 - Actual Cash Flow Analysis
 - Embedded Rolling Liquidity Planning and Variance Analysis
- New Fiori (HTML5) user interface, and KPI cockpit – SAP Smart Business for Cash Management
- Integrated with FI, TRM, BCM (Bank Communication Management) and IHC (In-House Cash).



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Function Overview of Bank Account Management



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Centralized Bank Account Management

- Plenty of attributes reflecting controls on both bank and company sides
- Bank Account standard hierarchy and free style group
- Signatory Integrated with BCM Payment Approval
- Approval process for Bank Accounts Opening, Changing and Closing activities
- Bank Accounts Review process
- Upload and Download Bank Accounts
- Bank Account Management Life

Function Overview of Cash Operations



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Cash Operations

- Cash Operations for the day to day management of the corporates working capital
- Monitoring status of Incoming bank statements
- Preparing a daily forecast of cash receipts, disbursements and expected closing balances
- Overseeing bank risk
- Initiating bank transfers and payments
- Approving and monitoring payments

Function Overview of Liquidity Management



Liquidity Management

- Complete lifecycle management of Rolling Liquidity Planning
- System provides reference data to help Cash Manager to plan the liquidity precisely and easily
- Functionality to plan hedging of operating activities for foreign currencies
- Plan/Plan, Plan/Forecast and Plan/Actual comparisons
- Overview suspicious plans
- Liquidity Forecast
- Cash Flow Analysis

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List of Transactional and Analytical Fiori apps and Others

Bank Account Management:

- Manage Bank Accounts (Webdynpro)
- My Sent Requests (Webdynpro)
- My Bank Account Worklist (Webdynpro)
- Maintain Signatory (Webdynpro)
- Initiate Review Process (Webdynpro)
- Monitor Review Status (Webdynpro)
- Create Bank (HTMLGUI)
- Change Bank (HTMLGUI)
- Manage House Banks (Transactional)
- Bank (Factsheet)
- House Bank (Factsheet)
- House Bank Account (Factsheet)

Cash Operations:

- Bank Statement Monitor (Analytical)
- Cash Position (Analytical)
- Cash Position Details (Transactional)
- Analyze Payment Details (Transactional)
- Make Bank Transfer (Transactional)
- Track Bank Transfers (Transactional)
- Approve Bank Payments (Transactional)
- Bank Risk (Analytical)
- Payment Statistics (Analytical)

Liquidity Management:

- Develop Liquidity Plans (Transactional)
- Liquidity Plans (Analytical)
- Liquidity Forecast (Analytical)
- Cash Flow (Analytical)

You can find detailed information of Fiori and Smart Business apps in following URL:

<https://go.sap.com/kya>

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Cash Management Options

Comparison old and new

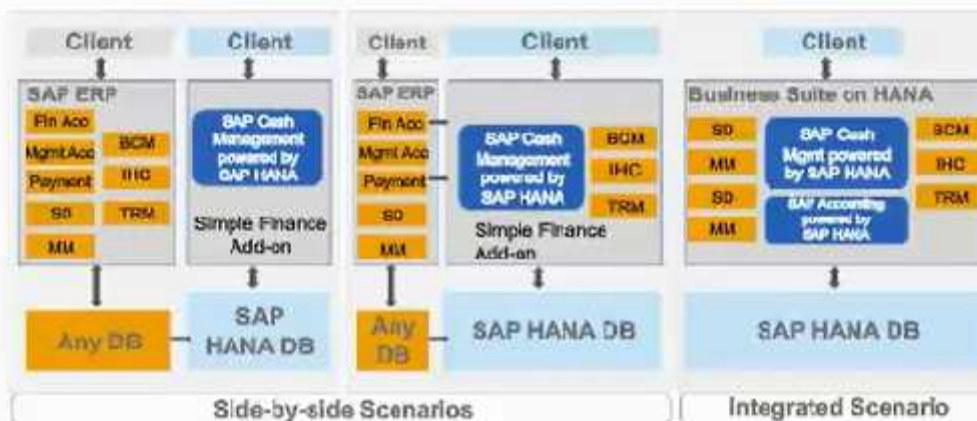
	SAP Cash Management powered by SAP HANA	ERP based Cash Management
Bank Account Management	Centralized Bank Account Management	No Solution
Cash Position and Liquidity Forecast*	Cash Position Smart Business Cash Position Details Analyze Payment Details Liquidity Forecast: Smart Business Bank Risk *Liquidity Forecast for professionals will be delivered in future release	FF7A, FF7B
Actual Cash Flow Analysis	Cash Flow Analysis for professionals	Liquidity Planner
Rolling Liquidity Planning	Develop Liquidity Plans Liquidity Plans	Liquidity Planner
Memo Record**	Enhanced FF63 with House Bank, Bank Account and Liquidity Item **The Fiori App for Memo Records will be delivered in future release	FF63
Transfer Cash	Make Bank Transfer Track Bank Transfer	FRFT_B, F111

You can find detailed information in Release Scope Note 2149337:

<https://ces.wdf.sap.corp/sap/support/notes/2149337>

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Deployment Options for SAP Cash Management powered by SAP HANA



Accelerated Analysis and Detailed Insights

Extended Functionality through Integration of Single Processes

Full Integration of Business Suite on SAP HANA

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Related SAP Links

Where	What	Link
SAP Service Marketplace	Note 2117481 Release Information Note: SAP Simple Finance add-on 2.0 for SAP Business Suite powered by SAP HANA	https://csa.wdf.sap.corp/sap/support/notes/2117481
SAP Service Marketplace	Note 2117719 Release Information Note: SAP Fiori for the SAP Simple Finance add-on 2.0 for SAP Business Suite powered by SAP HANA	https://csa.wdf.sap.corp/sap/support/notes/2117719
SAP Service Marketplace	Configuration Guide for SAP Cash Management	http://service.sap.com/erp/inst -> SAP ERP Add-Ons -> SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA -> SAP Simple Finance Add-On 2.0
SAP Service Marketplace	Data Setup Guide for SAP Cash Management powered by SAP HANA	Same as above
SAP Service Marketplace	Note 2149337 Release Scope Information - SAP Cash Management powered by SAP HANA 2.0	https://csa.wdf.sap.corp/sap/support/notes/2149337

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Summary

You should now be able to:

- Describe overview of SAP Cash Management powered by SAP HANA
- Describe basic functions of Cash Operations
- Describe basic functions of Bank Account Management
- Describe basic functions of Liquidity Management

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Agenda

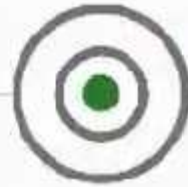
Outlining the Functions of SAP Cash Management powered by SAP HANA

Providing a technical overview of Cash Management powered by SAP HANA



Lesson 2: Providing a technical overview of Cash Management powered by SAP HANA

Learning Objective



After completing this lesson, you will be able to:

- Understand the technical components and architecture of SAP Cash Management powered by SAP HANA
- Understand how to enable end users with the new user interface of Fiori and Smart Business
- Understand Roles and Authorization Objects to finish the customizing work, and for end users

Scenario



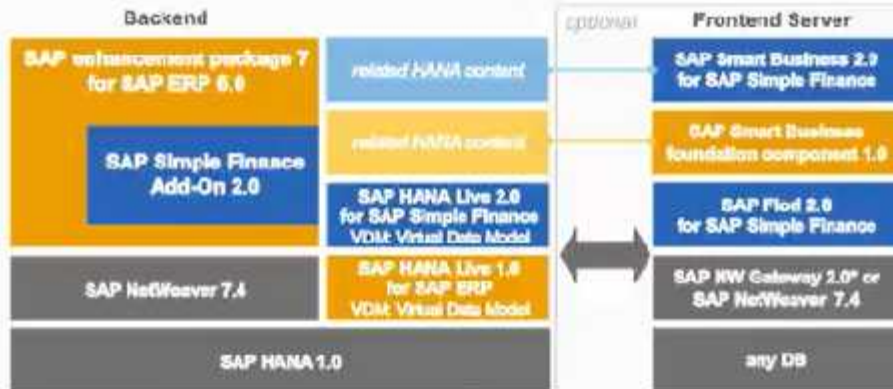
You are interested in the technical relevant information of SAP Cash Management powered by SAP HANA, including technical and software components required, frontend UI technology, BW and BPC content, and some other topics.

SAP Simple Finance Add-On 2.0

Related Product Versions

SAP Simple Finance comprises 4 software products:

1. SAP Simple Finance add-on 2.0 based on EhP 7 for SAP ERP 6.0, SAP NetWeaver 7.4 and SAP HANA 1.0
2. SAP HANA Live 2.0 for SAP Simple Finance based on SAP HANA Live 1.0 for SAP ERP and SAP HANA 1.0
3. SAP Fiori 2.0 for SAP Simple Finance based on SAP NetWeaver Gateway 2.0 or SAP NetWeaver 7.4
4. SAP Smart Business 2.0 for SAP Simple Finance based on the SAP Smart Business foundation component 1.0



* Requires in addition: UI add-on 1.0 for SAP enhancement package 3 for SAP NetWeaver 7.0 (Integration Services: AI)

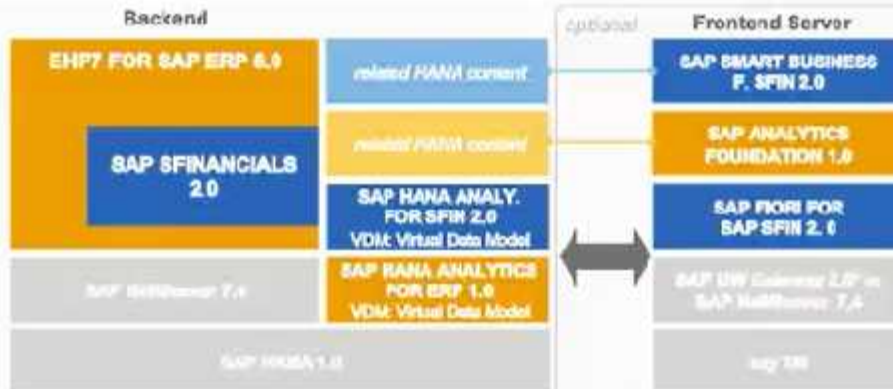
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SAP Simple Finance Add-On 2.0

Related Product Versions - Technical Names

SAP Simple Finance comprises 4 software products:

1. SAP SFINANCIALS 2.0 based on **EHP7 FOR SAP ERP 6.0**, SAP NetWeaver 7.4 and SAP HANA 1.0
2. **SAP HANA ANALY FOR SFIN 2.0** based on **SAP HANA ANALYTICS FOR ERP 1.0** and SAP HANA 1.0
3. **SAP FIORI FOR SAP SFIN 2.0** based on SAP NetWeaver Gateway 2.0 or SAP NetWeaver 7.4
4. **SAP SMART BUSINESS F. SFIN 2.0** based on the **SAP ANALYTICS FOUNDATION 1.0**



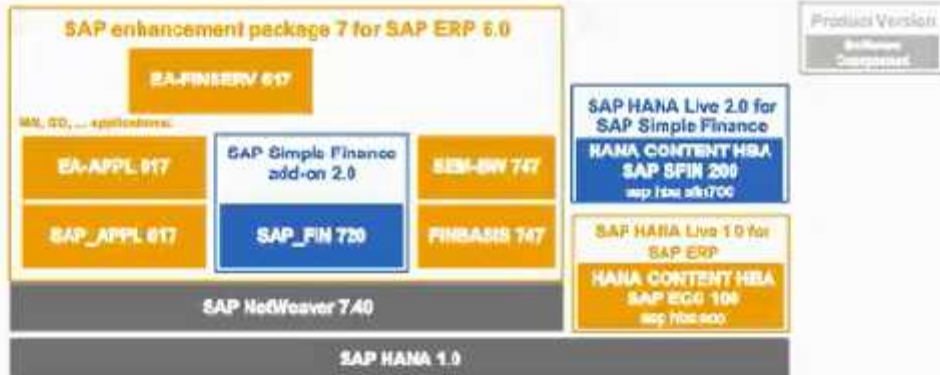
* Requires in addition: UI add-on 1.0 for SAP enhancement package 3 for SAP NetWeaver 7.0 (Integration Services: AI)

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SAP Simple Finance Add-On 2.0

Related Software Component Versions – Backend

- New software components for FIN were introduced with EhP7 (817) → as structural preparation for a codeline split
- FIN development packages were reassigned to new software components SAP_FIN, EA-FIN, FSCM_CCD etc.
- APPL and FIN remain co-deployed and have strictly synchronized support package stacks
- As of release 2.0 SAP_FIN 720 is the main software component of the SAP Simple Finance add-on; the content of software components EA-FIN and FSCM_CCD was retrofitted into SAP_FIN 720 – only for technical reasons EA-FIN, FSCM_CCD are temporarily kept as empty containers

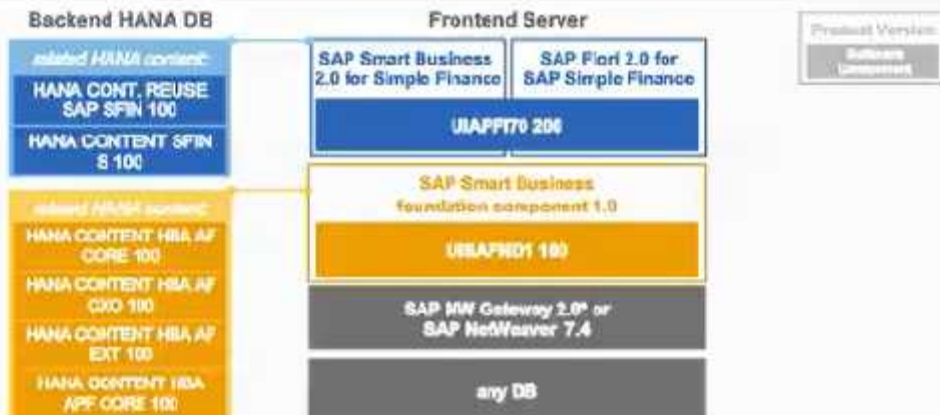


Unmodified stack – not all SAP EhP7 for SAP ERP 6.0 components shown
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SAP Simple Finance Add-On 2.0

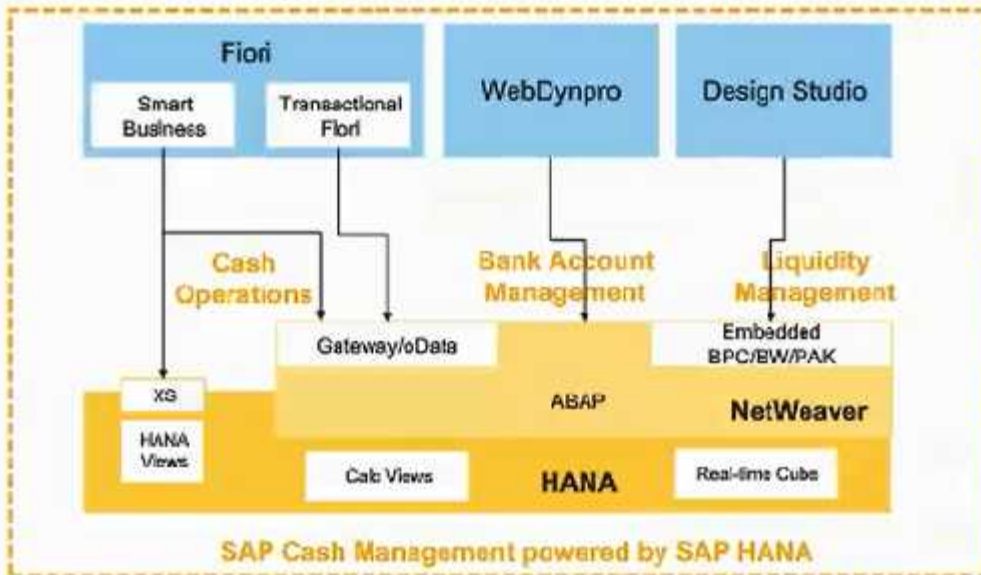
Related Software Component Versions – Frontend Server

- As of release 2.0 all SAP Simple Finance Fiori and Smart Business apps are provided with UIAPF70 200
- The content of software components UIFSCM70 and UIHSFIN1 was retrofitted into UIAPF70
- SAP Smart Business requires 6 HANA content packages to be deployed to the backend's HANA database



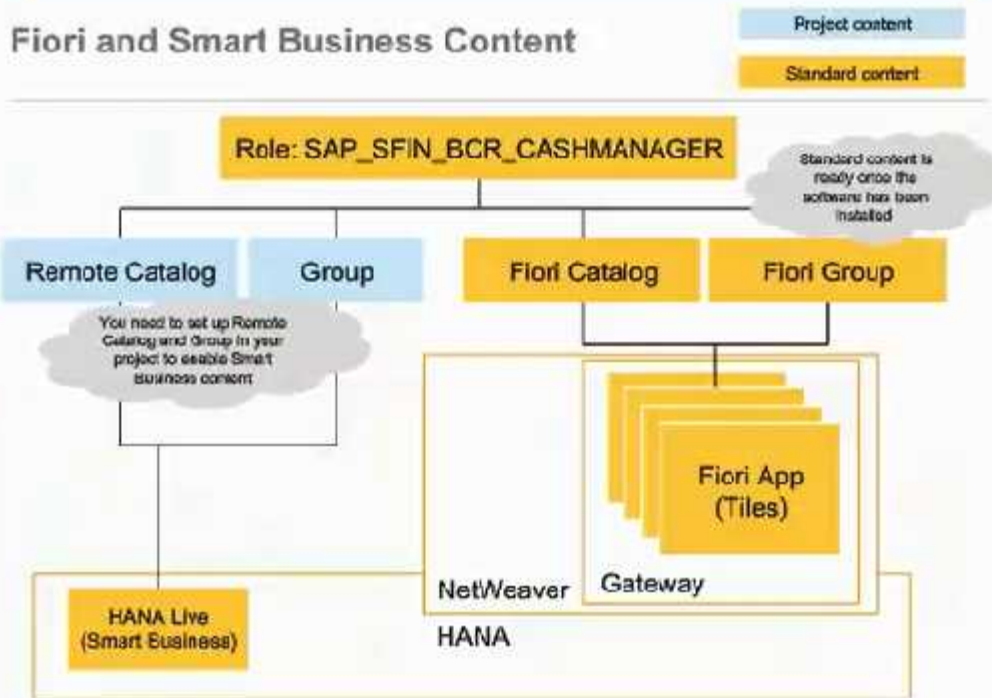
* Requires in addition: UI add-on 1.0 for SAP enhancement package 3 for SAP NetWeaver 7.0 (Integration Services: 40)
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Architecture of SAP Cash Management powered by SAP HANA



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Fiori and Smart Business Content



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Fiori and Smart Business Tools

Fiori Launchpad Designer

Manage Catalogs, Groups, and Fiori App Tiles. You use the tool to create, modify, or view the Catalog and Group content (including the Catalog and Group for Smart Business apps), or define or modify the tile definition of Fiori apps.

[Fiori Launchpad Designer help doc \(https://go.sap.com/fldhelp\)](https://go.sap.com/fldhelp)

Smart Business KPI Modeler

Define Smart Business KPIs and drill down. You may see Smart Business apps as a special kind of Fiori apps. You use this tool to define the KPI definition, including drilldown dimensions, key figures, views, chart type, and so on.

[Smart Business KPI Modeler help doc \(https://go.sap.com/sbmkipihelp\)](https://go.sap.com/sbmkipihelp)

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Smart Business: Personalization

Besides the configuration tool mentioned previously to be used by consultants, end users may further personalize his/her tiles.

Example: Group cash manager would like to create a new Cash Position app which monitor the cash position of Germany only, so that the cash manager of Germany subsidiary could only see the data he/she is responsible for.



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oData / Gateway / XS Content

App	oData	Easy Query
Smart Business Cash Position	PERP_FCLM_MP05_CASH_POS_SRV	N/A
Smart Business Bank Statement Import Status	BANKSTATEMENTIMPORTFORI_4_SR	N/A
Smart Business Bank Risk	PERP_FCLM_MP05_BANK_RISK_SRV	N/A
Smart Business Liquidity Forecast	PERP_FCLM_MP05_LQ_FORECAST	ERP_FCLM_MP05_00011
Smart Business Payment Statistics (XS Engine)	/sap/riba/r/rfr700/odata/cashPaymentsStatistic.s.xsodata	N/A
Flori App: Cash Position Details	CASH_DISPOSITION_SRV	N/A
Flori App: Analyze Payment Details	FCLM_CP_PAYMENTDETAIL_SRV	N/A
Flori App: Make Bank Transfer	CPGLM_BANK_TRANSFER_SRV PERP_FCLM_BTBAL_SRV	N/A
Flori App: Track Bank Transfer	DFCLM_CP_TRACK_SRV	N/A
Flori App: Approve Bank Payment	FAP_BANKPAYMENTAPPROVAL	N/A
Flori App: My Bank Account Wizard	FCLM_BAM_SRV	N/A

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Introduction of oData Services

Odata (Open Data Protocol) is a standardized protocol built over existing HTTP and REST (Representational_state_transfer) protocols supporting CRUD (Create, Read, Update, Delete) operations for creating and consuming data application programming interfaces (APIs).

The OData metadata, is a machine-readable description of the data model of the APIs that enables the creation of powerful generic client proxies and tools.

Odata services are defined using a common data model. The service advertises its concrete data model in a machine-readable form, allowing generic clients to interact with the service in a well-defined way.

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Activate oData Services

Execute the TA:IWFND/MAINT_SERVICE in the gateway system



Activate HTTP Services in SICF

BAM WebDynpro services (sap/bc/webdynpro/sap)

- WDA_FCLM_BAM_ACC_MASTER
- WDA_FCLM_BAM_ACC_REVIEW
- WDA_FCLM_BAM_ADAPT_SIGN
- WDA_FCLM_BAM_BANK_DATA
- WDA_FCLM_BAM_CHGREQ
- WDA_FCLM_BAM_HIERARCHY
- WDA_FCLM_BAM_HIER_BP
- WDA_FCLM_BAM_HIER_MAINTAIN
- WDA_FCLM_BAM_MASS_CHANGE
- WDA_FCLM_BAM_REVIEW_REPORT
- WDA_FCLM_UPLOAD_DOWNLOAD
- WDA_FCLM_REPORT

Workflow services (sap/bc/webdynpro/sap)

- ibo_wda_inbox
- swf_formabsenc
- swf_workplace

- UCT_DISPLAY_DOCUMENT
- UCT_DISPLAY_INBOX
- UCT_DISPLAY_SIGNOFF
- UCT_DISPLAY_STATUS_CHANGE
- USMD_CREQUEST_PROTOCOL2
- USMD_SSW_RULE
- USMD_WF_NAVIGATION

POWL services (sap/bc/webdynpro/sap)

- POWL
- POWL_COLLECTOR
- powl_composite
- POWL_EASY
- POWL_ERRCRPAGE
- POWL_MASTER_QUERY
- POWL_PERS_COMP

Business Function to be activated in SFW5

Business Function **FIN_FSCM_CLM** has to be switched on (via tcode SFW5), in order to use SAP Cash Management powered by SAP HANA. And Business Function **FIN_FSCM_CLM** is reversible.

Name	Description	Released To	Sts.	Released	File	Software Component	Obj.
FIN_FSCM_BCRN_CCR	Bank Consolidation Control for	System Fin.	01	01	01	SAP_FIN	004
FIN_FSCM_BI	Bank Bill (Bank) Interface	System Fin.	01	01	01	SAP_FIN	002
FIN_FSCM_BI_2	Bank Bill (Bank) Interface 2	System Fin.	01	01	01	SAP_FIN	003
FIN_FSCM_BM	Bank Correspondent Management	System Fin.	01	01	01	SAP_FIN	004
FIN_FSCM_CCD	FI/CO Functions	System Fin.	01	01	01	FI/CO_C02	002
FIN_FSCM_CCD_2	FI/CO Functions 2	System Fin.	01	01	01	FI/CO_C02	003
FIN_FSCM_CCD_3	FI/CO Functions 3	System Fin.	01	01	01	FI/CO_C02	004
FIN_FSCM_CCD_PDFM_WDCH	FI/CO Functions	System Fin.	01	01	01	SAP_FIN	005
FIN_FSCM_CCD_PDFM_WDCH_2	FI/CO Functions 2	System Fin.	01	01	01	SAP_FIN	006
FIN_FSCM_CLM	SAP Cash Management powered by SAP HANA	System Fin.	01	01	01	SAP_FIN	007
FIN_FSCM_CLM_2	FI/CO Functions	System Fin.	01	01	01	SAP_FIN	008
FIN_FSCM_CLM_3	FI/CO Functions 2	System Fin.	01	01	01	FI/CO_C02	005
FIN_FSCM_CLM_4	FI/CO Functions 3	System Fin.	01	01	01	SAP_FIN	009
FIN_Q_010_000_000_000	FI Q (New): Change in Liability Valuation (Auto)	System Fin.	01	01	01	SAP_FIN	010
FIN_Q_01_01	New General Ledger Accounting	System Fin.	01	01	01	SAP_FIN	011
FIN_Q_01_02	New General Ledger Accounting 2	System Fin.	01	01	01	SAP_FIN	012
FIN_Q_01_03	New General Ledger Accounting 3	System Fin.	01	01	01	SAP_FIN	013
FIN_Q_01_04_000_000	Integration of bank cash flow with SAP Liquid	System Fin.	01	01	01	SAP_FIN	014
FIN_Q_01_01_000_000_000	FI Q (New): Transfer of Totals and Single Documents	System Fin.	01	01	01	SAP_FIN	015
FIN_Q_01_01_000_000_000_000	Bank Correspondent Management	System Fin.	01	01	01	SAP_FIN	016
FIN_Q_01_01_000_000_000_000_000	Bank Correspondent Management 2	System Fin.	01	01	01	SAP_FIN	017
FIN_Q_01_01_000_000_000_000_000_000	New Currency Accounting (New)	System Fin.	01	01	01	SAP_FIN	018
FIN_Q_01_01_000_000_000_000_000_000_000	FI Q (New): FI/CO Bank Reconciliation and Seg.	System Fin.	01	01	01	SAP_FIN	019
FIN_Q_01_01_000_000_000_000_000_000_000_000	FI Q (New): Segment Reporting (New)	System Fin.	01	01	01	SAP_FIN	020

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End User Roles

PFCG Role for NWBC Menu: This role provides a sample on how you could provide NWBC Menu and necessary authorization objects to end users, mainly for Bank Account Management

- PFCG role: SAP_SFIN_CASH_MANAGER

Fiori Backend Roles: authorization role only

- PFCG role: SAP_FIN_BANKTRANS_APP: Make Bank Transfer
- PFCG role: SAP_FIN_TRANSTRACK_APP: Track Bank Transfer
- PFCG role: SAP_FIN_ANALYZEPOS_APP: Cash Position Details
- PFCG role: SAP_FIN_PAYDETAIL_APP: Analyze Payment Details
- PFCG role: SAP_FIN_APPROVEBANKPAY_APP: Approve Bank Payments

Fiori Frontend Roles: This role provides a sample on how you could group cash-management-related Fiori tiles into Catalog and Group so that the end users could have those tiles in their Fiori Launchpad.

- PFCG role: SAP_SFIN_BCR_CASHMANAGER

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Authorization Objects

Authorization Objects in the "SAP_SFIN_CASH_MANAGER" role

F_CLM_BAM

- Bank Account Management

F_CLM_BAH

- Bank Hierarchy

F_CLM_UP

- Bank Account Management: upload

F_FDSB_BUK

- Company Code in Cash Position Details

F_CLM_UP

- Authorization for Import and Export Bank Accounts

F_FEBS_BUK

- Company Code Bank Statement

F_BNKA_MAN

- Banks: General Maintenance Authorization

B_BUPR_BZT

- Business Partner Relationships: Relationship Categories

B_BUPA_RLT

- Business Partner: BP Roles

S_RS_AO

- Analysis Office: Authority Object

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Configuration Roles

Smart Business configuration Role, including HANA Authorization

- PFCG role: /UI2/SAP_KPIFRW5_TCR_S
- PFCG role: /UI2/SAP_KPIMOD_TCR_S
- HANA role: sap.hba.r.sb.core.roles::SAP_SMART_BUSINESS_MODELER (only necessary for KPI Modeler)
- HANA role: sap.hba.r.sb.core.roles::SAP_SMART_BUSINESS_RUNTIME

Configuring Authorization for Fiori

- [Help document \(https://go.sap.com/fiori/authorizationhelp\)](https://go.sap.com/fiori/authorizationhelp)

Gateway / oData / Easy Query Configuration

- Authorization to create customizing requests

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HANA Live Authorization (for Payment Statistics)

HANA Authorization

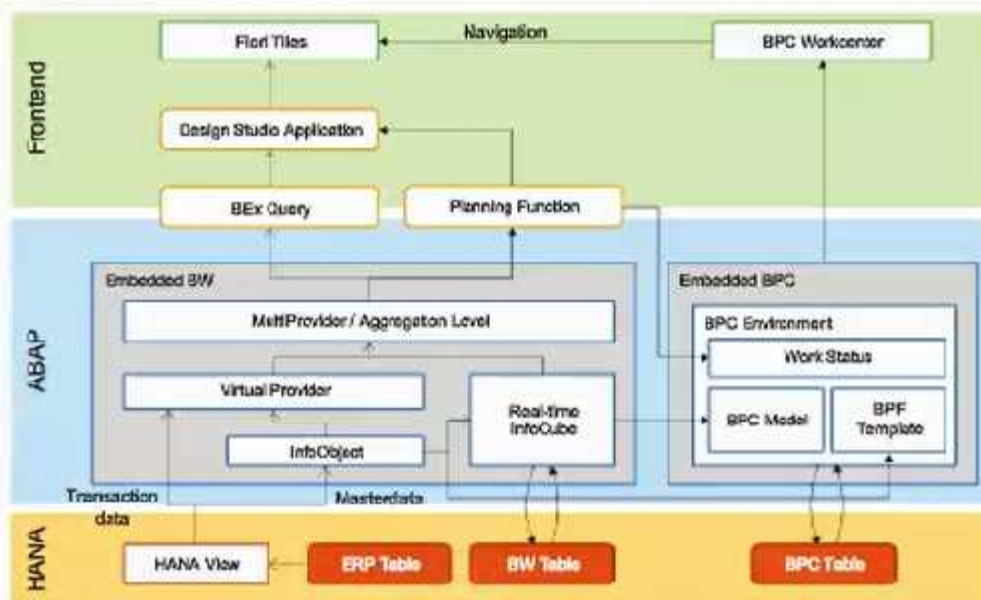
- HANA role: sap.hba.r.sfn700.roles::SapSmartBusinessCashManager

VDM Privilege

- F_REGU_BUK Automatic Payment: Activity Authorization for Company Codes
- F_STAT_MON Bank Relationship: Status Monitor authorizations

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BPC-PAK Planning Architecture



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Activate BW Content



- All the BW content needed for planning and reporting in Cash Management area will be activated with this BI Content Bundle
- BPC content (e.g. BFF template) is not included in this BI Content Bundle. BPC content shall be installed manually as separate step → see next slide

Install BW content

- T-code: **BSANLY_BI_ACTIVATION**
- Switch Business Category to "03 – Business Functions" and find out Content Bundle **FIN_CLM_PLANNING**
- Click Activate button to start the BW content activation
- SAP recommends to activate all BW content in central BI client

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Design Studio Templates

Specific Design Studio templates for Liquidity Management apps:

- OFCLM_MLP_AGGVIEW
- OFCLM_MLP_DISPLAY
- OFCLM_MLP_INPUT
- OFCLM_MLP_REVIEW
- OFCLM_MLP_STATUS
- OFCLM_ALP_PCUR
- OFCLM_ALP_BY_LQITEM_PCUR
- OFCLM_ALP_BY_LQITEM_ACUR
- OFCLM_ALP_ACUR
- OFCLM_ALP_BY_ALERT_OVERVIEW

Will be installed automatically when you activate BW content via BI Content Bundle with t-code **BSANLY_BI_ACTIVATION** (see in previous slide)

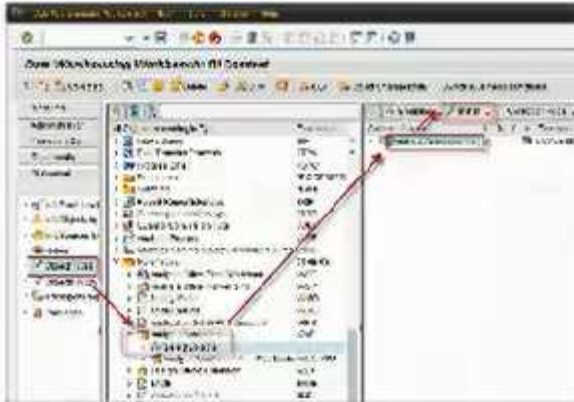
Generic Design Studio templates for Cash Flow Analysis:

- QANALYSIS

Not covered in BI Content Bundle! Need to be installed manually (see in next slide)

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Manually Install Generic Design Studio Template 0ANALYSIS

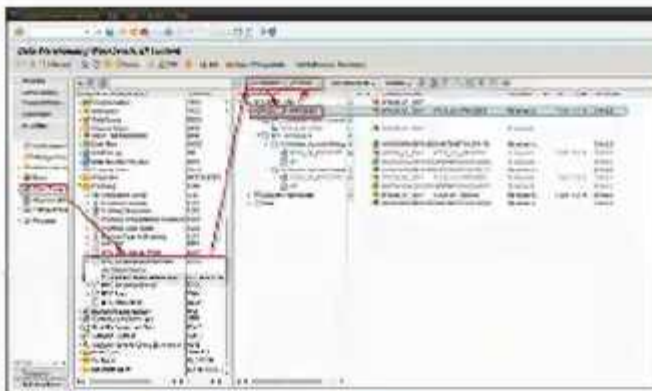


Install BW content

- T-code: RSCR
- Choose "Object Type" in the left panel, choose "More Types">"Analysis Application">"Select Objects" in the middle panel, and then select 0ANALYSIS in the popup window
- Mark on the object in the right panel and then choose "Install"

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Install BPC Content



- Choose Grouping as "Dataflow before and afterwards"
- Right click on the root node and choose "Install all Below"
- Click "Install"
- Prerequisite: Activate Planning Unit Hierarchy

Install BPC related content in RSOR

BPC Content	Technical Name
Embedded Environment	0FCM_UP_ENV
Embedded Model	0FCM_UP_MODEL
BPF	0FCM_UP_PROCESS
Workspace	0FCM_UP_ENVRoot 0FCM_UP_ENVPublic 0FCM_UP_ENVPrivate

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Summary

You should now able to:

- Describe the technical components and architecture of SAP Cash Management powered by SAP HANA
- Describe how to enable end users with the new user interface of Fiori and Smart Business
- Describe Roles and Authorization Objects to finish the customizing work, and for end users

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Unit 3: Bank Account Management

SAP

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Agenda

Using Bank Account Management



Customizing Bank Account Management

Setting up data for Bank Account Management

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Lesson 1: Using Bank Account Management

SAP

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Learning Objective



After completing this lesson, you will be able to:

- Understand the business context of Bank Account Management
- Understand the functional features of Bank Account Management

Scenario



You are interested in the detailed functions in Bank Account Management.

Function Overview of Bank Account Management



Centralized Bank Account Management

- Plenty of attributes reflecting controls on both bank and company sides
- Bank Account standard hierarchy and free style group
- Signatory Integrated with BCM Payment Approval
- Approval process for Bank Accounts Opening, Changing and Closing activities
- Bank Accounts Review process
- Upload and Download Bank Accounts
- Bank Account Management Life

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1. Bank and Bank Account Hierarchy

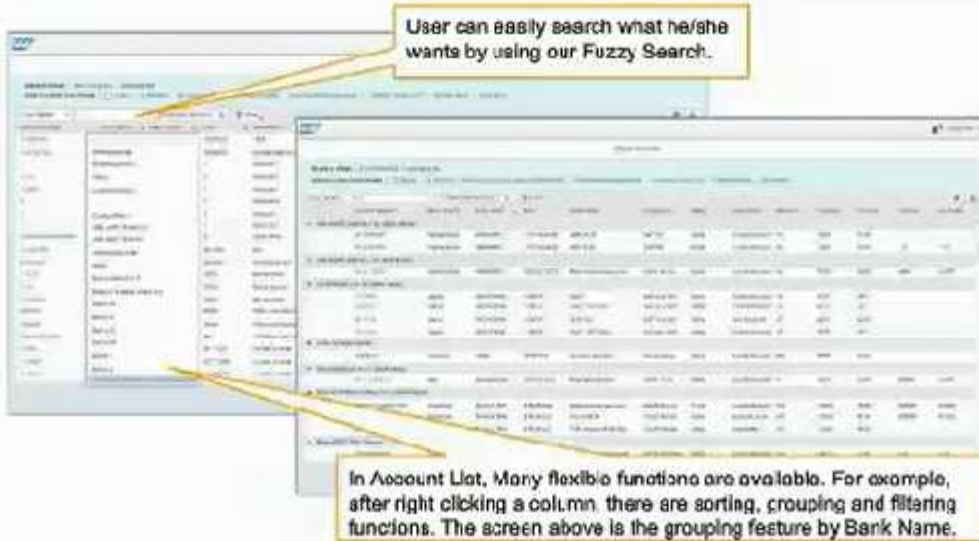
Account Name	Balance	Other Details
Bank
Bank of America
Checking
Savings
Wells Fargo
Checking
Savings
Chase
Checking
Savings

Standard Bank and Bank Account Hierarchy

- Well-structured of all house banks and house bank accounts
- Easy and fast search functionalities
- Central work station to maintain and manage banks and bank accounts

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2. Fuzzy Search



User can easily search what he/she wants by using our Fuzzy Search.

In Account List, Many flexible functions are available. For example, after right clicking a column, there are sorting, grouping and filtering functions. The screen above is the grouping feature by Bank Name.

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3. Bank Account Group (Free Style)



Free Style Bank Account Group

- Define bank account group according to individual's requirements
- Easily create and maintain bank account group
- Authorization control for public or personal usage
- Cash pool can be created upon bank account group

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4. New Bank Account Master Data



New Bank Account Master Data

- General Data: status, details of entity, account and banks, bank statement data, payment data, and contact persons inside and outside
- Payment Signatories
- Overdraft Limits
- Connectivity Path
- Additional Data
- Customer Defined Fields
- Attachment

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4. New Bank Account Master Data – Connectivity Path



ID Categories:

1. Central System: House Bank Account: Link the bank account to a house bank account that exists in the central system
2. Remote System: House Bank Account: Link the bank account to a house bank account that exists in a remote SAP Business Suite system
3. Remote System: G/L Account: Link the bank account to a G/L account that exists in a remote SAP Business Suite system
4. Others: Link the bank account to an account record in a non-SAP system

Connectivity Path

- Connectivity path enables you to link a bank account to its corresponding house bank account in the central system where SAP Cash Management powered by SAP HANA is installed, or to account records in remote SAP or non-SAP systems.
- There are four types of ID Categories for different uses.

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5. Overdraft Limits



The screenshot shows the SAP configuration screen for Overdraft Limits. It includes a header with the text 'Overdraft Limits' and a table with columns for 'Currency', 'Valid Period', and 'Limit'. The table is currently empty.

Overdraft Limits

- Maximum credit allowed by the bank on a particular overdraft account
- Define overdraft limits per currency and valid period
- Bank account level overdraft limits
- Overdraft limits information is shown in Cash Position Details App

6. Payment Signatures



The screenshot shows the SAP configuration screen for Payment Signatures. It includes a header with the text 'Payment Signatures' and a table with columns for 'Approver', 'Approval Limits', and 'Approval Process'. The table contains one row with data.

Payment Signatures

- Define approval limits per approver
- Support single and joint sign
- Support sequential and non-sequential sign
- Integrated with Bank Communication Management Approval process
- Integrated with Fiori App Approve Bank Payments

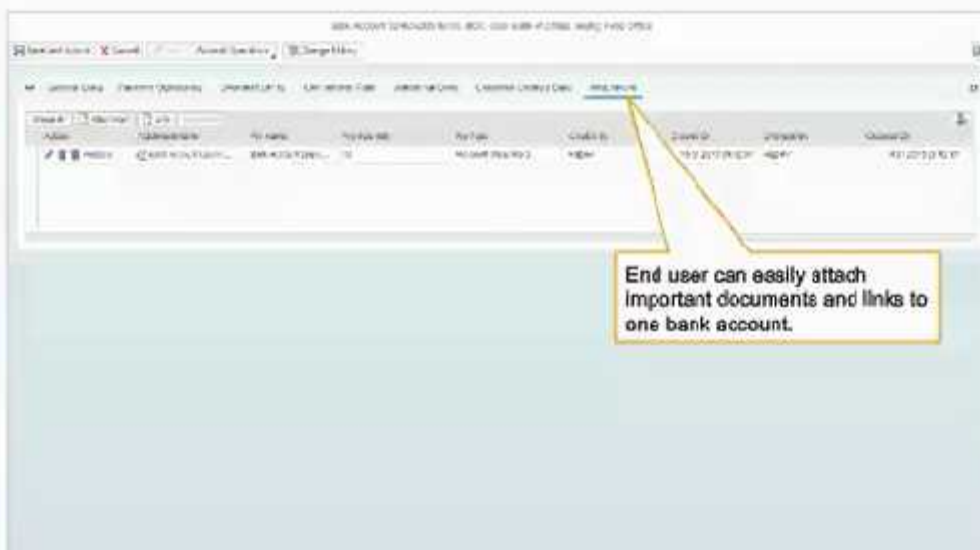
6. Payment Signatures Integration with Bank Communication Management

The payment signatories can be used to replace the complex release strategy in BCM. Following scenarios are supported:

1. Single Sign (1 person sign) and Joint Sign (2 or more than 2 persons sign) in a Bank Account are possible; Some customers for example in Russia can have more than 2 Joint Sign situations;
2. Different signers can have different signing amount threshold and all signers can receive the work items once the current amount in payment is under their limits;
3. In one sign group there can be more than one signers to approve a same payment in a Bank Account, for instance, a signer is on leave, other persons can help on his/her tasks, the process will not be on hold;
4. Signers can be grouped into different business groups and can have some constraints for signing logic between groups;
5. Different Bank Accounts can have different signatories and signing logics even in a same company based on account type. For example, Salary Accounts can have different signatories and signing logic with Operational Accounts in daily business.
6. Valid From and Valid To on Signatory, with attributes 'Valid From' and 'Valid To' on Signatory, if a signer is going to leave his/her current position and a new signer is going to take over the sign task, it is possible to set 'Valid To' of the old signer as his/her deadline on his old position and set 'Valid From' of the new signer as his/her starting time on his new position. Then the approval logics are only activated at the available time;
7. If payment approval is not required for automatic payment in BCM, payment signatures defined in bank account master data don't function if payment meets the criteria defined in rule.

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7. Attachments

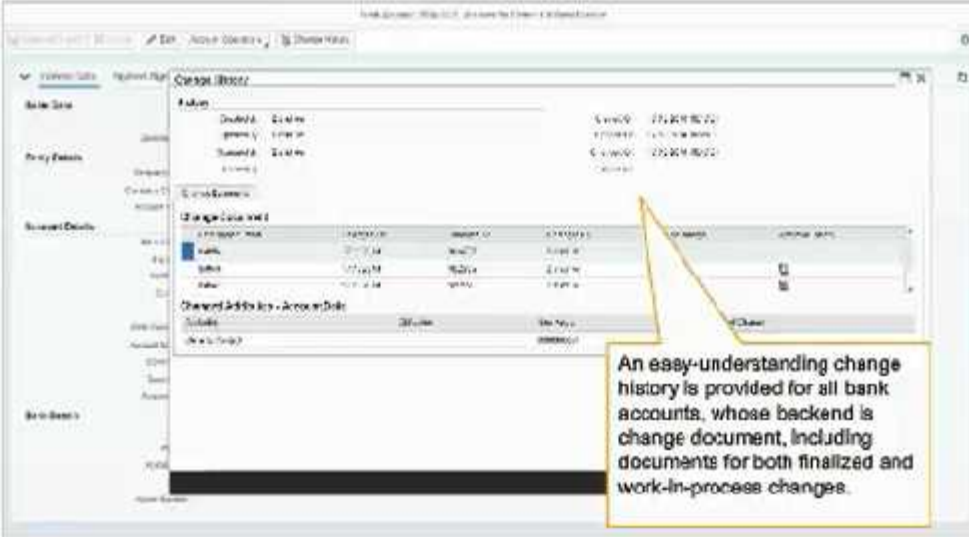


The screenshot displays the SAP Bank Account Master Data interface. The 'Attachments' tab is selected, showing a table of attachments. A callout box points to the 'Attachments' tab and a row in the table, indicating that users can attach documents and links to bank accounts.

Attachment ID	Description	File Name	File Size	Created By	Created At	Updated At
1	Attachment 1	Attachment 1	10000000	ADMIN	10.10.2015 10:00	10.10.2015 10:00

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8. Change History

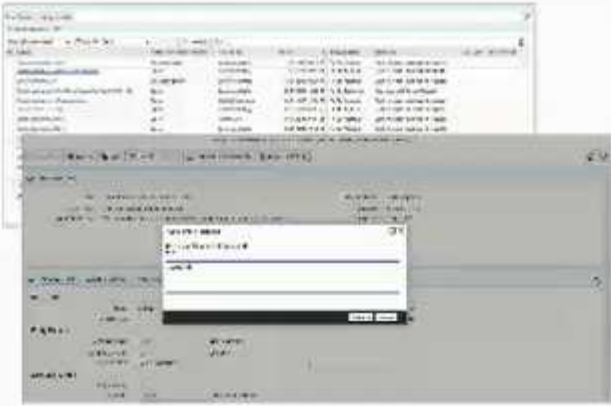


The screenshot shows the SAP Bank Account Change History interface. It features a left-hand navigation pane with sections like 'Basic Data', 'Party Details', 'Account Details', and 'Bank Details'. The main area displays a 'Change History' table with columns for 'Change Date and Time', 'Change User', 'Change Reason', 'Change Type', and 'Change Status'. A yellow callout box points to the table with the following text:

An easy-understanding change history is provided for all bank accounts, whose backend is change document, including documents for both finalized and work-in-process changes.

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9. Workflow for Bank Account



The screenshot displays the SAP Bank Account Workflow interface. It shows a list of bank accounts with columns for 'Bank Account', 'Bank Name', 'Bank Address', 'Bank City', 'Bank Country', and 'Bank Status'. A 'Workflow' column is also visible. A 'Workflow' dialog box is open, showing a 'Workflow' field with a dropdown menu and a 'Start' button.

Workflow of Bank Account:

- Opening, changing and closing approval
- Sensitive attributes change approval
- Mass signatory change approval
- Bank account review processes approval

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9. Workflow for Bank Account: Open New Bank Account

Request > Approve > Open in the bank > IT configuration

Subsidiary Cash Manager requests to open a bank account, with business reasons attached.

Group Cash Manager reviews the request, compares with the existing bank accounts, and decide to approve or reject the request.

Bank Relationship Manager negotiates with the bank on the contract, gets the bank account opened in the bank, and fills in all the detailed information of the account.

IT consultant makes necessary configurations in the system, to really enable the bank account into the payment and bank statement processes.

Bank Account Management (BAM) in SAP Cash Management powered by SAP HANA leverages SAP's NetWeaver Workflow to standardize the process and link all involved people together.

9. Workflow for Bank Account: Nice Tools for Approver

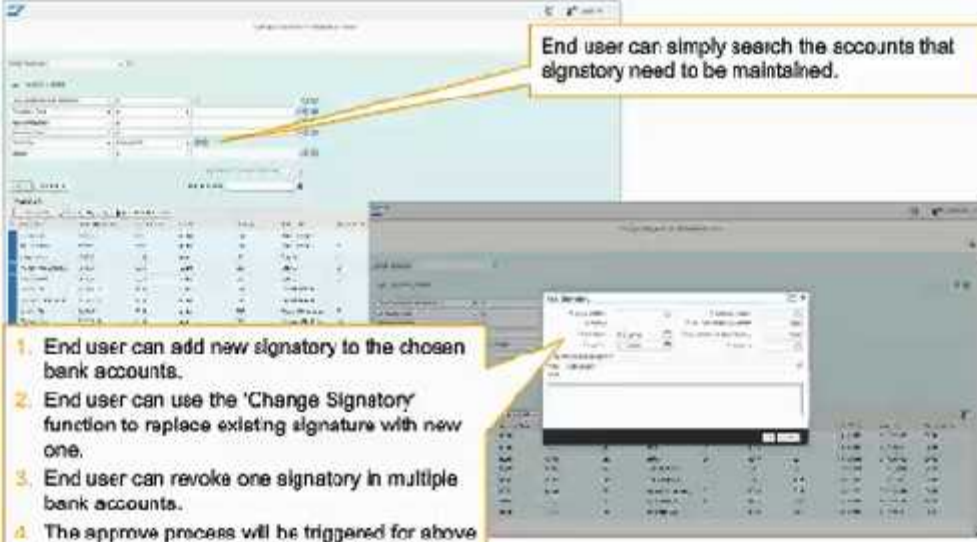


Easy to understand change history in change request



In request, approver can easily check existing bank accounts to avoid duplicated accounts

9. Workflow for Bank Account: Mass signatory change approval



End user can simply search the accounts that signatory need to be maintained.

1. End user can add new signatory to the chosen bank accounts.
2. End user can use the 'Change Signatory' function to replace existing signature with new one.
3. End user can revoke one signatory in multiple bank accounts.
4. The approve process will be triggered for above processes if the signatory fields are sensitive.

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10. Bank Account Review Process



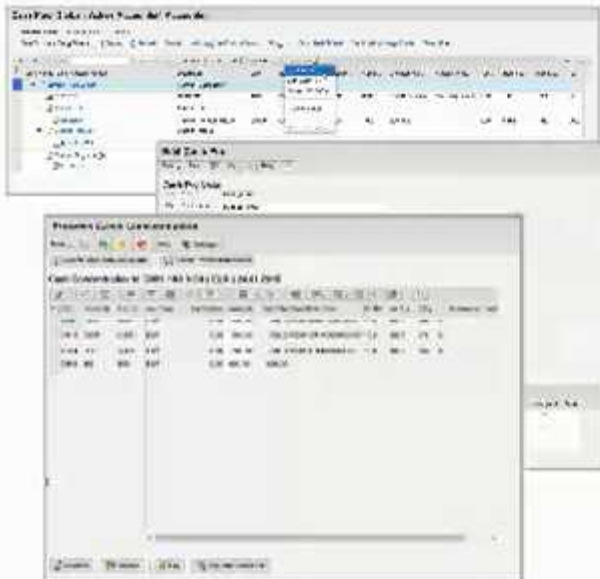
Cash Manager triggers the bank accounts review process. Then the review request will be sent to the contact person who is maintained in the bank account.

Cash Manager can easily get the review completed rate using the BankAccount Review Status Monitor.

SY	DATE	TIME	MESSAGE	TYPE	STATUS	REASON	REVIEWED	REVIEWED DATE	REVIEWED BY
01	2015-10-15	10:00	Bank Account Review	INFO	00				
02	2015-10-15	10:01	Bank Account Review	INFO	01				
03	2015-10-15	10:02	Bank Account Review	INFO	02				
04	2015-10-15	10:03	Bank Account Review	INFO	03				
05	2015-10-15	10:04	Bank Account Review	INFO	04				
06	2015-10-15	10:05	Bank Account Review	INFO	05				
07	2015-10-15	10:06	Bank Account Review	INFO	06				
08	2015-10-15	10:07	Bank Account Review	INFO	07				
09	2015-10-15	10:08	Bank Account Review	INFO	08				
10	2015-10-15	10:09	Bank Account Review	INFO	09				

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11. Cash Pooling



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Cash Pooling

- Cash pool is created from bank account group, which is in charge of business user
- When concentrating cash, end user can easily check bank account balance before concentration and simulated balance after concentration
- Limitations: although cash pool can be created/edited at any time, once a bank account group has been used to create one cash pool, future change to bank account group (like add/remove bank account) won't impact the cash pool create/dlt/concentration. This will be improved in next SP.

12. Upload and Download Bank Accounts



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Upload and Download Bank Accounts

- Upload bank accounts from external systems or spread sheet to Cash Management system
- Download bank accounts into XML file for mass editing
- XSD based validation and customers can adjust validation logic per their own requirements
- Extensibility to support customer defined fields

Bank Account Management Lite (BAM Lite)

BAM Lite is a basic version of Bank Account Management, for customers without the license of SAP Cash Management powered by SAP HANA, it provides:

Attributes include account holder, internal contact persons, and house bank account related settings on bank accounts

No workflow-based bank account processes

Replaces transaction FI12 for Accounting customers

- Define house banks: Use the new transaction FI12_HBANK
- Define house bank accounts: You can do so by editing the bank account master data, on the Connectivity Path tab.

Please find more detailed information in SAP Help Portal at <http://help.sap.com/sfin200> -> SAP Library -> SAP ERP Central Component -> Accounting -> SAP Simple Finance Add-On -> SAP Financial Supply Chain Management (FIN-FSCM) -> Bank Account Management Lite

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Summary

You should now able to:

- Describe the business context of Bank Account Management
- Describe the functional features of Bank Account Management

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Agenda

Using Bank Account Management

Customizing Bank Account Management



Setting up data for Bank Account Management

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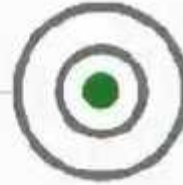


Lesson 2: Customizing Bank Account Management

SAP

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Learning Objective



After completing this lesson, you will be able to:

- Understand configuration of Bank Account Management
- Understand workflow of Bank Account Management
- Understand authorization settings of Bank Account Management

Scenario



You are interested in the customizing, workflow and authorizations in Bank Account Management.

BAM Configuration – Basic Settings 1/8

Define Settings for Bank Account Master Data

IMG Path: SAP Customizing Implementation Guide -> Financial Supply Chain Management -> Cash and Liquidity Management -> Bank Account Management -> Basic Settings

1. Bank Account Master Data Setting:

- Assign Change Request Number Range group number
- Assign Bank Account Technical IDs Number Range Group Number: Technical ID is internal key to represent the bank account

Change View "Bank Account Master Data Setting": Details

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BAM Configuration – Basic Settings 2/8

Define Settings for Bank Account Master Data

2. Account Type Definition:

- Direction: Specifies whether the cash movements in accounts with this bank account type are incoming, outgoing, or can be either of the two directions.
- Attribute: Specifies whether the bank account is an operating account or a functional account.

Change View "Account Type Definition": Overview

Type	Name	Direction	Attribute
1	AMT01 400000	1 (Incoming)	1 (Operating)
2	AMT02 400000	2 (Outgoing)	1 (Operating)
3	AMT03 400000	3 (Both)	1 (Operating)
4	AMT04 400000	1 (Incoming)	2 (Functional)
5	AMT05 400000	2 (Outgoing)	2 (Functional)
6	AMT06 400000	3 (Both)	2 (Functional)
7	AMT07 400000	1 (Incoming)	3 (Special)
8	AMT08 400000	2 (Outgoing)	3 (Special)
9	AMT09 400000	3 (Both)	3 (Special)

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BAM Configuration – Basic Settings 3/8

Define Settings for Bank Account Master Data

3. Sensitive Fields for Modification Process:

- The fields maintained here are the very important and sensitive attributes on bank account master data, and changing these attributes will trigger the change workflow.

Change View "Sensitive Fields for Modification Process": Overview

The screenshot shows the SAP Change View interface for 'Sensitive Fields for Modification Process'. On the left, a tree structure lists various configuration options, with 'Sensitive Fields for Modification Process' selected. On the right, a table lists sensitive fields for modification.

Object	Field name	Field Description
BAM Bank Acct...	ACC_MTH	Bank Account Master
BAM Bank Acct...	IBAN	BAM International B...
CIBR Currency	WALRS	Currency Key
OTD Overdra...	AMOUNT	Overdraft Limit Amount
OTD Overdra...	WALRS	Currency Key
STOR Signature...	AMOUNT	Bank Account Master

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BAM Configuration – Basic Settings 4/8

Define Settings for Bank Account Master Data

4. Define Import Method for Bank Statement:

- In the figure you can see examples of the Bank Statement Import Type :

- Import via SWIFT,
- manual Import,
- via CITI Bank

the method is assigned in bank account master data.

Change View "Define Import Methods for Bank Statements": Overview

The screenshot shows the SAP Change View interface for 'Define Import Methods for Bank Statements'. On the left, a tree structure lists various configuration options, with 'Define Import Methods for Bank Statements' selected. On the right, a table lists import methods for bank statements.

Import Method ID	Description
01 SWIFT	Importing via SWIFT Data
02 MANUAL	Manually importing statements
03 CITI	Importing via Citi bank
NO_IMPORT	No recording of the Account

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BAM Configuration – Basic Settings 5/8

Define Settings for Bank Account Master Data

5. Define Signatory Groups:

- A group of signatories who are authorized to approve payments.

Change View "Define Signatory Groups": Overview

New Entries

Dialog Structure

- Bank Account Master Data Setting
- Account Type Definition
- Sensitive Fields for Modification Process
- Define Input Methods for Bank Statements
- Define Signatory Groups
- Define Approval Patterns
 - Maintain Non-Sequential Approval Patterns
- Assign Approval Patterns

Define Signatory Groups

Sig. Grp.	Description
FIN	Finance
GT01	Treasury A
GT02	Treasury B
GT03	Finance A
GT04	Finance B
HR	HR
HR	Human Resources
TR01	Treasury

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BAM Configuration – Basic Settings 6/8

Define Settings for Bank Account Master Data

6. Define Approval Patterns:

- Defines a payment approval workflow by specifying the signatory groups involved and their corresponding approval sequences.
- You can define two types of approval patterns: sequential and non-sequential

Change View "Define Approval Patterns": Overview

New Entries

Dialog Structure

- Bank Account Master Data Setting
- Account Type Definition
- Sensitive Fields for Modification Process
- Define Input Methods for Bank Statements
- Define Signatory Groups
- Define Approval Patterns
 - Maintain Non-Sequential Approval Patterns
- Assign Approval Patterns

Define Approval Patterns

Pattern	Appr. Seq.	Sign. Grp.
PAT1	1. First Step	FIN
PAT2	1. First Step	GT01
PAT3	1. First Step	GT02
PAT4	2. Second Step	GT01
PAT5	1. First Step	TR01
PAT6	2. Second Step	TR01
PAT7	1. First Step	TR01
PAT8	2. Second Step	TR01

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BAM Configuration – Basic Settings 7/8

Define Settings for Bank Account Master Data

7. Maintain Non-Sequential Approval Patterns:

- Define the signatory groups for those non sequential approval patterns.

Pattern	App. Seq.	Seq. GP
2001	1 (Exec. Supp)	=>2001
2002	2 (Secm. Supp)	=>2002
2003	3 (Non-Sequential)	-
2004	4 (Exec. Supp)	=>2001

For non-sequential signatory patterns, the signatory groups approve payments regardless of sequential order.

All signatory groups receive the approval request at the same time. All signatory groups must have one signer to approve the payment, then the payment request can be completed.

For signatory groups under a non-sequential approval pattern, you must specify the sequence value as Non-Sequential.

BAM Configuration – Basic Settings 8/8

Define Settings for Bank Account Master Data

8. Assign Approval Patterns:

- Company Code + Account Type can determine the signatory patterns.

TRC# Type	Pattern	Priority
0001 01	2001	
0004 04	2004	
0003 08	2003	
0003 08	2002	
0003 04	2002	1
0005 10	2003	
0006 10	2002	
0006 10	2001	
0006 14	2002	
0012 10	2002	
0002 08	2002	
0002 04	2002	
0002 10	2002	
0003 10	2002	
0003 14	2002	

Customer can define pattern without entering bank account type or company code.

Priority 1:
Get pattern with specific account type and company code

Priority 2:
Get pattern with company code specified and account type not specified

Priority 3:
Get pattern with account type specified and company code not specified

Priority 4:
Get pattern with neither account type nor company code is specified

BAM Configuration – Workflow Enabling

Enable the Workflow for Bank Account Management

IMG Path: SAP Customizing Implementation Guide -> Financial Supply Chain Management -> Cash and Liquidity Management -> Bank Account Management -> Maintain Event Type Linkage for Triggering Workflow Processes (Transaction Code: SWETYPV)

In order to enable the workflow for Bank Account management process like opening, modification as well as closing etc. an Event Type Linkage entry should be registered.

In SAP standard delivery, a default entry with Object Type 'FCLM_CR' and Receiver Type 'WS74300043' is provided.

If customers need to use a new workflow, then a new entry should be added and activated, the default one should be deactivated.

If customers don't need the workflow for Bank Account Management, they can simply deactivate the linkage here.

Change View "Event Type Linkages": Overview



Object Category	ObjectType	Event	Receiver Type	Type Linka...	Enable as...	Status
BSB Object T...	FCLM_CR	CREATED	WS74300042	-	-	No entries
BSB Object T...	FCLM	CREATED	WS74300043	-	-	No entries
BSB Object T...	FCLM	DELETED	WS74300043	-	-	No entries

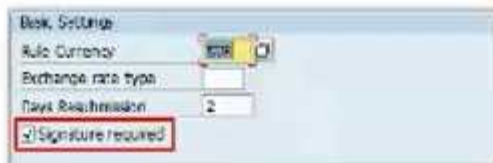
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BAM Configuration – BCM Configuration 1/5


Basic Setting for Approval

IMG Path: Financial Supply Chain Management -> Bank Communication Management -> Basic Setting -> Basic Setting for Approval

- If the check box is marked, the signature popup appears before the payment batch is approved.



Bank Settings

Auto Currency: 

Exchange rate type:

Days Requisition:

Signature required

BAM Configuration – BCM Configuration 2/5

Rule Maintenance

IMG Path: Financial Supply Chain Management -> Bank Communication Management -> Payment grouping -> Rule maintenance

- Define the rules for the kind of grouping the desire for payments
- In the rule details, the priority is numbered, the rule with small number means that the rule is taken into account firstly, and the rule with big number means that the rule is taken later.

The screenshot shows two SAP tables. The top table, titled 'View by Rule Maintenance', lists rules with columns for Rule ID, Priority, and Rule description. The bottom table, titled 'Rule Details', shows fields for Operator, Operator ID, Date, Priority, and various operators and limits. An orange arrow points from the top table to the bottom table, and a callout box points to the Priority field in the bottom table.

Rule ID	Priority	Rule description
ACT01	01	Automatic approval TRF
TRF	02	TRF TRF approval

Operator	Operator ID	Date	Priority	Fac. Operator	Lower Limit	Upper Limit
	0	0000	01	*	TRF/01	TRF/01

Define payment batching rules

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BAM Configuration – BCM Configuration 3/5

Additional Criteria for Payment Grouping

IMG Path: Financial Supply Chain Management -> Bank Communication Management -> Payment grouping -> Additional Criteria for Payment Grouping

- Grping. Field1 must be entered as HKTID and you can choose one more criteria entered into Grping. Field2 for payment grouping

The screenshot shows the 'Change View' for 'Additional criteria for payment grouping'. It features a table with columns for Rule ID, Priority, Grping. Field1, and Grping. Field2. The 'Grping. Field1' column contains the value 'HKTID'.

Rule ID	Priority	Grping. Field1	Grping. Field2
ACT01	01		
TRF	02	HKTID	

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BAM Configuration – BCM Configuration 4/5

Mark Rules for Automatic Payment(No Approval)

IMG Path: Financial Supply Chain Management -> Bank Communication Management -> Release strategy -> Mark Rules for Automatic Payment(No Approval)

- If the rule ID is checked as 'automatic', the practical running of batch merging with skipping the approve process workflow in BCM and signatory approve process in BAM. If the rule ID is not checked as 'automatic', approve process workflow in BCM and signatory approve process in BAM will be triggered

Change View "Rules for automatic payments": Overview

Navigation icons: Home, Back, Forward, Refresh, Print, Search

Select for automatic payments:

Rule ID	Priority	Rule description	Aut. Sign.
ACT01	00	Automatic approval test	<input checked="" type="checkbox"/> <input type="checkbox"/>
ACT02	001	bus step approval	<input type="checkbox"/> <input type="checkbox"/>

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BAM Configuration – BCM Configuration 5/5

Specify Signature Method for Approval Using Simple Signature

IMG Path: Financial Supply Chain Management -> Bank Communication Management -> Release strategy -> Digital Signatures -> Specify Signature Method for Approval Using Simple Signature

- This setup provide user's password verification when perform approval

Change View "Digital Signature: Signature Object": Overview

New Entries: Home, Back, Forward, Refresh, Print, Search

Digital Signature: Signature Object

Object	Sign. Meth.	Com.	Remark Docu...	Verf.
BC_100	Simple Signature (S)	Aut.	Doc	Doc

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BAM Configuration – Enable BCM Payment Approval

Enable Signatory Control

IMG Path: Financial Supply Chain Management -> Cash and Liquidity Management -> Bank Account Management -> Enable Signatory Control

- Choose process (BANK002 and 0BANK004 then enter FM: FCLM_BAM_BCM_AGT_PRESEL and FCLM_BAM_BCM_REL_PROC_CTRL
- For Product, customers can define products in view TBE24

Change View "Process BTE: Customer Enhancem

Process	CTY	AppL	Function Module	Product
BANK002			FCLM_BAM_BCM_AGT_PRESEL	BAN
0BANK004			FCLM_BAM_BCM_REL_PROC_CTRL	BAN

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BAM Configuration – Cash Concentration

Payment Request relevant configurations

IMG Path: Financial Accounting (New) -> Bank Accounting -> Business Transactions -> Payment Transactions

- Cash Concentration creates payment request to process cash transfers
- In following example, user can transfer cash from DB/1001 to DB/ANXI

The screenshot displays three overlapping SAP configuration windows:

- Change View "Acct Transfer: Determine Receiving Bank's Cl":** Shows a table with columns: ClData Issue Id, Country, Pmt Method, Currency, Account Id, Cho Act. A row is highlighted with ClData Issue Id: 1001, Country: DE, Pmt Method: 3, Currency: EUR, Account Id: ANXI, Cho Act: 1.
- Change View "Clearing account for payment":** Shows a table with columns: Current Ccy, Firm (Business). Rows include: 3908 (10150), 3909 (41150), 3900 (34400), 3901 (44550), 3902 (31800), 3903 (34400), 3904 (10150), 3905 (34400), 3906 (34400).
- Change View "Account Determination for G/L Account":** Shows a table with columns: Account Id, Ccy, Inv. T, Set. Sgn, Acct. Char. Id, Sgn. Rows include: 1001 (EUR, 1001, 10150, 10150), 1002 (EUR, 1001, 10150, 10150), 1003 (EUR, 1001, 10150, 10150), 1004 (EUR, 1001, 10150, 10150), 1005 (EUR, 1001, 10150, 10150), 1006 (EUR, 1001, 10150, 10150).

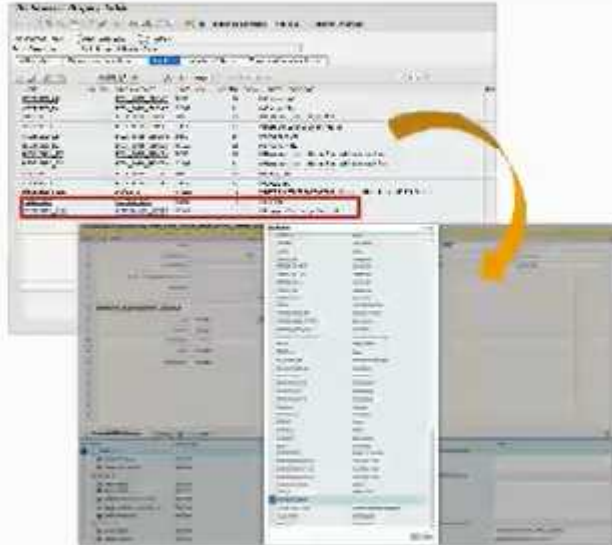
Red arrows point from the 'Change View "Clearing account for payment"' window to the 'Change View "Account Determination for G/L Account"' window, indicating a relationship between the clearing account and the G/L account determination.

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BAM Enhancement – Bank Account Master Data

Bank Account Master Data Enhancement

1. Extend the bank account master data with customer specific fields.
2. Add CI fields to structure FCLM_BAM_AMD by adding user own fields in the structure CI_AMD_EXT.
3. Add CI fields to bank account master data in wobydnpco application configuration mode.



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BAM Enhancement – BAdI Enhancement

BAdI Definition in Spot FCLM_BAM.

Bank Account Management enables the following extensibilities:

1. FCLM_BAM_AMD_ACTIVATION: Notification after a Bank Account is activated. For example, customers can extend the BAdI to create an IT Ticket to notify IT colleagues to create House Bank Accounts after a new bank account is created.
2. FCLM_BAM_AMD_CHECK: Additional Field Checks for Bank Account Master data maintenance.
3. FCLM_BAM_ACC_NUM_MAP: As the length limit of House Bank Account Number, some customers use another field to store the Account Number like 'Alternative acct no.' This BAdI is to specify what is the detail mapping, which can be used when generating Bank Account Number from House Bank Account.
4. FCLM_BAM_AMD_CI_FIELDS: Additional checks for User-Defined fields.

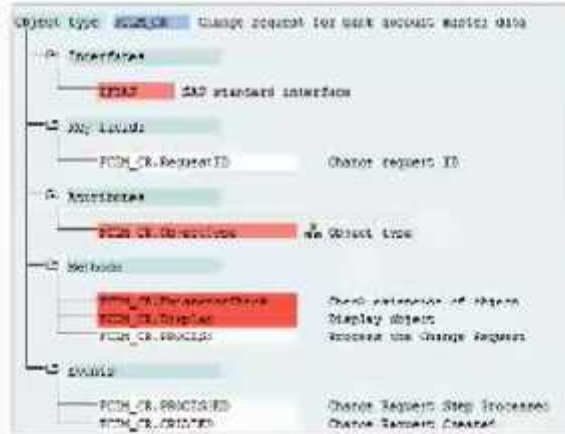
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BAM Standard Workflow

BOR Object FCLM_CR: Change request for bank account master data

Events

- FCLM_CR.CREATED
- FCLM_CR.PROCESSED



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BAM Standard Workflow Delivery

Workflow objects

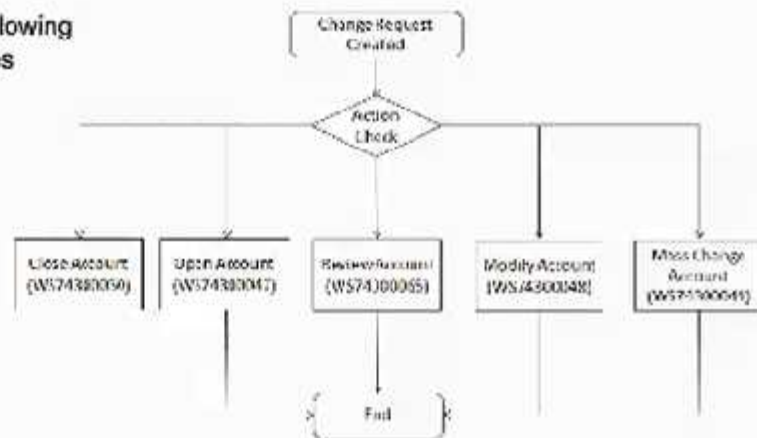
ID	Type	Abbr.	Name
74300047	Standard task	FCLM_DEC	Bank Account Management: Decision
74300043	Workflow template	FCLM_AMD	Bank Account Master Data
74300047	Workflow template	FCLM_AMD_OP	Bank Account Master Data: Open
74300048	Workflow template	FCLM_AMD_MD	Bank Account Master Data: Modify
74300049	Workflow template	FCLM_AMD_MM	Bank Account Master Data: Mass Modify
74300050	Workflow template	FCLM_AMD_CL	Bank Account Master Data: Close
74300065	Workflow template	FCLM_BAM_RV	Bank Account Master Data: Review
74300006	Rule	FCLM_CASHMGR	Cash Manager
74300007	Rule	FCLM_CASHOPER	Cash Operator
74300008	Rule	FCLM_CASHSYSCOLL	System Colleague or Key User

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BAM Standard Workflow Delivery – Overall

Workflow Template – 74300043

Entrance of the following workflow processes



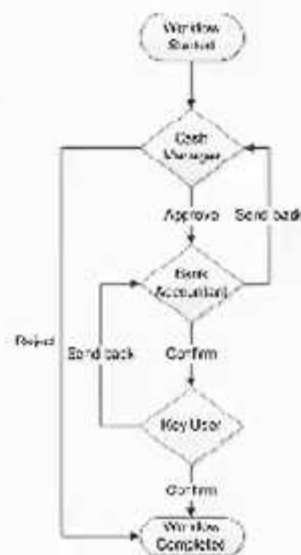
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BAM Standard Workflow Delivery – Open New Bank Account

Workflow Template – 74300047

Three roles in the workflow for opening account:

- Cash Manager
- Bank Accountant
- Key User



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BAM Standard Workflow Delivery – Open New Bank Account Details

Request

Subsidiary Cash Manager requests to open a bank account, with business reasons attached.

Approve

Group Cash Manager reviews the request, compare with the existing bank accounts, and decide to approve or reject the request.

Open in the bank

Bank Accountant negotiates with the bank on the contract, gets the bank account opened in the bank, and fills in all the detailed information of the account.

IT configuration

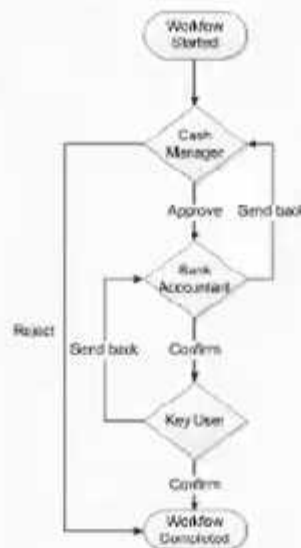
Key User makes necessary configurations in the system, to really enable the bank account into the payment and bank statement processes.

BAM Standard Workflow Delivery – Change Bank Account

Workflow Template - 7430048

Three roles in the workflow for changing account:

- Cash Manager
- Bank Accountant
- Key User



BAM Standard Workflow Delivery – Change Bank Account Details

Request

Subsidiary Cash Manager requests to change a bank account, with business reasons attached.

Approve

Group Cash Manager evaluates the bank account master data and either agrees or disagrees with it.

Change in the bank

Bank Accountant aligns with bank and confirm the bank account changes.

IT configuration

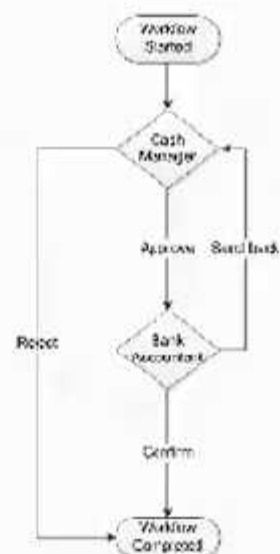
Key User can either check and modify the system configuration and finish the change request or reject the change request.

BAM Standard Workflow Delivery – Mass Change

Workflow Template - 74300049

Two roles in the workflow for mass changing bank accounts:

- Cash Manager
- Bank Accountant



BAM Standard Workflow Delivery – Mass Change Details

Request

Subsidiary Cash Manager requests to mass change bank account, with business reasons attached.

Approve

Group Cash Manager evaluates the bank account master data and either agrees or disagrees with it.

Change in the bank

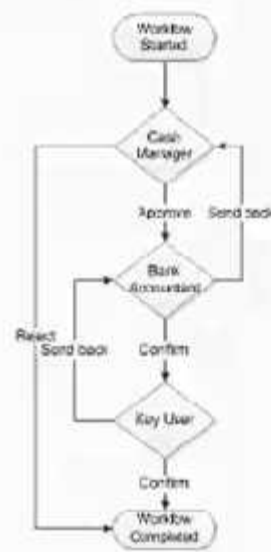
Bank Accountant signs with bank and confirm the bank account changes.

BAM Standard Workflow Delivery – Close Bank Account

Workflow Template - 74300050

Three roles in the workflow for closing account:

- Cash Manager
- Bank Accountant
- Key User



BAM Standard Workflow Delivery – Close Bank Account Details

Request > Approve > Close in the bank > IT configuration

Subsidiary Cash Manager requests to close a bank account, with business reasons attached.

Group Cash Manager evaluates the bank account master data and either agrees or disagrees with it.

Bank Accountant closes the bank account at specific bank. If the bank account is not closed successfully at bank or cash operator thinks there are something wrong with the bank account closing, cash operator can reject the change request.

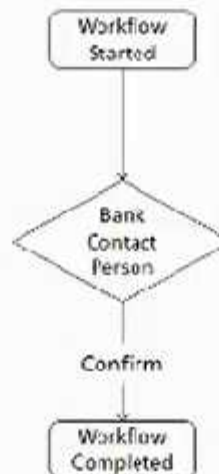
Key User can either do the system configuration and finish the change request or reject the change request.

BAM Standard Workflow Delivery – Review Bank Accounts

Workflow Template - 74300055

Three roles in the workflow for reviewing bank accounts:

- Bank Contact Person



BAM Standard Workflow Delivery – Review Bank Accounts Details

Request

Group Cash Manager requests to review bank accounts, for example for yearly review.

Review Bank Accounts

Bank Accountant reviews all bank account master data and confirm it.

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BAM standard workflow delivery – Standard Task

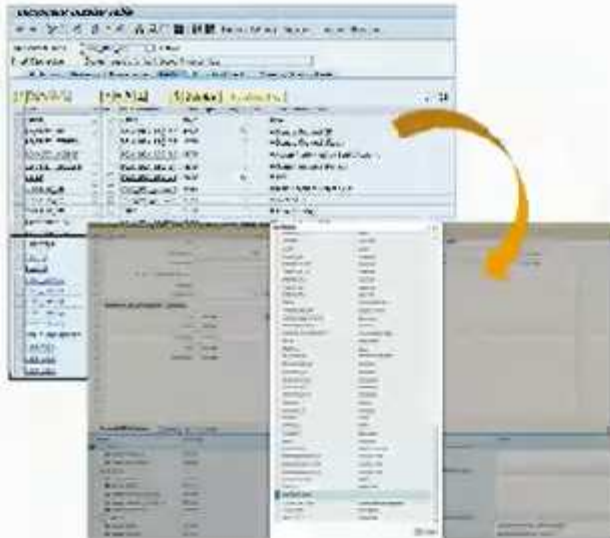
Technical Name	Descriptions	Properties	Information
INDICATOR_APPROVE	Approve Indicator	Import, Export	Decision of current step
IS_LAST_STEP	Is Last Step	Import	Flag for last step in workflow
EDITABLE	Account Editable	Import	Flag for bank account data editable
MAINTAIN_HOUSEBANK	Maintain House Bank	Import	Flag for house bank information editable
CHANGE_REQUEST	Change Request	Import, Export, Mandatory	General data of change request
APPROVE_STATUS	Approved Status	Import, Mandatory	Next status after approving
REJECT_STATUS	Rejected Status	Import, Mandatory	Next status after rejecting
DESP_OTR_ALIAS	Step Description	Import	OTR alias string for current step's description
ADD_CHECK_FUNC	Additional Check Function	Import	Function module for additional check.
AGENTDET_BUKRS	Company Code	Import	Company code
AGENTDET_ACCTYPE	Account Type	Import	Account type

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Workflow Enhancement – Request Structure Enhancement

Request Structure Enhancement

1. Extend the workflow request with customer specific fields.
2. Add CI fields to structure FCLM_BAM_REQ by adding user own fields in the structure CI_FCLM_REQ.
3. Add CI fields to change request in webdynpro application configuration mode.



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Workflow Enhancement – BAdI Enhancement

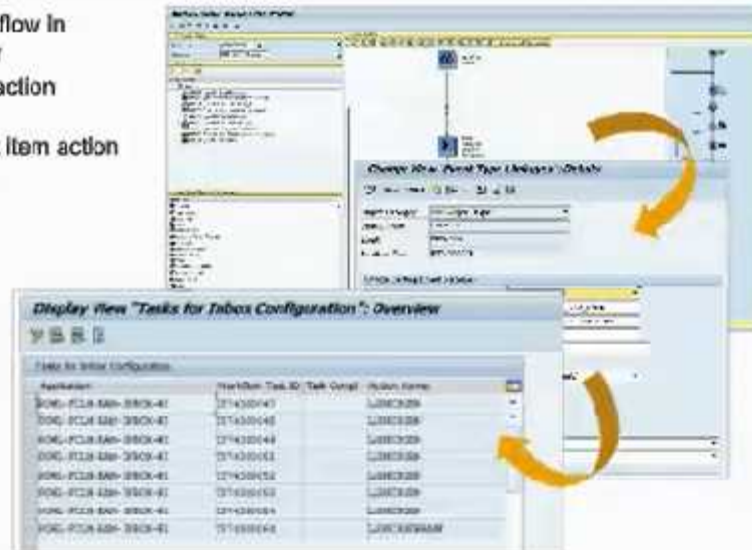
- BAdI Definition In Spot FCLM_BAM: FCLM_BAM_REQ_EXTEND
- Interface: IF_FCML_BAM_REQ_EXTEND



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Workflow Enhancement

1. Define own workflow in Workflow Builder
2. Activate in transaction SWETYPV
3. Define own work item action



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Summary

You should now able to:

- Describe configuration of Bank Account Management
- Describe workflow of Bank Account Management
- Describe authorization settings of Bank Account Management

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Agenda

Using Bank Account Management

Customizing Bank Account Management

Setting up data for Bank Account Management



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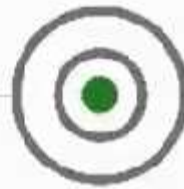


Lesson 3: Setting up data for Bank Account Management

SAP

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Learning Objective



After completing this lesson, you will be able to:

- Understand data initialization of Bank Account Management

Scenario



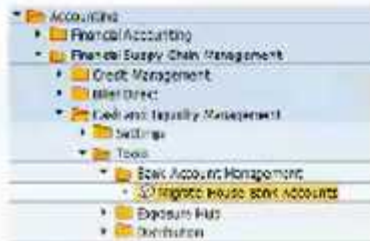
You are interested in the steps of data initialization in Bank Account Management.

Generate BAM Data from House Bank Accounts

Generate Bank Account Master Data from House Bank Accounts

The Migration tool is provided to generate the bank account master data from the existing house bank accounts.

- SAP Menu:



- Transaction Code: FCLM_BAM_MIGRATION

- Before using this migration tool to generate the bank account master data, please deactivate the approve process in the workflow settings.

Migration From House Bank Accounts (Cont.)

Migration Status:

- Red Light (Not Linked)

- The linkage between house bank account and new bank account has not been created.
- The corresponding new bank account has not been created in the new bank account management system.

- Yellow Light (Partially Linked)

- The corresponding new bank account has been created in Simple Finance Add-on 1.0, but hasn't been migrated to Simple Finance Add-on 2.0. The migration step is required to allow the bank account to be used in Simple Finance Add-on 2.0.

- Green Light (Fully Linked)

- The corresponding new bank account has been created.
- The linkage has been built.

And you may check the migration log using the transaction code: SLG¹

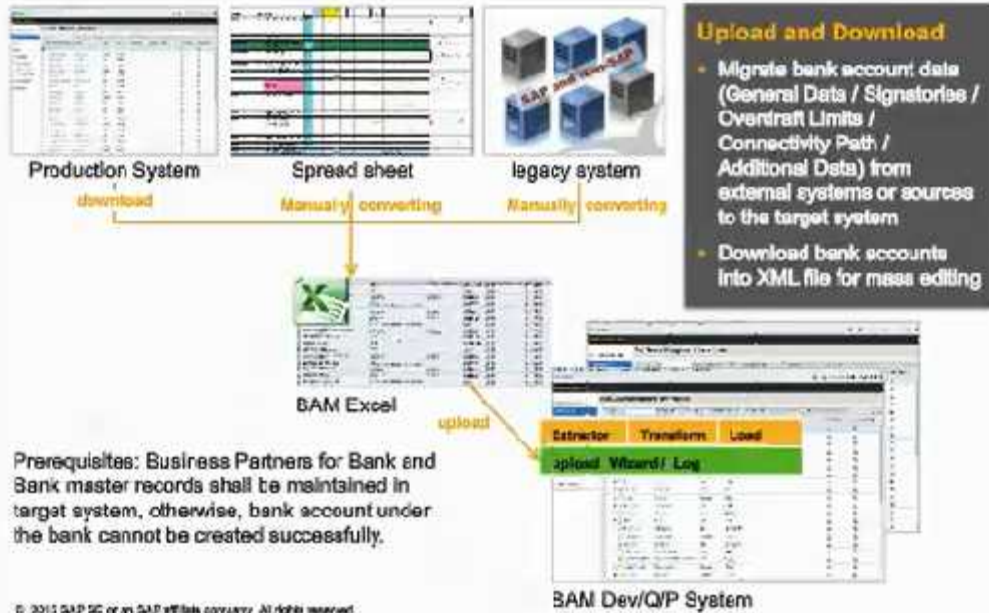
Migrate House Bank Accounts

SLG

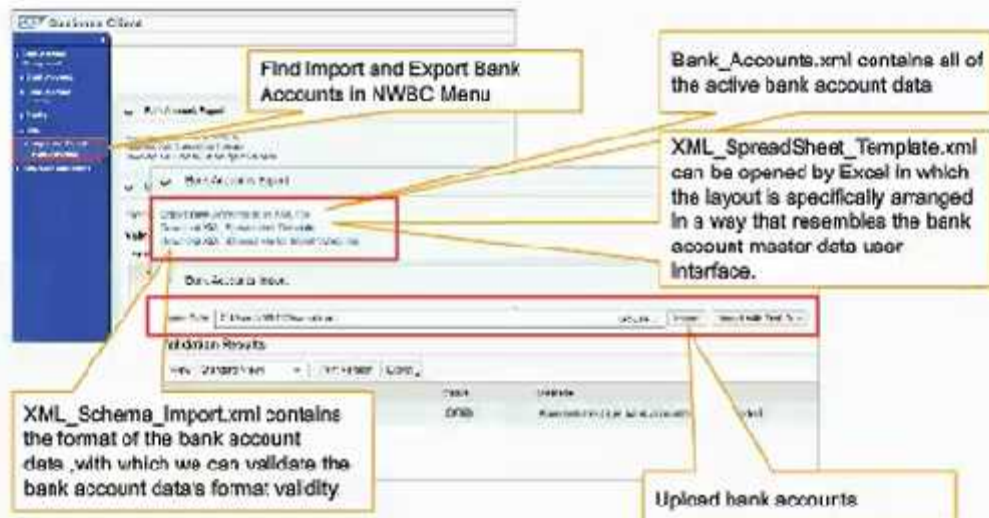
Created On: 11/27/2015

ID	Code	House No.	Acct ID	Account Number	Status
000	01	0001	0001	2001010001	Red
000	01	0002	0002	2001020002	Red
000	01	0003	0003	2001030003	Red
000	01	0004	0004	2001040004	Red
000	01	0005	0005	2001050005	Red
000	01	0006	0006	2001060006	Red
000	01	0007	0007	2001070007	Red
000	01	0008	0008	2001080008	Red
000	01	0009	0009	2001090009	Red
000	01	0010	0010	2001100010	Red
000	01	0011	0011	2001110011	Red
000	01	0012	0012	2001120012	Red
000	01	0013	0013	2001130013	Red
000	01	0014	0014	2001140014	Red
000	01	0015	0015	2001150015	Red
000	01	0016	0016	2001160016	Red
000	01	0017	0017	2001170017	Red
000	01	0018	0018	2001180018	Red
000	01	0019	0019	2001190019	Red
000	01	0020	0020	2001200020	Red
000	01	0021	0021	2001210021	Red
000	01	0022	0022	2001220022	Red
000	01	0023	0023	2001230023	Red
000	01	0024	0024	2001240024	Red
000	01	0025	0025	2001250025	Red
000	01	0026	0026	2001260026	Red
000	01	0027	0027	2001270027	Red
000	01	0028	0028	2001280028	Red
000	01	0029	0029	2001290029	Red
000	01	0030	0030	2001300030	Red
000	01	0031	0031	2001310031	Red
000	01	0032	0032	2001320032	Red
000	01	0033	0033	2001330033	Red
000	01	0034	0034	2001340034	Red
000	01	0035	0035	2001350035	Red
000	01	0036	0036	2001360036	Red
000	01	0037	0037	2001370037	Red
000	01	0038	0038	2001380038	Red
000	01	0039	0039	2001390039	Red
000	01	0040	0040	2001400040	Red
000	01	0041	0041	2001410041	Red
000	01	0042	0042	2001420042	Red
000	01	0043	0043	2001430043	Red
000	01	0044	0044	2001440044	Red
000	01	0045	0045	2001450045	Red
000	01	0046	0046	2001460046	Red
000	01	0047	0047	2001470047	Red
000	01	0048	0048	2001480048	Red
000	01	0049	0049	2001490049	Red
000	01	0050	0050	2001500050	Red
000	01	0051	0051	2001510051	Red
000	01	0052	0052	2001520052	Red
000	01	0053	0053	2001530053	Red
000	01	0054	0054	2001540054	Red
000	01	0055	0055	2001550055	Red
000	01	0056	0056	2001560056	Red
000	01	0057	0057	2001570057	Red
000	01	0058	0058	2001580058	Red
000	01	0059	0059	2001590059	Red
000	01	0060	0060	2001600060	Red
000	01	0061	0061	2001610061	Red
000	01	0062	0062	2001620062	Red
000	01	0063	0063	2001630063	Red
000	01	0064	0064	2001640064	Red
000	01	0065	0065	2001650065	Red
000	01	0066	0066	2001660066	Red
000	01	0067	0067	2001670067	Red
000	01	0068	0068	2001680068	Red
000	01	0069	0069	2001690069	Red
000	01	0070	0070	2001700070	Red
000	01	0071	0071	2001710071	Red
000	01	0072	0072	2001720072	Red
000	01	0073	0073	2001730073	Red
000	01	0074	0074	2001740074	Red
000	01	0075	0075	2001750075	Red
000	01	0076	0076	2001760076	Red
000	01	0077	0077	2001770077	Red
000	01	0078	0078	2001780078	Red
000	01	0079	0079	2001790079	Red
000	01	0080	0080	2001800080	Red
000	01	0081	0081	2001810081	Red
000	01	0082	0082	2001820082	Red
000	01	0083	0083	2001830083	Red
000	01	0084	0084	2001840084	Red
000	01	0085	0085	2001850085	Red
000	01	0086	0086	2001860086	Red
000	01	0087	0087	2001870087	Red
000	01	0088	0088	2001880088	Red
000	01	0089	0089	2001890089	Red
000	01	0090	0090	2001900090	Red
000	01	0091	0091	2001910091	Red
000	01	0092	0092	2001920092	Red
000	01	0093	0093	2001930093	Red
000	01	0094	0094	2001940094	Red
000	01	0095	0095	2001950095	Red
000	01	0096	0096	2001960096	Red
000	01	0097	0097	2001970097	Red
000	01	0098	0098	2001980098	Red
000	01	0099	0099	2001990099	Red
000	01	0100	0100	2002000100	Red

Upload and Download Bank Accounts



Upload and Download Bank Accounts – Detailed Functions



Upload and Download Bank Accounts – Upload



1. Select the file to import
2. Import the file with Test Run
3. Verify the status of the import

- Upload logic would be: find the record in system with logical key ("ACC_NUM", "BANKS" and "BANKL", "CURRENCY"), if can't find it, add a new record, otherwise, update it.

- For Add, all fields (including user defined fields) user can input manually from BAM UI are supported. So, bank account number, bank key, currency are supported. General data are supported. all fields which user can't manually input/select are not supported.

- For Update, update will first find the object with logical key according to Excel. If found, then update all the rest fields if there is a value in Excel. If not found, add a new record into system.

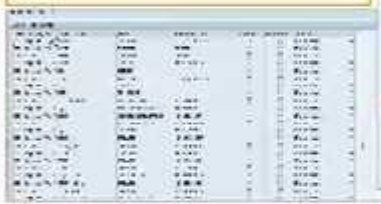
Upload and Download Bank Accounts – Upload (Prepare Data) 1/2

1. Add Developer Tab in Excel

2. Import the data into the Excel

Upload and Download Bank Accounts – Upload (Prepare Data) 2/2

3. Deactivate workflow before upload



Account	Company	Status
10000000000000000000	0000	Active
10000000000000000000	0000	Active
10000000000000000000	0000	Active



Screenshot of the SAP Change Master Data Tools (CMAT) interface. The main window shows a list of bank accounts. A pop-up window titled 'Change Master Data Tools' is displayed, with a 'Deactivate Workflow' button highlighted in red.

4. Export the data into the XML



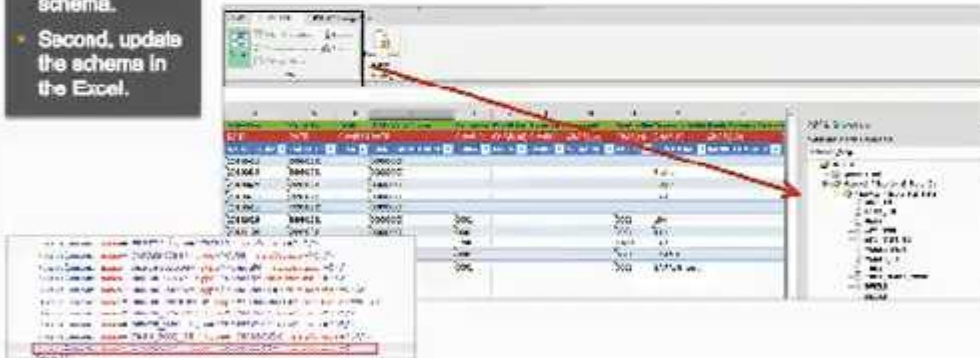
A sequence of screenshots showing the export process. It starts with a list of bank accounts in SAP Data Browser. A red arrow points to the 'Export' button. Another red arrow points to the 'Export to XML' button. The final screenshot shows a small document icon representing the exported XML file.

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Upload and Download Bank Accounts – Upload (Customer Defined Fields) 1/3

Customer Defined Fields

- First, add one element in the schema.
- Second, update the schema in the Excel.



A screenshot of the SAP Data Browser interface showing a list of bank accounts. A red arrow points from the 'Customer Defined Fields' column to an Excel spreadsheet. The spreadsheet shows a schema with columns for 'Field Name', 'Field Type', and 'Field Length'. A red box highlights a row in the spreadsheet. An inset window shows a small XML snippet.

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Upload and Download Bank Accounts – Upload (Customer Defined Fields) 2/3

Update the schema

- First, delete the old xml source.
- Second, add a new xml source.

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Upload and Download Bank Accounts – Upload (Customer Defined Fields) 3/3

Drag the element to the right row.

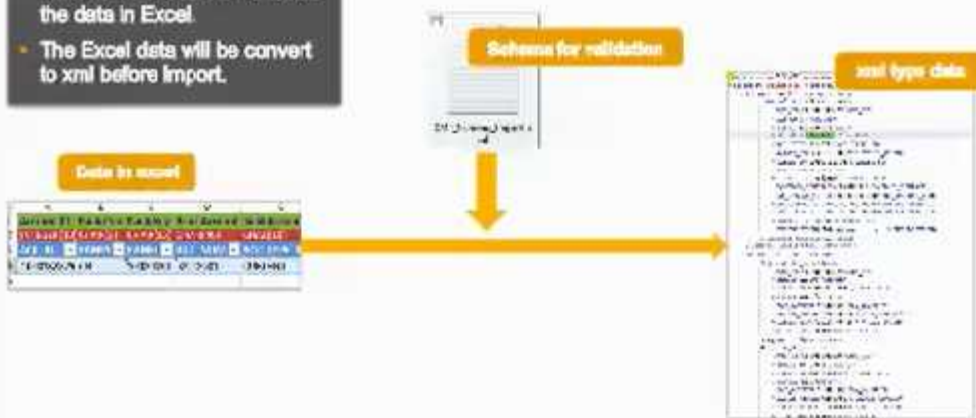
1. Carry out this for both General Data/Payment Signatories/Overdraft Limits/Connectivity Path/Additional Data
2. Add the context to the new field. Then Export to xml.
3. Upload the xml.

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Upload and Download Bank Accounts – XSD Validation

XSD validation

- XSD contain meta information which can be used for validate the data in Excel.
- The Excel data will be convert to xml before import.



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Summary

You should now able to:

- Describe data Initialization of Bank Account Management

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Unit 4: Cash Operations

SAP

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Agenda

Using Cash Operations



Customizing Cash Operations

Setting up data for Cash Operations

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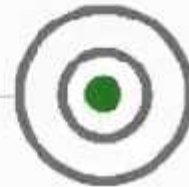


Lesson 1: Using Cash Operations



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Learning Objective



After completing this lesson, you will be able to:

- Understand the business context of Cash Operations
- Understand the functional features of Cash Operations

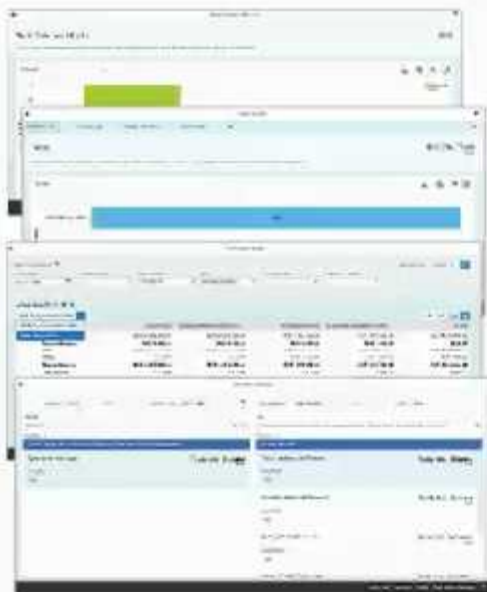
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Scenario



You are interested in the detailed functions in Cash Operations.

Function Overview of Cash Operations



Cash Operations

- Cash Operations for the day to day management of the corporate working capital
- Monitoring status of incoming bank statements
- Preparing a daily forecast of cash receipts, disbursements and expected closing balances
- Overseeing bank risk
- Initiating bank transfers and payments
- Approving and monitoring payments

Morning Tasks of Cash Manager

Bank Statement

Monitor whether bank statements have all been imported successfully.



Cash Position

Review yesterday's bank-confirmed position, and forecast today's closing balance.



Bank Transfer

Make bank transfer in case of deficit or surplus.



Payment Approval

Approve big-amount payment or bank transfer.



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Bank Statement Monitor



Bank Statement Monitor (Fiori ID: F0514)

- The analytical app displays the Key Performance Indicator (KPI) Bank Statement Monitor. With Bank Statement Monitor, end user can monitor the import status of bank statements for all the bank accounts that are set to be monitored. This KPI provides end user with an overall status of the monitored bank statements and also allows end user to identify bank accounts that are not imported successfully. Then, end user can communicate the issue to the responsible person by email when end user find a bank account in an error state.

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Monitor importing status via various dimensions



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Drill down to the failed bank account

The screenshot illustrates a drill-down process. In the top-left view, a filter menu has a red box around the 'By Bank' filter, which is set to 'Failed Bank'. An orange arrow points from this filter to a detailed view of the failed bank account. The detailed view shows a table with columns: 'Bank', 'Account ID', 'Account Name', 'Bank Name', 'Account Type', 'Status', and 'Contact Person'. Below the table, a text box contains the instruction: 'Determine the bank account and contact person'.

Bank	Account ID	Account Name	Bank Name	Account Type	Status	Contact Person
Bank 1	123456789	ABC BANK AG	ABC BANK AG	Checking	Failed	John Doe
Bank 2	987654321	DEF BANK AG	DEF BANK AG	Checking	Success	Jane Smith

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Navigate to Bank Account Management

The screenshot shows the SAP Bank Statement Monitor interface. A table lists bank accounts with columns for bank, account type, and account number. A dropdown menu is open over the table, with the option 'Bank Account Details' highlighted in red. A yellow arrow points from this menu item to a detailed view window. This window displays various fields for a selected bank account, including account type, account number, and bank name. A yellow box at the bottom of the detailed view contains the text 'Understand the bank account details'.

Understand the bank account details

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Navigate to the bank statement monitor

The screenshot shows the SAP Bank Statement Monitor interface. A table lists bank accounts with columns for bank, account type, and account number. A dropdown menu is open over the table, with the option 'Bank Statement Details' highlighted in red. A yellow arrow points from this menu item to a detailed view window. This window displays various fields for a selected bank account, including account type, account number, and bank name. A yellow box at the bottom of the detailed view contains the text 'Selection criteria passed through'.

Selection criteria passed through

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Cash Position and Cash Position Details



Cash Position (Fiori ID: F0511) and Cash Position Details (Fiori ID: F0737)

- The analytical app displays the Key Performance Indicator (KPI) Cash Position. With Cash Position, end user can check cash positions by location, company, and currency. This KPI allows end user to filter and drill down by various dimensions.
- With the transactional app Cash Position Details, end user can monitor the cash position trend in his/her company and analyze cash position details using different dimensions and filters, based on transaction data from accounting, memo records, and one Exposure from operations.

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Overview of Memo Records

Memo records are notified incoming and outgoing payments that do not trigger actual postings in the CM system. In addition to displaying liquidity information available in the system, memo records provide additional, manually-entered planning information for a range of different purposes.

Definition:

- Individual records entered manually

Applications:

- Payment advices for cash receipts/disbursements
- Planned data entry
- Entering noted items and correction postings

Maintenance

- Individual archiving categories
- Automatic (expiration date) or manual expiration
- Selection options to find data quickly
- Changes made easily
- Additional information (texts, characteristics, and so on ...)
- Checks whether planning occurs on Saturday/Sunday

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Creating Memo Records

Planning type: CA confirmed payment advices

Value date: 0801YY
GM account name: CICURR

Amount: 10,000

Assignment:
Characteristics:

Planning Data (date, account – cash management account name, expiration date if required)

Amount Data (currency, exchange rate, exchange rate type, and so on)

Additional Information (allocation, characteristics, description, and so on)

The planning type is a unique classification characteristic that defines the:

- entry level
- Screen
- expiration date

Note: Remember to enter a minus sign for outgoing payments advices.

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Changing Memo Records Using Lists

M	COCO	ACCNAME	PLTY	DATE	AMOUNT
X	1000	DBGIRO	BV	08/01/YY	10,000.00



Editing functions for payment advices:

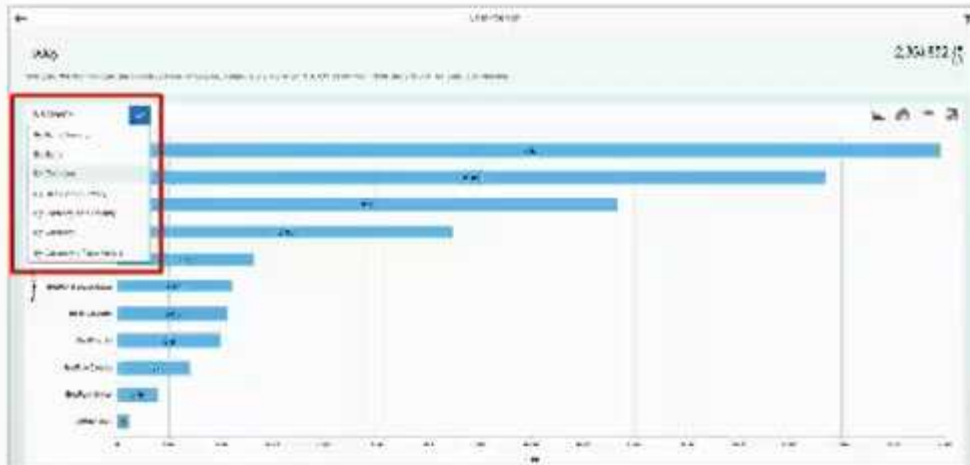
- change
- archive
- Reactivate

The planning type determines the archiving category. The archiving categories define the retention period of a document. The retention period controls the time a record remains in the system before it is deleted (in the reorganization run).

Note: Archived payment advices are no longer included in planning.

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Analyze cash position via different dimensions



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Navigate to Cash Position Details

The screenshot shows a SAP Cash Position report with a navigation menu open. The menu options are: ACCOUNT, BANK, BANK OF, BANK OF CODE, BANK OF CODE AND NAME, BANK OF CODE AND NAME AND ADDRESS, BANK OF CODE AND NAME AND ADDRESS AND PHONE NUMBER, BANK OF CODE AND NAME AND ADDRESS AND PHONE NUMBER AND FAX NUMBER, BANK OF CODE AND NAME AND ADDRESS AND PHONE NUMBER AND FAX NUMBER AND EMAIL ADDRESS, BANK OF CODE AND NAME AND ADDRESS AND PHONE NUMBER AND FAX NUMBER AND EMAIL ADDRESS AND WEBSITE, BANK OF CODE AND NAME AND ADDRESS AND PHONE NUMBER AND FAX NUMBER AND EMAIL ADDRESS AND WEBSITE AND SOCIAL MEDIA, BANK OF CODE AND NAME AND ADDRESS AND PHONE NUMBER AND FAX NUMBER AND EMAIL ADDRESS AND WEBSITE AND SOCIAL MEDIA AND OTHERS. The 'View Cash Details' option is highlighted with a red box. A yellow arrow points from the 'View Cash Details' option to a detailed view of the 'ACCOUNT' dimension. The detailed view shows a table with columns for 'ACCOUNT', 'BANK', 'BANK OF', 'BANK OF CODE', 'BANK OF CODE AND NAME', 'BANK OF CODE AND NAME AND ADDRESS', 'BANK OF CODE AND NAME AND ADDRESS AND PHONE NUMBER', 'BANK OF CODE AND NAME AND ADDRESS AND PHONE NUMBER AND FAX NUMBER', 'BANK OF CODE AND NAME AND ADDRESS AND PHONE NUMBER AND FAX NUMBER AND EMAIL ADDRESS', 'BANK OF CODE AND NAME AND ADDRESS AND PHONE NUMBER AND FAX NUMBER AND EMAIL ADDRESS AND WEBSITE', and 'TOTAL'. The 'ACCOUNT' dimension is selected, and the total value is 2,354,872.

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Open Make Bank Transfer App

The screenshot shows the SAP Fiori 'Open Make Bank Transfer App' interface. A menu is open, highlighting the 'Open Make Bank Transfer App' option. Below the menu, a list of bank accounts is displayed, including details like 'Bank Name', 'Account Name', and 'Account Type'.

Bank Name	Account Name	Account Type
Bank Name	ACCOUNT NAME	ACCOUNT TYPE
Bank Name	ACCOUNT NAME	ACCOUNT TYPE
Bank Name	ACCOUNT NAME	ACCOUNT TYPE
Bank Name	ACCOUNT NAME	ACCOUNT TYPE
Bank Name	ACCOUNT NAME	ACCOUNT TYPE
Bank Name	ACCOUNT NAME	ACCOUNT TYPE
Bank Name	ACCOUNT NAME	ACCOUNT TYPE
Bank Name	ACCOUNT NAME	ACCOUNT TYPE
Bank Name	ACCOUNT NAME	ACCOUNT TYPE
Bank Name	ACCOUNT NAME	ACCOUNT TYPE

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Cash Position Details

The screenshot shows the SAP Fiori 'Cash Position Details' interface. The table displays cash position data for a specific date, comparing Actual Amount and Forecasted Amount across various categories.

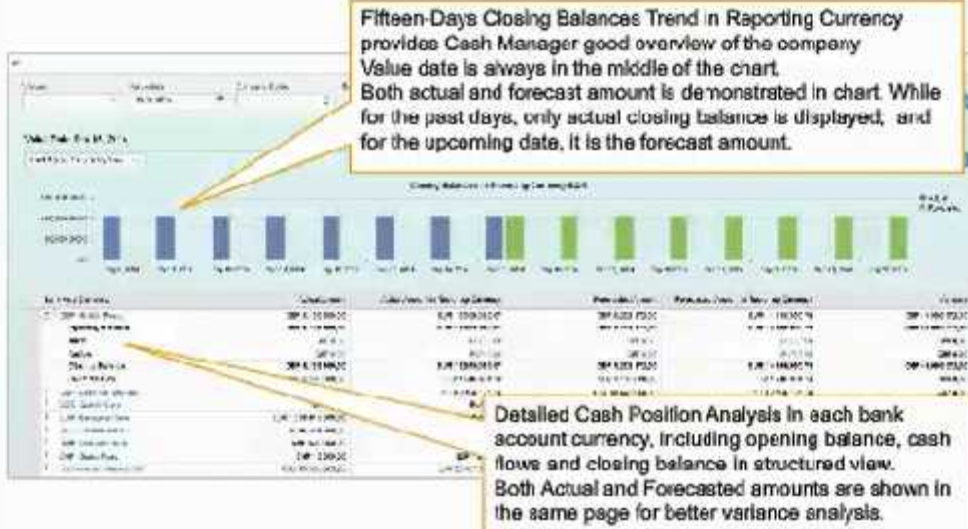
Category	Actual Amount	Forecasted Amount
Opening Balance	€ 1,000,000	€ 1,000,000
Flow	€ 500,000	€ 500,000
Closing Balance	€ 1,500,000	€ 1,500,000
Over/Under	€ 0	€ 0
Total	€ 1,500,000	€ 1,500,000

Actual Amount: Cash flows and bank account balance confirmed by bank statements, including day-end and intra-day statements, and it could also be bank balance uploaded via Excel.

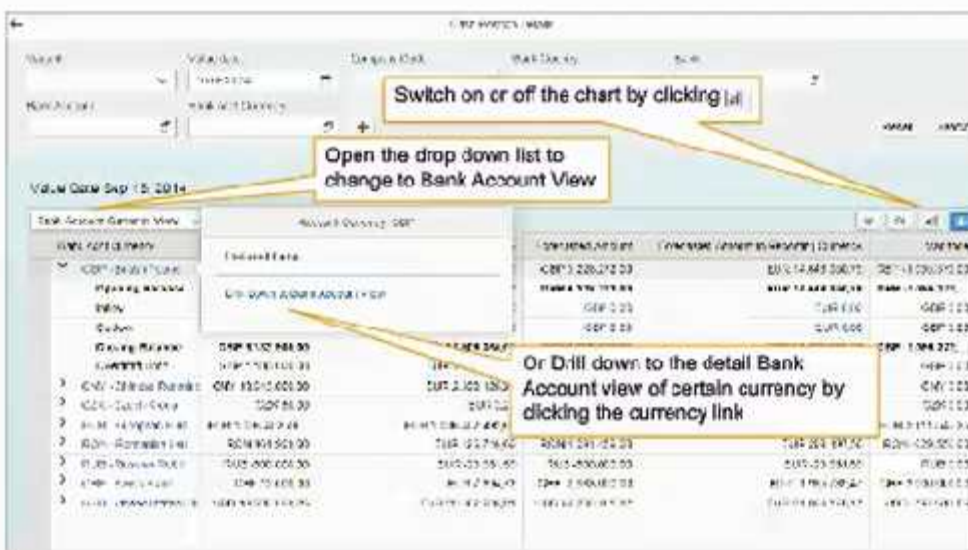
Forecasted Amount: Cash flows including FI payments, memo records and flows in one Exposure (TRM, CML, FICA and Classic Cash Management information from remote system).

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Cash Position Details – Bank Account Currency View



Cash Position Details – Bank Account Currency View



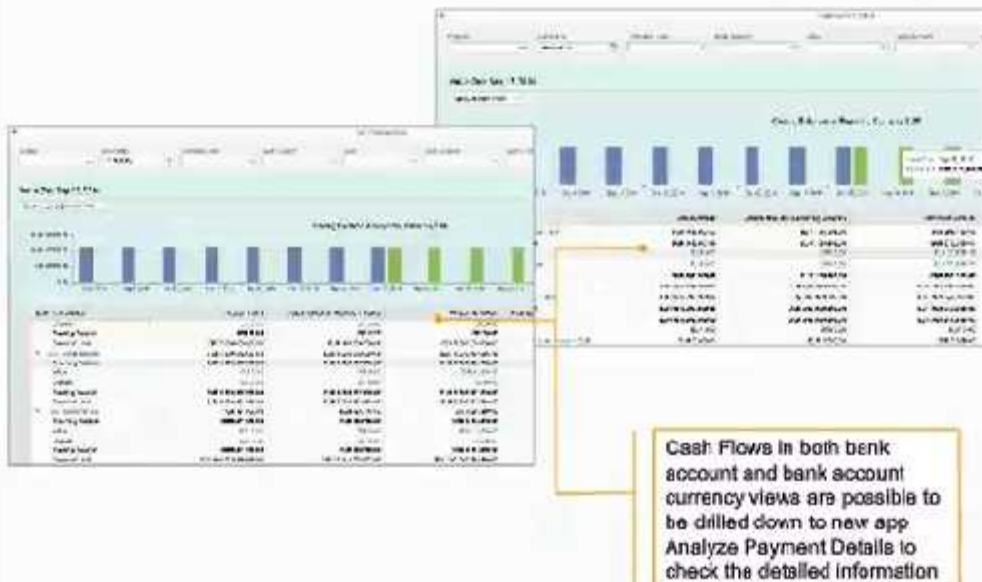
Cash Position Details – Bank Account View



Make Bank Transfer Application

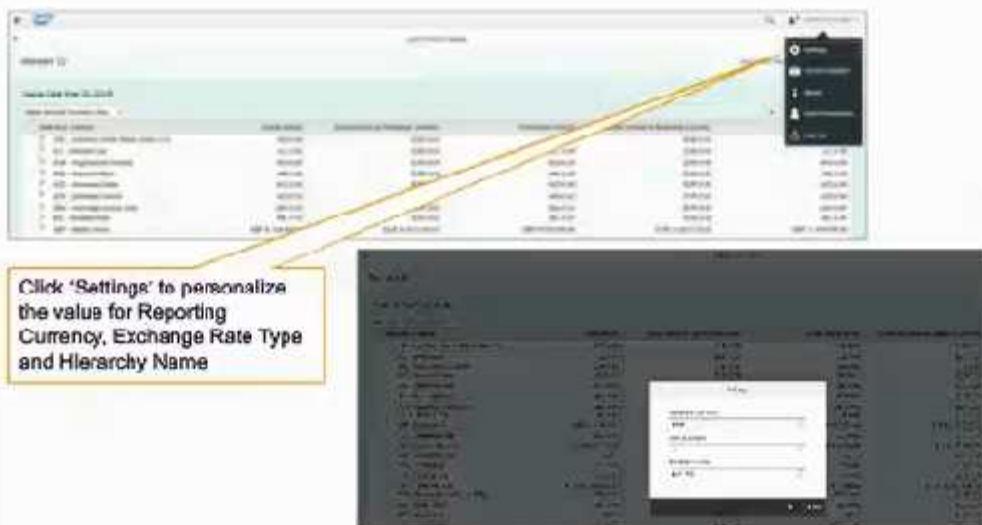


Drill Down to Analyze Payment Details



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Cash Position Details personalization



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Simplified Data Structure



Get rid of classic cash management tables:

Most of the information is directly from original tables

- Accounting information from BSEG and BKPF
- Memo Record from FDES
- Other cash and liquidity relevant information in local system from one Exposure (FQM_FLOW)
- Integrated information from remote system from one Exposure (FQM_FLOW)
- Bank Statement from FEBKO/FEBEP

Interim classic cash management tables are not used to save the data footprint (FDSB, FDSR etc)

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Analyze Payment Details



Analyze Payment Details (Fiori ID: F0735)

- With the transactional app Analyze Payment Details end user can track problematic payments that are booked. For example, outgoing payments that are rejected by a stakeholder or a bank, or expected incoming payments that do not arrive in time. end user can also check the details, for example, cash positions of the aggregated cash flows, and analyze the root cause of unexpected cash flows.

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List of payment documents

The screenshot shows a table with columns for document type, date, amount, and status. Callouts provide the following information:

- Source Application:** Indicates the type of source information, for example, payments, memo record and TRM deals.
- Reconciliation Status:** Indicates the fulfillment of payments.
- Drill down:** By clicking the figure to check the detailed payment information.

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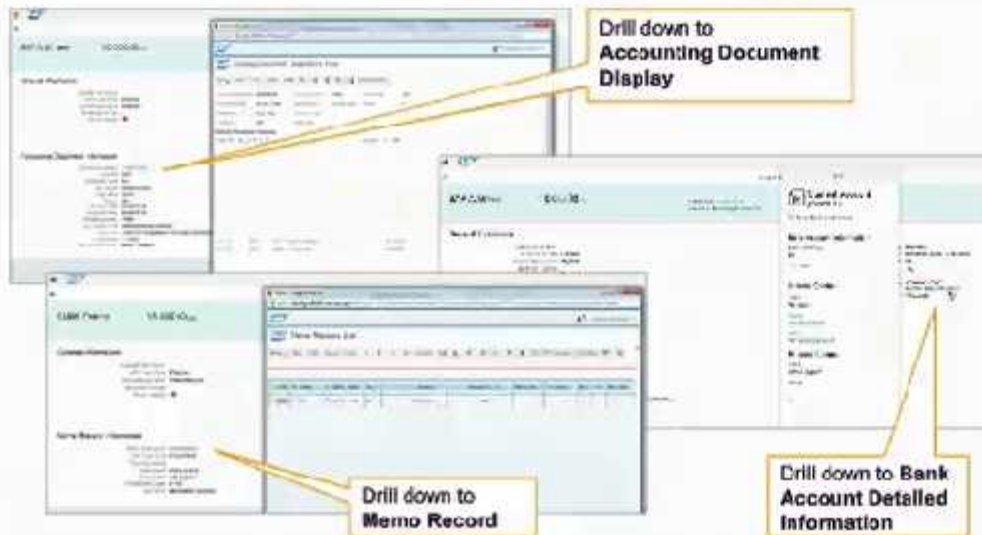
Detailed information of payments

The screenshot displays a detailed view of a payment document with callouts explaining:

- Variance Percentage:** Shows current fulfillment status of the payment.
- Segmented Information:** For General Information of payment, Detailed Bank Account Information, Bank Statement Information, and Bank Statement posted accounting document.
- Matched Items:** Shows the target payment document that is confirmed by bank statement.

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Drill down capability for further information



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Make Bank Transfer

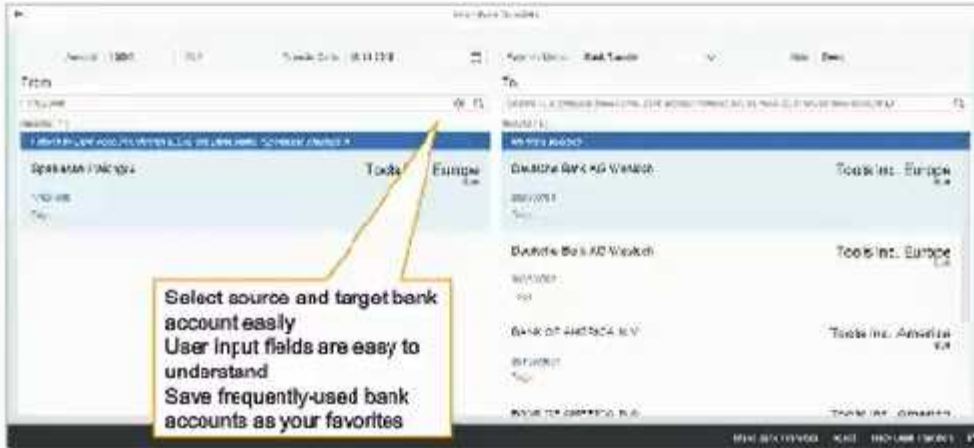


Make Bank Transfer (Fiori ID: F0691)

- With the transactional app Make Bank Transfers end user can conduct bank-to-bank transfers of cash. End user can view information about the bank account from which or to which end user want to make the transfer. End user can filter or search for bank accounts by several dimensions.

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Select bank accounts and payment methods



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Confirm the transfer



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Success or failure message



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Track Bank Transfers



Track Bank Transfers (Fiori ID: F0692)

- With the transactional app Track Bank Transfers end user can view information about the bank-to-bank transfers of cash that end user have made during the past 3 months. End user can filter or sort such information by several dimensions.

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Master view – Track Bank Transfers

Transfer Date	Type	To	Payment Method	Transfer Date	Amount	Status
20.03.2019	Bankto Bank	Bankto Bank	Make Transfer	20.03.2019	10.000,00	OK
20.03.2019	Bankto Bank	Bankto Bank	Make Transfer	20.03.2019	10.000,00	OK
20.03.2019	Bankto Bank	Bankto Bank	Make Transfer	20.03.2019	10.000,00	OK
20.03.2019	Bankto Bank	Bankto Bank	Make Transfer	20.03.2019	10.000,00	OK
20.03.2019	Bankto Bank	Bankto Bank	Make Transfer	20.03.2019	10.000,00	OK

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Check the details and navigate to Analyze Payment Details

Transfer Date	Type	To	Payment Method	Transfer Date	Amount	Status
20.03.2019	Bankto Bank	Bankto Bank	Make Transfer	20.03.2019	10.000,00	OK
20.03.2019	Bankto Bank	Bankto Bank	Make Transfer	20.03.2019	10.000,00	OK
20.03.2019	Bankto Bank	Bankto Bank	Make Transfer	20.03.2019	10.000,00	OK
20.03.2019	Bankto Bank	Bankto Bank	Make Transfer	20.03.2019	10.000,00	OK
20.03.2019	Bankto Bank	Bankto Bank	Make Transfer	20.03.2019	10.000,00	OK

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Approve Bank Payments



Approve Bank Payments (Fiori ID: F0673)

- With the transactional app Approve Bank Payments, end user can approve or reject outgoing payments before payment orders are sent to the bank. This allows end user to quickly get access to the payment information to avoid delays in the process.

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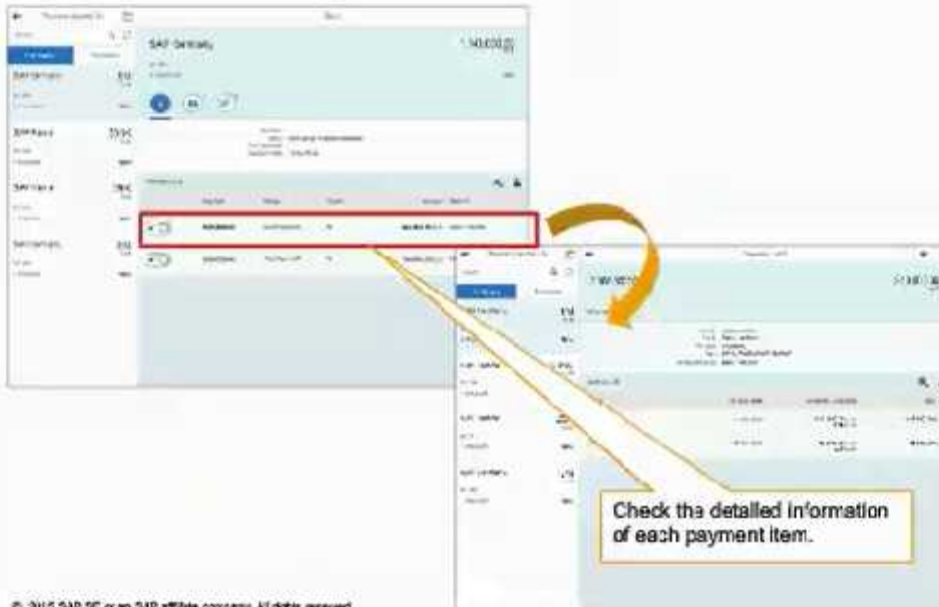
Approve Bank Payments worklist

The screenshot shows a Fiori worklist for 'Approve Bank Payments'. The left sidebar lists payment batches with their process status: 'GAP Summary' (14), 'GAP Summary' (2018), 'GAP Summary' (20K), and 'GAP SA' (3N). The main area displays detailed information for a selected batch, including a table of payment items. Callouts provide additional context: 'Detailed information of all payments in one batch, including main information, history and attachments.' and 'Payment items in the batch, click the icon to reject or accept the payment.'

Item	Amount	Due Date	Payment Method
1	1000000	2018-12-31	Bank Transfer
2	2000000	2018-12-31	Bank Transfer

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Check detailed information of each payment item



Payment Statistics



Payment Statistics (Fiori ID: F0693)

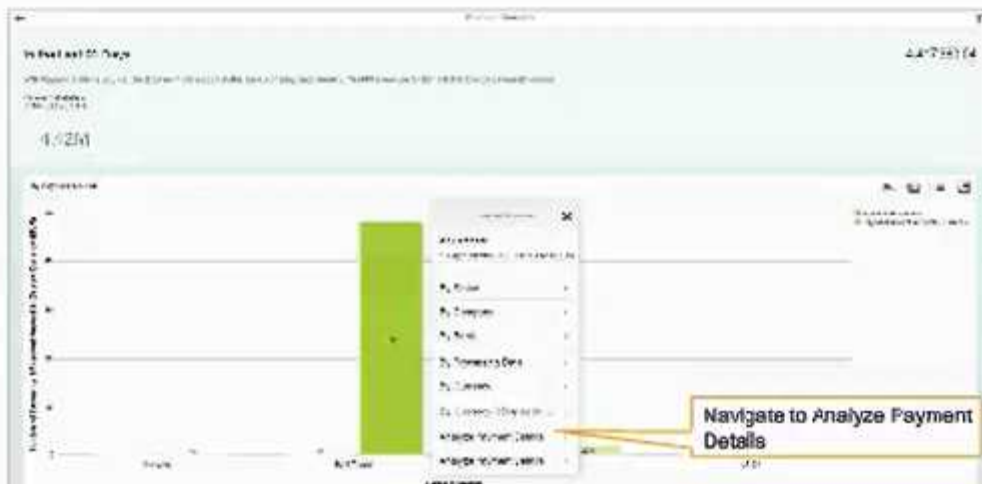
- The analytical app displays the Key Performance Indicator (KPI) Payment Statistics. End user can have an overview of the recent payments being made and the total amount of payments according to different filtering criteria.

Analyze payment statistics via different dimensions



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Navigate to Analyze Payment Details



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Bank Risk



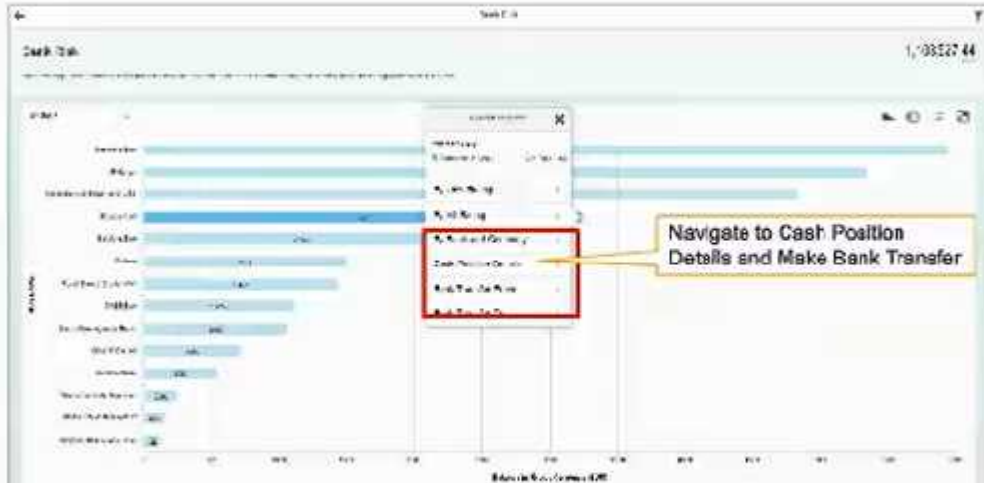
Bank Risk (Fiori ID: F0515)

- The analytical app displays the Key Performance Indicator (KPI) Bank Risk. With Bank Risk, the end user can analyze deposit distribution in terms of bank ratings and identify deposits in high-risk bank accounts.

Analyze bank risks via different dimensions



Navigate to Analyze Payment Details and Make Bank Transfer



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Summary

You should now able to:

- Describe the business context of Cash Operations
- Describe the functional features of Cash Operations

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Agenda

Using Cash Operations

Customizing Cash Operations

Setting up data for Cash Operations



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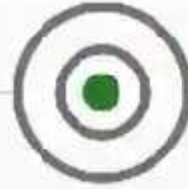


Lesson 2: Customizing Cash Operations

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Learning Objective



After completing this lesson, you will be able to:

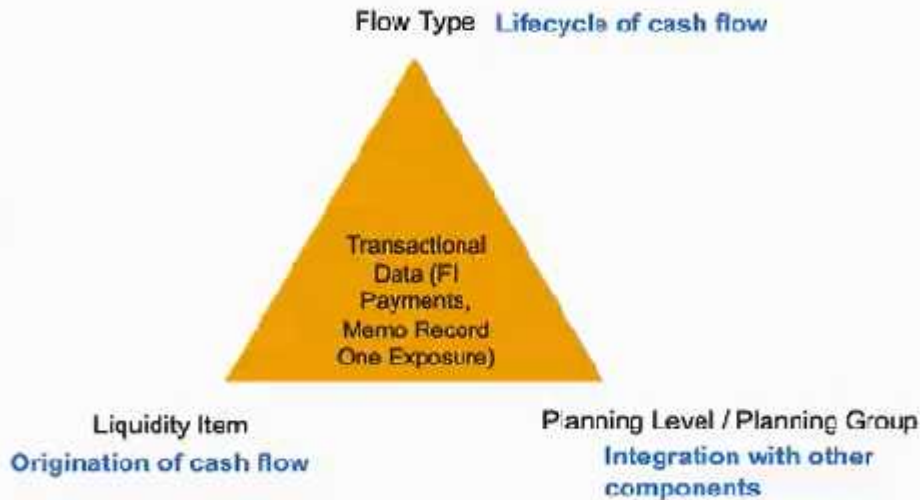
- Understand the required customizing settings of Cash Operations

Scenario



You are interested in the customizing in Cash Operations.

Customizing to set up Cash Management data



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Flow Type

DATA Browser: Table FQMI_FLOW_CAT Select Items

FLOW_CATEGORY	FLOW_CAT	DESCRIPTION
10000	01	Actual Cash Flow
10000	02	Forecasted Cash Flow
10000	03	Forecasted Cash Flow
10000	04	Forecasted Cash Flow
10000	05	Forecasted Cash Flow
10000	06	Forecasted Cash Flow
10000	07	Forecasted Cash Flow
10000	08	Forecasted Cash Flow
10000	09	Forecasted Cash Flow
10000	10	Forecasted Cash Flow
10000	11	Forecasted Cash Flow
10000	12	Forecasted Cash Flow
10000	13	Forecasted Cash Flow
10000	14	Forecasted Cash Flow
10000	15	Forecasted Cash Flow
10000	16	Forecasted Cash Flow
10000	17	Forecasted Cash Flow
10000	18	Forecasted Cash Flow
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10000	27	Forecasted Cash Flow
10000	28	Forecasted Cash Flow
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10000	31	Forecasted Cash Flow
10000	32	Forecasted Cash Flow
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10000	38	Forecasted Cash Flow
10000	39	Forecasted Cash Flow
10000	40	Forecasted Cash Flow
10000	41	Forecasted Cash Flow
10000	42	Forecasted Cash Flow
10000	43	Forecasted Cash Flow
10000	44	Forecasted Cash Flow
10000	45	Forecasted Cash Flow
10000	46	Forecasted Cash Flow
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10000	48	Forecasted Cash Flow
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10000	90	Forecasted Cash Flow
10000	91	Forecasted Cash Flow
10000	92	Forecasted Cash Flow
10000	93	Forecasted Cash Flow
10000	94	Forecasted Cash Flow
10000	95	Forecasted Cash Flow
10000	96	Forecasted Cash Flow
10000	97	Forecasted Cash Flow
10000	98	Forecasted Cash Flow
10000	99	Forecasted Cash Flow
10000	100	Forecasted Cash Flow

Specify the steps in the lifecycle of cash flow from "forecast" into "actual".

- "90": actual cash flow confirmed by the bank;
- "20" to "80": forecasted cash flows.

Data consumed by cash management applications must have Flow Type assigned:

- BSEG records
- One Exposure from Operations records

10000	01	Actual Cash Flow
10000	02	Forecasted Cash Flow
10000	03	Forecasted Cash Flow
10000	04	Forecasted Cash Flow
10000	05	Forecasted Cash Flow
10000	06	Forecasted Cash Flow
10000	07	Forecasted Cash Flow
10000	08	Forecasted Cash Flow
10000	09	Forecasted Cash Flow
10000	10	Forecasted Cash Flow
10000	11	Forecasted Cash Flow
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10000	96	Forecasted Cash Flow
10000	97	Forecasted Cash Flow
10000	98	Forecasted Cash Flow
10000	99	Forecasted Cash Flow
10000	100	Forecasted Cash Flow

Flow Types are already pre-defined (database table FQMI_FLOW_CAT)

Derivation logic of Flow Types is also partly pre-defined already by the software.

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Pre-defined derivation of Flow Types

G/L Account classified as *	Debit/credit indicator	Flow Type
Bank	S	900000
	H	900001
Bank Clearing	S	900004
	H	900003
Payment Request Clearing	S	700000
	H	700001
Vendor	S	600001
	H	600010
Customer	S	600000
	H	600011
Tax (output tax; BSEG-MWART = 'A')	S	300010
	H	300001
Tax (input tax; BSEG-MWART = 'V')	S	300000
	H	300011

Pre-defined derivation logic for BSEG records

* "G/L Account classified as" is explained in next page.

Pre-defined derivation logic for One Exposure from Operations records

Data in One Exposure from Operations	Flow Type
Treasury and Risk Management (TRM)	900000, 900101
Consumer and Mortgage Loan (CML)	900004, 900106
Contract Accounts Receivable and Payable (RCA)	900006, 900107
Classic Cash Management data from remote system	900010, 900111
Classic Liquidity Planner data from remote system	900012, 900113
Updated Bank Account Balance	900002, 900103

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...(cont.) G/L Account classified as...

"Bank" G/L accounts: defined in House Bank Account attribute "G/L Account", representing "actual" data in e.g. Cash Position, meaning the cash flow has been confirmed by the bank through bank statement.

"Bank Clearing" G/L accounts: defined as bank clearing account under *Financial Accounting (new) -> Bank Accounting -> Business Transactions -> Payment Transactions -> Payment Handling -> Bank Clearing Account Determination*. These G/L Accounts represent "forecast" data in e.g. Cash Position, meaning payment has been booked in the system but either hasn't been sent to the bank yet, or hasn't been confirmed by the bank.

"Payment Request Clearing" G/L accounts: defined as clearing accounts for Payment Request under *Financial Supply Chain Management -> Treasury and Risk Management -> Transaction Manager -> General Settling -> Payment Management -> Payment Requests -> Define Clearing Account for Payment Requests*. These G/L Accounts represent "forecast" data in e.g. Cash Position, meaning that the TRM deal has been settled and ready for payment run (F111) to turn them into payments.

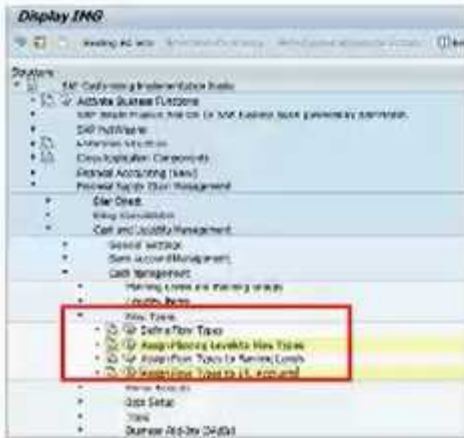
"Tax" G/L accounts: defined as Tax account under *Financial Account (new) -> Accounts Receivable and Accounts Payable -> Business Transactions -> Outgoing Invoices / Credit Memos -> Define Tax Accounts for Outgoing Invoices*. These G/L Accounts represent "forecasted" cash flows from taxes in Liquidity Forecast.

"Vendor" G/L accounts: defined as vendor accounts (reconciliation account) with the account type K - Vendors.

"Customer" G/L accounts: defined as customer accounts (reconciliation account) with the account type D - Customers.

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Enhance or overwrite the standard logic



These configurations are all optional:

- **Define Flow Types:** extend standard Flow Types if necessary.
- **Assign Flow Types to G/L Accounts:** define further derivation logic from G/L Accounts (explained in next page)
- **Assign Flow Types to Planning Levels:** give Flow Types to the data imported from remote classic cash management component (e.g. specify which planning levels are actual "90**", and which planning levels are forecast "60**" or "60**").

Configure Flow Type in BSEG (optional)



This configuration extend or overwrite the pre-defined derivation logic from G/L Account to Flow Types.

The logic defined here applies to BSEG records only.

You might have other bank clearing accounts used in e.g. Bank Transfer configuration under *Financial Accounting (New) -> Bank Accounting -> Business Transactions -> Payment Transactions -> Payment Request -> Define Clearing Accts for Receiving Bank for Acct. Transfer or Define Clearing Accounts for Cross-Country Bank Account Transfers*. The system doesn't assign default Flow Types to these bank clearing accounts, therefore you need to define them in this configuration.

Liquidity Item Customizing



Liquidity Item specifies the business purpose or origination of the cash flow.

In cash management reports, categorize the cash flows into a structure with business meaning, for example, cash flows from Operations, cash flows from Investment, or cash flows from Financing activities.

Both Financial Accounting (database table BSEG) and One Exposure from Operations table (database table FQM_FLOW) have the field Liquidity Item.

For Memo Records, end users can enter liquidity item information when creating memo records.

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Liquidity Item Hierarchy



- IMG (t-code SPRO) Financial Supply Chain Management > Cash and Liquidity Management > Cash Management > Liquidity Items > Define Liquidity Item Hierarchies
- The liquidity item hierarchy defined here can be selected in cash management report e.g. Cash Position for end user to get a desired structure of cash flows.

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Liquidity Item derivation – Query and Query Sequence



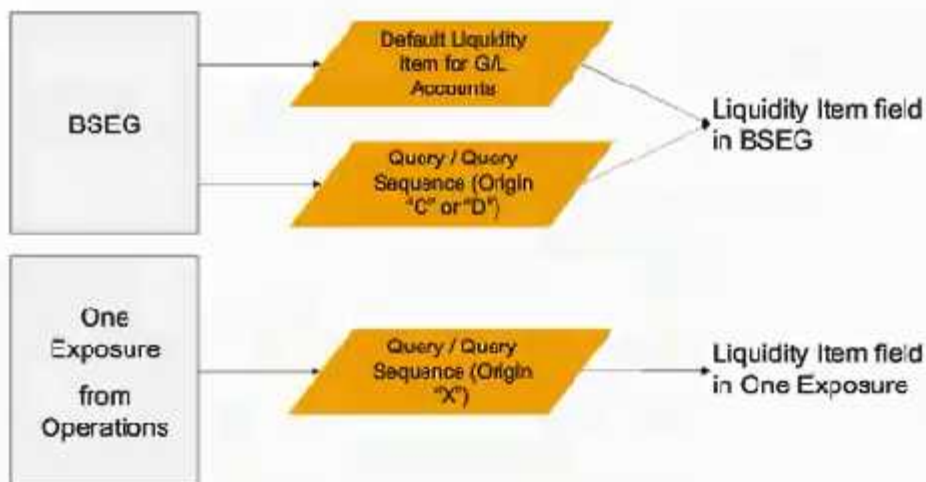
1. Create a query sequence for the new origin (transaction code FLQC15).
2. Create queries to be linked to the query sequence (transaction code FLQQA1).
3. Assign the queries to the query sequence (transaction code FLQQA5).
4. Define default liquidity item derivation parameters for Company Code (transaction code FLQC0).

Define derivation rule for liquidity item to generate liquidity item automatically

- IMG Path : SPRC->Financial Supply Chain Management->Cash and Liquidity Management->Cash Management->Derivation Rules for Liquidity Items

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Liquidity Item derivation – Origins for Query and Query Sequence



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Liquidity Item derivation – Default Liquidity Item for G/L Accounts

Change View "Liquidity Calculation - Accounts with Assignment Information"

Navigation icons: Home, Edit, Print, Refresh, etc.

Liquidity Calculation - Accounts with Assignment Information

G/L	Co.	Account Name	Account Id.	Incl/Excl	Default Value	Name
DNT	130001			Incl	SAP00001	check payable
DNT	130000	Inclusive of defined value changes		Incl	SAP00003	bank transfer foreign
DNT	130000	Exclusive of defined value changes		Excl	SAP00004	automatic debt
DNT	130000			Incl	SAP00005	TRM payments
DNT	130000			Incl	SAP00006	other status postings
DNT	130000			Incl	SAP00007	checks received
DNT	130000			Incl	SAP00008	customer incoming payr
DNT	100000			Incl	LF_000	Operative Cash Outflow
DNT	194400			Incl	TOP001	Treasury Cash Flow
DNT	190400			Incl	LF_000	Operative Cash Outflow
DNT	471000			Incl	CS200000007	Expense

- IMG (t-code SPRO) Financial Supply Chain Management > Cash and Liquidity Management > Cash Management > Liquidity Items > Deviation Rules for Liquidity Items > Define Default Liquidity Items for G/L Accounts
- Liquidity Item derivation logic by query and query sequence has higher priority than the default one for G/L accounts.

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Planning Level and Planning Group

The image shows two screenshots from the SAP IMG configuration tool. The top screenshot shows the 'Define Default Liquidity Items for G/L Accounts' configuration screen, with a red box highlighting the 'Planning Level' and 'Planning Group' fields. The bottom screenshot shows the 'Define Default Liquidity Items for G/L Accounts' configuration screen, with a red arrow pointing to the 'Planning Level' field.

The Planning Level and Group need to be configured, in order to ensure all integration points with other components are working.

- You need to assign a Planning Group to customer or vendor master data, so that the system ensures to calculate Planning Date (field FDTAG) in corresponding accounting documents.
- You need to assign Planning Level to G/L Accounts (for example, the bank clearing G/L account), so that the system ensures to calculate Planning Date (field FDTAG) in the accounting documents.
- You can assign a planning level for Treasury deals. The configuration is under IMG: Financial Supply Chain Management -> Treasury and Risk Management -> Transaction Manager -> General Settings -> Link to Cash Management -> Assign Planning Levels.
- You can specify the Planning Levels of the bank account balance data uploaded through excel file under IMG: Financial Supply Chain Management -> Cash and Liquidity Management -> Cash Management -> Flow Types -> Assign Planning Levels to Flow Types

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Activate source applications

Source App.	Date	Company	Active
RECEIVABLE MANAGEMENT	2015		ACTIVE
TRAVEL AND EXPENSE REPORT	2015		ACTIVE
STANDARD AND RECEIVABLE	2015		ACTIVE
FINANCIAL MANAGEMENT	2015		ACTIVE

Activate Individual Source Applications:

- Maintenance view: FQMV_ACT_COMP
- Once a source application has been activated, the transactions from the application are included in reporting for cash management
- To activate source applications for mass company codes easily, transaction FQM_ACTIVAT can be used

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Switch of classic Cash Management – Deprecated

Activate This is for classic Cash Management only, not relevant to SAP Cash Management powered by SAP HANA

• SAP Cash Management powered by SAP HANA is switched on through the Business Function mentioned in the previous page.

• Classic Cash Management cannot work any longer in SAP Simple Finance add-on.

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Bank Statement Monitor - Settings

Settings for Bank Statement Monitor

IMG Path: Financial Supply Chain Management -> Bank Communication Management -> Bank Statement Monitor -> Settings for Bank Statement Monitor

- Bank Statement Monitor is using the backend of Bank Communication Management's Bank Statement Monitor function.
- Therefore the configuration must be done for each House Bank Account to be included in the monitoring.

FTE BMM: Settings for Bank Statement Monitor

Code/House BK	Acct ID	Process St...	Differences...	Scale No. ...	Reconc. Its In...	Interval Unit	Calendar
WT1101	01032V	✓	✓	✓	✓	1	Calendar
WT1101	01032V	✓	✓	✓	✓	1	Calendar
WT1101	01032V	✓	✓	✓	✓	1	Calendar
WT1101	01032V	✓	✓	✓	✓	1	Calendar
WT1101	01032V	✓	✓	✓	✓	1	Calendar
WT1101	01032V	✓	✓	✓	✓	1	Calendar
WT1101	01032V	✓	✓	✓	✓	1	Calendar
WT1101	01032V	✓	✓	✓	✓	1	Calendar
WT1101	01032V	✓	✓	✓	✓	1	Calendar
WT1101	01032V	✓	✓	✓	✓	1	Calendar

Calendar: 0010

Allow bank: 01

Amount S: 0000

FTE BMM: Settings for Bank Statement Monitor

Display Status

Display Warning

Display Error

Display Info

Display All

Display None

Display Only

Display All

Display Only

Display None

Display All

Display Only

Display None

Display All

Display Only

Display None

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Make Bank Transfer - Settings

Payment Request relevant configurations

IMG Path: Financial Accounting (New) -> Bank Accounting -> Business Transactions -> Payment Transactions

- Make Bank Transfer creates payment request to process cash transfers

Payment Request

Transaction: 15

Display: 0010

Payment Request

Transaction: 15

Display: 0010

Payment Request

Transaction: 15

Display: 0010

Payment Request

Transaction: 15

Display: 0010

Payment Request

Transaction: 15

Display: 0010

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Bank Risk - Settings

Define Rating for Banks

IMG Path: Financial Supply Chain Management -> Treasury and Risk Management -> Basic Functions -> Settings for Financial Services -> Ratings / Credit Standing -> Credit Standing -> Define Rating

- Ratings are part of the business partner's credit standing data

The image shows two screenshots from the SAP IMG. The left screenshot is a navigation tree for 'Financial Supply Chain Management'. The path is: Financial Supply Chain Management > Treasury and Risk Management > Basic Functions > Settings for Financial Services > Ratings / Credit Standing > Credit Standing > Define Rating. The 'Define Rating' node is highlighted with a red box. The right screenshot is titled 'Change View "Define Rating": Overview'. It shows a table with the following data:

Key	Value
0	Null
1	A+
2	A
3	A-
4	A-
10	B++
11	B+
12	B
13	B-
14	B-

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Summary

You should now able to:

- Describe the required customizing settings of Cash Operations

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Agenda

Using Cash Operations

Customizing Cash Operations

Setting up data for Cash Operations



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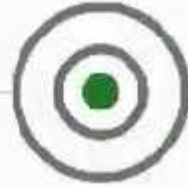


Lesson 3: Setting up data for Cash Operations

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Learning Objective



After completing this lesson, you will be able to:

- Understand how to build up the data from legacy system for Cash Operations

Scenario



You are interested in the steps of data initialization in Cash Operations.

Data Set Up 3-1: Flow Type and Liquidity Item in BSEG

Dictionary: Display Table

Transaction Code: S001

Table Description: Accounting Document Segment

Tab	Key	Doc Element	Doc Type	Length	Dec.	Bank Description
1	1	1	1	4	0	ACCOUNTING YEAR
2	1	1	1	4	0	ACCOUNTING YEAR
3	1	1	1	4	0	ACCOUNTING YEAR
4	1	1	1	4	0	ACCOUNTING YEAR
5	1	1	1	4	0	ACCOUNTING YEAR
6	1	1	1	4	0	ACCOUNTING YEAR
7	1	1	1	4	0	ACCOUNTING YEAR
8	1	1	1	4	0	ACCOUNTING YEAR
9	1	1	1	4	0	ACCOUNTING YEAR
10	1	1	1	4	0	ACCOUNTING YEAR
11	1	1	1	4	0	ACCOUNTING YEAR
12	1	1	1	4	0	ACCOUNTING YEAR
13	1	1	1	4	0	ACCOUNTING YEAR
14	1	1	1	4	0	ACCOUNTING YEAR
15	1	1	1	4	0	ACCOUNTING YEAR
16	1	1	1	4	0	ACCOUNTING YEAR
17	1	1	1	4	0	ACCOUNTING YEAR
18	1	1	1	4	0	ACCOUNTING YEAR
19	1	1	1	4	0	ACCOUNTING YEAR
20	1	1	1	4	0	ACCOUNTING YEAR

Rebuild Flow Type and Liquidity Item in BSEG:

- Account Document Segment table is enhanced with two additional fields: Flow Type and Liquidity Item
- Rebuild Flow Types (t-code FQM_UPD_FLOW_TYPE)
- Rebuild Liquidity Item (t-code FQM_UPD_LITEM)

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Data Set Up 3-2: House Bank and House Bank Account in BSEG

Dictionary: Display Table

Transaction Code: S001

Table Description: Accounting Document Segment

Tab	Key	Doc Element	Doc Type	Length	Dec.	Bank Description
1	1	1	1	4	0	ACCOUNTING YEAR
2	1	1	1	4	0	ACCOUNTING YEAR
3	1	1	1	4	0	ACCOUNTING YEAR
4	1	1	1	4	0	ACCOUNTING YEAR
5	1	1	1	4	0	ACCOUNTING YEAR
6	1	1	1	4	0	ACCOUNTING YEAR
7	1	1	1	4	0	ACCOUNTING YEAR
8	1	1	1	4	0	ACCOUNTING YEAR
9	1	1	1	4	0	ACCOUNTING YEAR
10	1	1	1	4	0	ACCOUNTING YEAR
11	1	1	1	4	0	ACCOUNTING YEAR
12	1	1	1	4	0	ACCOUNTING YEAR
13	1	1	1	4	0	ACCOUNTING YEAR
14	1	1	1	4	0	ACCOUNTING YEAR
15	1	1	1	4	0	ACCOUNTING YEAR
16	1	1	1	4	0	ACCOUNTING YEAR
17	1	1	1	4	0	ACCOUNTING YEAR
18	1	1	1	4	0	ACCOUNTING YEAR
19	1	1	1	4	0	ACCOUNTING YEAR
20	1	1	1	4	0	ACCOUNTING YEAR

Populate House bank and House bank account for existing entries in BSEG:

- Transaction Code: FQM_UPD_HBK_HKT
- In this program, system finds the house bank and house bank account from imported bank statements, payments for open items (F110) and payment request (F111) and inserts the information in BSEG.

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Data Set Up 3-3: Load Cash relevant information to One Exposure

Load Transaction Data

Note

Load Transaction Data
 Reset Transaction Data

Technical Settings

Test Run
 Parallel Processing of Links
Number of Links: 2

File

General Parameters

Display Code: 0011 TR
Source Application: TR

Treasury Accounts Management Customer and Mortgage Loans

Treasury

Product Type: CO
Product Category: CO
Transaction: TR
Key Date: 10.02.2015

Load Legacy Transaction Data relevant to Cash Management to One Exposure:

- Transaction Code: FQM_INITIALIZE
- Load transaction data from a source applications into One Exposure from Operations so that the data is available for cash management reporting.

Real-time update of transactional data

Data Set Up procedure needs to be executed once before go-live, or if there is any corresponding customizing change that make it necessary to re-set up the data to reflect customizing change.

Afterwards, BSEG data's corresponding information (Liquidity Item and Flow Type) are updated real-time when the BSEG record is inserted; One Exposure from Operations data integrated from local system (TRM, CML, or FICA) is updated real-time.

Summary

You should now able to:

- Describe how to build up the data from legacy system for Cash Operations



Unit 5: Liquidity Management

Agenda

Using Liquidity Management



Customizing Liquidity Management

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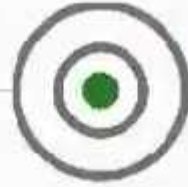


Lesson 1: Using Liquidity Management

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Learning Objective



After completing this lesson, you will be able to:

- Understand the business context of Liquidity Management
- Understand the detailed feature of Liquidity Management

Scenario



You are interested in the detailed functions in Liquidity Management.

Function Overview of Liquidity Management

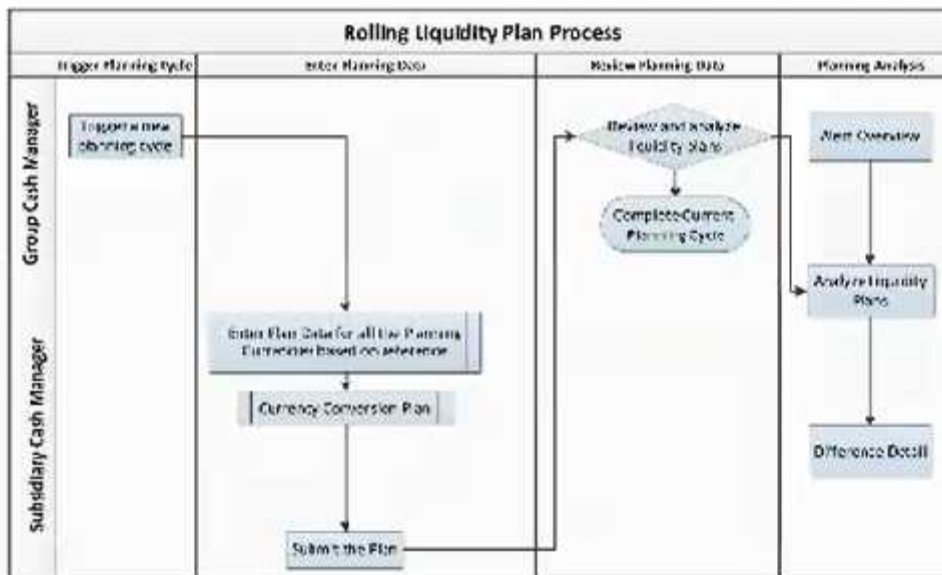


Liquidity Management

- Complete lifecycle management of Rolling Liquidity Planning
- System provides reference data to help Cash Manager to plan the liquidity precisely and easily
- Functionality to plan hedging of operating activities for foreign currencies
- Plan/Plan, Plan/Forecast and Plan/Actual comparisons
- Overview suspicious plans
- Liquidity Forecast
- Cash Flow Analysis

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Rolling Liquidity Plan Process Flow Diagram



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Develop Liquidity Plans



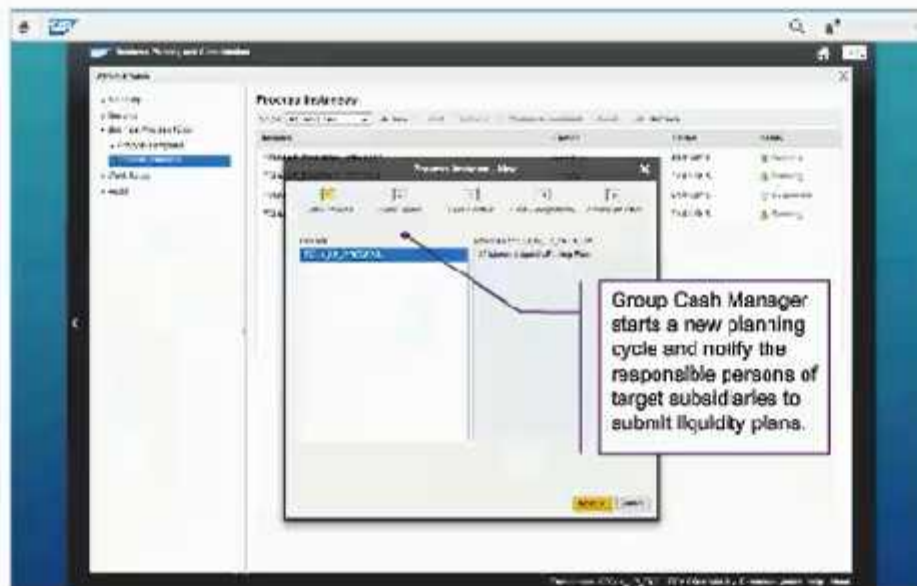
Develop Liquidity Plans (Fiori ID: F0738)

- With the app Develop Liquidity Plans, the group cash manager can regularly trigger a new planning cycle for a liquidity plan. Subsidiary cash managers then enter the liquidity plans for the relevant planning period and submit the plan to the group cash manager for approval. The timely and precise estimates of future balance and operative cash inflow and outflow allow subsidiary cash managers to ensure that payment obligations can be met and support group cash managers making investment or financing plans. The entire process management is powered by BPC.
- Develop Liquidity Plans includes five major functionalities: Start New Planning Cycle, Track Status, Review Liquidity Plans, Enter Liquidity Plans and Display Liquidity Plans.

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Develop Liquidity Plans

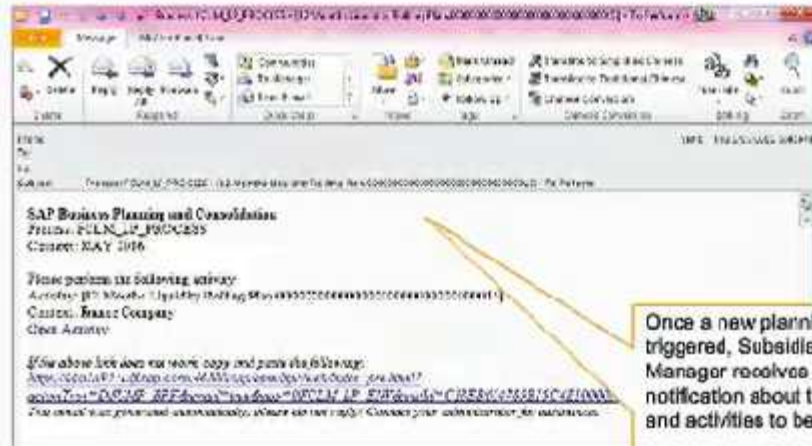
Group Cash Manager – Start New Planning Cycle



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Develop Liquidity Plans

Subsidiary Cash Manager – Get email notification

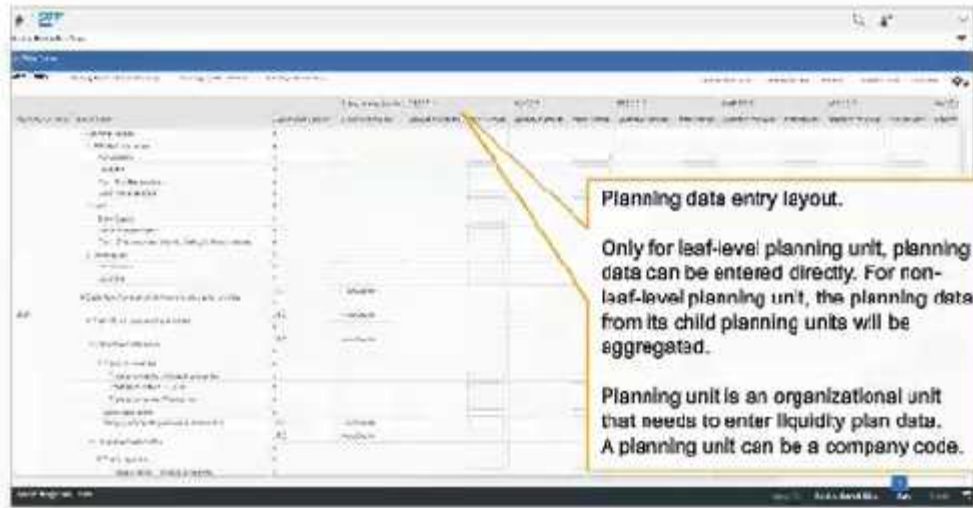


Once a new planning cycle is triggered, Subsidiaries Cash Manager receives an email notification about the planning cycle and activities to be performed.

Subsidiaries Cash Manager can also open the activity from the 'Develop Liquidity Plans - Enter Liquidity Plan' tile.

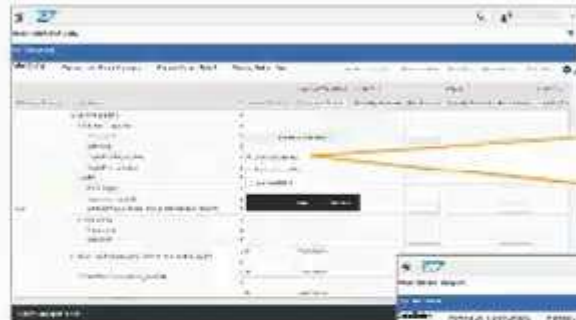
Develop Liquidity Plans

Subsidiary Cash Manager – Enter Plan Data



Develop Liquidity Plans

Subsidiary Cash Manager – Get Reference Data for Planning



Subsidiary Cash Manager can select multiple reference sources. The selected reference sources will be displayed on the column of the planning data entry page.

The reference sources can be Liquidity Forecast, Previous Cycle Plan, Last Year Actual.

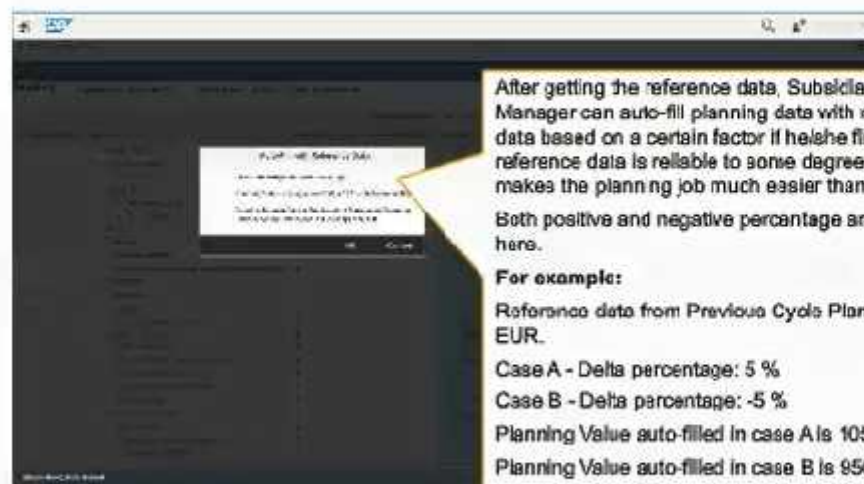
Subsidiary Cash Manager can get reference data of selected data source for the 12 months involved in planning.



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Develop Liquidity Plans

Subsidiary Cash Manager – Auto-fill with Reference Data



After getting the reference data, Subsidiary Cash Manager can auto-fill planning data with reference data based on a certain factor if he/she finds the reference data is reliable to some degree, which makes the planning job much easier than before.

Both positive and negative percentage are allowed here.

For example:

Reference data from Previous Cycle Plan is 1000 EUR.

Case A - Delta percentage: 5 %

Case B - Delta percentage: -5 %

Planning Value auto-filled in case A is 1050 EUR.

Planning Value auto-filled in case B is 950 EUR.

Note that the forecasted opening balance for the first month is copied to related planning cell regardless of the factor.

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Develop Liquidity Plans

Subsidiary Cash Manager – Auto-fill with Planning Data

The screenshot shows the SAP Subsidiary Cash Manager interface. A table displays planning data for various months. A yellow callout box points to a specific column in the table, indicating that data entered in one month can be copied to other months.

Once Subsidiary Cash Manager entered the plan data for a month, he/she can select the plan column and copy it to the plan column of the following months.

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Develop Liquidity Plans

Subsidiary Cash Manager – Plan Hedging of Operating activities 1

The screenshot shows the SAP Subsidiary Cash Manager interface with a hedging plan table. A yellow callout box points to a specific row in the table, illustrating how a hedging plan is entered for a foreign currency surplus or deficit.

If subsidiary has foreign currency deficit or surplus, Subsidiary Cash Manager can plan hedging with headquarter.

Example:

France company has 1000 USD foreign currency surplus and need hedge with headquarter by exchanging 1000 USD into 500 EUR. The cash manager enter a currency conversion plan for this surplus. 500 EUR which is Amount In Conversion Currency is calculated automatically on the popup.

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Develop Liquidity Plans

Subsidiary Cash Manager – Plan Hedging of Operating activities 2

Company	Currency	Amount	Date
FRANCE	EUR	500	2015-01-01
FRANCE	USD	1000	2015-01-01
FRANCE	EUR	500	2015-01-01

Example:
An inflow 500 in EUR for France company is filled automatically.

Example:
An outflow 1000 in USD for France company is filled automatically.

Company	Currency	Amount	Date
FRANCE	EUR	500	2015-01-01
FRANCE	USD	1000	2015-01-01
FRANCE	EUR	500	2015-01-01

Develop Liquidity Plans

Subsidiary Cash Manager – Plan Hedging of Operating activities 3

Company	Currency	Amount	Date
FRANCE	EUR	500	2015-01-01
FRANCE	USD	1000	2015-01-01
FRANCE	EUR	500	2015-01-01
HEADQUARTER	USD	1000	2015-01-01
HEADQUARTER	EUR	600	2015-01-01

Example:
An inflow 1000 in USD for headquarter is filled automatically.

Example:
The outflow 600 in EUR for headquarter is filled automatically.

Company	Currency	Amount	Date
FRANCE	EUR	500	2015-01-01
FRANCE	USD	1000	2015-01-01
FRANCE	EUR	500	2015-01-01
HEADQUARTER	USD	1000	2015-01-01
HEADQUARTER	EUR	600	2015-01-01

Develop Liquidity Plans

Group Cash Manager – Get the notification

Group Cash Manager receives an email notification asking him/her to review the planning submitted by Subsidiary Cash Manager.

Group Cash Manager can also open the review activity from the 'Develop Liquidity Plans - Review Liquidity Plan' tile.



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Develop Liquidity Plans

Group Cash Manager – Review Liquidity Plans

Before Group Cash Manager make the decision of accepting or rejecting the plan, he/she can make use of the functions on the screen to help him review the plans from the subsidiaries.

In dropdown list opened from Reference Data button, Group Cash Manager can:

- Check reference data from different reference source.
- In dropdown list opened from Related Links button, Group Cash Manager can:
 - Go to aggregation view to review the planning amount aggregated in aggregation currency configured on the group.
 - Go to Liquidity Plans app to check various analysis reports.
 - Check plan from previous cycle.
 - Check the planning status of the subsidiaries.

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Develop Liquidity Plans

Group Cash Manager – Track Status

The screenshot displays the SAP Group Cash Manager interface. At the top, there is a navigation bar with the SAP logo and a search icon. Below this is a header area with the text 'GROUP CASH MANAGER TRACK STATUS'. The main content area features a table with columns for 'Plan Unit', 'Period', 'Status', and 'Description'. The table lists various planning units under different categories such as '1.1. Group', '1.2. Subsidiary', and '1.3. Other'. A yellow callout box points to the 'Status' column, containing the following text:

Group Cash Manager can also track the planning status by planning unit hierarchy. When the planning deadline is approaching, he/she can identify the subsidiaries which haven't submitted their plans and contact the responsible subsidiary cash manager to check what happened.

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Liquidity Plans



Liquidity Plans (Fiori ID: F0767)

- Cash managers need various reports analyzing the liquidity plans to help them increase the reliability of the liquidity plans. Typically, the continuous analysis of actual, plan and forecast data, and alert of the significant difference between current plan and the previous one is essential for cash manager to keep in track on each planning cycle.

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Liquidity Plans

Cash Manager – Overview Suspicious Plans

The screenshot displays the 'Overview Suspicious Plans' report in SAP Cash Manager. It features a table with columns for 'Account', 'Plan', 'Plan 2', 'Change', 'Plan Currency', and 'Plan 2 Currency'. Below this is a detailed table with columns for 'Account', 'Plan', 'Plan 2', 'Change', 'Plan Currency', 'Plan 2 Currency', 'Actual', 'Forecast', 'Plan', and 'Plan 2'. Callouts provide the following information:

- The report alerts the cash manager about the significant difference between current plan and previous plan.
- The Cash manager can locate the significant differences in which liquidity item and planning unit and also can find responsible person of the planned data.
- The data is aggregated in the aggregation currency configured on the root planning unit.
- The Cash manager can check the aggregated data in the original planning currency.
- Difference between plan and forecast, plan and actual are also listed on the table.

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Liquidity Plans

Cash Manager – Liquidity Plans by Aggregation or Planning Currency

The screenshot displays the 'Liquidity Plans by Aggregation or Planning Currency' view in SAP Cash Manager. It features a bar chart comparing 'Plan', 'Forecast', and 'Actual' data across 12 months. Below the chart is a table with columns for 'Month', 'Plan', 'Forecast', and 'Actual'. Callouts provide the following information:

Liquidity plan by Planning/Aggregation Currency graphic view.
 On this view, cash manager can compare selected planning cycle's plan amount with previous planning cycle's, and with actual transaction data.
 Also minimum and maximum plan amount from last 12 planning cycles is calculated for each calendar month involved in the planning of selected planning cycle.
 In the chart, cash manager can get a clear view for the plan gap, plan trend, and plan position between minimum and maximum plan data.

Liquidity plan by Planning/Aggregation Currency table view.
 In this view, cash manager can know the plan amount from last 12 planning cycles, actual data and forecast data on 12 calendar months involved in planning of selected planning cycle.

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Liquidity Plans

Cash Manager – Check Difference Details by Aggregation or Planning Currency

The screenshot displays a table with columns for various financial metrics. Two callout boxes provide instructions:

Left Callout: When cash manager check the analysis on graphic view of Liquidity Plan by Planning / Aggregation Currency screen, he/she can navigate to Difference Details by Planning / Aggregation Currency to check the detailed planning amount by liquidity item hierarchy in order to locate suspicious amount; belonging to which liquidity item.

Right Callout: When cash manager checks the Difference Details by Aggregation Currency, he/she can selected a row to check how the planning amount of selected planning cycle is aggregated. In the popup, cash manager can check the distribution of the total amount by planning currency and also check the related exchange rate.

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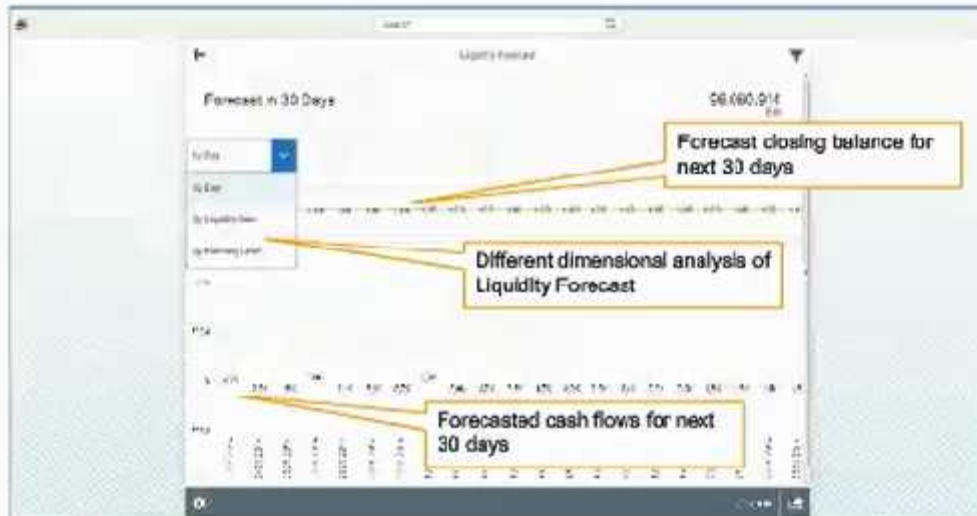
Liquidity Forecast



Liquidity Forecast (Fiori ID: F0512)

- The analytical app displays the Key Performance Indicator (KPI) Liquidity Forecast. With Liquidity Forecast, end user can forecast the liquidity trend for future days.

Liquidity Forecast – Analysis Dimensions



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Cash Flow



Cash Flow – Detailed Analysis (Fiori ID: F0740)

- With the Cash Flow - Detailed Analysis app, end user can get an overview of the daily cash inflows and outflows, and analyze them for the last weeks or months for all subsidiaries and liquidity items. End user can then identify the extraordinary and abnormal cash flows, ensure that they were accurate and compliant, and that they have taken the liquidity planning into account. The data presented in the app can be used to give an overview of the cash flow status to the management.
- Cash inflows and outflows are calculated in remote systems (with the help of the SAP Liquidity Planner) and transferred periodically into the central Cash Management system.

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Cash Flow Analysis – Detailed View



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Summary

You should now able to:

- Describe the business context of Liquidity Management
- Describe the detailed feature of Liquidity Management

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Agenda

Using Liquidity Management

Customizing Liquidity Management



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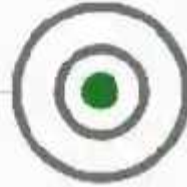


Lesson 2: Customizing Liquidity Management

The SAP logo, consisting of the letters 'SAP' in white on a blue rectangular background.

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Learning Objective



After completing this lesson, you will be able to:

- Understand the required customizing settings of Develop Liquidity Plans app and Liquidity Plans app
- Configure KPI modeler of Liquidity Forecast app
- Understand the required customizing settings of Cash Flow

Scenario



You are interested in the customizing in Liquidity Management.

Install BW content

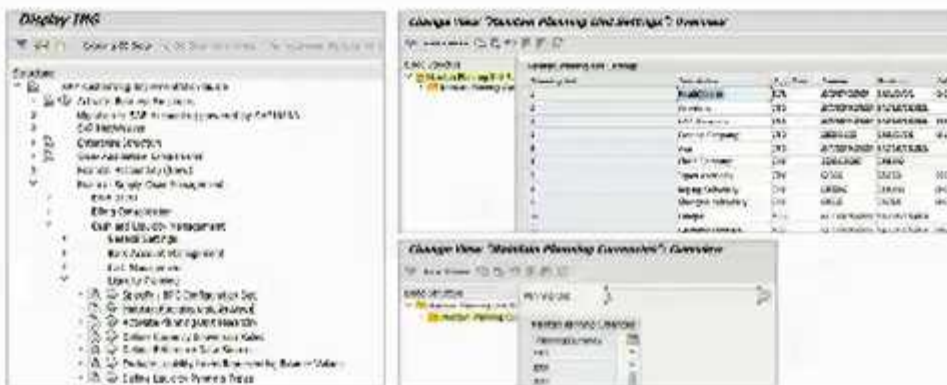


Install BW content

- BI Content Bundle: FIN_CLM_PLANNING

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Maintain Planning Unit Setting



Maintain Planning Unit Setting

- Maintenance view cluster: FCLM_VC_ORG_UNIT
- Planning unit and its related attributes description, aggregation currency, performer, reviewer and company code can be configured in the view 'Maintain Planning Unit Settings'
- Planning currencies can be defined for Planning unit in the drilldown view 'Maintain Planning Currencies'

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Maintain Planning Unit Hierarchy Setting

Hierarchy 'SAP Group' Display: 'Active Version'

SAP Group	InfoObject	Node Name	1.
Group	/ERP/ORG_UNIT	00000000000000000000000000000016	
HeadQuarter	/ERP/ORG_UNIT	00000000000000000000000000000017	
Europe	/ERP/ORG_UNIT	00000000000000000000000000000018	
Asia	/ERP/ORG_UNIT	00000000000000000000000000000019	
Americas	/ERP/ORG_UNIT	00000000000000000000000000000020	
17	/ERP/ORG_UNIT	00000000000000000000000000000021	

Maintain Planning Unit Hierarchy Setting

- Start BW modeling via t-code RSA1. Find the Info-object /ERP/ORG_UNIT under Modeling->InfoObjects->Financial Management and Controlling (technical name: /ERP/FMCO)->Cash and Liquidity Management->Characteristics.
- Double click the info-object 'Planning Unit'. In the 'Hierarchy' tab, click 'Maintain Hierarchy' button.
- Create a new Planning Unit hierarchy. Give the name and description.
- New hierarchy node via the button 'Planning Unit'.
- Define a planning unit named 'Head Quarter' with key '1' which used for currency conversion side.
- If planning unit hierarchy is maintained in BI client, it is required to maintain all planning units with same key as units in business client, or planning unit hierarchy can be maintained directly in business client with t-code RSH1.

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Check Planner and Reviewer of Planning Unit

Change View 'Maintain Planning Unit Settings': Overview

Planning Unit	Description	App. Unit	Planner	Reviewer	CODE
1	HeadQuarter	000	SUPERVISOR	SUPERVISOR	0001
2	Financial	000	SUPERVISOR	SUPERVISOR	
3	USA Company	000	SUPERVISOR	SUPERVISOR	0001
4	Germany Company	000	SUPERVISOR	SUPERVISOR	0002
5	Asia	000	SUPERVISOR	SUPERVISOR	
6	China Company	000	User	USER00	
7	Japan Company	000	CLCO	CLCO00	0100
8	Europe Subsidiary	000	CLCO	CLCO00	0000
9	Shanghai Subsidiary	000	CLCO	CLCO00	0000
10	Europe	000	SUPERVISOR	SUPERVISOR	
11	Germany Company	000	SUPERVISOR	SUPERVISOR	0001

Subsidiary (indicated by a bracket on the left side of the table rows 6-11)

Check Planner and Reviewer of Planning Unit

- Maintenance view cluster: FCLM_VC_ORG_UNIT
- After the Planning Unit Hierarchy has been defined in previous step, the Planner and Reviewer of Planning Unit need to be checked to make sure that the Reviewer of the subsidiary Planning Unit is consistent with the Planner of the parent Planning Unit. Otherwise, the status of BPC can not modified as expected.

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Activate Planning Unit Hierarchy



Activate Planning Unit Hierarchy

- Use this customizing activity to set the Planning Unit Hierarchy to the active hierarchy which will be uniquely used in the whole Liquidity Planning area.
- If error message occurred in during the activation, please follow the message description to correct the Planning Unit master data. There are some typical errors: planning currency cannot be assigned to planning unit without company code, planners and reviewers are not assigned correctly.

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Define Currency Conversion Rules



Define Currency Conversion Rules

- Should use "1" for target planning unit for the new rule currently, otherwise currency conversion will not work from UI side
- To mitigate the risks of possible exchange rate fluctuations, you may want to hedge against exchange risks by exchanging your cash surplus into another currency. To do so, you must first define the rules for currency conversion using this Customizing activity.
- Define a currency conversion rule for each currency defined for an Planning Unit that you want to convert

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Define Reference Data Sources



Display View "Define Reference Data Sources": Overview

Key	Description	Type
001	AGRE	AGREEMENT
002	LIQUIDITY PLAN	LIQUIDITY PLAN
003	FINANCIAL PLAN	FINANCIAL PLAN
004	FINANCIAL PLAN	FINANCIAL PLAN

Define Reference Data Sources

- Maintenance view: FCLM_V_SUGG
- Reference data sources are used to classify the source of suggested value
- Key 001-004 are from SAP standard delivery.
- User can define own reference data sources in this customizing activity other than the standard one

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Define Planning Type



Display View "Define Planning Types": Overview

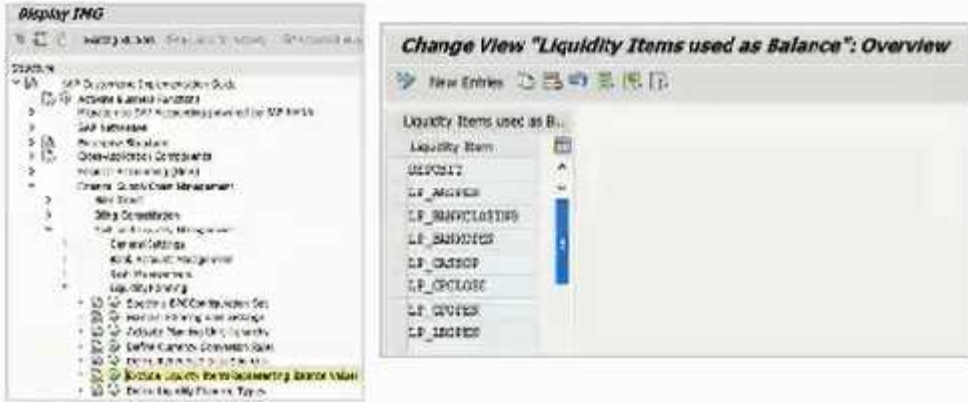
Plan Type	Description	Type
000001	Non-Rolling Plan	Non-Rolling Plan
000002	Monthly Rolling Plan	Monthly Rolling Plan

Define Planning Type

- Maintenance view: FCLM_V_PLAN_TYPE
- Planning type is used to classify the different kind of planning data
- Type Monthly Rolling Plan and Non-Rolling Plan are from SAP standard delivery
- User can define own planning type in this customizing activity other than the standard one

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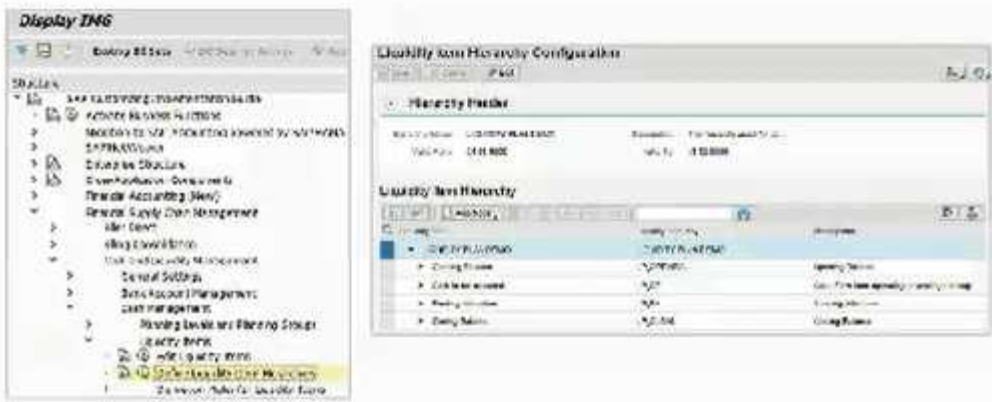
Define Liquidity Items Used as Balance



Define Liquidity Items Used as Balance

- Maintenance view: FCLM_LP_EX_BAL
- Balance-related liquidity items differentiate themselves from other low-related liquidity items

Maintain Liquidity Item Hierarchy



Maintain Liquidity Item Hierarchy

- Use T-Code M_LQH to maintain the sample liquidity hierarchy
- SAP Note 2145500 describes the sample liquidity item and liquidity item hierarchy customizing information which is required by application 'Develop Liquidity Plans'

Sample Liquidity Item Hierarchy

Item Name	Item Code	Item Description
• Liquidity Item	LP_0001	LP_0001
• Cash Position	LP_0002	LP_0002
• Cash Position	LP_0003	LP_0003
• Cash Position	LP_0004	LP_0004
• Cash Position	LP_0005	LP_0005
• Cash Position	LP_0006	LP_0006
• Cash Position	LP_0007	LP_0007
• Cash Position	LP_0008	LP_0008
• Cash Position	LP_0009	LP_0009
• Cash Position	LP_0010	LP_0010
• Cash Position	LP_0011	LP_0011
• Cash Position	LP_0012	LP_0012
• Cash Position	LP_0013	LP_0013
• Cash Position	LP_0014	LP_0014
• Cash Position	LP_0015	LP_0015
• Cash Position	LP_0016	LP_0016
• Cash Position	LP_0017	LP_0017
• Cash Position	LP_0018	LP_0018
• Cash Position	LP_0019	LP_0019
• Cash Position	LP_0020	LP_0020
• Cash Position	LP_0021	LP_0021
• Cash Position	LP_0022	LP_0022
• Cash Position	LP_0023	LP_0023
• Cash Position	LP_0024	LP_0024
• Cash Position	LP_0025	LP_0025
• Cash Position	LP_0026	LP_0026
• Cash Position	LP_0027	LP_0027
• Cash Position	LP_0028	LP_0028
• Cash Position	LP_0029	LP_0029
• Cash Position	LP_0030	LP_0030
• Cash Position	LP_0031	LP_0031
• Cash Position	LP_0032	LP_0032
• Cash Position	LP_0033	LP_0033
• Cash Position	LP_0034	LP_0034
• Cash Position	LP_0035	LP_0035
• Cash Position	LP_0036	LP_0036
• Cash Position	LP_0037	LP_0037
• Cash Position	LP_0038	LP_0038
• Cash Position	LP_0039	LP_0039
• Cash Position	LP_0040	LP_0040
• Cash Position	LP_0041	LP_0041
• Cash Position	LP_0042	LP_0042
• Cash Position	LP_0043	LP_0043
• Cash Position	LP_0044	LP_0044
• Cash Position	LP_0045	LP_0045
• Cash Position	LP_0046	LP_0046
• Cash Position	LP_0047	LP_0047
• Cash Position	LP_0048	LP_0048
• Cash Position	LP_0049	LP_0049
• Cash Position	LP_0050	LP_0050
• Cash Position	LP_0051	LP_0051
• Cash Position	LP_0052	LP_0052
• Cash Position	LP_0053	LP_0053
• Cash Position	LP_0054	LP_0054
• Cash Position	LP_0055	LP_0055
• Cash Position	LP_0056	LP_0056
• Cash Position	LP_0057	LP_0057
• Cash Position	LP_0058	LP_0058
• Cash Position	LP_0059	LP_0059
• Cash Position	LP_0060	LP_0060
• Cash Position	LP_0061	LP_0061
• Cash Position	LP_0062	LP_0062
• Cash Position	LP_0063	LP_0063
• Cash Position	LP_0064	LP_0064
• Cash Position	LP_0065	LP_0065
• Cash Position	LP_0066	LP_0066
• Cash Position	LP_0067	LP_0067
• Cash Position	LP_0068	LP_0068
• Cash Position	LP_0069	LP_0069
• Cash Position	LP_0070	LP_0070
• Cash Position	LP_0071	LP_0071
• Cash Position	LP_0072	LP_0072
• Cash Position	LP_0073	LP_0073
• Cash Position	LP_0074	LP_0074
• Cash Position	LP_0075	LP_0075
• Cash Position	LP_0076	LP_0076
• Cash Position	LP_0077	LP_0077
• Cash Position	LP_0078	LP_0078
• Cash Position	LP_0079	LP_0079
• Cash Position	LP_0080	LP_0080
• Cash Position	LP_0081	LP_0081
• Cash Position	LP_0082	LP_0082
• Cash Position	LP_0083	LP_0083
• Cash Position	LP_0084	LP_0084
• Cash Position	LP_0085	LP_0085
• Cash Position	LP_0086	LP_0086
• Cash Position	LP_0087	LP_0087
• Cash Position	LP_0088	LP_0088
• Cash Position	LP_0089	LP_0089
• Cash Position	LP_0090	LP_0090
• Cash Position	LP_0091	LP_0091
• Cash Position	LP_0092	LP_0092
• Cash Position	LP_0093	LP_0093
• Cash Position	LP_0094	LP_0094
• Cash Position	LP_0095	LP_0095
• Cash Position	LP_0096	LP_0096
• Cash Position	LP_0097	LP_0097
• Cash Position	LP_0098	LP_0098
• Cash Position	LP_0099	LP_0099
• Cash Position	LP_0100	LP_0100

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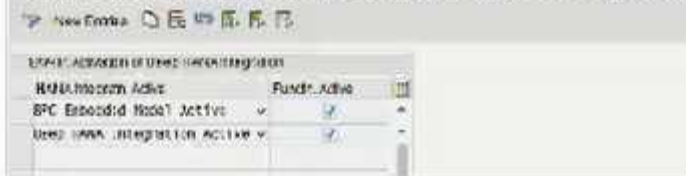
Key points for Liquidity Item Hierarchy and liquidity Items

- Current Closing balance calculation logic is based on the sample liquidity item hierarchy. If you would like to customize the liquidity item and liquidity item hierarchy, then you need to customize the closing balance calculation backend logic as well. The way to do the backend calculation customizing follows the standard BW logic;
- Liquidity item "LP_CASHOP" is used to integrate with Cash Position. "LP_CASHOP" is used to get the Cash Position for normal bank accounts;
- Liquidity item "LP_EXI" is used to do Currency Conversion as exchange into liquidity item;
- Liquidity item "LP_EXF" is used to do Currency Conversion as exchange from liquidity item;
- For liquidity item derivation rule, please refer to Learn 2 Customizing Cash Operations in Unit 4 Cash Operations

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Prerequisite for BPC content installation

Change View "BW-IP: Activation of Deep HANA Integration": Overview

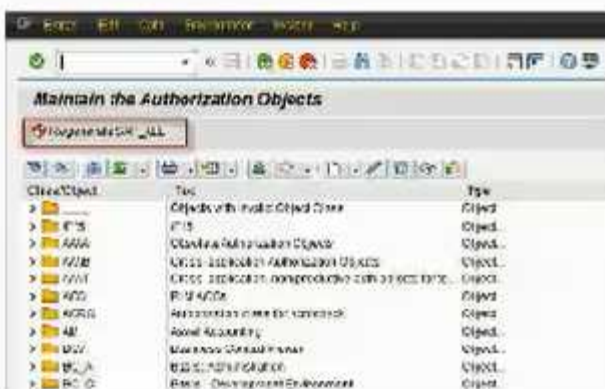


Prerequisite for BPC content installation

- Go through the BPC installation guide to make sure that all the BPC-related system settings are correct.
- Activate both BPC model and PAK model in maintenance view RSPLS_HDE_ACT via t-code SM30.

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Prerequisite for BPC content installation



Prerequisite for BPC content installation

- Use t-code SU21 and click "Regenerate SAP_ALL" button to regenerate the authorization profile for BPC authorization objects.

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Install BPC related content



Install BPC related content in RSOR

BPC Content	Technical Name
Embedded Environment	FCLM_LP_ENV
Embedded Model	FCLM_LP_MODEL
BPF	FCLM_LP_PROCESS
Workspaces	FCLM_LP_ENV/Root FCLM_LP_ENV/Public FCLM_LP_ENV/Items

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Install BPC related content

Steps for BPC content installation

- In t-code RSOR, click on Object Types in the left panel
- Expand and find object type "BPC Embedded Environment" in the middle panel, click on "Select Objects" and choose FCLM_LP_ENV in the popup window.
- In the right panel, firstly click button menu "Grouping" and choose "Data Flow Afterwards", then right click on the second row FCLM_LP_PROCESS and choose menu "Install all below", then finally button menu "Install" to start the content installation.

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Customize BPF Template



Customize BPF Template

- Go to tab "ADMINISTRATION" and choose "Process Templates". Mark on the row of the BPF template FCLM_LP_PROCESS, and click "New Variant" button.
- Choose a valid user for field "Process Monitors", and select the Planning Unit hierarchy which is activated in previous configuration step. Then click "Save" button and then click "Back" button.
- Click "Deploy" button to activate the modified template.

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Specify a BPC Configuration Set



Specify a BPC Configuration Set

- Specify a configuration set that you want to use for liquidity planning
- Only activate one configuration set

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Configure the navigation from BPC to Design Studio



Configure the navigation from BPC to Design Studio

- Create the Launchpad Configuration
- Maintain navigation parameter in program 'RSBPCB_MAINTAIN_SEM_OBJ'
- Create the navigation in BPF template

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Configure the navigation from BPC to Design Studio

Overview of Launchpads

New Launchpad
 New Repository
 System Alias Mapping
 Extended list
 Sh

Role	Instance	Description
RCC	RCC_REP	PC
TCLM_OLP	TCLM_OLP_DS_NAV	PC
RCLM_OLP_R	RCLM_OLP_DS_REVIEW	PC
RCLM_REP	RCLM_REPORT	PC

Launchpad Configuration Dialog:

Title:
 Role:
 Instance:
 Description:
 Repository:
 Launchpad Type:
 Master Language:

Configuration of Launchpad

- Create the Launchpad Configuration in T-CODE 'LPD_CUST'
- Click the 'New Launchpad', and input the mandatory fields: Role, Instance, Description

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Configure the navigation from BPC to Design Studio

Change Launchpad Role: TCM_OLP_SUBROE/TCM_OLP_ES_HAB (DR)

Details | Description | Information | Other | Other for Role-based | Other for Security options

VIEW BY: SECURED

Application Alias: **esignstudio**

Application Type: **URL**

Application URL: **http://www.sap.com/bpc/esignstudio/esignstudio.jsp?app=esignstudio&appalias=esignstudio**

Appointed Parameters

Application Alias: **esignstudio**

Target Application: **esignstudio**

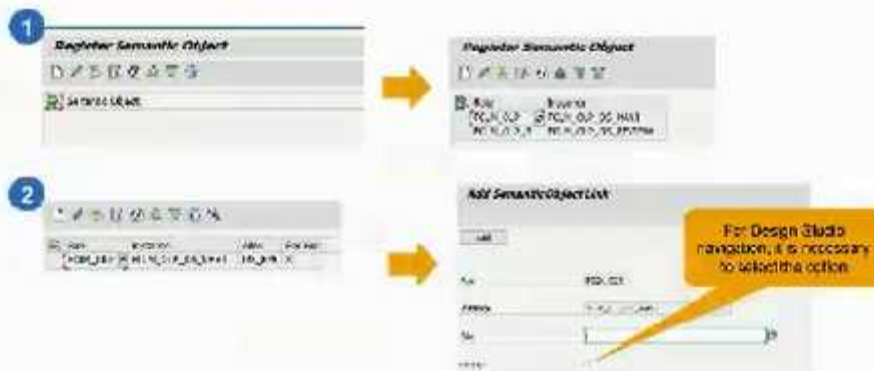
Event: **esignstudio**

Configuration of Launchpad

- Choose the Application Type: URL
- In the URL, use the URL link of Design Studio report, e.g., Input plan and review plan.
- Application Alias is also needed

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Configure the navigation from BPC to Design Studio



Configuration of navigation parameter

- Program: RSEPCB_MAINTAIN_SEM_OBJ.
- Register the semantic object by the Launchpad role, instance in the previous step.
- Enter the application alias from the previous step. For the Design Studio navigation, the 'For Fiori' must be selected.

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Configure the navigation from BPC to Design Studio

3 Maintain Navigation Object Code

Maintain Navigation Object

Obj	Obj Code	Obj Desc	Obj Type	Obj Subtype	Obj Category	Obj Subcategory	Obj Info Object	Obj Info Object Desc
1	INFOOBJ	INFO OBJECT	1	1	1	1	INFOOBJ	INFO OBJECT
2	INFOOBJ	INFO OBJECT	1	1	1	1	INFOOBJ	INFO OBJECT
3	INFOOBJ	INFO OBJECT	1	1	1	1	INFOOBJ	INFO OBJECT

Maintain Navigation Object

Obj Code: INFOOBJ
 Obj Desc: INFO OBJECT
 Obj Type: 1
 Obj Subtype: 1
 Obj Category: 1
 Obj Subcategory: 1
 Info Object: INFOOBJ
 Info Object Desc: INFO OBJECT

Configuration of navigation parameter:

- Program: RSBPCB_MAINTAIN_SEM_OBJ.
- Maintain the navigation parameter. In Liquidity Plans, the Planning Version, Liquidity Hierarchy, Planning Unit need to be maintained.
- Choose 'INFOOBJECT' as 'Reference Type', fill the 'Reference Value' by InfoObject.

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Configure the navigation from BPC to Design Studio

Edit Hyperlink

Name: [Empty]
 Description: [Empty]

Target Action

External Resource: [Empty]
 [External Web-based Application]

Web-based Application

Application: [Empty]
 Planning Version: [Empty]
 Liquidity Hierarchy: [Empty]
 Planning Unit: [Empty]

Modify activity configuration in BPF template

- Choose 'External Resource', and 'Open External Web-based Application'
- Select the application which is created in previous steps from the list.
- For the parameters, such as 'Planning Version' and 'Planning Unit', choose the 'Use Workspace Context'. For the 'Liquidity Hierarchy', choose the Liquidity Item Hierarchy which is configured in previous step.

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Summary

You should now able to:

- Describe the required customizing settings of Develop Liquidity Plans app and Liquidity Plans app
- Configure KPI modeler of Liquidity Forecast app
- Describe the required customizing settings of Cash Flow

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Unit 6: One Exposure from Operations

SAP

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Agenda

Describing the Concept of One Exposure from Operations



Presenting One Exposure Integration Scenarios (In Detail)

Configuring Integration Scenarios

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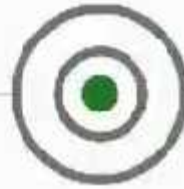


Lesson 1: Describing the Concept of One Exposure from Operations

SAP

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Learning Objective



After completing this lesson, you will be able to:

- Understand the One Exposure from Operations concept
- List which applications can be integrated into the One Exposure from Operations hub
- Explain how data is stored in One Exposure from Operations
- Explain how the data consumption works

Scenario



You want to manage all your company's exposures from operations centrally in order to better track and control financial risk. You are interested in the concept of One Exposure from Operations.

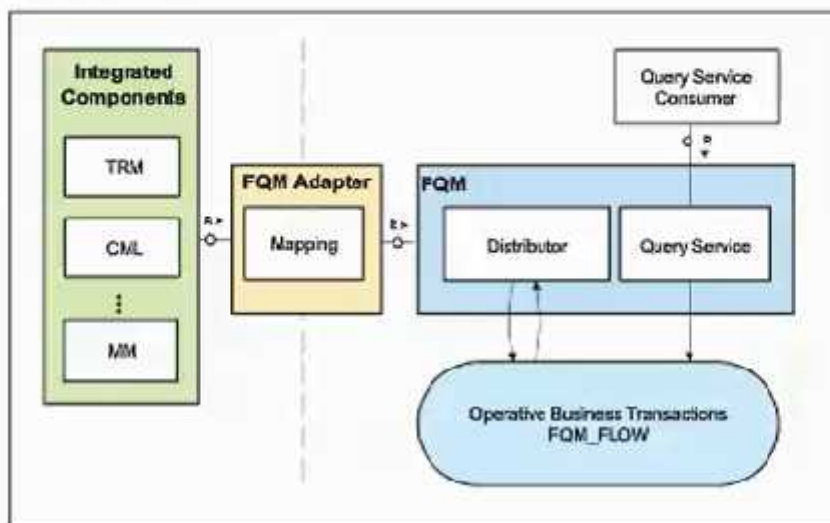
One Exposure from Operations Concept

- The One Exposure from Operations hub is designed to be the central data storage location for all operational data that is relevant for managing a company's exposures, and therefore aims to be the single source of truth for any financial risk.
- Today the One Exposure from Operations hub is a central data storage location for all operational data that is relevant for managing a company's cash and liquidity.
- Since One Exposure from Operations aims to measure and support the monitoring of uncertain future cash flows, it has to focus on recording the calculation basis for cash flows, which we call "quantity".
- The technical name of 'One Exposure from Operations' is therefore: "Financial Quantity Management - FQM".

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One Exposure from Operations Integration

Technical View



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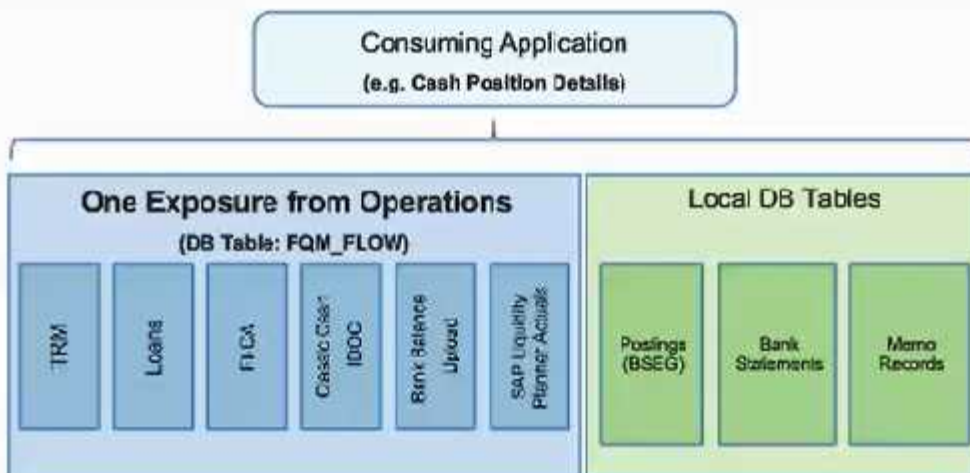
One Exposure from Operations Integration

- Sending applications (*) provide an FQM adapter which translates application data into an FQM-compatible format (mapping).
- This data is processed by the FQM distributor (**) which triggers update of this data into the central data storage location of One Exposure from Operations (table FQM_FLOW).

(*) Software layers SAP_APPL or EA-FINSERV

(**) Software layer SAP_FIN

One Exposure from Operations Data Consumption

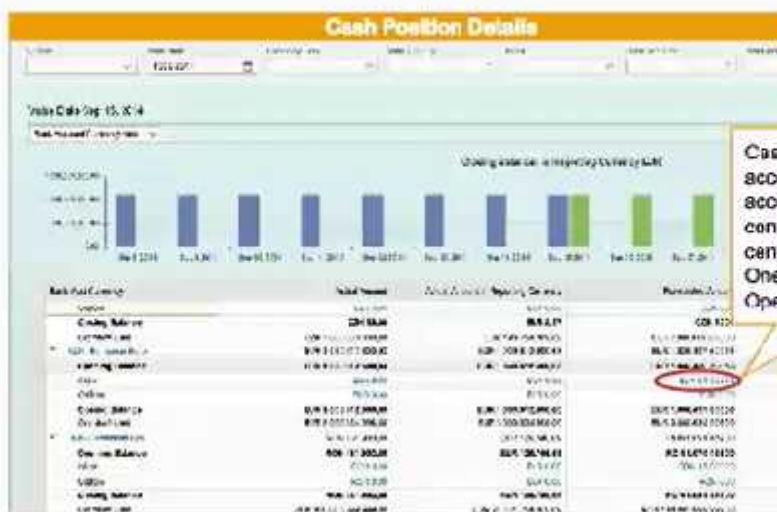


One Exposure from Operations Data Consumption

- The One Exposure from Operations hub is a central data storage location for all operational data that is relevant for managing a company's cash and liquidity.
- Today One Exposure from Operations data is consumed by applications of the product SAP Cash Management powered by SAP HANA .
- One example is the application Cash Position Details, which shows cash flows in both bank account and bank account currency views which are compiled from various data sources including One Exposure from Operations.

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Cash Position Details



Cash flows in both bank account and bank account currency views contain data from the central storage location One Exposure from Operations hub

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Summary

You should now able to:

- Understand the One Exposure from Operations concept
- List which applications can be integrated into the One Exposure from Operations hub
- Explain how data is stored in One Exposure from Operations
- Explain how the data consumption works

Agenda

Describing the Concept of One Exposure from Operations

Presenting One Exposure Integration Scenarios (In Detail)



Configuring Integration Scenarios

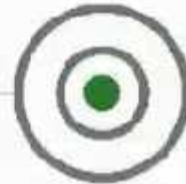


Lesson 2: Presenting One Exposure Integration Scenarios (In Detail)



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Learning Objective



After completing this lesson, you will be able to:

- Understand the details of integration scenarios in One Exposure from Operations

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Scenario



You want to understand the scope and methods of integration offered by One Exposure from Operations. You are interested in the details of the integration scenarios covered by One Exposure from Operations.

One Exposure from Operations Real-Time Update

Integration into the One Exposure from Operations hub (real-time update)

- With SAP Simple Finance Add-on 2.0 SP00, the following source applications can be integrated into the One Exposure from Operations hub:
 - MM Materials Management
 - TRM Treasury and Risk Management
 - CML Customer and Mortgage Loans
 - FICA Contract Accounts Receivable and Payable
- You have to activate integration explicitly per application and company code in Customizing (IMG).
- Once activation has taken place, all new and changed documents of the sending application are stored in the One Exposure from Operations hub.
- Existing documents of the source application can be uploaded into the One Exposure from Operations hub for each active application / company code pairing. (Initialization)

One Exposure from Operations Periodic Update

Integration into the One Exposure from Operations hub (periodic update):

- With SAP Simple Finance Add-on 2.0 SP00, the following cash flows from remote systems can be integrated into the One Exposure from Operations hub:
 - Bank Account Balances via Microsoft Excel Upload
 - Expected Cash Flows from Classic SAP Cash Management via IDoc (Distributed Cash Management)
 - SAP Liquidity Planner Actuals
- Integration does not have to be activated explicitly in the central system.
- Customizing activities must be carried out in the remote system as well as in the central system.
- Once the upload has taken place, the respective data is stored in the One Exposure from Operations hub.

Consumption of One Exposure from Operations Data

- The One Exposure from Operations hub is a central data storage location for all operational data that is relevant for managing a company's cash and liquidity.
- Today One Exposure from Operations data is consumed by applications of the product SAP Cash Management powered by SAP HANA.
- One example is the application Cash Position Details, which shows cash flows in both bank account and bank account currency views which are compiled from various data sources including One Exposure from Operations.

Cash Management Application - Cash Position Details



Cash flows in both bank account and bank account currency views contain data from the central storage location One Exposure from Operations hub

Summary

You should now able to:

- Understand the details of integration scenarios in One Exposure from Operations

Agenda

Describing the Concept of One Exposure
from Operations

Presenting One Exposure Integration
Scenarios (In Details)

Configuring Integration Scenarios



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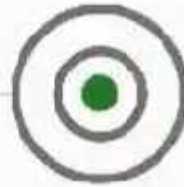


Lesson 3: Configuring Integration Scenarios

SAP

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Learning Objective



After completing this lesson, you will be able to:

- Configure and activate One Exposure from Operations
- Integrate source applications
- Integrate cash flows from remote systems
- Execute the data setup

Scenario



You want to implement One Exposure from Operations. You need to get an idea of the effort required and also to understand how to perform all the steps required to set up One Exposure from Operations.

Integration of Source Applications

To integrate a source application, you must explicitly activate the update into the One Exposure from Operations hub in Customizing (IMG).

You have the following options for activation in Customizing:

- Individual activation (per application and company code)
- Mass activation (per application and range of company codes)

The upload of existing transaction data from the source applications is optional and can be performed as a mass upload.

Integration of Cash Flows from Remote Systems

The integration of cash flows from remote systems requires:

For Bank Balance Upload:

- Maintenance of connectivity path information for remote bank account(s) in bank account master data
- Mapping of planning levels and flow types

For Distributed Cash Management:

- Cross-application configuration for IDoc configuration
- Inbound mapping of company codes, planning groups, planning levels and business areas
- Assignment of flow types to planning levels

For SAP Liquidity Planner:

- Configuration of a Web service in the central system and definition of a logical port in the remote system(s)
- Configuration of data upload (company code and payment date)
- Inbound mapping of company codes and business areas

Customizing: Source Application Integration - Activation

The screenshot shows the SAP Treasury and Risk Management navigation tree on the left. The 'Tools' menu is expanded, showing options like 'Activate Individual Source Applications' and 'Activate Multiple Source Applications'. The 'Activate Multiple Source Applications' dialog box is open on the right, showing the 'Action' section with 'Activate' selected, and the 'Applications' section with several source applications checked for activation.

Src. Appl.	CoCd	Company No.	Action
Contract Accounts Receivable	1001		Activate
Customer and Mortgage Loans	1013		Activate
Securities Management	1011		Activate
TRM RISK AND RISK MANAGE	1011		Activate

Activate Integration of Source Applications into the One Exposure from Operations Hub

- IMG activity [Individual activation]
- Transaction FQM_ACTIVATE [mass activation]

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Customizing: Rebuild Flow Types

Integration of Source Applications – Migration Step

The screenshot shows the SAP Cash Management navigation tree. The 'Tools' menu is expanded, and the option 'Rebuild Flow Types in Accounting Documents' is highlighted in yellow.

Rebuild Flow Types in Accounting Documents

- IMG activity / transaction FQM_UPD_FLOW_TYPE
- Derive and rebuild flow types for line items that have already been posted to ledgers
- To be repeated each time an additional source application is activated

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Application: Initialization

Bank Management

- ▶ Planning Levels and Planning Groups
- ▶ Currency Theme
- ▶ Flow Types
- ▶ Home Records
- ▶ **Data Setup**
 - ▶ Activate Individual Source Applications
 - ▶ Activate Multiple Source Applications
 - ▶ Result Planning Levels, Groups, Entries in Accounting Documents
 - ▶ Insert House Bank and House Bank Account Data to Accounting Document
 - ▶ Result Liquidity Zone in Accounting Documents
 - ▶ Result Flow Types in Accounting Documents
 - ▶ **Load Transaction Data from Source Application into Exposure Hub**
 - ▶ Inbound Mapping for Integration of Remote Data into Exposure Hub

Load Transaction Data

Job

Load Transaction Job
 Refresh Transaction Data

Technical Settings

The Job
Periods Processing of Data
Number of Days: 5

Site

General Parameters

Company Code: 1111 Go
Source Application: Go

System: Micros Management Customer and Mortgage Loans

Strategy

Product Type: Go
Product Group: Go
Transaction: Go
Key Date: 01.10.2018

Load Transaction Data

- ▶ Transaction FOM_INITIALIZE
- ▶ Load transaction data from a source application into the One Exposure from Operations hub so that the data is available for reporting

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Bank Balance Upload – Connectivity Path Information

The screenshot shows the SAP Business Client interface for Bank Account Master. The main table displays bank account details with connectivity path information highlighted in yellow:

Account ID	Account Name	Bank	Account Type	Dom.	Dom. Co.	Ch.	T.
10000000	WELFARE BANK	WELFARE BANK AG	00	Germany	0001		
10000001	WELFARE BANK	WELFARE BANK AG	00	Germany	0001		

Below the table, the connectivity path information is shown:

System	Account Name	Company Code	Account Type	Product Group	Product Line	Product Line 2	Product Line 3
10000000	WELFARE BANK	10000000	00				

Maintain Connectivity Path Information for Bank Account(s) in Bank Account Master

- ▶ Activity 'Manage Bank Accounts' in Bank Account Management (In NWBC)
- ▶ Maintain connectivity path information for the bank account master (e.g. ID Category 'Remote System: G/L Account')

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Assign Planning Levels to Flow Types

The screenshot shows the SAP IMG navigation tree on the left, with 'Assign Planning Levels to Flow Types' highlighted. On the right, a table titled 'Assign Planning Level to Flow Type' is displayed.

Flow Type	Level	Short Desc.
100101 Bank Cash Balance Increase	70	FI Bank
100102 Bank Cash Balance Decrease	70	FI Bank

Assign Planning Levels to Flow Types

- IMG activity
- Assign planning levels to flow types so that the bank cash balance changes can be evaluated according to planning levels in the Cash Position

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Distributed Cash Management – IDoc & Connectivity Path

The screenshot shows the SAP IMG navigation tree on the left, with 'Define IDoc Interface' and 'Maintain Connectivity Path Information' highlighted. On the right, a table titled 'Manage Bank Accounts' is displayed.

Define IDoc Interface

- IMG Transaction : SALE
- Define logical systems and RFC connections in central system and remote system(s)
- Set up IDoc integration based on message types CMSEND and CMREQU

Maintain Connectivity Path Information

- Activity 'Manage Bank Accounts' in Bank Account Management (in NWBC) in central system
- Maintain connectivity path information for the bank account master (ID Category 'Remote System: GL Account') and all relevant GL accounts of remote system(s)

Bank Account	Remote System	Sample Date	Bank Name	Bank Type (A/B)	Address ID
Bank of America GL A.	0321NWBC2	001			00010200
Bank of America GL A.	0321NWBC1	001			00010200
Bank of America GL A.	0321NWBC2	001			00010200

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Inbound Mapping for Integration

The screenshot displays the SAP Cash Management configuration interface. On the left, a navigation tree under 'Cash Management' includes 'Planning Levels and Planning Groups', 'Liquidity Items', 'Flow Types', and 'Business Areas'. The 'Business Areas' folder is expanded, showing options like 'Assign Business Areas', 'Convert Sender Business Areas', 'Convert Sender Planning Levels', 'Convert Sender Business Areas', 'Assign Flow Types to Business Areas', and 'Check Settings'. The main area shows several configuration views:

- Change View 'Define TR-CH Subsystems and Convert Company Codes':** Shows a table with columns 'Subsystem' and 'Company Code'. The value '000' is visible in the 'Company Code' column.
- Change View 'Convert Sender Group': Overview:** Shows a table with columns 'Sender' and 'Group'. The value '000' is visible in the 'Group' column.
- Change View 'Convert Sender Level': Overview:** Shows a table with columns 'Sender' and 'Level'. The value '000' is visible in the 'Level' column.
- Display View 'Convert Sender Business Area': Overview:** Shows a table with columns 'Business Area' and 'Sender Business Area'. The value '000' is visible in the 'Sender Business Area' column.

Conversion of Company Codes, Planning Groups, Planning Levels and Business Areas

- IMG activities in central system
- Convert company codes, planning groups, planning levels, and business areas of the remote system in the central system

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Assign Flow Types to Planning Levels

The screenshot shows the SAP Cash Management configuration interface. The navigation tree on the left is expanded to 'Flow Types'. The 'Assign Flow Types to Planning Levels' option is highlighted in yellow.

Level	Level Description	Account Type	Flow Type Description	Display Type	Flow Type Description
000	Basic	400 100	Cash Balance Increase (IDOC)	400 100	Cash Balance Decrease (IDOC)

Assign Flow Types to Planning Levels

- IMG activity
- Assign flow types to planning levels to differentiate confirmed cash when evaluating the Cash Position

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SAP Liquidity Planner - Configure Web Service in Central System

Web Service Configuration (SQ1)

Search Results:

Name	Type	Service
FQM_WS_DISTRIBUTE	SOAP/HTTP	FQM_WS_DISTRIBUTE

Web Service Configuration (SQ1)

Configuration Service Definition: FQM_WS_DISTRIBUTE, Service: FQM_WS_DISTRIBUTE, ID: 00000000000000000000000000000000

Target Location:

Message Level Security:

Authentication Settings:

Target System Publication:

Web Service Configuration

- System Administration task using transaction SOAMANAGER
- Configure a Web service based on the service definition FQM_WS_DISTRIBUTE

Configuration of Logical Port in Remote System

Logical Port Configuration (SQ1)

Configuration of Consumer Settings according to WSDL document identifier LT-FQM_WS_DISTRIBUTE_001_XSE

User Data/Password:

Properties from WSDL Document:

Authentication:

Definition of Logical Port

- System Administration task using transaction SOAMANAGER
- Configure a logical port based on the consumer proxy CO_FQM_WS_DISTRIBUTE

Define Parameters for Upload in Remote System



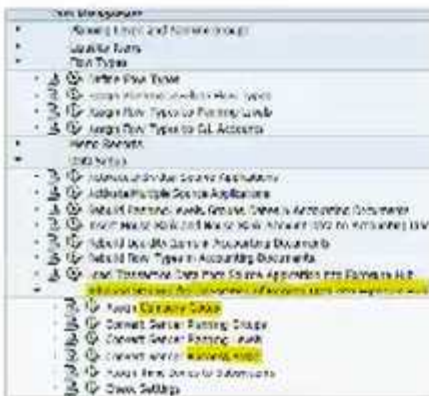
Change View "Parameters For Initial Exposure Upload": Overview

Parameters For Initial Exposure Upload		
SIC_AGR	CO00 Company Name	2000
Liquidity Planner Activate	CO01 SIC_AGR	12.01.2018
Liquidity Planner Activate	CO04 SIC_AGR	
Liquidity Planner Activate	CO09 SIC_AGR	

Define Parameters for Initial and Periodic Upload into the One Exposure from Operations Hub

- IMG activity in remote system
- Define source application, company code, and payment date (optional) to control data upload into the One Exposure from Operations hub

Conversion of Company Codes & Business Areas in Central System



Change View "Define TR-CH Subsystems and Convert Company Codes"

Subsystem	Company Code	Business Area
CO01	CO01	CO01
CO02	CO02	CO02
CO03	CO03	CO03

Change View "Convert Sender Business Area": Overview

Subsystem	Sender Area (Current)	Sender Area (New)
CO01	CO01	CO02
CO02	CO02	CO03

Conversion of Company Codes and Business Areas

- IMG activities in central system
- Convert company codes and business areas of the remote system in the central system

Run Upload from Remote System

SAP Liquidity Planner

The screenshot displays the SAP Liquidity Planner interface. On the left, a navigation tree shows the path: Cash and Liquidity Management > Cash Management > Liquidity Planner > Exposure Hub Upload. The main area shows two overlapping dialog boxes. The top dialog, titled 'Initial and Periodic Exposure Hub Upload', has a 'Logical Fin.' field set to 'LQ_EXPOSURE_DIST_EXPOSURE'. The bottom dialog, titled 'Exposure Hub Upload for LQ-Items', displays a table with the following data:

TIME	Sec. Appl.	Co.Cods.	TRNS.DAYS	EXEC.DAYS	EXEC.TIME
Period	LFA	0002		27.01.2013	13:05:16
Period	LFA	0004		28.01.2013	17:25:13
Info	LFA	0001	01.01.2013		00:01:00

Run Initial and Periodic Upload Into the One Exposure from Operations Hub

- IMG activity in remote system
- Run data upload into the One Exposure from Operations hub (initial and periodic update)

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Summary

You should now be able to:

- Configure and activate One Exposure from Operations
- Integrate source applications
- Integrate cash flows from remote systems
- Execute the data setup

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AC105

**SAP Cash Management
powered by SAP HANA**

Exercise Handbook

**EXERCISE HANDBOOK
INSTRUCTOR-LED TRAINING**

**Version: 03
Duration: 2 Day(s)**

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Exercise 1: Display bank accounts



In all the following exercises, replace ## with your group number. Your main user is AC105-## and password initial. You will have to log-on with alternate users for some approval steps! This is indicated in the exercise solutions.

EXERCISE 1: DISPLAY BANK ACCOUNTS



Search for a Deutsche Bank bank account and show the details of it.



Step	Action
(0)	Log-on to the SAP GUI with user AC105-## and double click on the NWBC shortcut in your favorites.



You will have to re-enter your AC105-## credentials

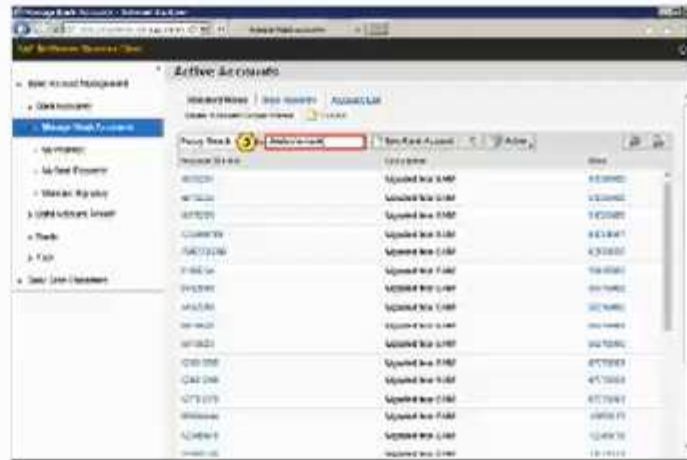


Step	Action
(1)	Click Manage Bank Accounts .

Exercise 1: Display bank accounts



Step	Action
(2)	Click Account List .

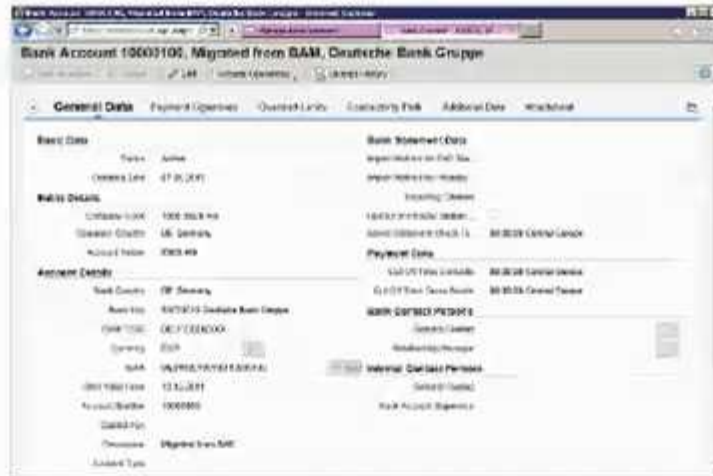


Step	Action
(3)	Enter 123456789 in the Search box Confirm your entry by pressing the Enter key.

Account Number	Description	Bank
4678231	Migrated from BAM	51230400
4678232	Migrated from BAM	51230400
4678233	Migrated from BAM	51230400
7000000000	Migrated from BAM	37630050
10000100	Migrated from BAM	50070010
10501050	Migrated from BAM	50070010
10601060	Migrated from BAM	50070010
10701070	Migrated from BAM	50070010
10801080	Migrated from BAM	50070010

Exercise 1: Display bank accounts

Step	Action
(4)	Click Account 123456789### .



The details of the selected bank account are shown.

Exercise 2: Create a request for a new Bank Account

EXERCISE 2: CREATE A REQUEST FOR A NEW BANK ACCOUNT

The screenshot shows the SAP NetWeaver Business Client interface. On the left, a navigation menu is expanded to 'Bank Account Management', showing sub-items: Bank Accounts, Bank Account Review, Banks, Tool, and Daily Cash Operations. On the right, the 'Bank Accounts' section is active, displaying a list of options: 'Manage Bank Accounts' (highlighted with a red box and a yellow circle with the number 5), 'My Worklist', and 'My Sent Requests'. The 'Manage Bank Accounts' option is described as providing an overview of all bank accounts in the user's responsible area.

Step	Action
(5)	Click Manage Bank Accounts .


Bank Hierarchy: Active Accounts(0 Account)

The screenshot shows the 'Bank Hierarchy: Active Accounts(0 Account)' screen. At the top, there are tabs for 'Standard Views' (Bank Hierarchy, Account List) and 'Bank Account Group Views' (Create). Below the tabs, there is a toolbar with buttons for 'Locate', 'Previous', 'Next', 'Find All', and 'New Bank Account' (highlighted with a red box and a yellow circle with the number 6). Below the toolbar, there is a table with columns: Bank Name / Ba..., Description, B..., Bank no..., B..., Bank..., C..., Compan..., Account..., C., S... The table contains one entry: Deutsche Bank with a value of 1 in the B... column and DE in the B... column.

Step	Action
(6)	Click Create New Bank Account .

Exercise 2: Create a request for a new Bank Account

The screenshot shows the 'New Bank Account' form in Internet Explorer. The browser address bar shows 'http://emitted00.wdf.sap.corp:5'. The page title is 'New Bank Account'. There are three buttons at the top: 'Save as Draft', 'Save and Submit', and 'Cancel'. Below the title, there are three tabs: 'General Data', 'Additional Data', and 'Attachment'. The 'General Data' tab is selected. Under 'Basic Data', the 'Status' is 'Inactive' and the 'Opening Date' field is empty with a calendar icon. A red box highlights the calendar icon, and a yellow circle with the number '7' is next to it. Under 'Entity Details', there are fields for 'Company Code', 'Company Country', and 'Account Holder'.

Step	Action
(7)	Click Select Date  .

The screenshot shows the 'New Bank Account' form with a calendar open. The calendar is for May 2015. The date '7' is highlighted with a red box, and a yellow circle with the number '8' is next to it. The 'Opening Date' field is now filled with the date '7'. The 'Entity Details' and 'Account Details' sections are visible below the calendar.

Step	Action
(8)	Click Today's Date .

Exercise 2: Create a request for a new Bank Account

The screenshot shows the 'New Bank Account' form in SAP. The form is divided into several sections: 'Basic Data', 'Entity Details', and 'Account Details'. The 'Basic Data' section includes 'Status: Inactive' and 'Opening Date: 07.05.2015'. The 'Entity Details' section includes 'Company Code: 1000' (callout 9) and 'Account Holder: ' (callout 10). The 'Account Details' section includes 'Bank Country: DE' (callout 11), 'Bank Key: 10020030', 'SWIFT/BIC: DEUTDEFF', 'Currency: EUR' (callout 12), 'IBAN: ' (with an 'IBAN' button), 'IBAN Valid From: ' (with a calendar icon), 'Account Number: ' (with a search icon), 'Control Key: ', 'Description: Deutsche Bank EUR Currency Account' (callout 13), and 'Account Type: ' (with a search icon, callout 14).

Step	Action
(9)	Enter 1000 in the Company Code box.
(10)	Enter IDES AG ## in the Account Holder box.
(11)	Enter DE in the Bank Country box.
(12)	Enter EUR in the Currency box.
(13)	Enter Deutsche Bank ## EUR Currency Account in the Description box.
(14)	Click Account Type Search Help.

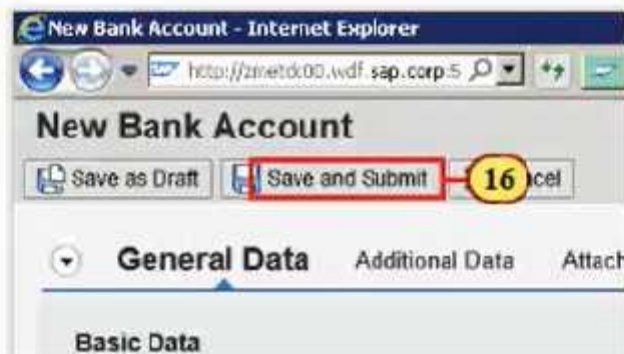
Exercise 2: Create a request for a new Bank Account

Search: Account Type

Results List: 4 results found for Account Type

15	Account Type	Description
<input type="checkbox"/>	01	Current Account
	02	Deposit Account
	03	Loan Account
	04	Investment Account

Step	Action
(15)	Click Select Line 1 - Account Type 01 .



Step	Action
(16)	Click Save and Submit .

Exercise 2: Create a request for a new Bank Account

Send Request

Do you want to submit a request to create a bank account?

Title: Create bank account Deutsche Bank EUR Currency Account

* Note

New EUR currency account is needed. Please approve!

Submit

Step	Action
(17)	Enter New DB EUR Account ## in the Title box.
(18)	Enter New EUR Currency Account required. Please check and approve! in the Note box.
(19)	Click Submit .




The request to create a new Bank Account has been successfully submitted.

Exercise 3: Approve the creation of the new Bank Account

EXERCISE 3: APPROVE THE CREATION OF THE NEW BANK ACCOUNT

Step	Action
(0)	Log-on to the SAP GUI with user AC105A-## and double click on the NWBC shortcut in your favorites. The password is initial.

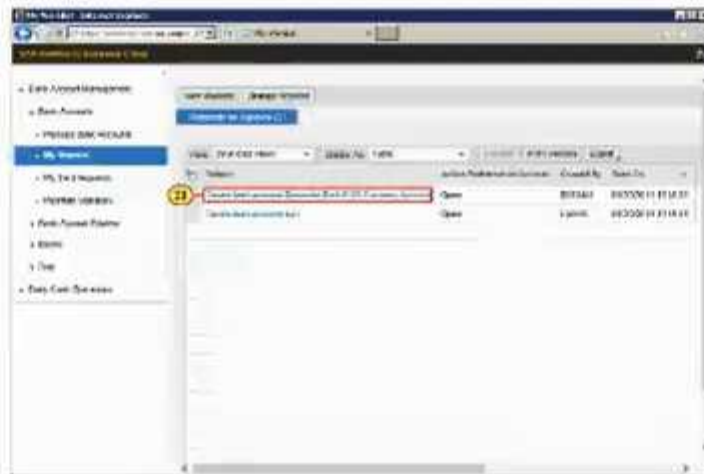



You will have to re-enter your AC105A-## credentials (password is initial)



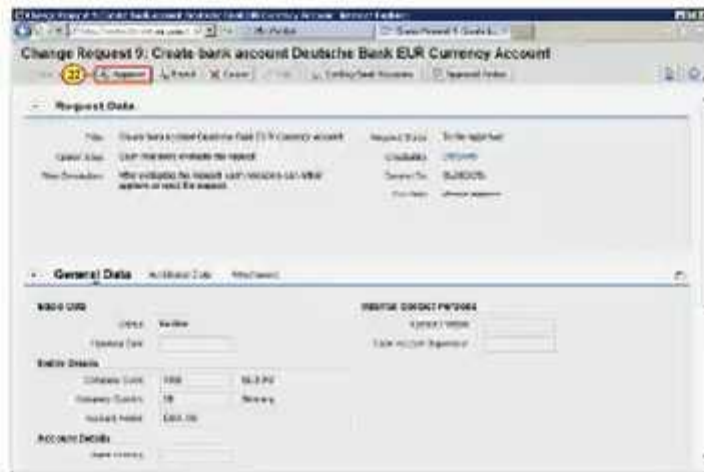
Step	Action
(20)	Click My Worklist .

Exercise 3: Approve the creation of the new Bank Account



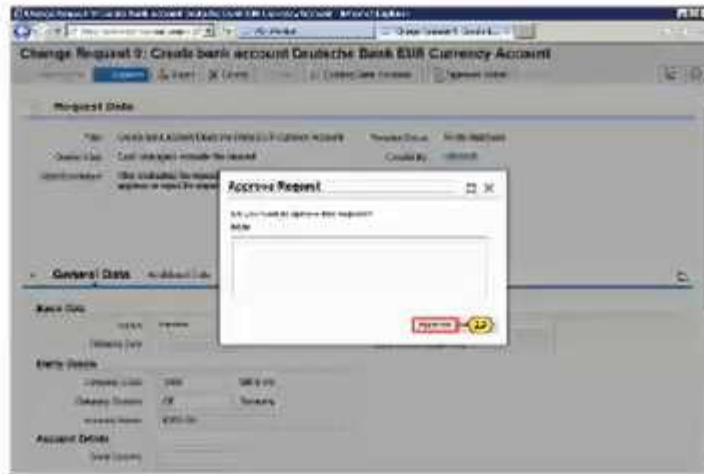
 Select the bank account created by the user AC105-##.

Step	Action
(21)	Click New DB EUR Account ## .



Step	Action
(22)	Click Approve .

Exercise 3: Approve the creation of the new Bank Account



Step	Action
(23)	Click Approve .



Step	Action
(24)	Click Close tab .

Step	Action
(0)	Log-on to the SAP GUI with user AC105B-## and double click on the NWBC shortcut in your favorites. The password is initial .

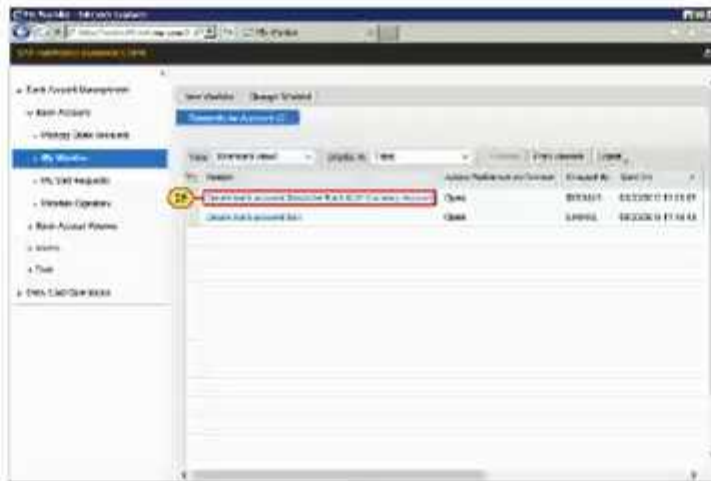


You will have to re-enter your AC105B-## credentials (password is initial)

Exercise 3: Approve the creation of the new Bank Account



Step	Action
(20)	Click My Worklist.



Icon	Action
	Select the bank account created by the user AC105-##.

Exercise 3: Approve the creation of the new Bank Account

Request Data

Title: DEUTSCHE BANK EUR CURRENCY ACCOUNT
 Client: 1000
 Description: DEUTSCHE BANK EUR CURRENCY ACCOUNT

General Data

Bank ID: 1000
 Bank Statement Cycle: 1000
 Bank Details: 1000
 Account Details: 1000

Step	Action
(25)	Click Maintain Signatory .

Request Data

Title: DEUTSCHE BANK EUR CURRENCY ACCOUNT
 Client: 1000
 Description: DEUTSCHE BANK EUR CURRENCY ACCOUNT

General Data

Bank ID: 1000
 Bank Statement Cycle: 1000
 Bank Details: 1000
 Account Details: 1000

Step	Action
(26)	Enter de in the Bank Country box.
(27)	Enter Today's Date in the Opening Date box.

Exercise 3: Approve the creation of the new Bank Account

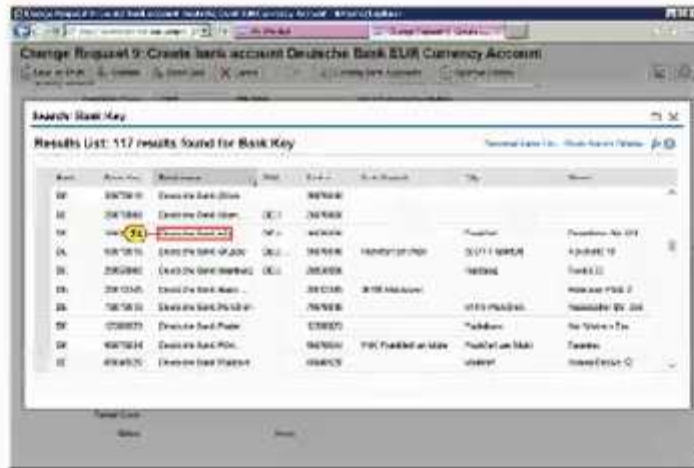
The screenshot shows the SAP Change Request 9: Create bank account Deutsche Bank EUR Currency Account. The 'Request Data' section is expanded, showing details such as 'Company Code', 'Bank Account Number', 'Currency Code', and 'Account Name'. A red box highlights a scroll bar on the right side of the form, indicating that the content is scrollable. A yellow circle with the number 25 is placed next to the scroll bar.

Step	Action
(25)	Click in the area below the scroll bar to scroll down.

The screenshot shows the same SAP Change Request 9: Create bank account Deutsche Bank EUR Currency Account. The 'Account Data' section is expanded, showing details such as 'Bank Code', 'Bank Name', 'Account Type', and 'Account Name'. A red box highlights a search help icon for the 'Bank Key' field. A yellow circle with the number 30 is placed next to the search help icon.

Step	Action
(30)	Click the search help for the Bank Key  .

Exercise 3: Approve the creation of the new Bank Account



Step	Action
(31)	Select the entry Deutsche Bank AG by clicking it.



Step	Action
(31a)	Select Tab Payment Signatories
(31b)	Maintain Signatory Group SG0000
(31c)	Signatory AC105A-##
(31d)	Enter Max amount per document 999.999.99,99
(31e)	Enter Max amount for batch 999.999.99,99
(31f)	Maintain Signatory Group SG0001
(31g)	Signatory AC105B-##
(31h)	Enter Max amount per document 999.999.99,99
(31i)	Enter Max amount for batch 999.999.99,99
(31j)	Go back to the tab General Data

Exercise 3: Approve the creation of the new Bank Account

Change Request 9: Create bank account Deutsche Bank EUR Currency Account

Company Code: 1000 | Country: DE | Account Status: ECS AD

Account Details:

- Bank Name: CC
- Bank No.: 11111###
- Bank Type: 0000000
- Current: EUR
- Bank Code: 11111###

Payment Data:

- Q107 Time Zone Code: 000000
- Q108 Time Zone Code: 000000

Bank Contact Person:

- General Contact: []
- Business Manager: []
- Internet Contact Person: []
- Contact Person: []
- Bank Account Register: []

Account Type: 01 | Currency: EUR

Step	Action
(32)	Enter 11111### in the Account Number box.
(33)	Click Confirm .

Change Request 9: Create bank account Deutsche Bank EUR Currency Account

Company Code: 1000 | Country: DE | Account Status: ECS AD

Account Details:

- Bank Name: CC
- Bank No.: 11111###
- Bank Type: 0000000
- Current: EUR
- Bank Code: 11111###

Payment Data:

- Q107 Time Zone Code: 000000
- Q108 Time Zone Code: 000000

Bank Contact Person:

- General Contact: []
- Business Manager: []
- Internet Contact Person: []
- Contact Person: []
- Bank Account Register: []

Account Type: 01 | Currency: EUR

Confirm Required dialog:

- Do you want to create the account?
- Note: Bank account opened - please checked
- Buttons: Confirm, Cancel

Step	Action
(34)	Enter Bank Account Opened in the Note box.
(35)	Click Confirm .

Change Request 9: Create bank account Deutsche Bank EUR Currency Account

Company Code: 1000 | Country: DE | Account Status: ECS AD

Account Details:

- Bank Name: CC
- Bank No.: 11111###
- Bank Type: 0000000
- Current: EUR
- Bank Code: 11111###

Payment Data:

- Q107 Time Zone Code: 000000
- Q108 Time Zone Code: 000000

Bank Contact Person:

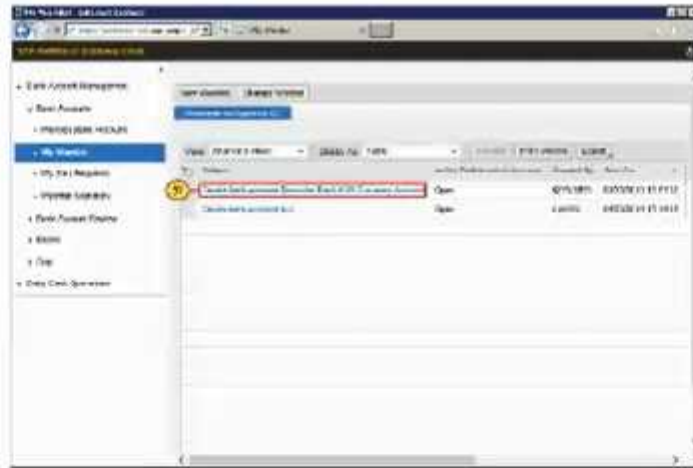
- General Contact: []
- Business Manager: []
- Internet Contact Person: []
- Contact Person: []
- Bank Account Register: []

Account Type: 01 | Currency: EUR

Buttons: Close (highlighted)

Step	Action
(36)	Click Close tab .

Exercise 3: Approve the creation of the new Bank Account



 Select the bank account created by your user AC105-##.


Step	Action
(37)	Click your Bank Account .

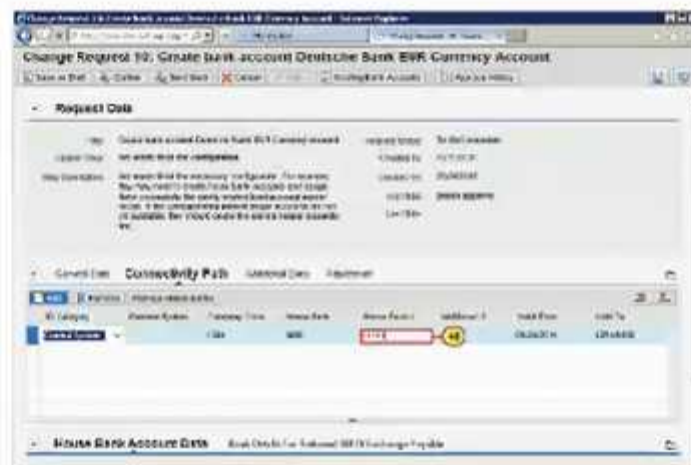


Step	Action
(38)	Click Connectivity Path .

Exercise 3: Approve the creation of the new Bank Account



Step	Action
(39)	Click Add  .



Step	Action
(40)	Enter 1111 in the House Bank Account box. Confirm your entry by pressing the Enter key.

Exercise 3: Approve the creation of the new Bank Account



Step	Action
(41)	Click in the area below the scroll bar to scroll down.
(42)	Drop on .



Step	Action
(43)	Click Confirm.

Exercise 3: Approve the creation of the new Bank Account



Step	Action
(44)	Enter "Account can now be used." in the Note box.
(45)	Click Confirm .



Step	Action
(46)	Click Close tab .

EXERCISE 4: CLOSE A BANK ACCOUNT



Close a Bank Account at the end of the Year.

Bank Account Management - Internet Explorer
 http://www.sap.com... Bank Account Management

SAP NetWeaver Business Client

Bank Account Management

- > Bank Accounts
- > Bank Account Review
- > Banks
- > Tool
- > Daily Cash Operations

Bank Accounts 47

- Manage Bank Accounts**
Provides an overview to all the bank accounts in your responsible area, where you can check, open, change, or close bank accounts.
- My Worklist
Lists all the bank account related requests that you need to process.
- My Sent Requests
Lists all the bank accounts requests that you have initiated.

Step	Action
(47)	Click Manage Bank Accounts .

Manage Bank Accounts - Internet Explorer
 http://www.sap.com... Manage Bank Accounts

SAP NetWeaver Business Client

Bank Account Management

- > Bank Accounts
- Manage Bank Accounts**
- My Worklist

Bank Hierarchy: Active Accounts(0 Account)

Standard Views: Bank Hierarchy **Account List** 48

Bank Account Group Views: Create

Locate: Previous Next Find

Active

Step	Action
------	--------

Exercise 4: Close a Bank Account


Step	Action
(48)	Click Account List .

Active Accounts

Standard Views | Bank Hierarchy | **Account List**
 Bank Account Group Views | Create

Fuzzy Search **49** | New Bank Account | Active

Account Number	Description	Bank
4678231	Migrated from BAM	51230400
4678232	Migrated from BAM	51230400
4678233	Migrated from BAM	51230400
123456789	Migrated from BAM	31234567
7002335300	Migrated from BAM	52030950

 Select the Bank Account that corresponds to your group number, starting from the top of the list (count ## rows from the top).

Step	Action
(49)	Click On a migrated Bank Account .

Bank Account 7002335300, Migrated from BAM, Baden-Württembergische Bank - Intel

http://zmeuc00.wdf.sap.corp:5 | Manage Bank Accounts

Bank Account 7002335300, Migrated from BAM, Bac

Save as Active | Cancel | Edit | **Account Operations** **50** change H

General Data | Payment Signatories | Overdraft Limits | Con

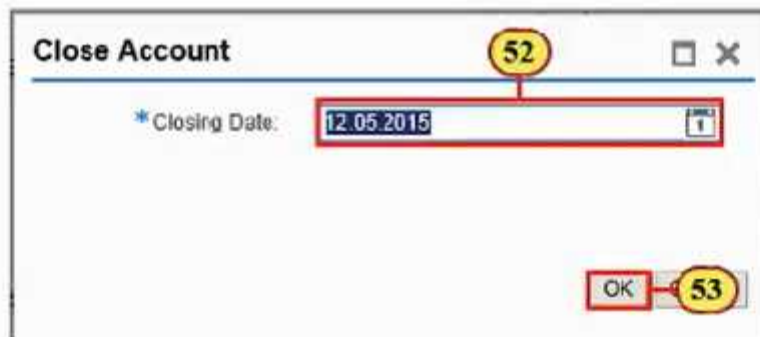
Basic Data

Step	Action
(50)	Click Account Operations .

Exercise 4: Close a Bank Account



Step	Action
(51)	Select the entry Close Account by clicking it.



	Enter the last day of the current year.
---	---

Step	Action
(52)	Enter 31.12.CY in the Closing Date box.
(53)	Click OK .



DEMO 1: PERFORM BAM APPROVAL CUSTOMIZING



Create and assign a responsibility workflow for your user.

Structure

- ▼ **SAP Customizing Implementation Guide**
 - Activate Business Functions
 - ▶ SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA
 - ▶ SAP NetWeaver
 - ▶ Enterprise Structure
 - ▶ Cross-Application Components
 - ▶ Auto-ID Infrastructure
 - ▶ SAP Portfolio and Project Management
 - ▶ Financial Accounting (New)
 - ▼ Financial Supply Chain Management
 - ▶ Billing Direct
 - ▶ Billing Consolidation
 - ▼ Cash and Liquidity Management
 - ▶ General Settings
 - ▼ Bank Account Management
 - ▶ Basic Settings
 - **1** **Define Responsibilities for Rules Used in Workflow Steps**
 - Enable Signatory Control
 - ▶ Business Add-Ins (BADIs)


Step	Action
(1)	Click Define responsibilities for Rules Used in Workflow Steps .

Demo 1: Perform BAM Approval Customizing



Step	Action
(2)	Enter 74300006 in the Rule Number box.

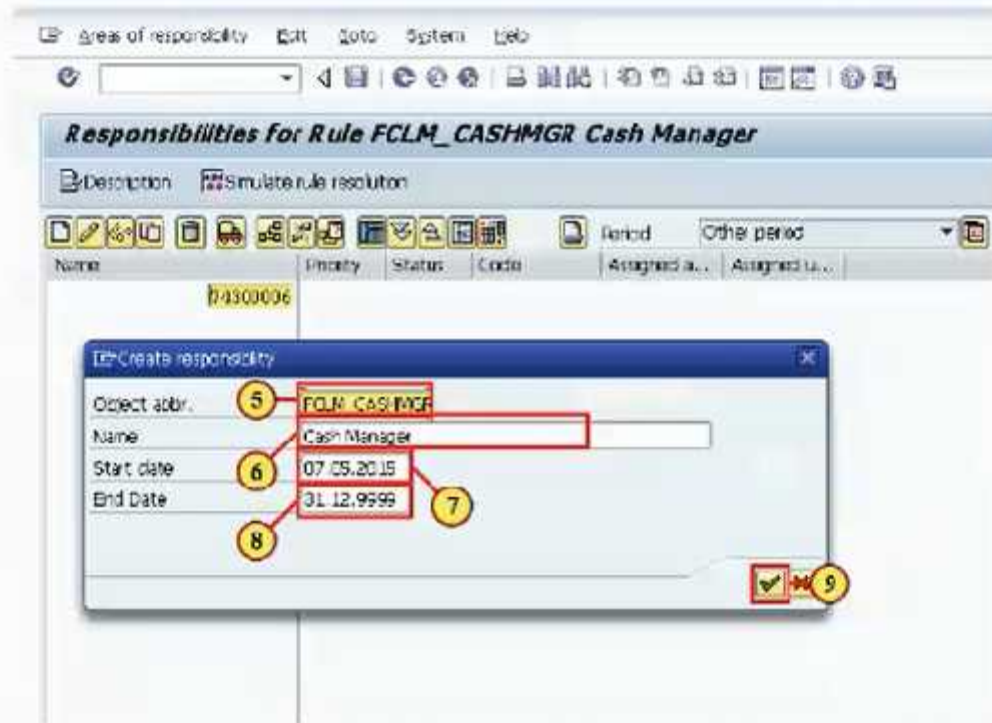
 *Please repeat the next steps for Rule 74300007 and 74300008 with users AC105-99 and AC105A-99 respectively.*

Step	Action
(3)	Click Change  . You can also press F5 .



Step	Action
(4)	Click Create responsibility  .

Demo 1: Perform BAM Approval Customizing



Step	Action
(5)	Enter FCLM_CASHMGR in the Object abbr. box.
(6)	Enter Cash Manager in the Name box.
(7)	Enter Today's Date in the Start Date box.
(8)	Enter 31.12.9999 in the End Date box.
(9)	Click Continue . You can also press Enter .

Demo 1: Perform BAM Approval Customizing

Responsibility Change for **FCLM_CASHMGR**

Responsibility: S0047127
 Derived from: Rule
 Editing period: 07.05.2015 To 31.12.9999
 No

Basic data

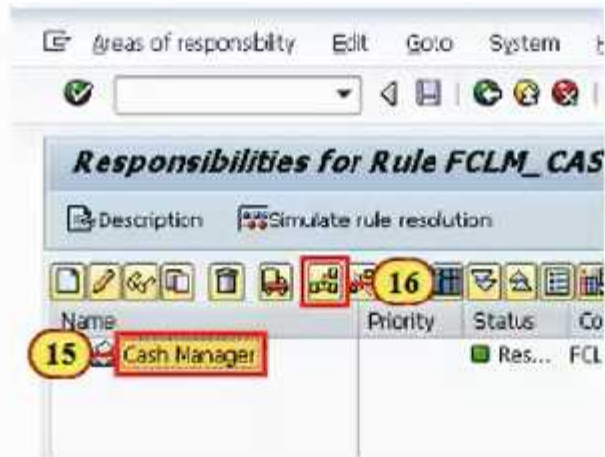
Abbr.: FCLM_CASHM..
 Name: Cash Manager
 Priority:

Responsibility Specs

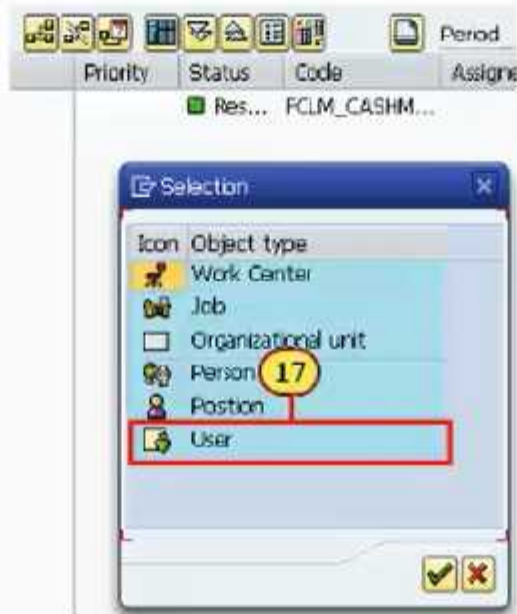
Name	of	to
Account Type	01	ZZ
Company Code	1000	

Step	Action
(10)	Enter 01 in the Account Type from box.
(11)	Enter ZZ in the Account Type to box.
(12)	Enter 1000 in the Company Code from box.
(13)	Click Save . You can also press Ctrl+S .
(14)	Click Back to return to the previous page. You can also press F3 .

Demo 1: Perform BAM Approval Customizing



Step	Action
(15)	Click Cash Manager .
(16)	Click Insert agent assignment  .

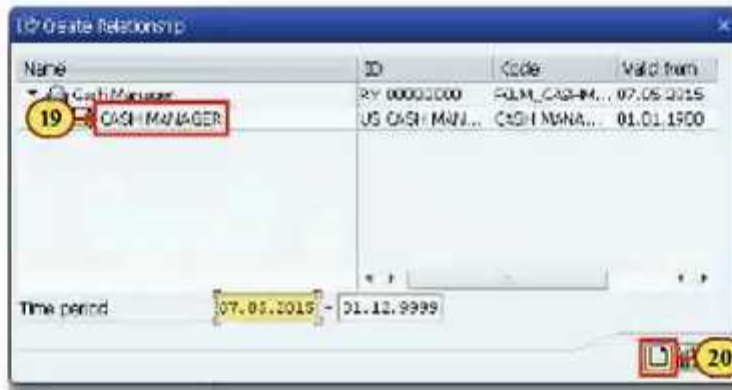


Step	Action
(17)	Double Click Object type - User.

Demo 1: Perform BAM Approval Customizing



Step	Action
(18)	Enter AC105B-99 in the Search Term box.



Step	Action
(19)	Click AC105B-99 .
(20)	Click Create . You can also press F5 .



 Repeat the steps for Rule 74300007, 74300008 with users AC105-99 and AC105A-99 respectively.

DEMO 2: PERFORM BAM DATA INITIALIZATION CUSTOMIZING



Customize the settings for Migrating Bank Accounts.



When participants complete the exercise PERFORM BAM DATA INITIALIZATION, undo the change to the workflow setting.

- Financial Supply Chain Management
 - Biller Direct
 - Billing Consolidation
 - Cash and Liquidity Management
 - General Settings
 - Bank Account Management
 - 1** **Maintain the Event Type Linkage for Triggering Workflow Processes**
 - Define Responsibilities for Rules Used in Workflow Steps
 - Enable Signatory Control
 - Business Add-Ins (BADIs)
 - Cash Management
 - Liquidity Planning

Step	Action
(1)	Click Maintain the Event Type Linkage for Triggering Workflow Processes .

The screenshot shows the SAP 'Event Type Linkages' Overview table. The table has columns for Event Type, Object Type, Event, Event Type, Type Link, Condition, and Status. A red box highlights the 'Maintain Event Type Linkage' icon in the right-hand column of the first row.

Event Type	Object Type	Event	Event Type	Type Link	Condition	Status
001	Objekt Typ	ASTORATECHANGED	00000001			No error
002	Objekt Typ	CARDINOTAVAILABLE	00000040			No error
003	Objekt Typ	INVOICEACCEPTED	00000007			No error
004	Objekt Typ	INVOICERECEIVED	00000008			No error
005	Objekt Typ	INVOICERECEIVED	00000009			No error
006	Objekt Typ	INVOICERECEIVED	00000010			No error
007	Objekt Typ	INVOICERECEIVED	00000011			No error
008	Objekt Typ	INVOICERECEIVED	00000012			No error
009	Objekt Typ	INVOICERECEIVED	00000013			No error

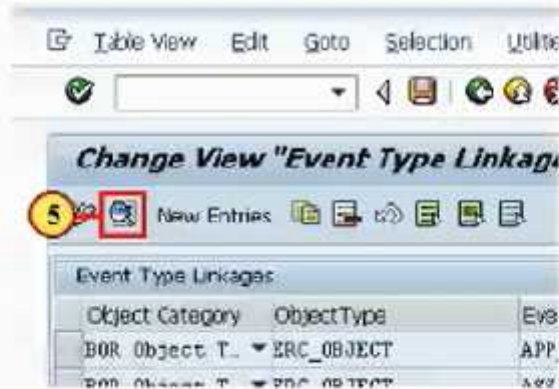
Demo 2: Perform BAM data initialization customizing


Step	Action
(2)	Use the vertical scroll bar to display the desired screen area.
(3)	Drop on .

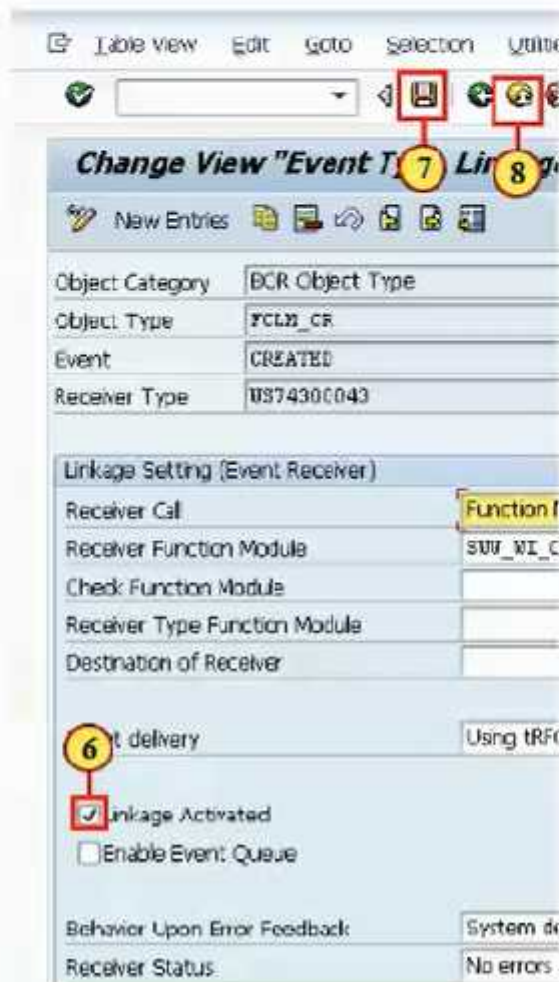


Step	Action
(4)	Click Line selection for line with Object type FCLM_CR .


Demo 2: Perform BAM data initialization customizing



Step	Action
(5)	Click Details  . You can also press Ctrl+Shift+F2 .

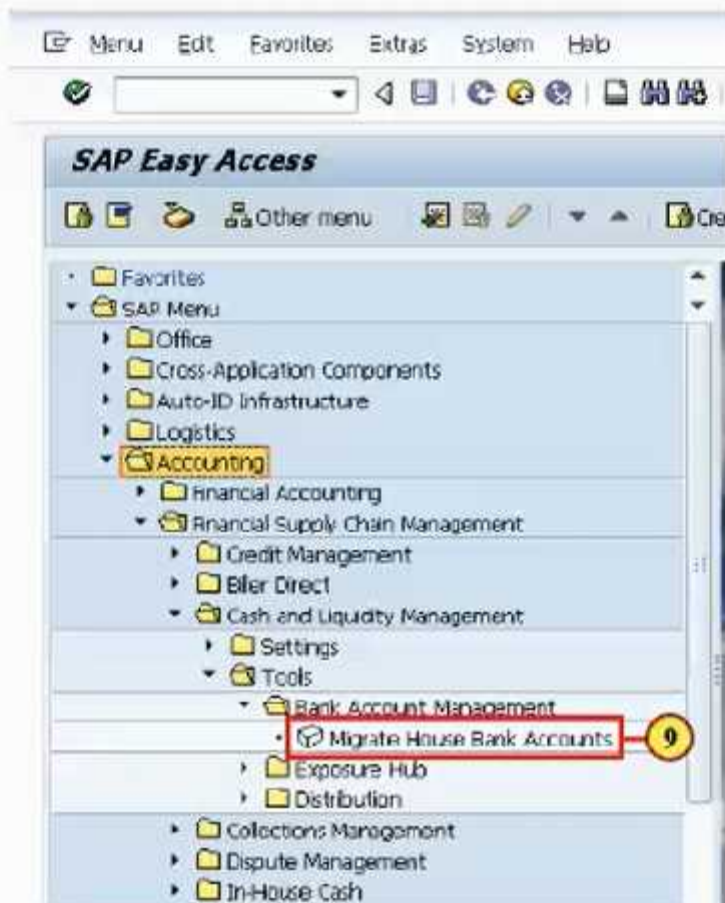


Demo 2: Perform BAM data initialization customizing

 Customizing is complete.

Step	Action
(6)	De-select the Linkage Activated check box.
(7)	Click Save . You can also press Ctrl+S .
(8)	Click Exit .

 *Migrate a Bank Account of Company Code 1000.*



The screenshot shows the SAP Easy Access menu structure. The 'Accounting' folder is expanded, and the 'Bank Account Management' folder is also expanded. The 'Migrate House Bank Accounts' option is highlighted with a red box and a yellow circle containing the number 9.

- Favorites
- SAP Menu
 - Office
 - Cross-Application Components
 - Auto-ID Infrastructure
 - Logistics
 - Accounting
 - Financial Accounting
 - Financial Supply Chain Management
 - Credit Management
 - Biller Direct
 - Cash and Liquidity Management
 - Settings
 - Tools
 - Bank Account Management
 - Migrate House Bank Accounts (9)
 - Exposure Hub
 - Distribution
 - Collections Management
 - Dispute Management
 - In-House Cash

Step	Action
------	--------


Demo 2: Perform BAM data initialization customizing

Step	Action
(9)	Select the transaction Migrate House Bank Accounts with a click.



Step	Action
(10)	Click Line Selection - 1st Row of Company Code 1000 .
(11)	Click Migrate . You can also press F8 .

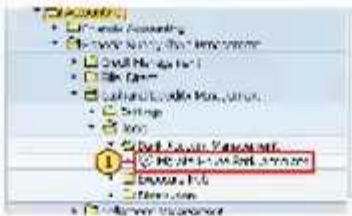
 The account is migrated.

 When participants complete the exercise **PERFORM BAM DATA INITIALIZATION**, undo the change to the workflow setting.

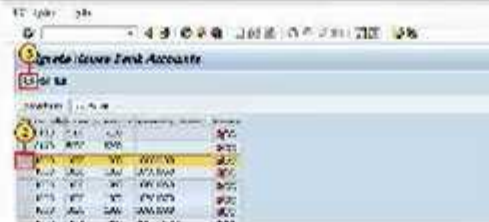
EXERCISE 5: PERFORM BAM DATA INITIALIZATION



Migrate a Bank Account of Company Code 1000.



Step	Action
(1)	Select the transaction Migrate House Bank Accounts with a click.




Step	Action
(2)	Click Line Selection - Row ## (count from the top of the list using your group number) of Company Code 1000 .
(3)	Click Migrate . You can also press F8 .



Exercise 6: Make a Bank Transfer

EXERCISE 6: MAKE A BANK TRANSFER

	Make Bank Transfers
---	----------------------------

Step	Action
(0)	Log-on to the SAP GUI with user AC105-## and double click on the Fiori Launchpad shortcut in your favorites. The password is initial .

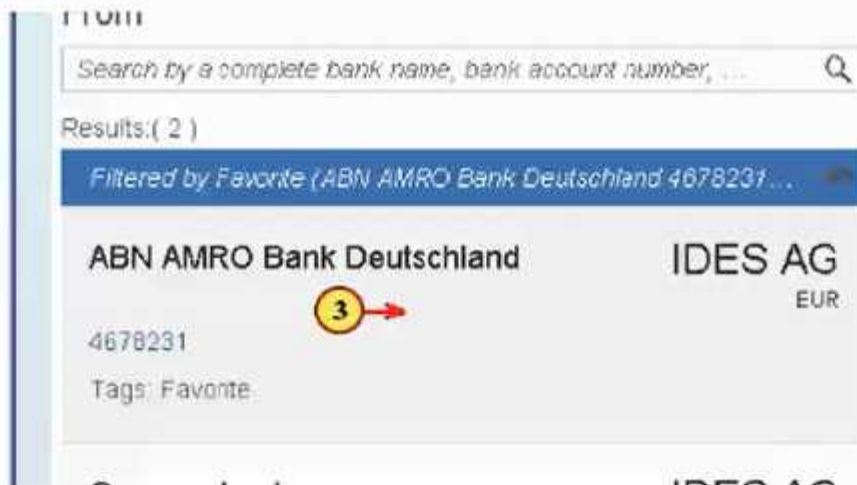


Step	Action
(1)	Click Make Bank Transfer .

Exercise 6: Make a Bank Transfer



Step	Action
(2)	Enter 10## in the Amount box.



Step	Action
(3)	Click on Bank 123456789##.



If there are more than 20 participants, start the numbering over. For example:

- Group 21 should use 12345678901
- Group 39 should use 12345678919

Exercise 6: Make a Bank Transfer

Make Bank Transfers

Amount: 1000 EUR

Payment Method: **Überweisung ausland** (4)

From To

Search by a complete bank name, bank account number, ... Search by a complete bank name, bank account number, ...

Step	Action
(4)	Click Payment Method Drop Down .

Amount: 1000 EUR

Payment Method: Überweisung ausland

From

Search by a complete bank name, bank account number, ...

Results: (2)

Filtered by Favorite (As)

ABN AMRO Bank

4678231

Tags: Favorite

Commerzbank

- Überweisung ausland
- SEPA Credit Transfer
- Banküberweisung intern IHC
- Banküberweisung extern IHC
- Bankscheck bei Auslandszahlung
- Auslandsüberweisung
- Postgiro Überweisung
- Überweisung / Bank Transfer** (5)
- Verrechnung (im Konzern)
- Bank Transfer (Outgoing F111)

Step	Action
(5)	Click Überweisung / Bank Transfer .

Exercise 6: Make a Bank Transfer



Step	Action
(6)	Enter transfer 10## in the Note box.



Step	Action
(8)	Click Transfer to 12345678900.
(9)	Click Make Bank Transfers.

Exercise 6: Make a Bank Transfer

Initiate Transfer

You are about to make the following bank transfer

Amount: 1,000 EUR

From: ABN AMRO Bank Deutschland Account 4675291

To: Commerzbank Account 1204567091

Payment Method: Überweisung / Bank Transfer

Note:

transfer 1000

Are you sure that you want to continue?

Submit 10

Step	Action
(10)	Click Submit .

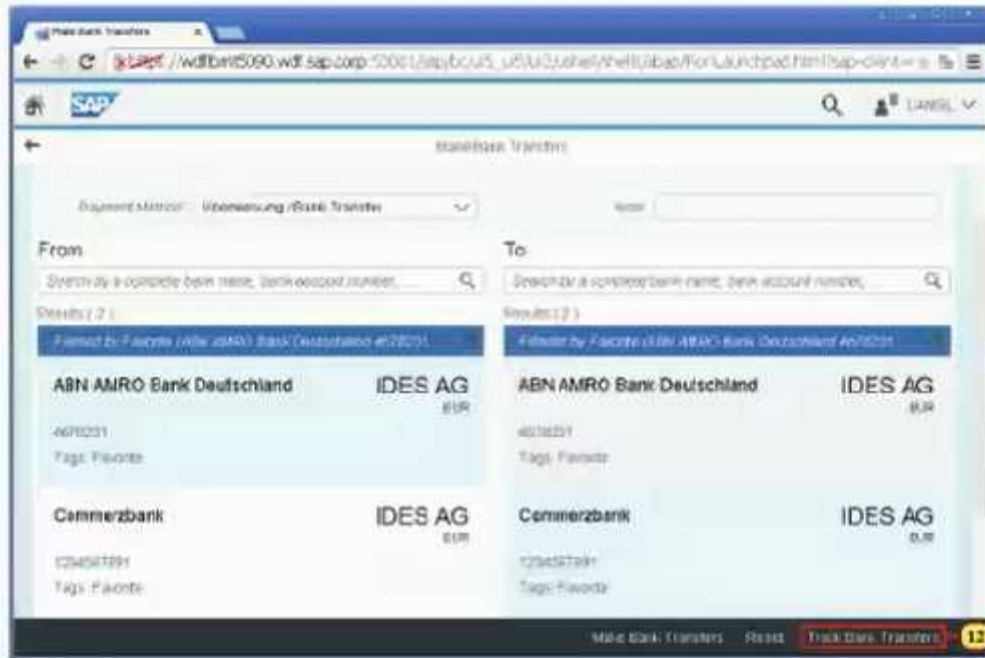
OK

Bank transfer 1000 EUR from 2500, 2500 to 1200, DE01 initiated successfully Payment request 13 paid with payment run 05/27/2015.00007R

OK 11

Step	Action
(11)	Click OK .

Exercise 6: Make a Bank Transfer





Step	Action
(12)	Click Track Bank Transfers .



Step	Action
(13)	Click Your Bank Transfer .

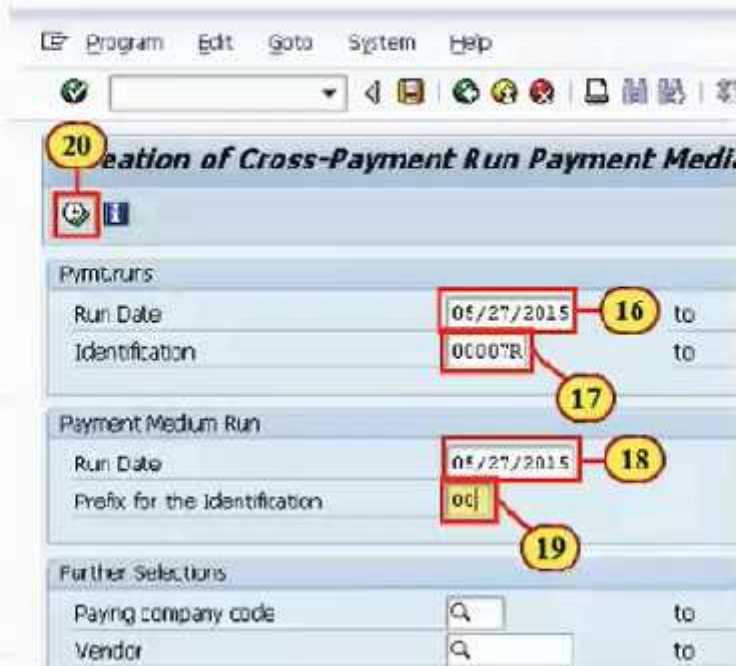
Exorcise 6: Make a Bank Transfer


Step	Action
(14)	Click Home  .

 Steps 15 to 21 should be done by your instructor once as the step affects all participants, please ask him to perform this for the whole class.


Step	Action
(15)	Enter fbpm1 in the Transaction box . Confirm your entry by pressing the Enter key .

Exercise 6: Make a Bank Transfer



Step	Action
(16)	Enter Today's Date in the Run Date box.
(17)	Enter 00007R in the Identification box.
(18)	Enter Today's Date in the Run Date box.
(19)	Enter 00 in the Prefix for the Identification box.
(20)	Click Execute  . You can also press F8 .



Step	Action
(21)	Click Continue  . You can also press Enter .

Exercise 6: Make a Bank Transfer

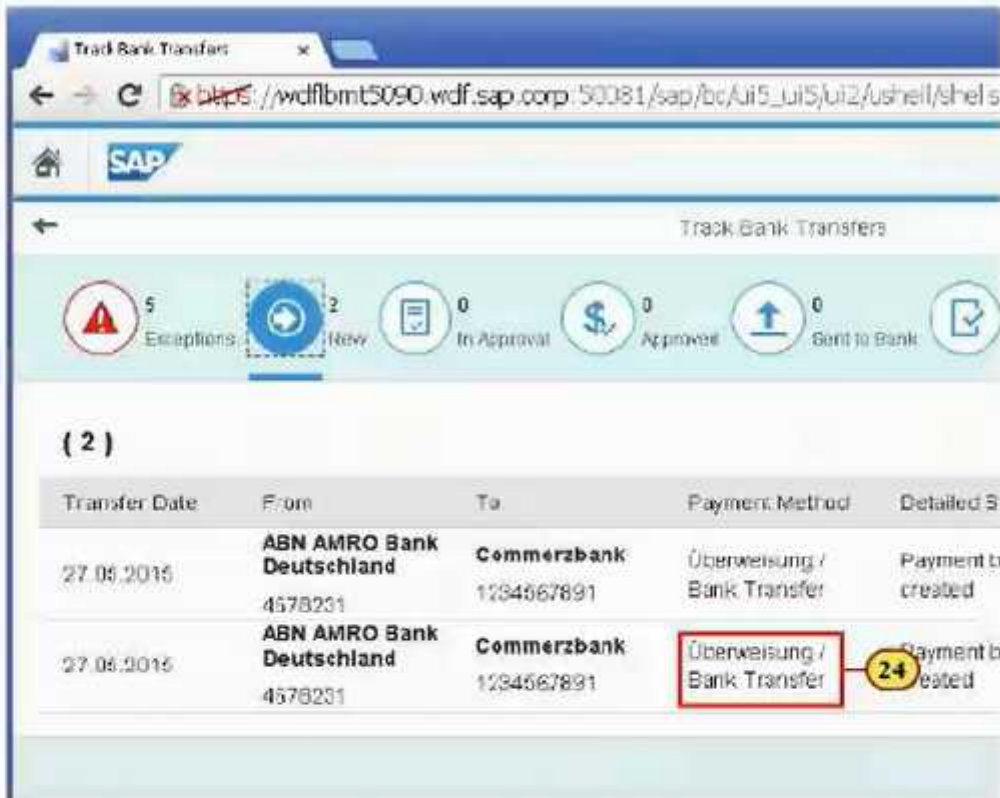


Step	Action
(22)	Click Track Bank transfers .

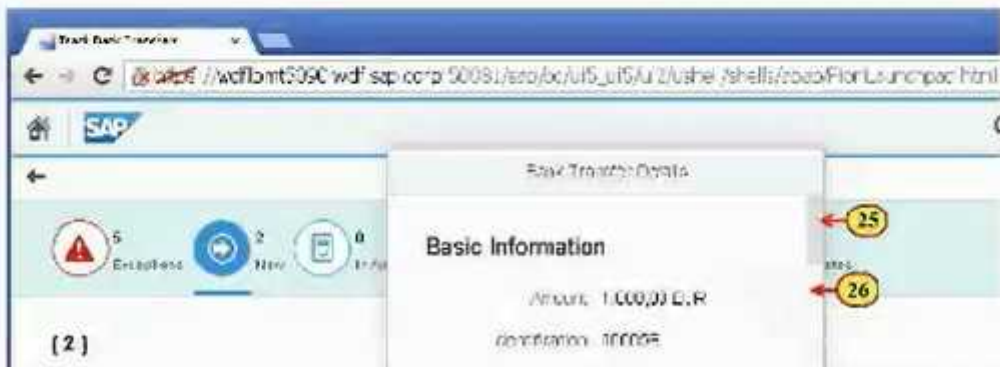


Step	Action
(23)	Click New  .

Exercise 6: Make a Bank Transfer



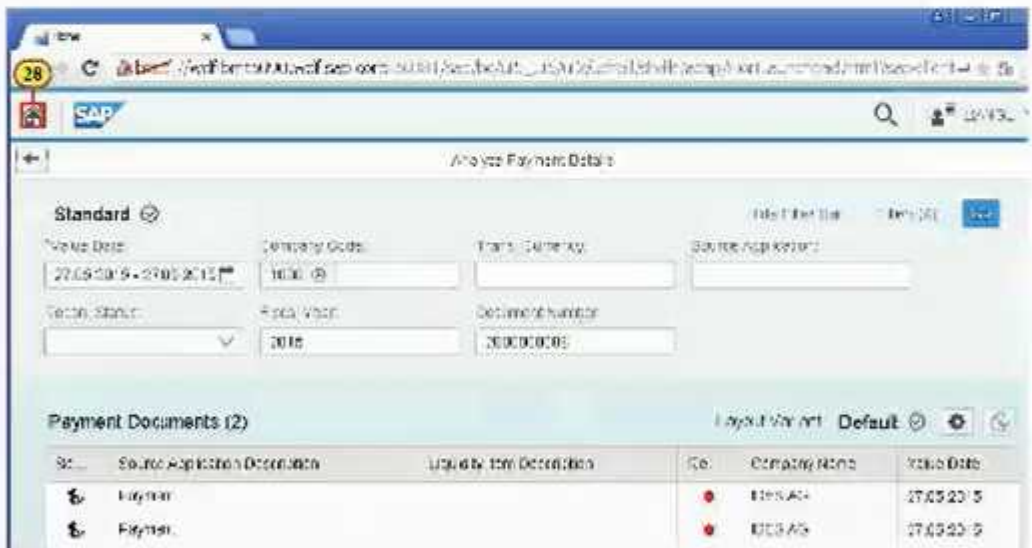
Step	Action
(24)	Click Your Bank Transfer .




Step	Action
(25)	Drag .
(26)	Drop on .



Step	Action
(27)	Click Payment Details .





The transfer is pending approval.

Step	Action
(28)	Click Home .

EXERCISE 7: ANALYZE PAYMENT DETAILS



Step	Action
(29)	Click Analyze Payment Details .

Standard ⊙ Hide Filter

Value Date: 21.05.2015 - 27.05.2015 Company Code: Trans. Currency: Source Application:

Recor. Status:

Payment Documents (11) Layout Variant: DEF

No.	Source Application Description	Liquidity Item Description	Transaction Amount	No.	Yr
\$	Payment	Bank Transfer	1,000.00	•	27
\$	Payment	Bank Transfer	-1,000.00	•	27
\$	Payment	Bank Transfer	1,000.00	•	27
\$	Payment	Bank Transfer	-1,000.00	•	27
\$	Payment	Bank Transfer	1,000.00	•	27

The transaction amount '-1,000.00' in the fourth row is highlighted with a red box, and a yellow circle with the number 30 is next to it.

Step	Action
------	--------

Exercise 7: Analyze Payment Details

Step	Action
(30)	Click your line -1.0##.



Step	Action
(31)	Drag .
(32)	Drop on .

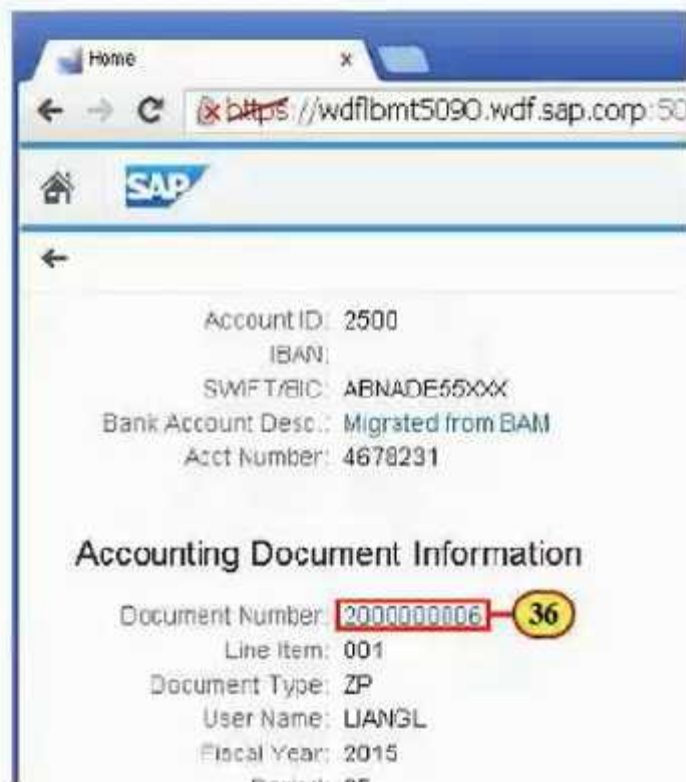


Step	Action
(33)	Click Migrated from BAM.

Exercise 7: Analyze Payment Details



Step	Action
(34)	Drag .
(35)	Drop on .



Step	Action
(36)	Click Document Number.

Exercise 7: Analyze Payment Details

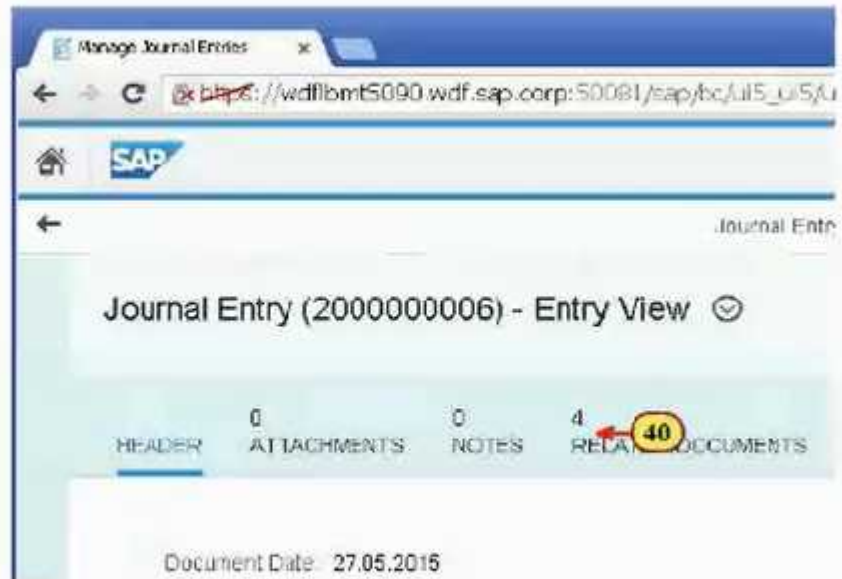


Step	Action
(37)	Drag .
(38)	Drop on .



Step	Action
(39)	Click Manage G/L Documents .

Exercise 7: Analyze Payment Details



Step	Action
(40)	Click Related Documents .

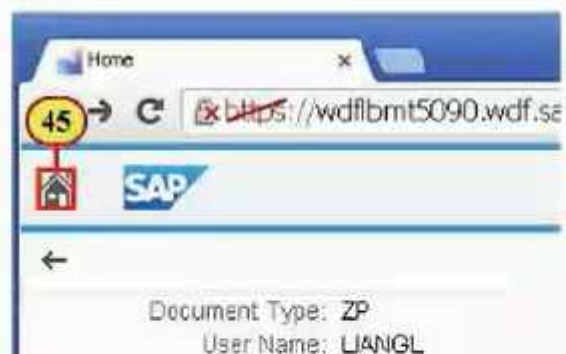


Step	Action
(41)	Click ← .

Exercise 7: Analyze Payment Details



Step	Action
(44)	Double-click on Current Processor .



Step	Action
(45)	Click  .

Exercice 8: Approve a Bank Payment

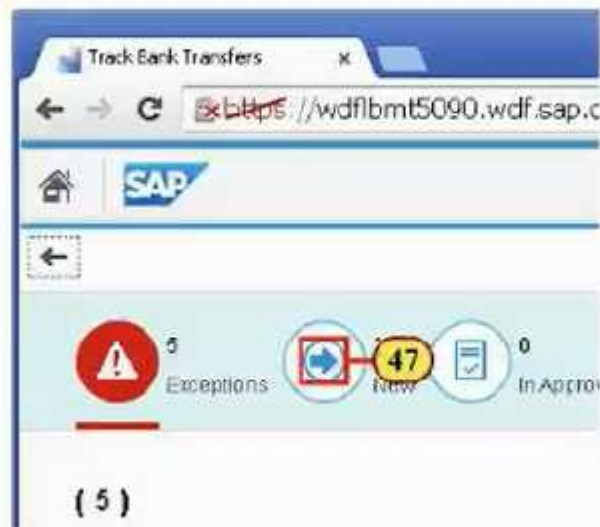
EXERCISE 8: APPROVE A BANK PAYMENT



Approve your Bank Payment ##.



Step	Action
(46)	Click Track Bank transfers .



Step	Action
(47)	Click New  .

Exercise 8: Approve a Bank Payment

Track Bank Transfers

Exceptions: 5, New: 2, In Approval: 0, Approved: 0, Sent to Bank: 0

(2)

Transfer Date	From	To	Payment Method	Detailed
27.05.2015	ABN AMRO Bank Deutschland 4676231	Commerzbank 1234567891	Überweisung / Bank Transfer 48	Payment created
27.05.2015	ABN AMRO Bank Deutschland 4676231	Commerzbank 1234567891	Überweisung / Bank Transfer	Payment created

Step	Action
(48)	Click here Line 1 - Payment Method - Bank transfer.

Bank Transfer Details

Basic Information

Amount: 1.000,00 EUR

Identification: 00004B

Run Date: 27.05.2015

Document Number: 0000000002

Step	Action
(49)	Scroll Down.

Exerciso 8: Approve a Bank Payment

Bank Transfer Details

Document Number: 2000000003

Batch Number: 0000000003

Item Number: 00001

Navigate to: [Payment Details](#) **50**

From

Step	Action
(50)	Click Payment Details .



If this step fails, open a new instance of the Fiori Launchpad.

Payment Documents (2)			Layout Variant	DEF	
St...	Source Application Descripti...	Liquidity Item Description	Transaction Amount	Re...	Ve...
€	Payment	Bank Transfer	-1.000,00	51	27
€	Payment	Bank Transfer	1.000,00	•	27

Step	Action
(51)	Click -1 000,00 .

Exercise 8: Approve a Bank Payment



Step	Action
(54)	Click Current Processor .



You should see user AC105A-## as the Current Processor. Log on to the Fiori Launchpad again with the **Current Processor User (AC105A-##)**

Exercise 8: Approve a Bank Payment



Step	Action
(55)	Enter AC105A-## in the User box. Confirm your entry by pressing the Tab key.
(56)	Enter initial in the Password box.
(57)	Click Log On .



Step	Action
(58)	Click Approve Bank Payments .

Exercise 8: Approve a Bank Payment

The screenshot shows the SAP Fiori 'Approve Bank Payments' application. The browser address bar displays the URL: `https://wdfbmt5030.wdf.sap.corp:50081/sap/bc/ui5_ui5/ui2/ushell/st`. The page title is 'Approve Bank Payments'. The main content area shows a list of payment batches under the heading 'Payment batches (2)'. The first batch is for 'IDES AG' with a value of '1K EUR', ID '3', and '1 Payment' to 'ABN AMRO Bank Deutschland'. The status is 'New'. A red box highlights the 'Approve' icon (a blue circle with a white checkmark) in the action bar. Below the list, the account 'Migra' is visible.

Step	Action
(59)	 Click

This screenshot shows the same SAP Fiori application after the 'Approve' action. The 'Approve' icon is now disabled and greyed out. A red box highlights the 'Info' icon (a blue circle with a white 'i'). A yellow notification badge with the number '60' is visible next to the 'Info' icon. The user's name 'XIESHU:' is displayed at the bottom of the screen.

Exercise 8: Approve a Bank Payment

Step	Action
(60)	Click  .



Payment	Payee	Urgent	Amount
2000000003	Ides AG	No	1.000,00 EUR

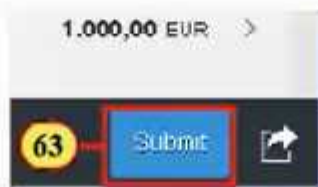
Step	Action
(61)	Click Approve .



Payments (1)

Payment	Payee	Urgent	Amount
2000000003	Ides AG	No	1.000,00 EUR

Step	Action
(62)	Click Reject .



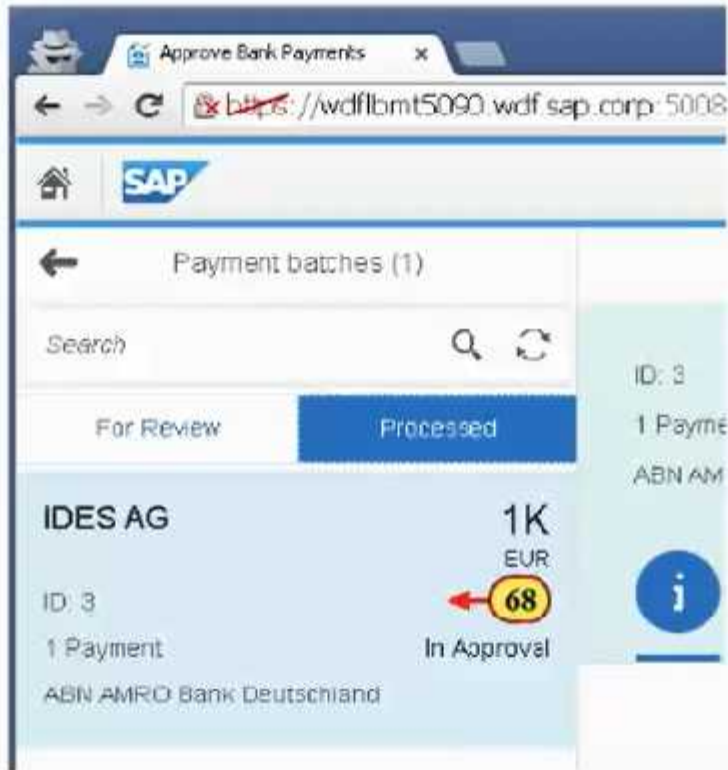
Step	Action
(63)	Click Submit .

Exercise 8: Approve a Bank Payment

Step	Action
(64)	Enter initial in the Password box. Confirm your entry by pressing the Tab key.
(65)	Enter approved in the Note box.
(66)	Click OK .

Step	Action
(67)	Click Processed .

Exercise 8: Approve a Bank Payment



Step	Action
(68)	Click IDES AG .



Step	Action
(69)	Click  .




Exercise 8: Approve a Bank Payment


EUR Approved


ID: 3


1 Payment In Approval

ABN AMRO Bank Deutschland

 **DEMO_CM:**
Waiting for Approval

 **XIESHU:**
Approved - 27.06.2015

 **XIESHU:** approved
Note - 27.05.2015



Log on with the Current Processor User AC105B-##

Logon - SAP Web Application - x

https://wdfbmt5090.wdf.sap.corp:50081/sap/tx/ur5_ui5/ui2/shell/shells/dbrp/F

Logon

User* 70

Password* 71

[Change Password](#)

Step

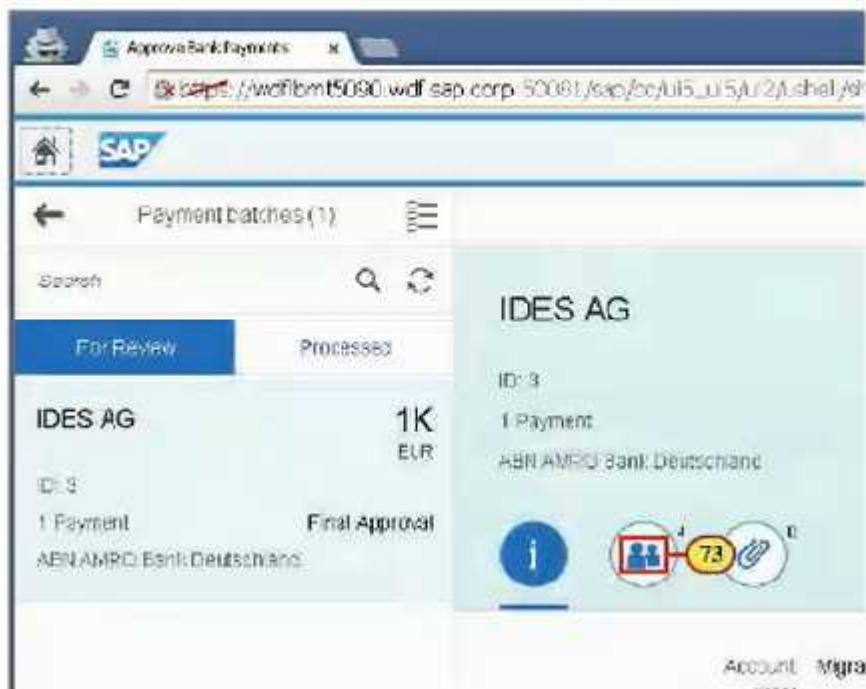
Action

Exercise 8: Approve a Bank Payment

Step	Action
(70)	Enter AC105B-## in the User box. Confirm your entry by pressing the Tab key.
(71)	Enter initial in the Password box. Confirm your entry by pressing the Enter key.



Step	Action
(72)	Click Approve Bank Payments .



Exercise 8: Approve a Bank Payment

Step	Action
(73)	Click  .



Step	Action
(74)	Click  .

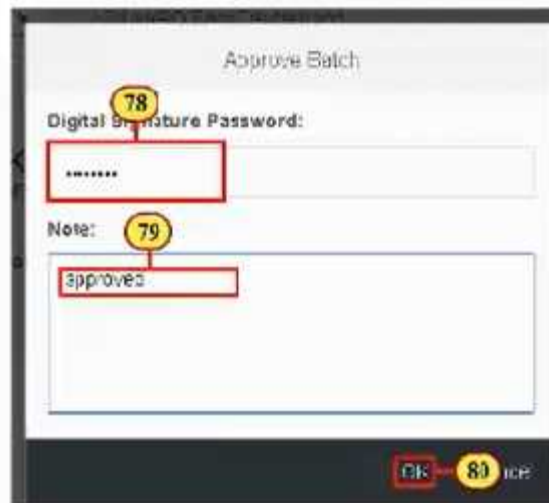


Step	Action
(75)	Drag .
(76)	Drop on .

Exercise 8: Approve a Bank Payment

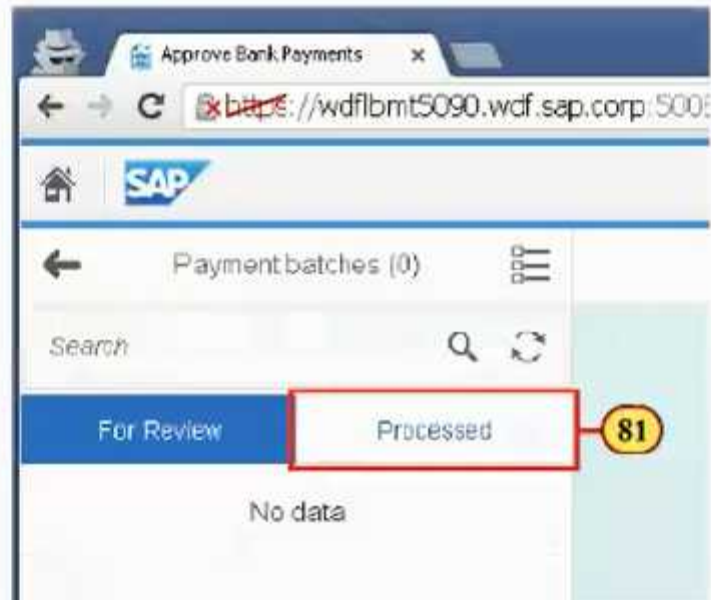


Step	Action
(77)	Click Approve .

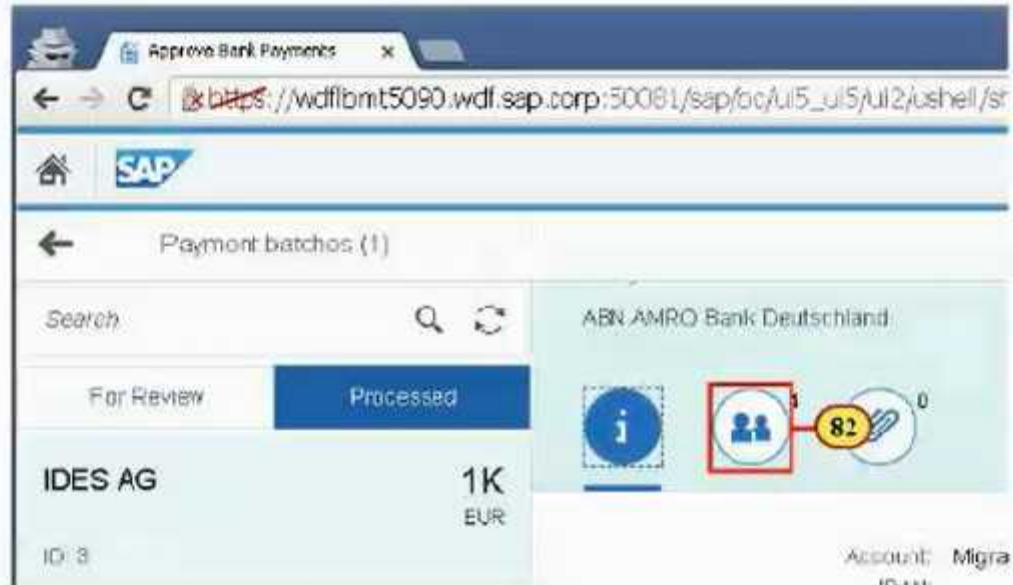


Step	Action
(78)	Enter initial in the Password box. Confirm your entry by pressing the Tab key.
(79)	Enter approved in the Note box.
(80)	Click OK .

Exercise 8: Approve a Bank Payment



Step	Action
(81)	Click Processed .



Step	Action
(82)	Click  .

Exercise 8: Approve a Bank Payment



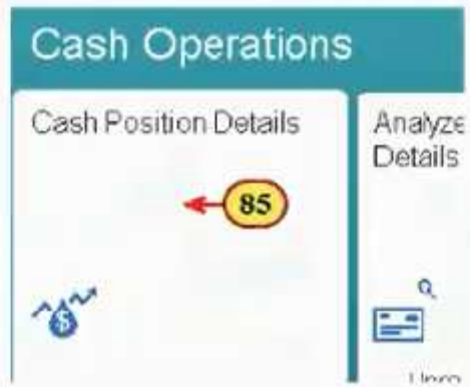
The exercise is now completed.

Exercise 9: Review the Cash Position

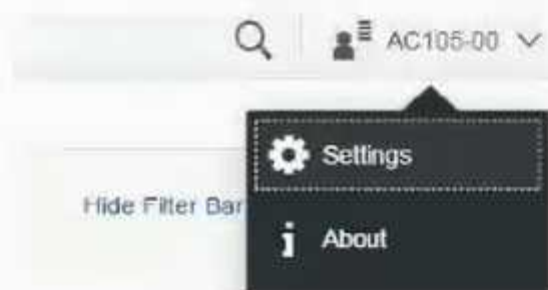
EXERCISE 9: REVIEW THE CASH POSITION



Review Cash Position



Step	Action
(85)	Click Cash Position Details .



Step	Action
(85a)	Click Settings .

Exercise 9: Review the Cash Position

Settings

Reporting Currency:

Exch. Rate Type:

Hierarchy Name:

OK Cancel

Step	Action
(85b)	Enter Reporting Currency EUR
(85c)	Enter Exchange Rate Type 001
(85d)	Enter Hierarchy Name LIH01
(85e)	Click OK .

Hide Filter Bar

Filters (1)

Go

Step	Action
(85f)	Click Go .

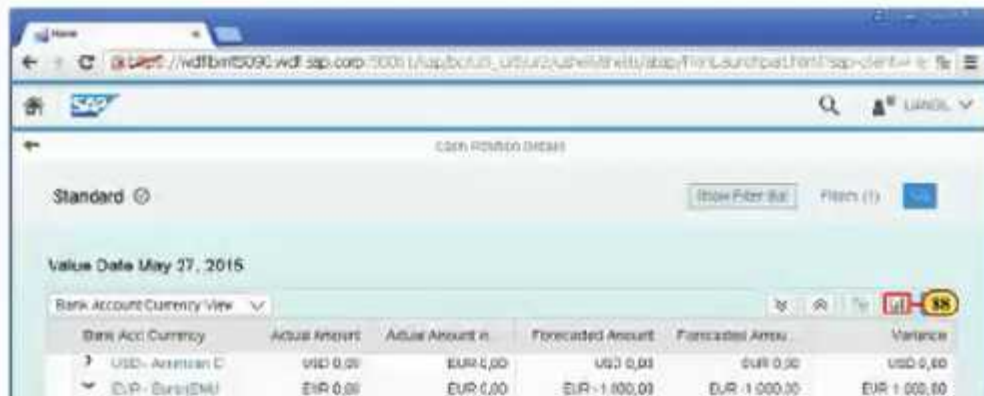
Exercise 9: Review the Cash Position



Step	Action
(86)	Click > EUR - Euro (EMU)




Step	Action
(87)	Click Hide Filter Bar



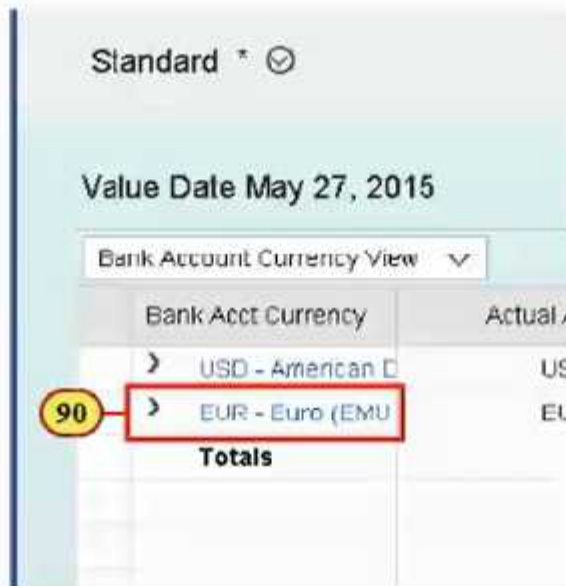
Step	Action
(88)	Click > EUR - Euro (EMU)

Exercise 9: Review the Cash Position

Step	Action
(88)	Click Graph  .

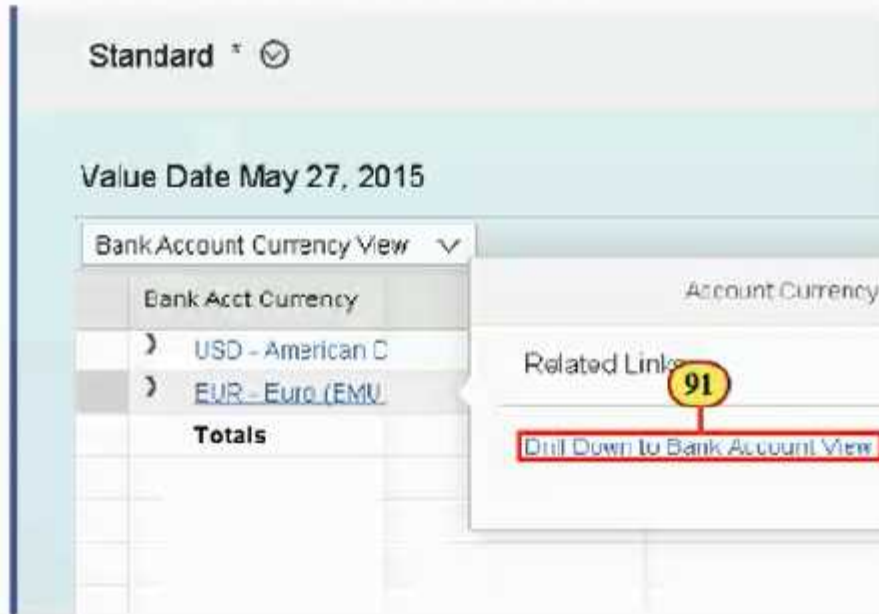


Step	Action
(89)	Click Graph  .

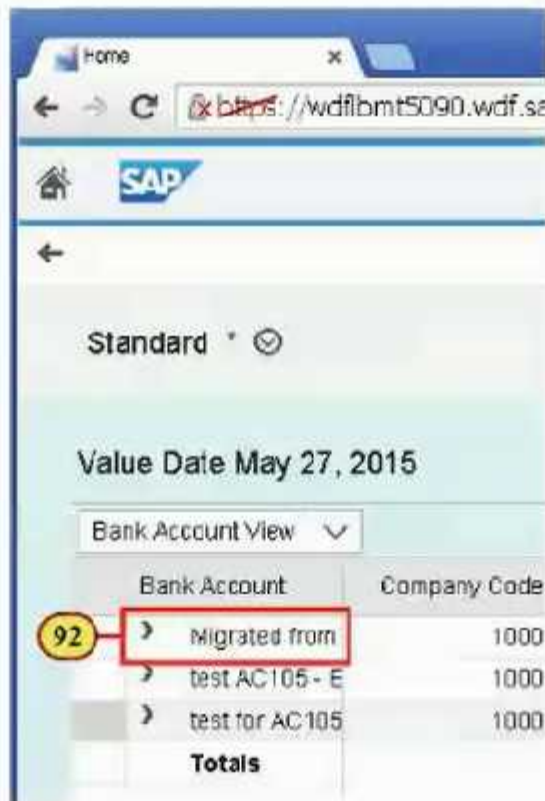


Step	Action
(90)	Click  EUR - Euro (EMU).

Exercise 9: Review the Cash Position



Step	Action
(91)	Click Drill Down to Bank Account View .



Exercise 9: Review the Cash Position

Step	Action
(92)	Click Migrated from .

Cash Position Details

Standard

Show Filter Bar Filters: 3

Value Date May 27, 2015

Bank Account View

Bank Account	Company Code	Actual Amount	Actual Amount	Forecasted Am.	Forecasted Am.	Var.
Migrated from	1000	EUR 0,00	EUR 0,00	EUR -6.000,00	EUR -6.000,00	EUR 0,00
Opening B		EUR 0,00	EUR 0,00	EUR 0,00	EUR 0,00	EUR 0,00
Bank Trans		EUR 0,00	EUR 0,00	EUR -6.000,00	EUR -6.000,00	EUR 0,00
Closing B		EUR 0,00	EUR 0,00	EUR -6.000,00	EUR -6.000,00	EUR 0,00
test AC100 - E	1000	EUR 0,00	EUR 0,00	EUR 0,00	EUR 0,00	EUR 0,00
test for AC100	1000	EUR 0,00	EUR 0,00	EUR 5.000,00	EUR 5.000,00	EUR 0,00
Table			sum 0,00		sum -6.000,00	

Step	Action
(93)	Click Forecasted Amount -6.000,00 .

Analyze Payment Documents

Standard

Hide Filter Bar Filters: 3

Value Date: 27.05.2015

Company Code: 1000

Bank Account: 1000000

Bank Currency: EUR

Payment Documents (2)

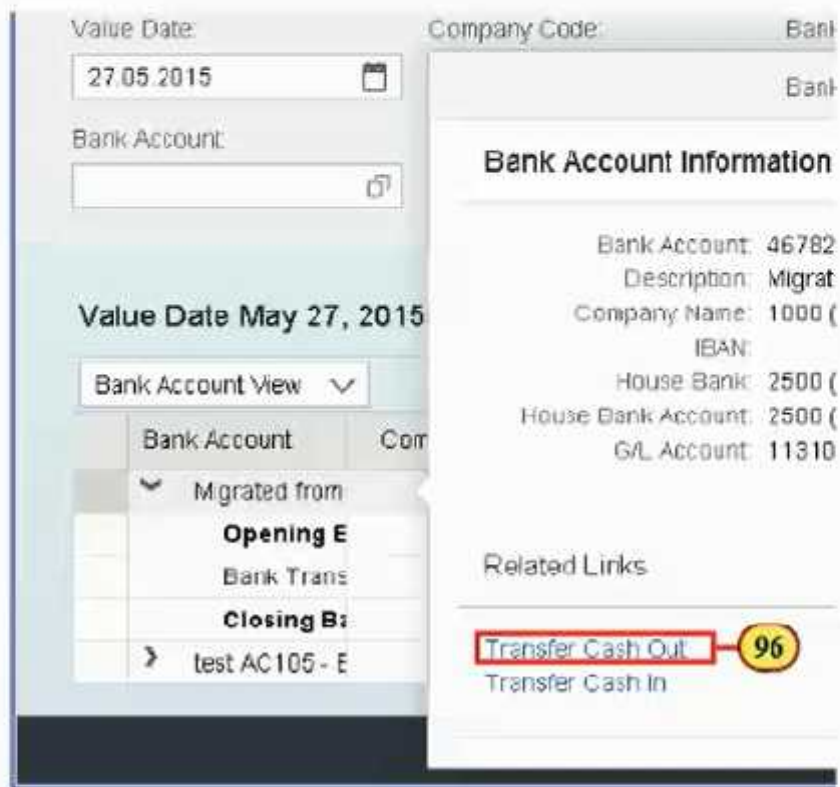
Source Application	Description	Transaction Amount	Re	Value Date	Cur
Bank Trans	Bank Transfer	-6.000,00	•	27.05.2015	EUR
Bank Trans	Bank Transfer	-6.000,00	•	27.06.2015	EUR

Step	Action
(94)	Click ←

Exercise 9: Review the Cash Position

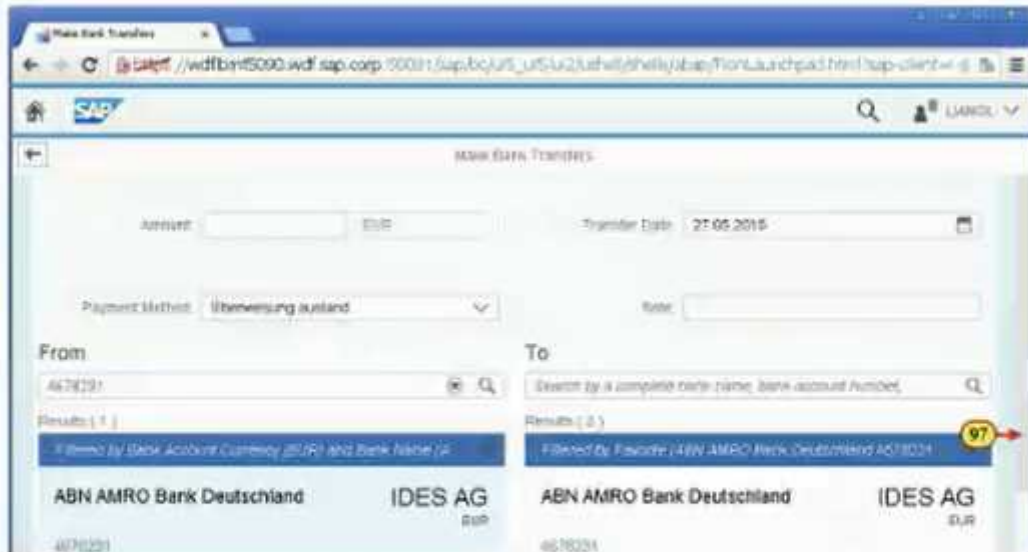


Step	Action
(95)	Click Migrated From .



Step	Action
(96)	Click Transfer Cash Out .

Exercise 9: Review the Cash Position




Step	Action
(97)	Drag .



Step	Action
(98)	Click ← .

Exercise 9: Review the Cash Position



Step	Action
(99)	Click  .

DEMO 3: PERFORM CASH OPERATIONS CUSTOMIZING

 *Check and perform bank transfer customizing*



Step	Action
(1)	Enter F11cu in the Transaction box . Confirm your entry by pressing the Enter key.



Step	Action
(2)	Click All company codes .

Demo 3: Perform Cash Operations Customizing

Table View Edit Goto Selection Utilities

Change View "Company Codes":

New Entries

Company Code	Name
0001	SAP A.G.
0002	AC Help
0005	ICES AG NEW GL
0006	ICES US INC New
0007	ICES AG NEW GL
0008	ICES US INC New
0100	ICES Japan 0100
0110	ICES Japan 0110
1000	ICES AG
1010	ICES AG (AC200)
1300	ICES AG - WDVS
2000	ICES UK
2100	ICES Portugal

Step	Action
(3)	Double click in the input field Company Code - 1000 to activate it.

Demo 3: Perform Cash Operations Customizing

Table View Edit Goto Selection Utilities System Help

Change View "Company Codes": Details

New Entries

Company Code 1000 IDES AG Paying company code

Control data

Sending company code Q

Paying company code 1000 IDES AG f

Separate payment per business area

Pyt meth suppl.

Cash discount and tolerances

Tolerance days for payable 5

Outgoing pmnt with cash disc. from 2.0 %

Max. cash discount

Vendors

Sp. G/L transactions to be paid K Z Dwn Pmt f 4

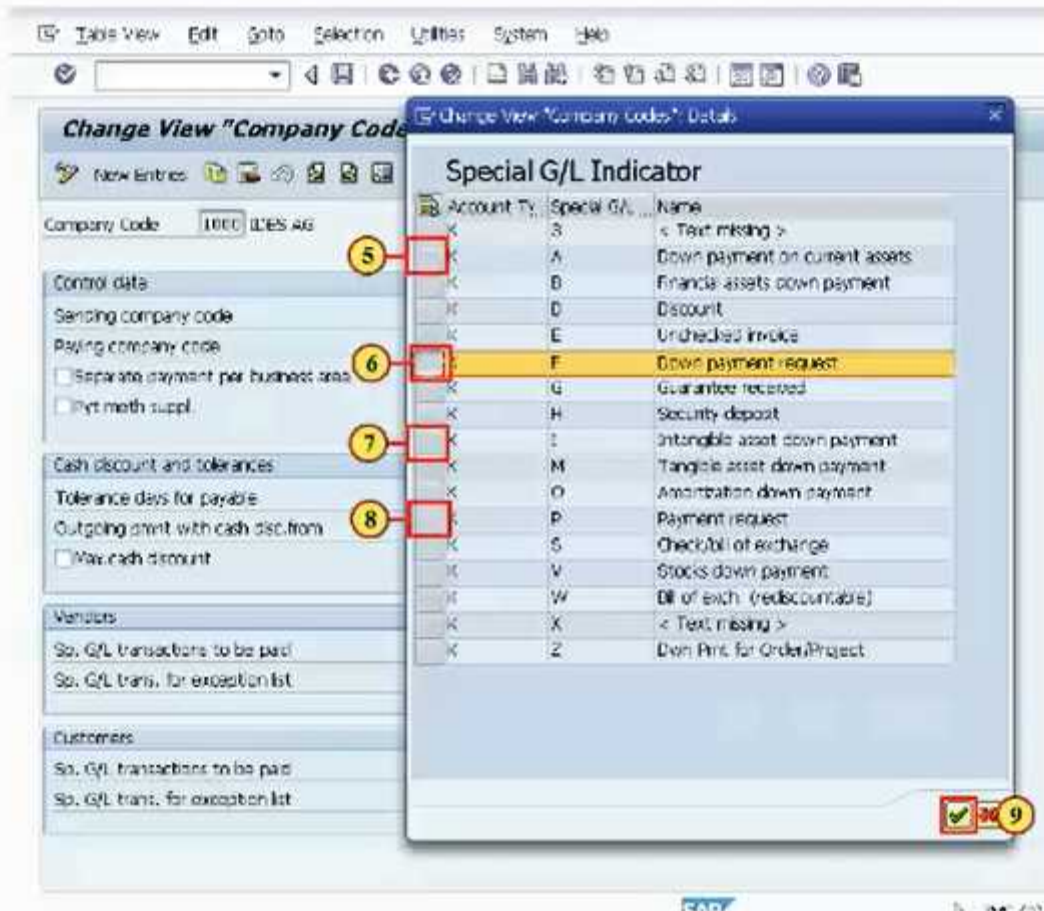
Sp. G/L trans. for exception list APH

Customers

Sp. G/L transactions to be paid APJ

Step	Action
(4)	Enter Z in the Sp. G/L transactions to be paid box.

Demo 3: Perform Cash Operations Customizing



Step	Action
(5)	Click Line Selection - Special G/L: A .
(6)	Click Line Selection - Special G/L: F .
(7)	Click Line Selection - Special G/L: I .
(8)	Click Line Selection - Special G/L: P .
(9)	Click Choose . You can also press F2 .

Demo 3: Perform Cash Operations Customizing

Table view Edit Goto Selection Utilities System Help

Change View "Company Codes": Details

New Entries

Company Code 1000 IDES AG Paying company code

Control data

Sending company code Q

Paying company code 1000 IDES AG

Separate payment per business area

Pyt meth suppl.

Cash discount and tolerances

Tolerance days for payable 5

Outgoing prmt with cash disc.from 2.0 %

Max.cash discount

Vendors

Sp. G/L transactions to be paid AFIP

Sp. G/L trans. for exception list AFI

Customers

Sp. G/L transactions to be paid **AF0** 10

Sp. G/L trans. for exception list

Step	Action
(10)	Click the Sp. G/L transactions to be paid field to activate it.

Demo 3: Perform Cash Operations Customizing

Table View Edit Goto Selection Utilities System Help

Change View "Company Codes": Details

New Entries

Company Code 1000 IDES AG Paying company code

Control data

Sending company code

Paying company code 1010 IDES AG

Separate payment per business area

Pay meth suppl.

Cash discount and tolerances

Tolerance days for payable

Outgoing omit with cash disc. from %

Max cash discount

Vendors

Sp. G/L transactions to be paid

Sp. G/L trans. for exception list

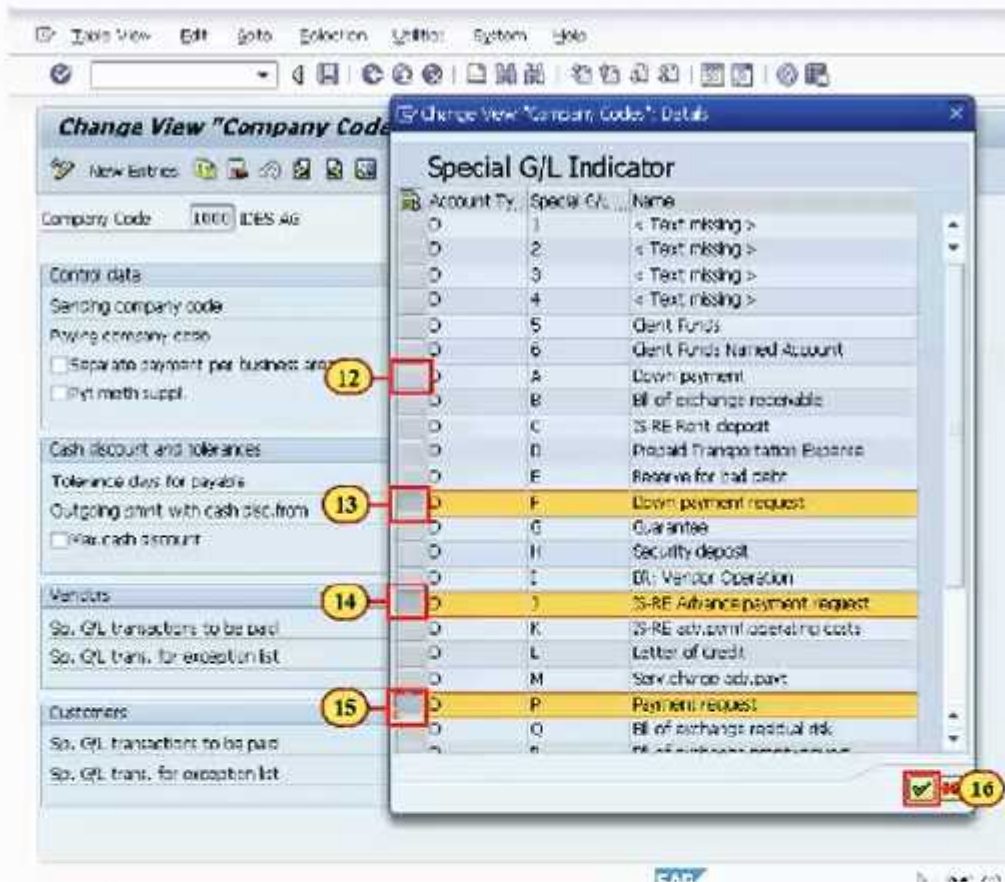
Customers


Sp. G/L transactions to be paid **11**

Sp. G/L trans. for exception list

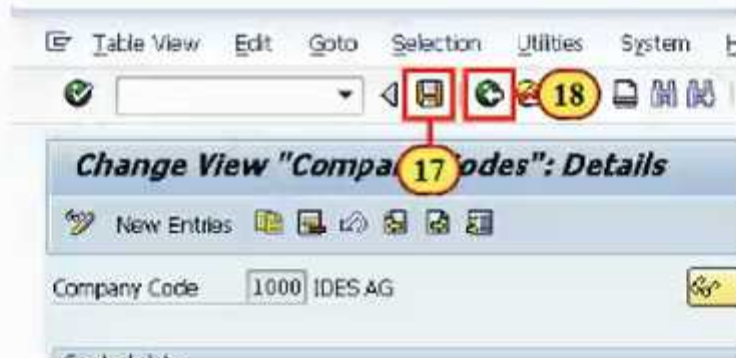
Step	Action
(11)	Click Input Help Sp. G/L transactions to be paid <input type="button" value="i"/> to open a drop-down list with valid values.

Demo 3: Perform Cash Operations Customizing



Step	Action
(12)	Click Line Selection - Special G/L: A.
(13)	Click Line Selection - Special G/L: F.
(14)	Click Line Selection - Special G/L: J.
(15)	Click Line Selection - Special G/L: P.
(16)	Click Choose  . You can also press F2.

Demo 3: Perform Cash Operations Customizing



Step	Action
(17)	Click Save  . You can also press Ctrl+S .
(18)	Click Back  to return to the previous page. You can also press F3 .



Step	Action
(19)	Click Paying company codes .

Demo 3: Perform Cash Operations Customizing

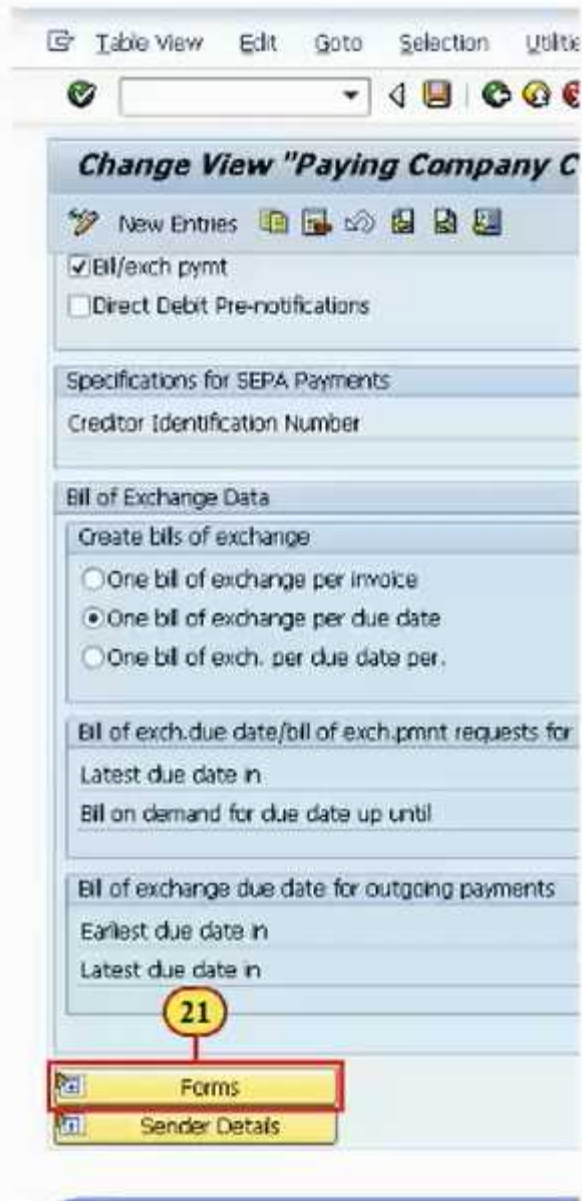
The screenshot shows the SAP 'Change View' interface for 'Paying Company Codes'. The window title is 'Change View "Paying Company C...'. The menu bar includes 'Table View', 'Edit', 'Goto', 'Selection', and 'Utilities'. Below the menu is a search field and several icons. The main area contains a table with the following data:

Paying company code	Name
0001	SAP A.G.
0002	AC Heb
0005	IDES AG NEW GL
0006	IDES US INC New
0007	IDES AG NEW GL
0008	IDES US INC New
0100	IDES Japan 0100
0110	IDES Japan 0110
1000	IDES AG
1010	IDES AG (AC200)
1500	IDES AG - WDVST
2000	IDES UK
2100	IDES Portugal

A yellow circle with the number '20' is positioned over the '0100' code, with a red line pointing to the '1000' code. The '1000' code and its corresponding name 'IDES AG' are highlighted with a red rectangular box.

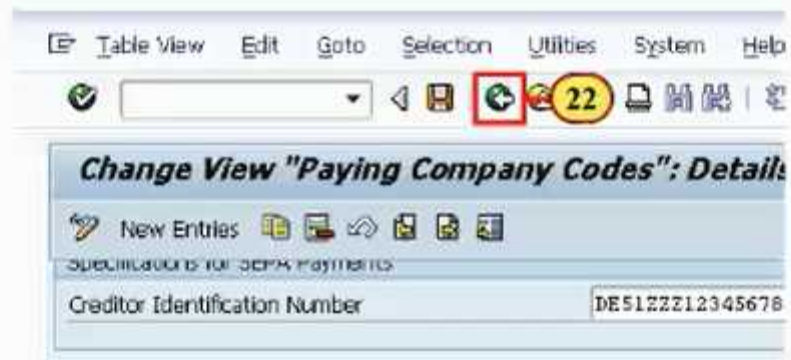
Step	Action
(20)	Double click in the input field Paying company code - 1000 to activate it.

Demo 3: Perform Cash Operations Customizing

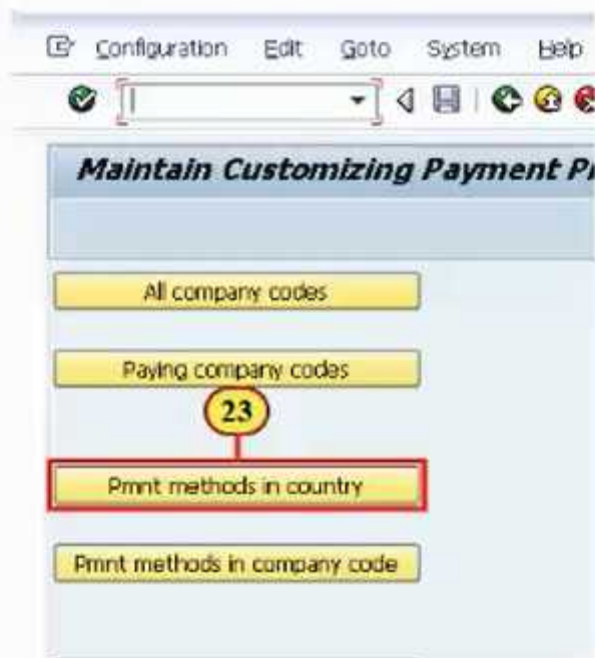


Step	Action
(21)	Click Forms .

Demo 3: Perform Cash Operations Customizing



Step	Action
(22)	Click Back to return to the previous page. You can also press F3 .



Step	Action
(23)	Click Pmnt methods in country .

Demo 3: Perform Cash Operations Customizing

Table View Edit Goto Selection Utilities System Help

Change View "Payment Method/Country": Overview

New Entries

Dialog Structure

- Payment Method/Country
 - Currencies Allowed
 - Permitted Destination
 - Note to Payee by Cr

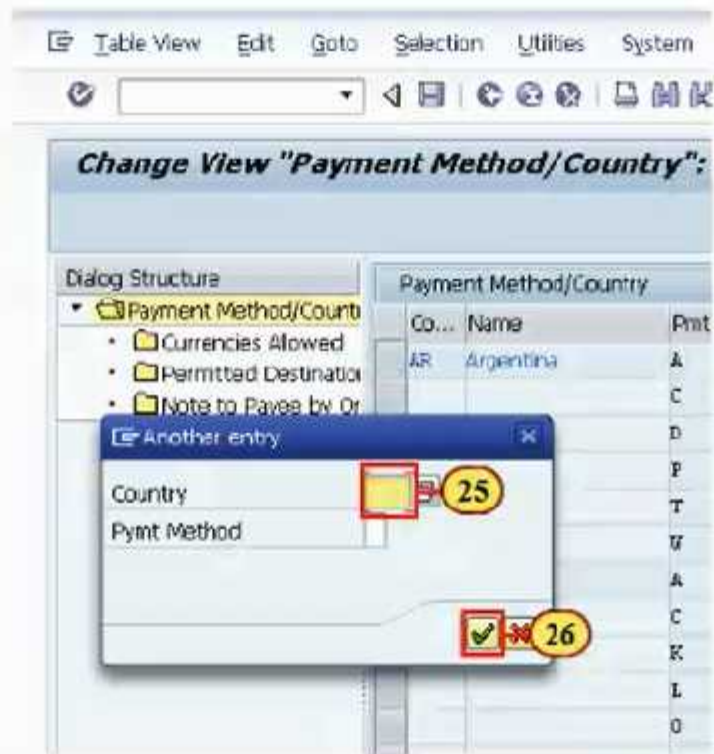
Co...	Name	Pmt me...	Name
AR	Argentina	A	Débito Automático
		C	Cheque Corriente
		D	Cheque Diferido
		P	Venc. Ch Dif. Emit. (a S
		T	Transferencia Bancaria
		U	Pago electrónico
AT	Austria	A	Bankabbuchung
		C	Überweisung C-Formular
		K	Auslandsscheck
		L	Auslandsüberweisung
		O	Orderscheck
		P	PSK Überweisung
		R	PSK Anweisung
		S	Scheck
		U	Überweisung
		Y	Verrechnung (Konzern)
		W	Wechsel (Ausgangszahl)

Position... 24 Ent

SAP

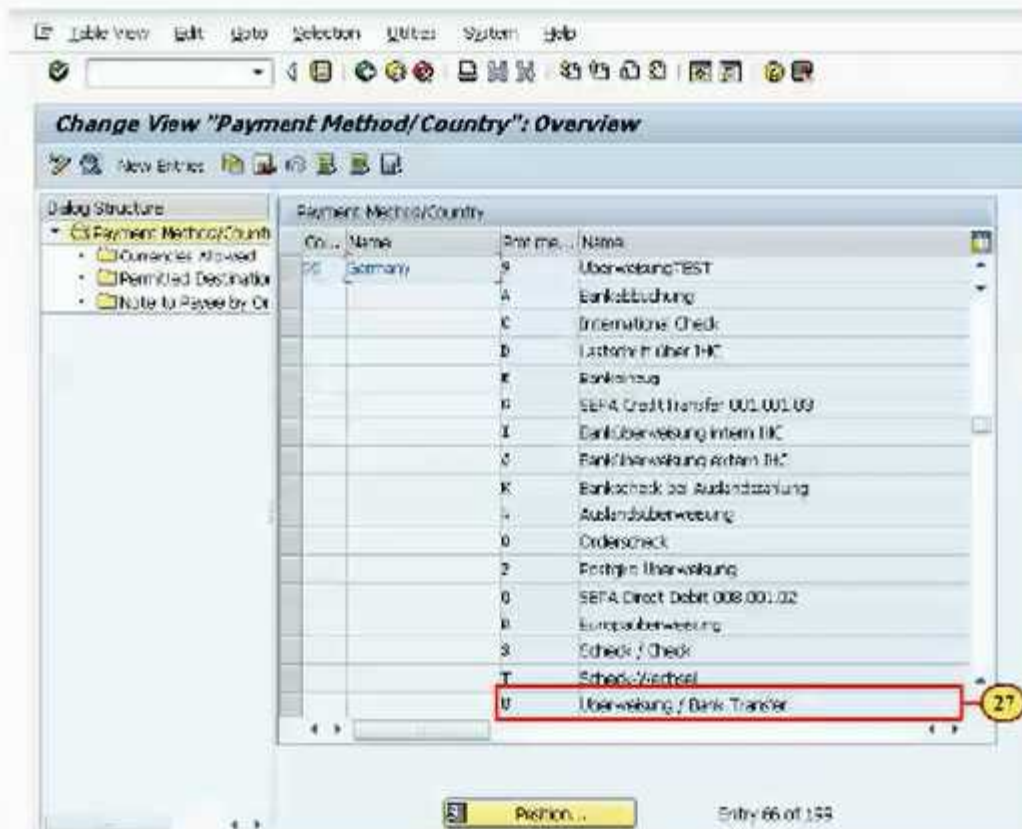
Step	Action
(24)	Click Position... 

Demo 3: Perform Cash Operations Customizing

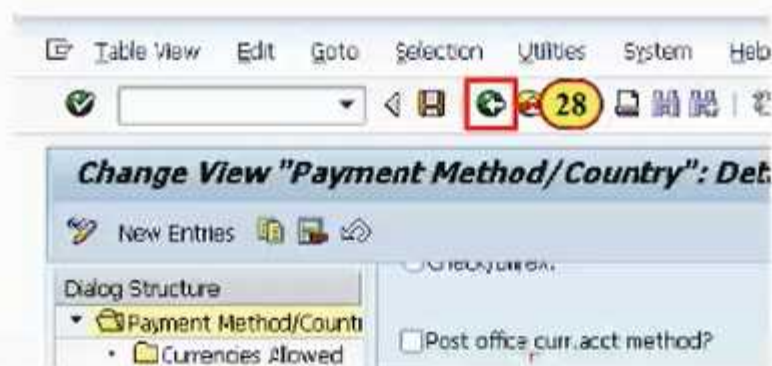


Step	Action
(25)	Enter De in the Country box. Confirm your entry by pressing the Enter key.
(26)	Click Select .

Demo 3: Perform Cash Operations Customizing



Step	Action
(27)	Double-Click Payment Method U .



Step	Action
(28)	Click Back to return to the previous page. You can also press F3 .

Demo 3: Perform Cash Operations Customizing



Step	Action
(29)	Click Pmnt methods in company code .

Demo 3: Perform Cash Operations Customizing

Table View Edit Goto Selection Utilities System

Change View "Maintenance of Company"

New Entries

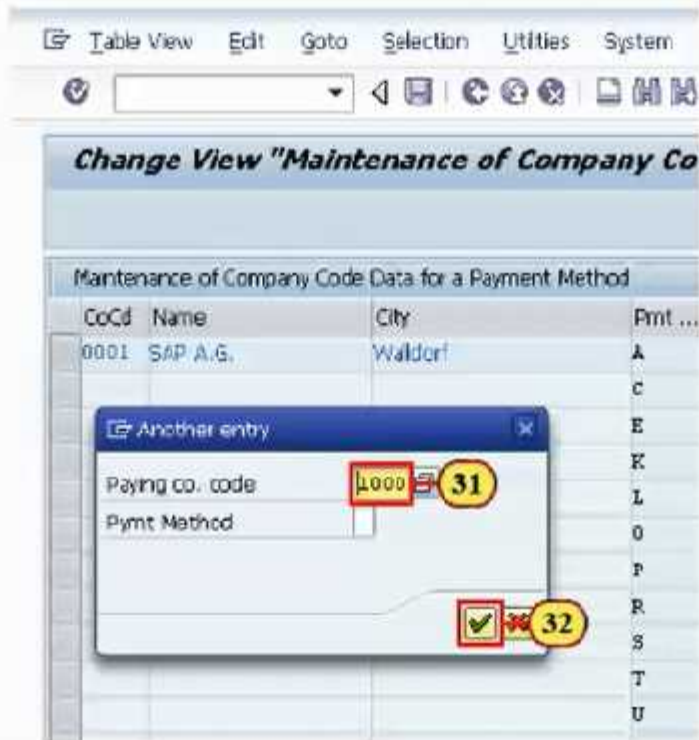
Maintenance of Company Code Data for a Payment Method

CoCd	Name	City	Pr
0001	SAP A.G.	Waldorf	A
			C
			E
			K
			L
			O
			P
			R
			S
			T
			U
			V
			W
0002	AC Help	Frankfurt	0
			1
			2
			A

Position... 30 Entry

Step	Action
(30)	Click Position....

Demo 3: Perform Cash Operations Customizing



Step	Action
(31)	Enter 1000 in the Paying co. code box.
(32)	Click Continue . You can also press Enter .



Step	Action
(33)	Double-Click Payment Method U .

Demo 3: Perform Cash Operations Customizing

Table View Edit Goto Selection Utilities

Change View "Maintenance of Co

New Entries

Paying co. code 1000 IDES AG
Pymt Method U Überweisung / Bank Tra

Amount limits

Minimum amount 2.00 EUR
Maximum amount 999,999,999.99 EUR
Distribution amnt EUR

Foreign payments/foreign currency payments

Foreign business partner allowed
 Foreign currency allowed
 Custom bank abroad allowed?

Form Data
Sender Details

Step	Action
(34)	Click Form Data

Table View Edit Goto Selection Utilities System Help

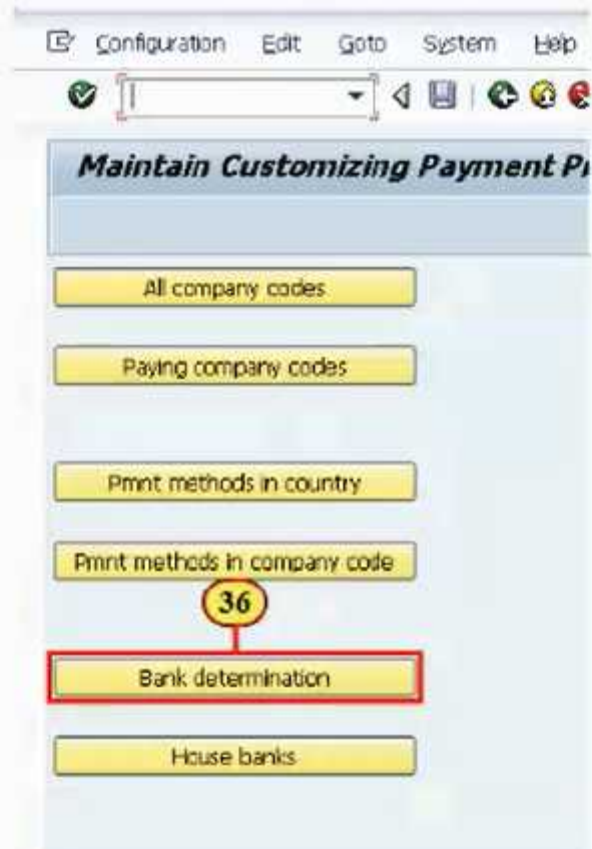
Change View "Maintenance of Company Code

New Entries

Paying co. code 1000 IDES AG
Pymt Method U Überweisung / Bank Transfer

Step	Action
(35)	Click Back to return to the previous page. You can also press F3 .

Demo 3: Perform Cash Operations Customizing



Step	Action
(36)	Click Bank determination .

Demo 3: Perform Cash Operations Customizing



Step	Action
(37)	Click Line Selection - Company Code 1000 .
(38)	Double-click on Ranking Order .

Demo 3: Perform Cash Operations Customizing

Table View Edit Goto Selection Utilities System Help

Change View "Ranking Order": Overview

New Entries

Dialog Structure

- Paying Company Codes
 - Ranking Order
 - Available Amounts
 - Bank Accounts

Paying company code: 1000 IDES AG

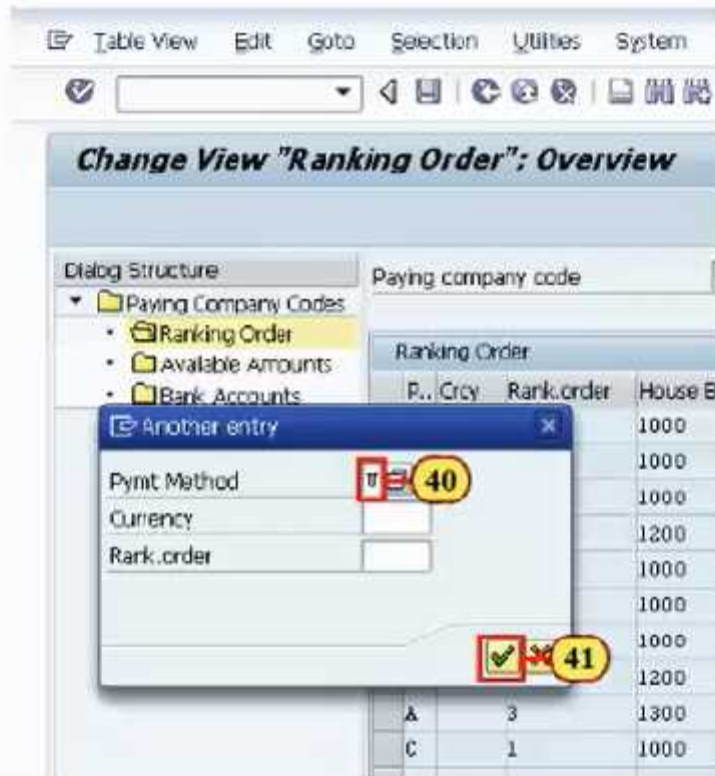
P..	Crcy	Rank..order	House Bk:	House bk:	Acct for bill/ext
0		1	1000	<input type="checkbox"/>	
1		1	1000		
2		1	1000		
2		2	1200		
5		1	1000		
6		1	1000		
A		1	1000		
A		2	1200		
A		3	1300		
C		1	1000		
D	EUR	1	DBKE		
D	USD	1	DBKE		
E		1	1000		
E		2	1200		
E		3	1300		

Position... 39 Ent

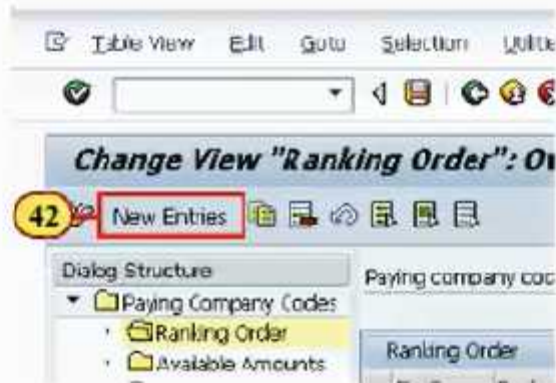
SAP

Step	Action
(39)	Click Position...

Demo 3: Perform Cash Operations Customizing

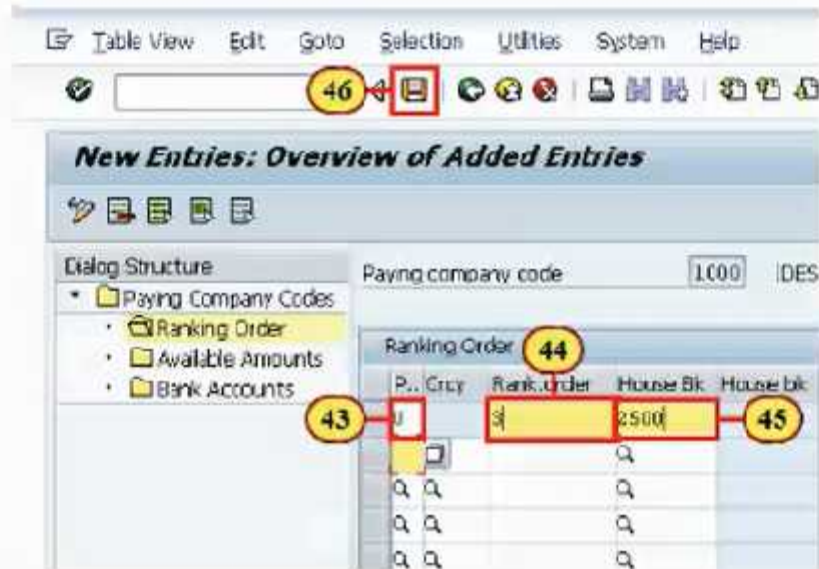


Step	Action
(40)	Enter U in the Pymt Method box. Confirm your entry by pressing the Enter key.
(41)	Click Continue . You can also press Enter .

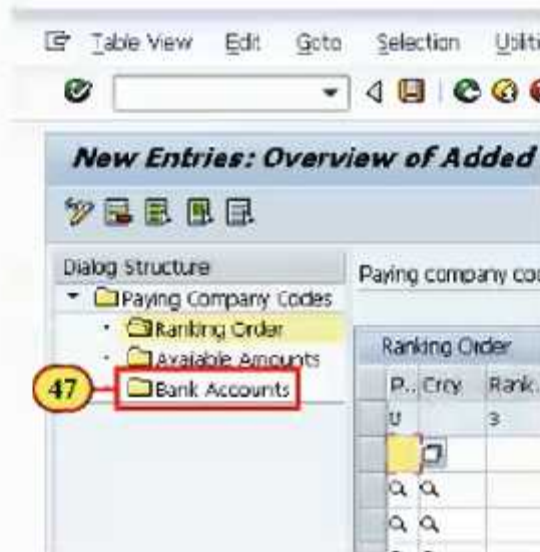


Step	Action
(42)	Click New Entries . You can also press F5 .

Demo 3: Perform Cash Operations Customizing



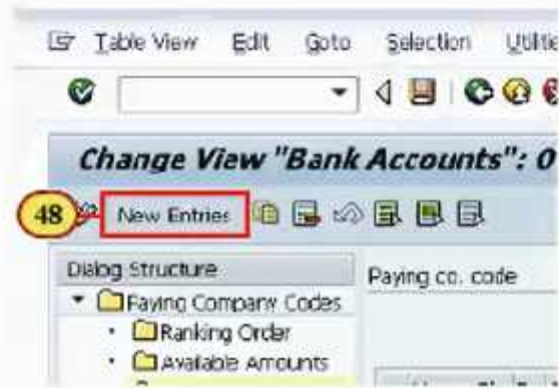
Step	Action
(43)	Enter U in the PM box. Confirm your entry by pressing the Tab key.
(44)	Enter 3 in the Rank.order box. Confirm your entry by pressing the Tab key.
(45)	Enter 2500 in the House Bk box. Confirm your entry by pressing the Enter key.
(46)	Click Save . You can also press Ctrl+S .



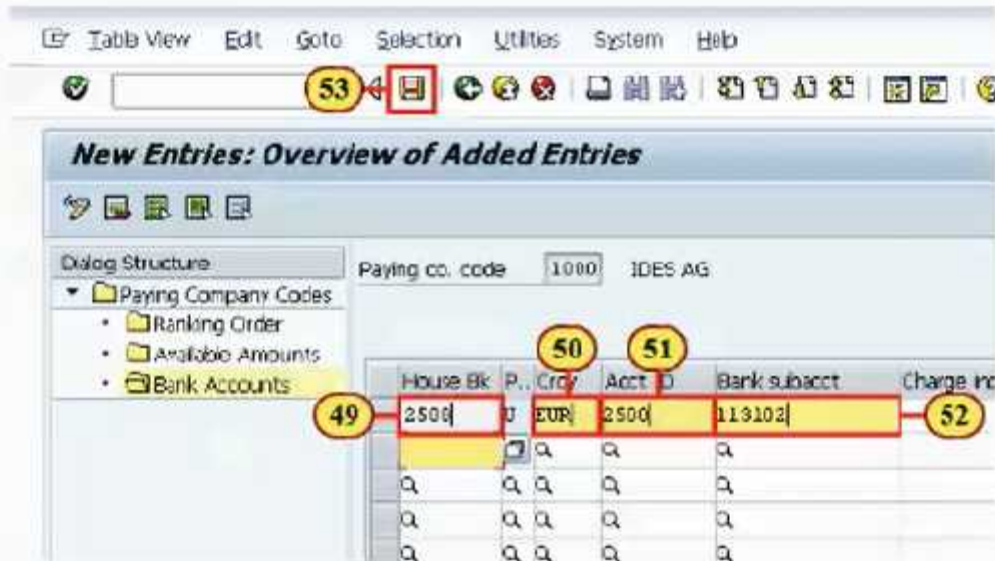
Step	Action
(47)	Click Bank Accounts in the Dialog Structure tree.

Demo 3: Perform Cash Operations Customizing

Step	Action
(47)	Double-click on Bank Accounts .



Step	Action
(48)	Click New Entries . You can also press F5 .



Step	Action
(49)	Enter 2400 in the House Bk box. Confirm your entry by pressing the Tab key.
(50)	Enter EUR in the Croy box. Confirm your entry by pressing the Tab key.
(51)	Enter 2400 in the Acct ID box. Confirm your entry by pressing the Tab key.
(52)	Enter 113102 in the Bank subacct box. Confirm your entry by pressing the Enter key.

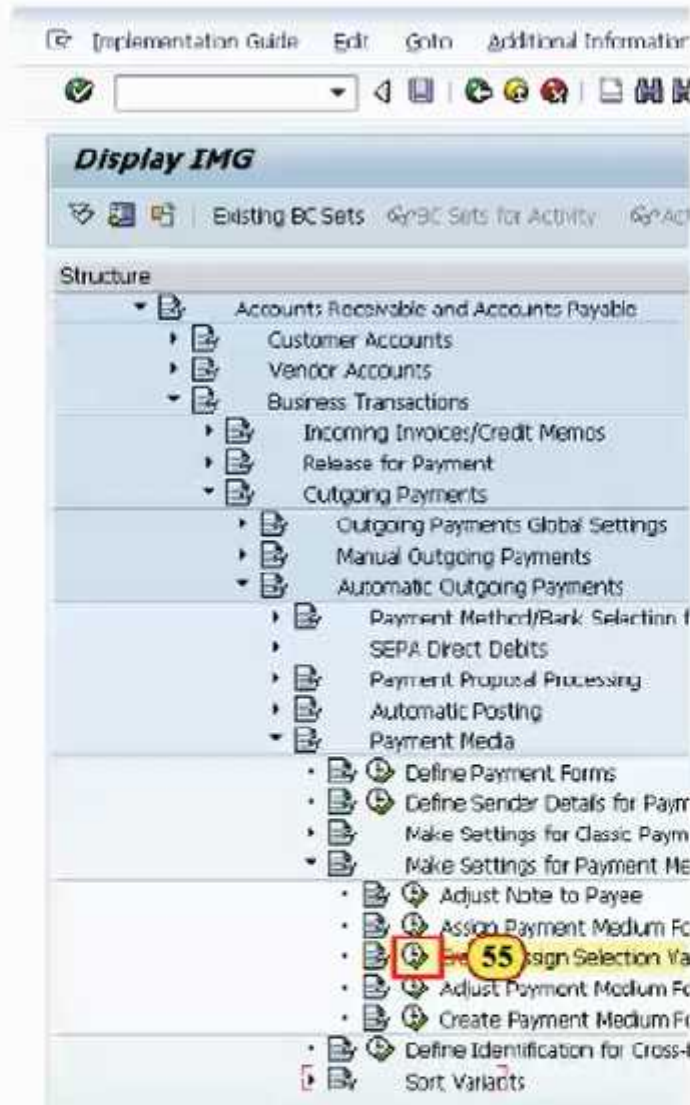
Demo 3: Perform Cash Operations Customizing

Step	Action
(53)	Click Save . You can also press Ctrl+S .



Step	Action
(54)	Click Back to return to the previous page. You can also press F3 .

Demo 3: Perform Cash Operations Customizing



Step	Action
(55)	Click on Create/Assign Selection Variants .

Demo 3: Perform Cash Operations Customizing



Step	Action
(56)	Click the DTAUS0 menu item to execute it.

Demo 3: Perform Cash Operations Customizing

Payment Medium: Selection Variants

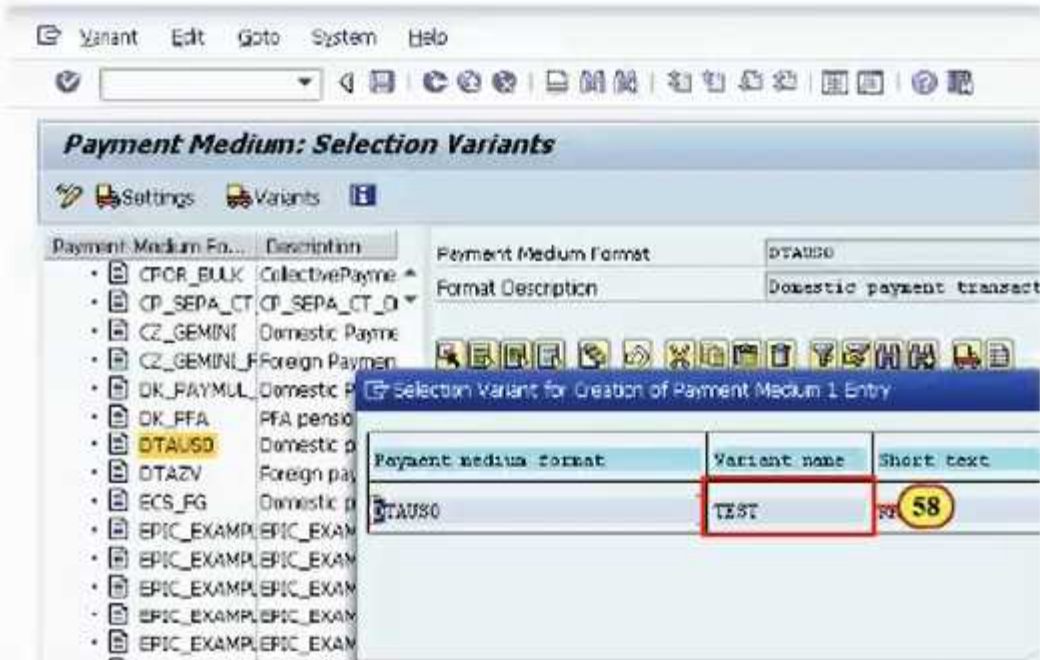
Payment Medium Format: BTANS
 Formal Description: Procedural payment transactions Gateway

Payment Medium Format Description: Payment Medium Output Separated Paths

Bank Key	Bank Name	Dev. variant	Output Vis.
42441114	Demobank (uncon. (DE))		
40348070	Deutsche Bank - Saarbrücken		
20030040	Deutsche Bank AG Frankfurt 70.07		
20030000	Deutsche Bank Hamburg 70.07		
30020700	Mediso Corporate Bank L.		
30030000	HSEB T. H. Bus & Bülthar		
00110000	Sumitomo Mitsui Banking		
00010000	Bank of America 00322		
00040000	Commerzbank AG Frankfurt		
00070010	Deutsche Bank Gruppe G. TEST		
00090000	Morgan Global Investment		
00210000	Citibank AG 00311 Frankfurt 70.07		
00010400	Barclays Bank PLC 00323		
00010700	The Bank of Tokyo-Mitsui		
01230400	ABN AMRO Bank Group		

Step	Action
(57)	Click Input Help Row of Bank Key 51230400 to open a drop-down list with valid values.

Demo 3: Perform Cash Operations Customizing

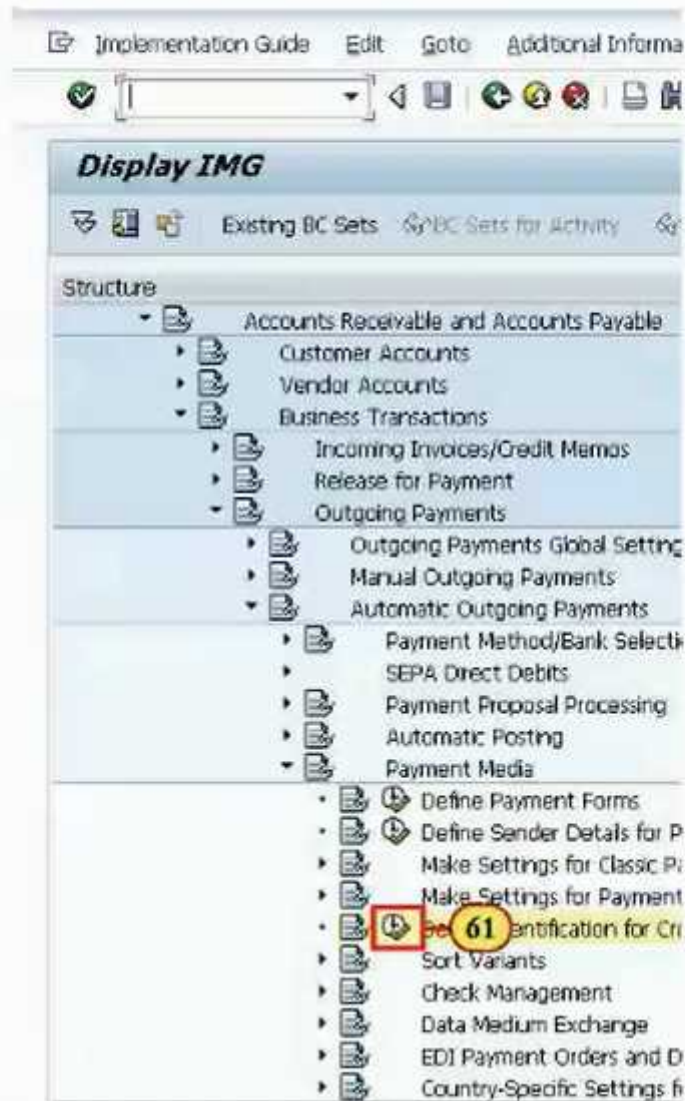


Step	Action
(58)	Double-click on Test .



Step	Action
(59)	Click Save . You can also press Ctrl+S .
(60)	Click Back to return to the previous page. You can also press F3 .

Demo 3: Perform Cash Operations Customizing

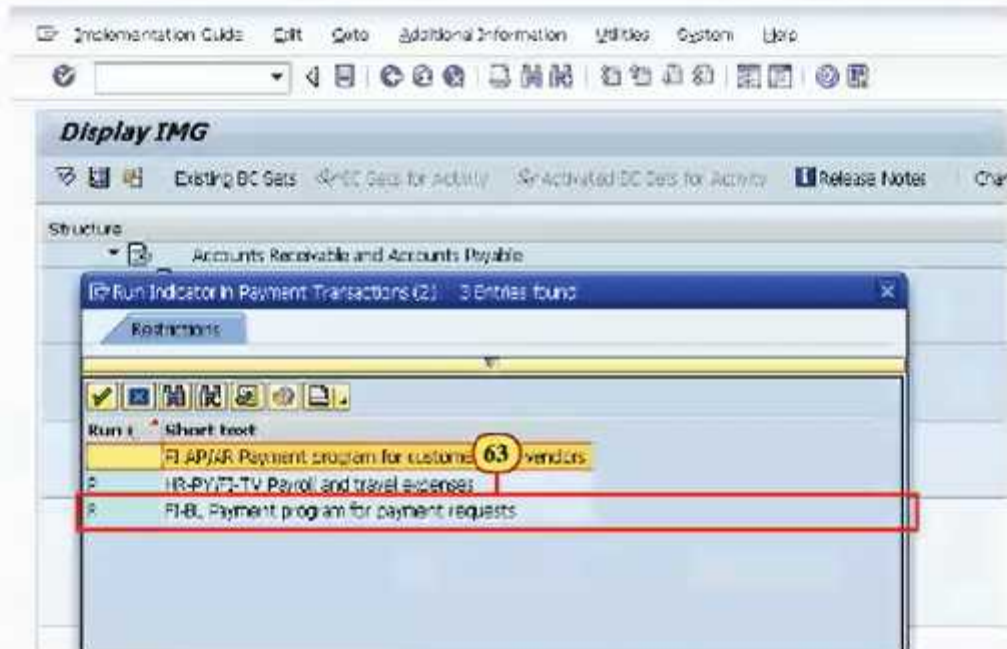


Step	Action
(61)	Click on Define Identification for Cross-Payment Run Payment Media .

Demo 3: Perform Cash Operations Customizing



Step	Action
(62)	Click Input Help Payment run indicator to open a drop-down list with valid values.




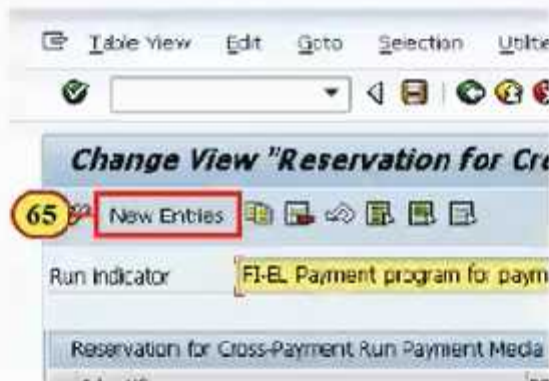
Step	Action
(63)	Double-click on R.

Demo 3: Perform Cash Operations Customizing



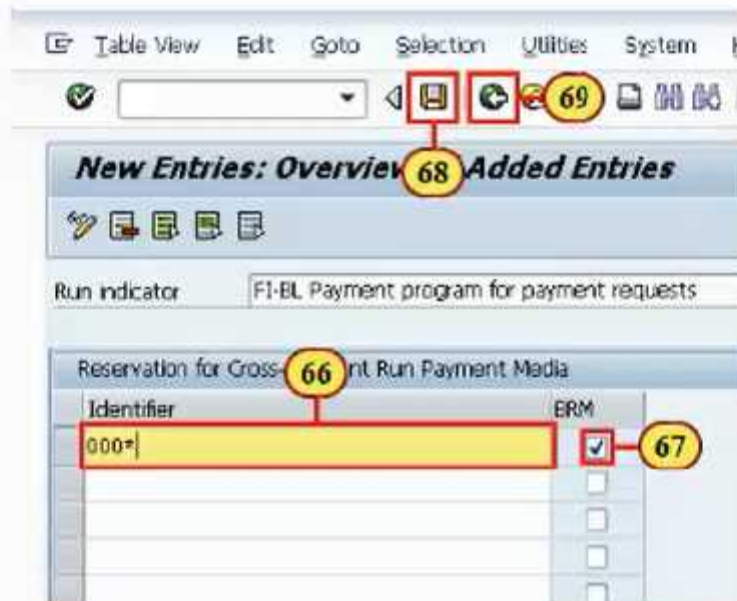
Step	Action
(64)	Click Continue . You can also press Enter .

 The customizing is already set in our system, you can just display the settings.

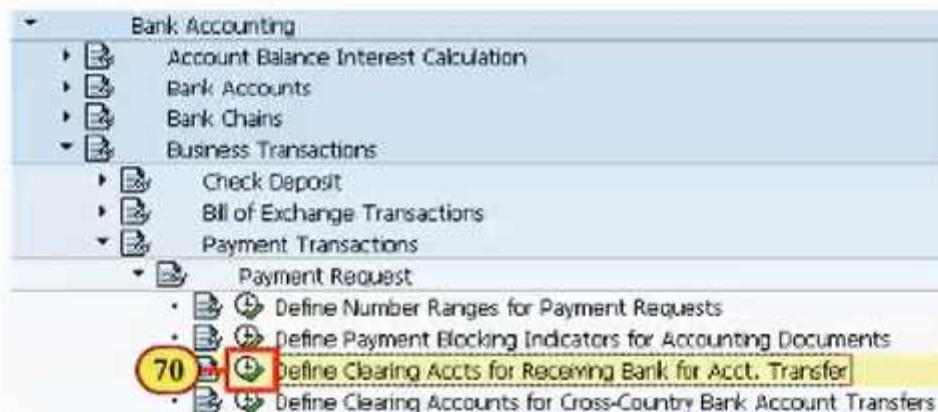


Step	Action
(65)	Click New Entries . You can also press F5 .

Demo 3: Perform Cash Operations Customizing

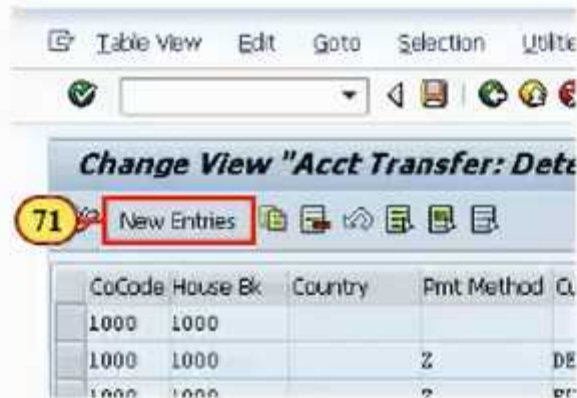


Step	Action
(66)	Enter 000* in the Identifier box.
(67)	Select the BRM check box.
(68)	Click Save . You can also press Ctrl+S .
(69)	Click Back to return to the previous page. You can also press F3 .

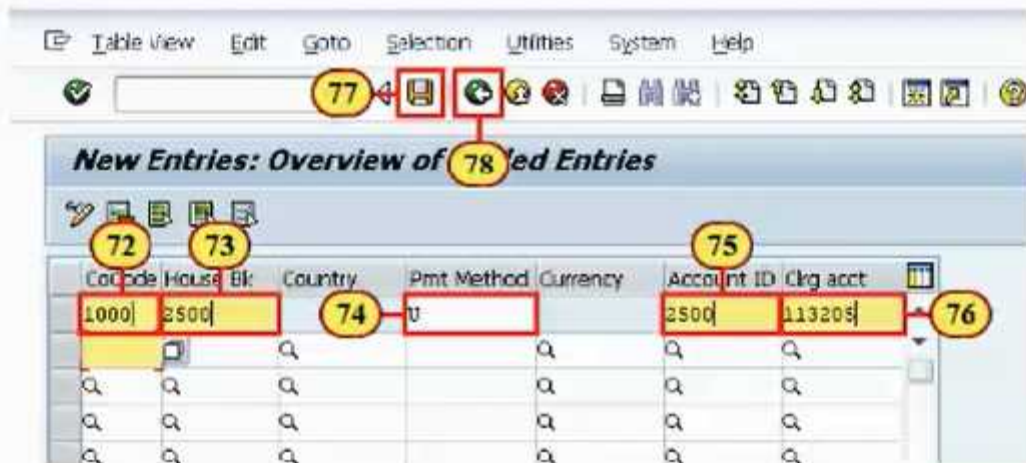


Step	Action
(70)	Double-click on Define Clearing Accts for Receiving Bank for Acct. Transfer .

Demo 3: Perform Cash Operations Customizing



Step	Action
(71)	Click New Entries . You can also press F5 .

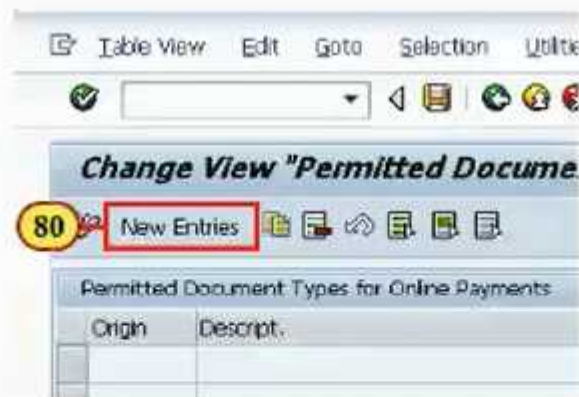


Step	Action
(72)	Enter 1000 in the CoCode box.
(73)	Enter 2400 in the House Bk box.
(74)	Enter U in the Pmt Method box.
(75)	Enter 2400 in the Account ID box.
(76)	Enter 113205 in the Clrg acct box. Confirm your entry by pressing the Enter key.
(77)	Click Save . You can also press Ctrl+S .
(78)	Click Back to return to the previous page. You can also press F3 .

Demo 3: Perform Cash Operations Customizing



Step	Action
(79)	Double-click on Define document types .

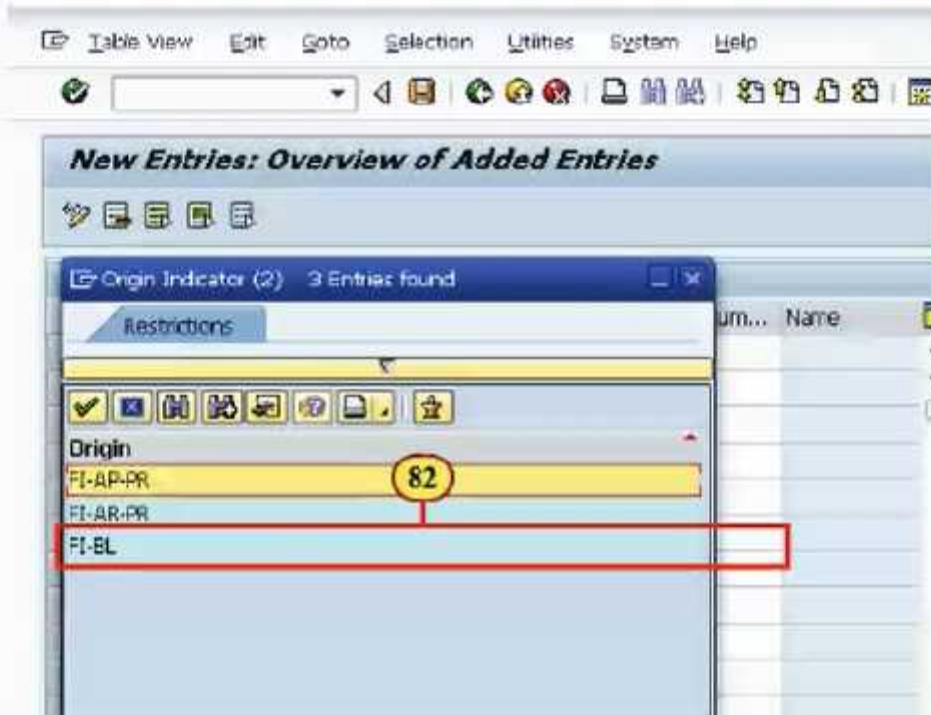


Step	Action
(80)	Click New Entries . You can also press F5 .

Demo 3: Perform Cash Operations Customizing



Step	Action
(81)	Click Input Help Origin  to open a drop-down list with valid values.

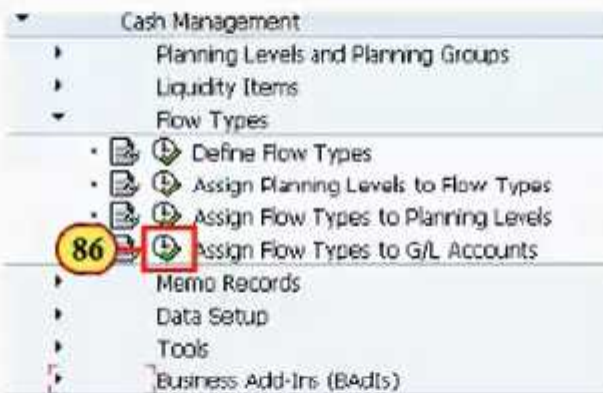


Step	Action
(82)	Double-click on FI-BL .

Demo 3: Perform Cash Operations Customizing

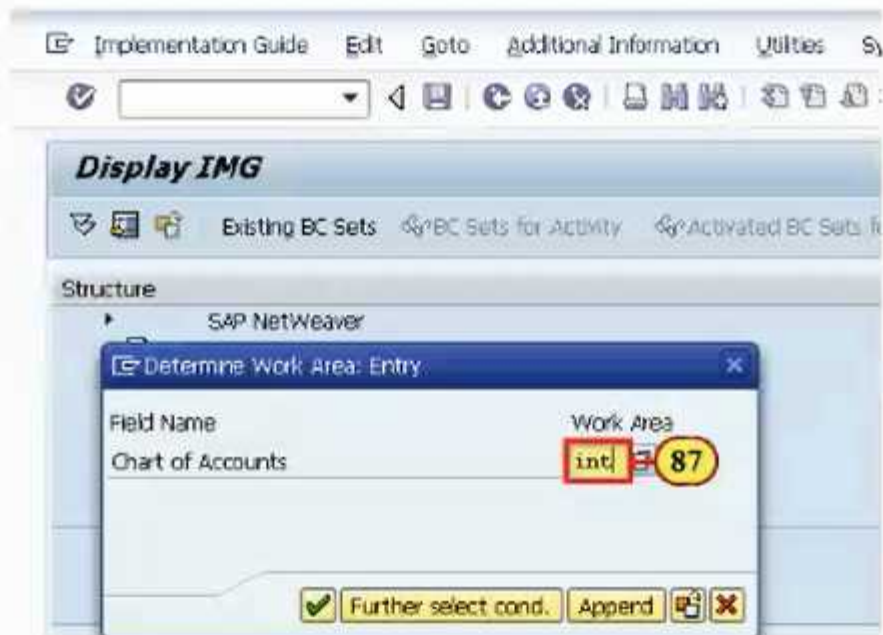


Step	Action
(83)	Enter ZP in the Document Type box.
(84)	Click Save . You can also press Ctrl+S .
(85)	Click Back to return to the previous page. You can also press F3 .



Step	Action
(86)	Click on Assign Flow types to G/L Accounts .

Demo 3: Perform Cash Operations Customizing

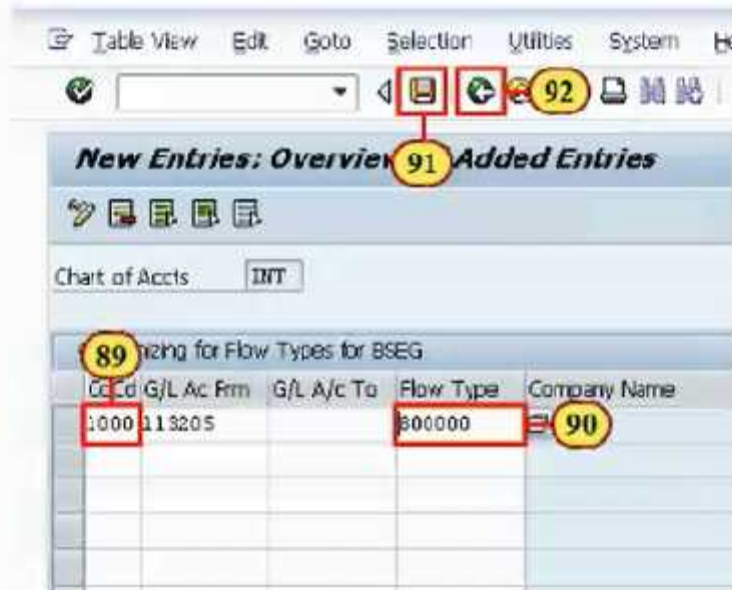


Step	Action
(87)	Enter int in the Chart of Accounts box. Confirm your entry by pressing the Enter key.



Step	Action
(88)	Click New Entries . You can also press F5 .

Demo 3: Perform Cash Operations Customizing



Step	Action
(89)	Enter 1000 in the GoCd box.
(90)	Enter 800000 in the Flow Type box. Confirm your entry by pressing the Enter key.
(91)	Click Save . You can also press Ctrl+S .
(92)	Click Back to return to the previous page. You can also press F3 .

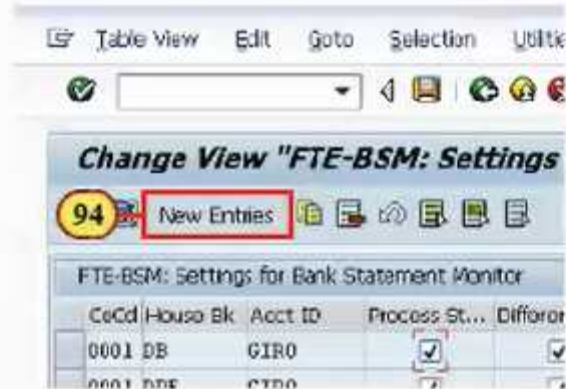


Perform Bank Statement Monitor Customizing



Demo 3: Perform Cash Operations Customizing

Step	Action
(93)	Double-click on Settings for Bank Statement Monitor .



Step	Action
(94)	Double-click on New Entries . You can also press F5 .

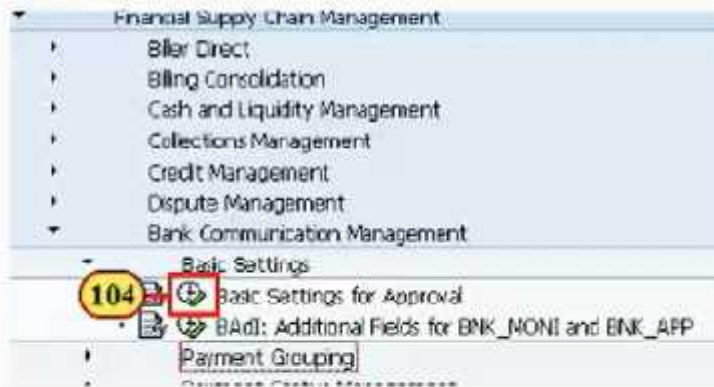


Demo 3: Perform Cash Operations Customizing

Step	Action
(95)	Enter 1000 in the Company Code box.
(96)	Enter 2400 in the House Bank box.
(97)	Enter 2400 in the Account ID box.
(98)	Select the Process Status check box.
(99)	Enter 01 in the Interval box.
(100)	Select the entry Calendar Days <small>Calendar Days</small> by clicking it.
(101)	Enter 01 in the Fac Calendar ID box.
(102)	Click Save . You can also press Ctrl+S .
(103)	Click Back to return to the previous page. You can also press F3 .



Perform customizing for Bank Payment Approvals



Step	Action
(104)	Click on Basic Settings for Approval .

Demo 3: Perform Cash Operations Customizing

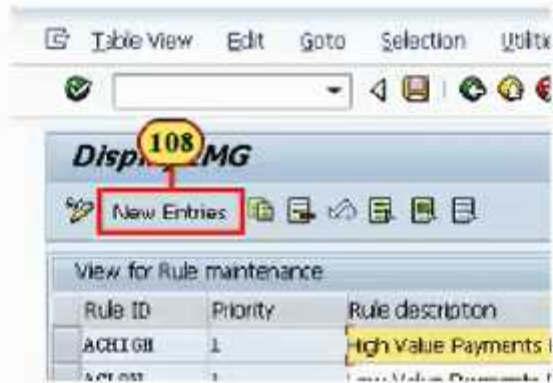


Step	Action
(105)	Click Back to return to the previous page. You can also press F3 .



Step	Action
(106)	Click on Rule Maintenance .

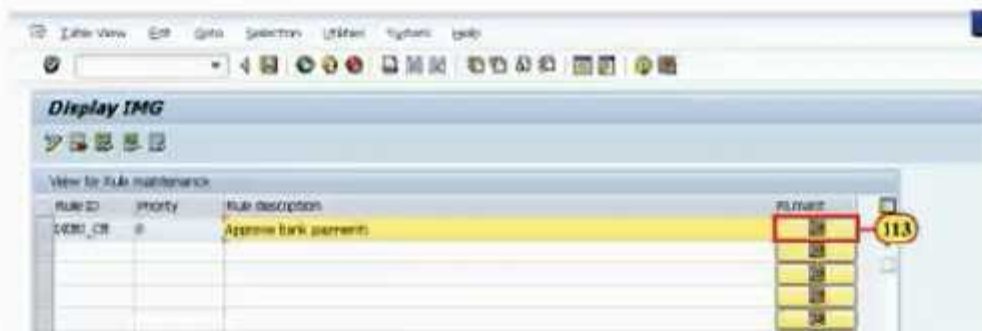
Demo 3: Perform Cash Operations Customizing



Step	Action
(108)	Click New Entries . You can also press F5 .

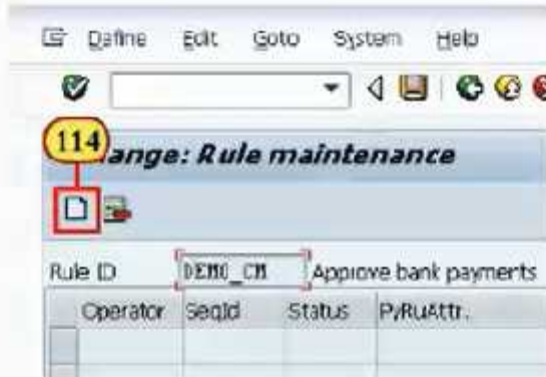


Step	Action
(109)	Enter DEMO_CM in the Rule ID box.
(110)	Enter 0 in the Priority box.
(111)	Enter Approve bank payments in the Rule description box.
(112)	Click Save . You can also press Ctrl+S .

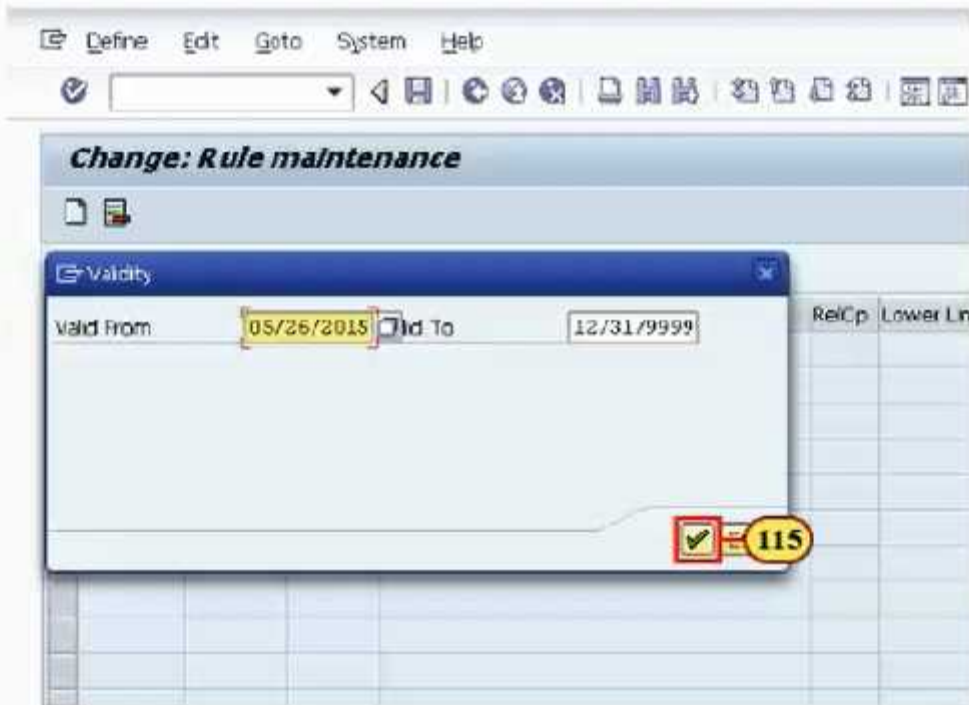


Demo 3: Perform Cash Operations Customizing

Step	Action
(113)	Click RI.maint  .

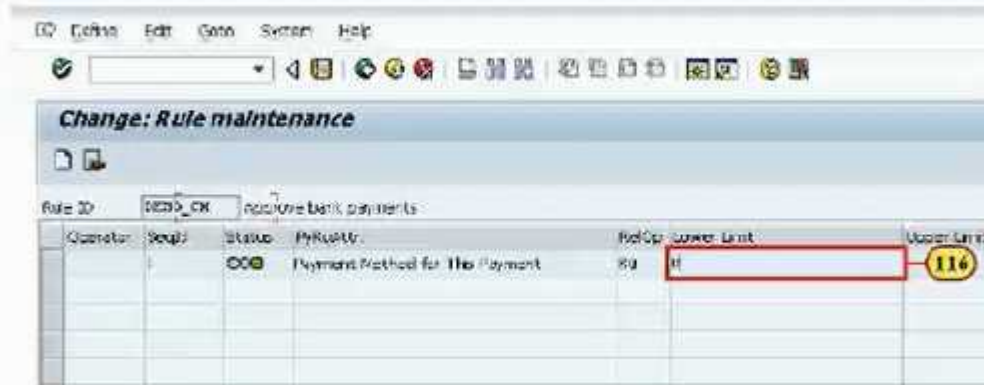


Step	Action
(114)	Click New Entry . You can also press F9 .

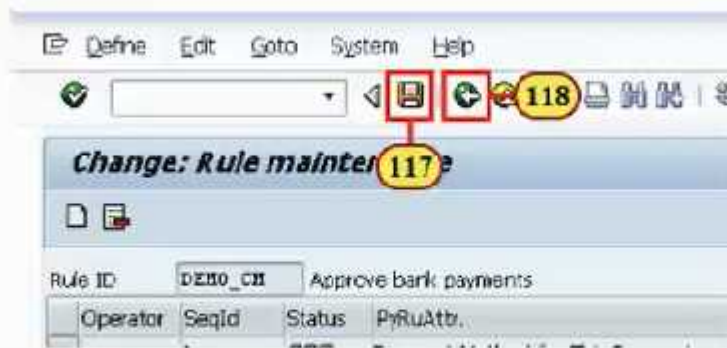


Step	Action
(115)	Click Enter  .

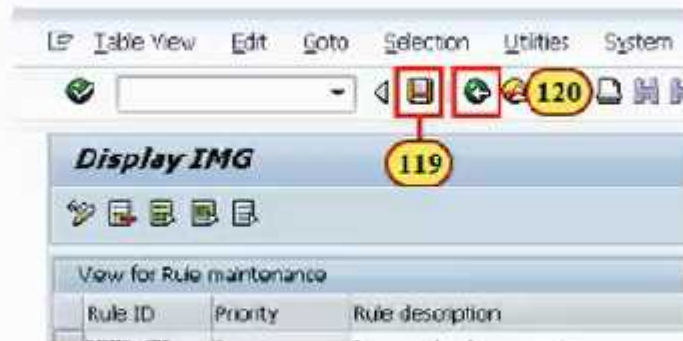
Demo 3: Perform Cash Operations Customizing



Step	Action
(116)	Enter U in the Lower Limit box.



Step	Action
(117)	Click Save . You can also press Ctrl+S .
(118)	Click Back to return to the previous page. You can also press F3 .



Step	Action
------	--------

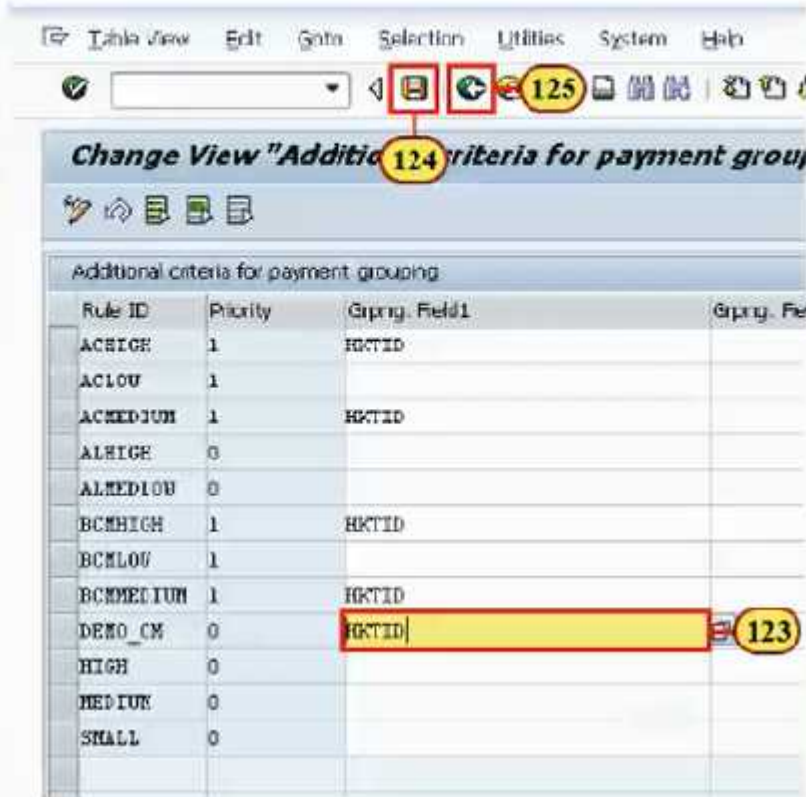
Demo 3: Perform Cash Operations Customizing

Step	Action
(119)	Click Save . You can also press Ctrl+S .
(120)	Click Back to return to the previous page. You can also press F3 .



Step	Action
(121)	Click on Additional Criteria for Payment grouping .

Demo 3: Perform Cash Operations Customizing



Step	Action
(123)	Enter HKTID in the Row DEMO_CM: Grpng. Field1 box.
(124)	Click Save . You can also press Ctrl+S .
(125)	Click Back to return to the previous page. You can also press F3 .

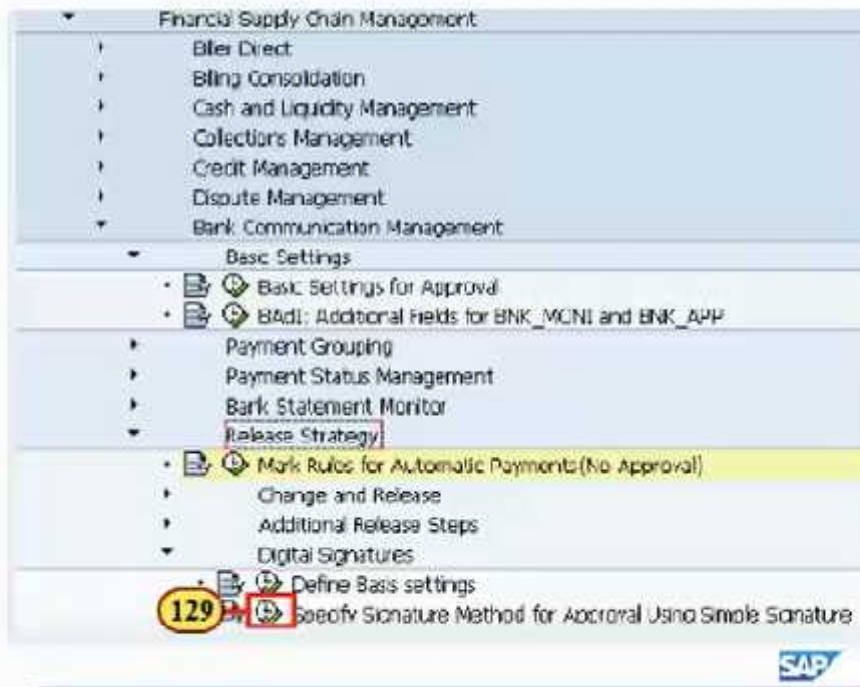


Step	Action
(126)	Click Mark Rules for Automatic Payments (No Approval) .

Demo 3: Perform Cash Operations Customizing

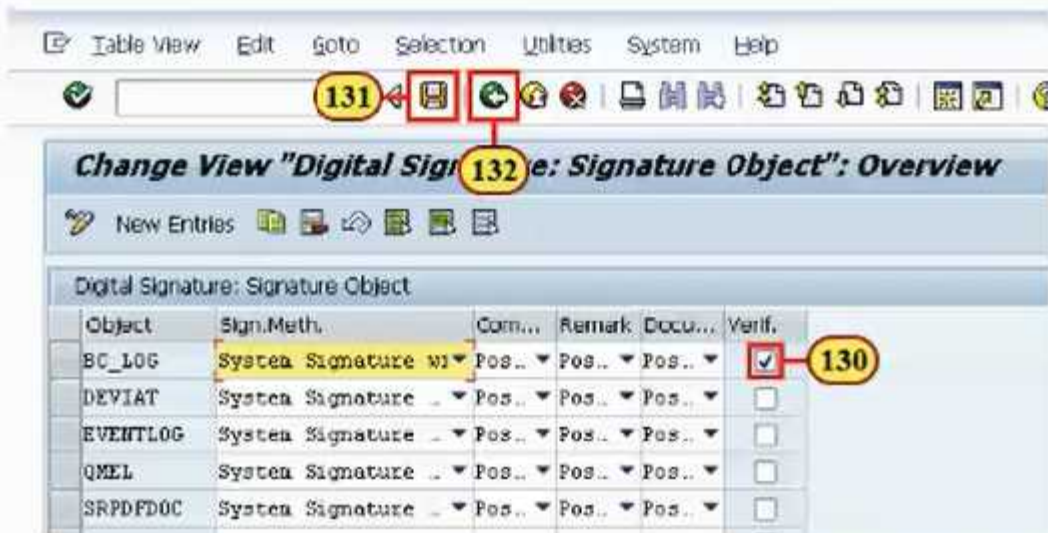


Step	Action
(128)	Click Back to return to the previous page. You can also press F3 .



Step	Action
(129)	Click on Specify Signature Method for Approval Using Simple Signature .

Demo 3: Perform Cash Operations Customizing



Step	Action
(130)	Select the Line 1- Verif. check box.
(131)	Click Save . You can also press Ctrl+S .
(132)	Click Back to return to the previous page. You can also press F3 .



Step	Action
(133)	Double-click on Enable Signatory Control .

Demo 3: Perform Cash Operations Customizing

Change View "Process BT 135 Customer Enhancements": Overview

Process	Ctr	Appl.	Function Module	Product
00002310			FI_OPT_ARCHIVE_CORRESPONDENCE	OPTARCH
OBANK002			FCLN_BAN_BCM_AGT_PRESEL	BAN
OBANK004			FCLN_BAN_BCM_REL_PROC_CTRL	BAN

Check the Function Module for lines 2 and 3.

Step	Action
(134)	Click Save . You can also press Ctrl+S .
(135)	Click Back to return to the previous page. You can also press F3 .

- ▼ Cash and Liquidity Management
 - ▶ General Settings
 - ▼ Bank Account Management
 - ▼ Basic Settings
 - Define Number Ranges for Bank Account Technical IDs
 - Define Number Ranges for Workflow Change Requests
 - 136 Define Settings for Bank Account Master Data
 - Maintain the Event Type Linkage for Triggering Workflow Processes
 - Define Responsibilities for Rules Used in Workflow Steps
 - Enable Signatory Control
 - ▶ Business Add-Ins (BADIs)

Step	Action
(136)	Click on Define Settings for Bank Account Master Data .

Demo 3: Perform Cash Operations Customizing

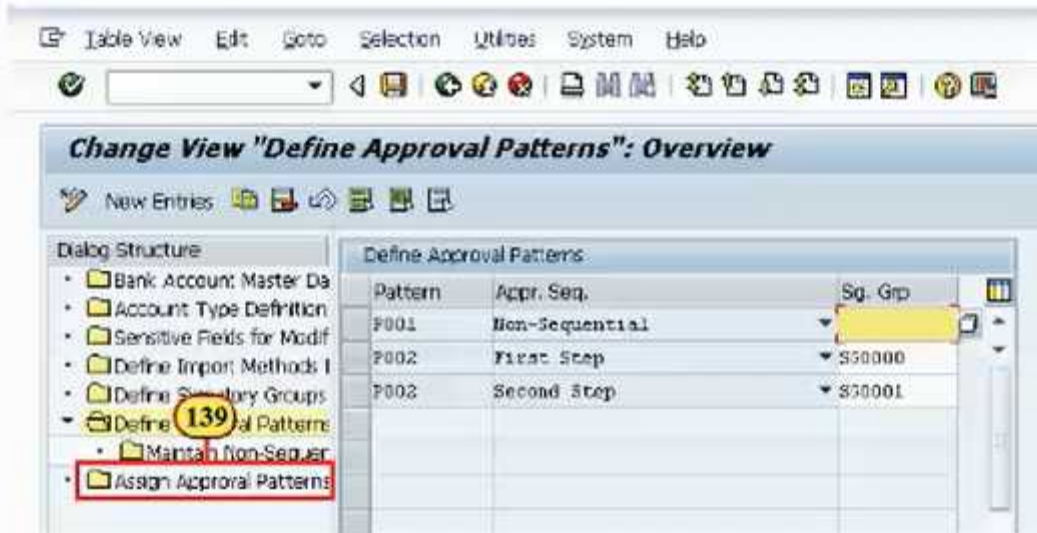


Step	Action
(137)	Double-click on Define Signatory Groups .

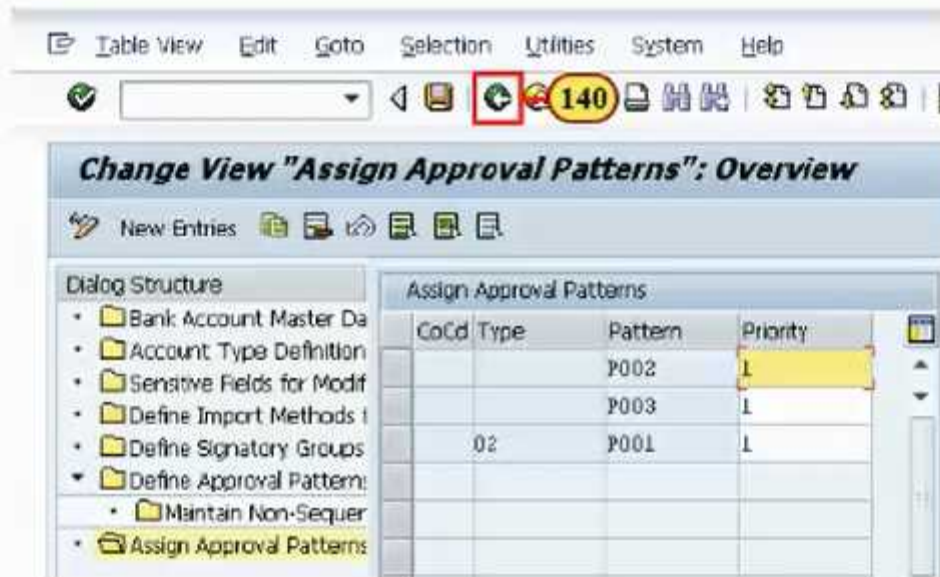


Step	Action
(138)	Double-click on Define Approval Patterns .

Demo 3: Perform Cash Operations Customizing

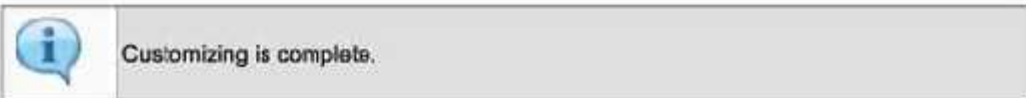


Step	Action
(139)	Double-click on Assign Approval Patterns .

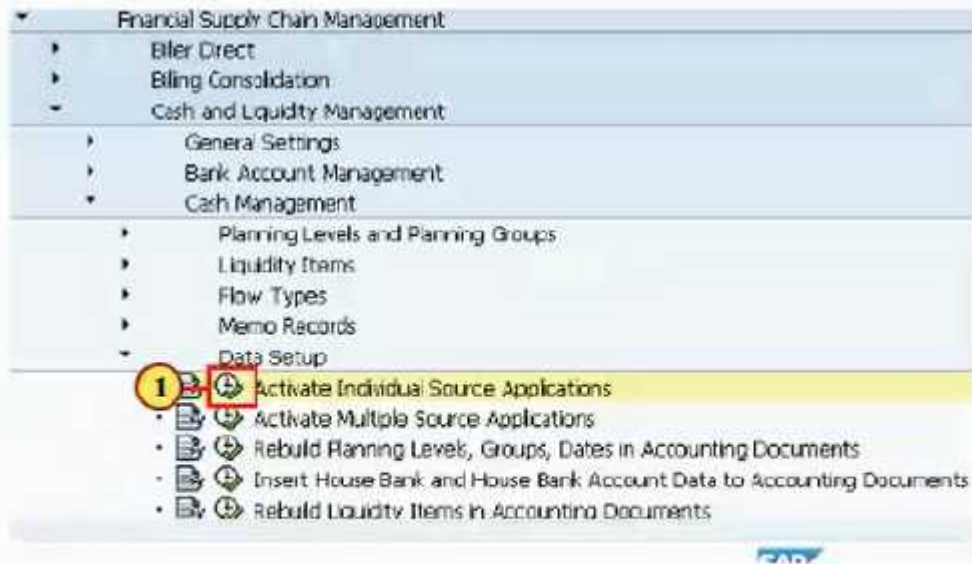


Step	Action
(140)	Click Back to return to the previous page. You can also press F3 .

Demo 3: Perform Cash Operations Customizing



DEMO 4: RUN DATA SETUP PROGRAMS TO INITIALIZE EXPOSURE HUB



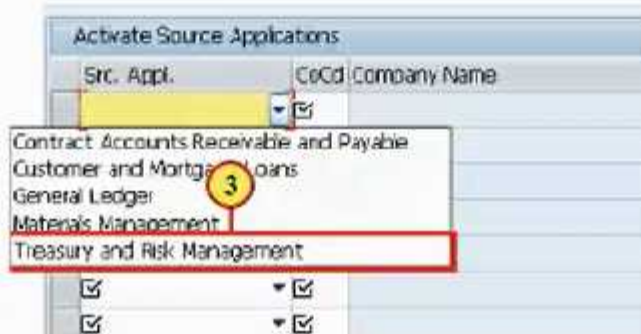
Activate Individual Source Applications

Step	Action
(1)	Click Activate Individual Source Applications .

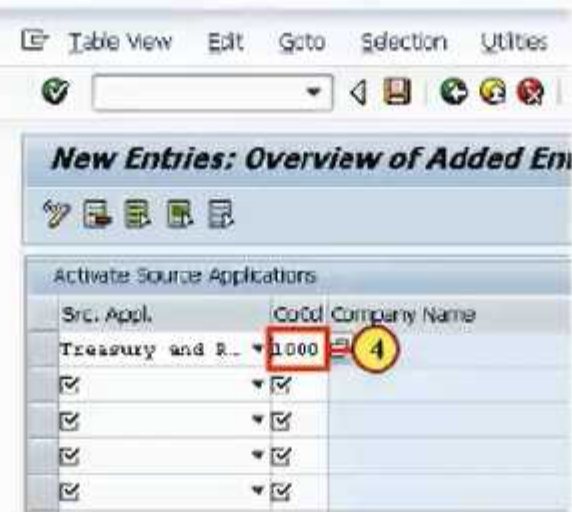
Demo 4: Run Data Solup programs to initialize Exposuro Hub



Step	Action
(2)	Click New Entries . You can also press F5 .

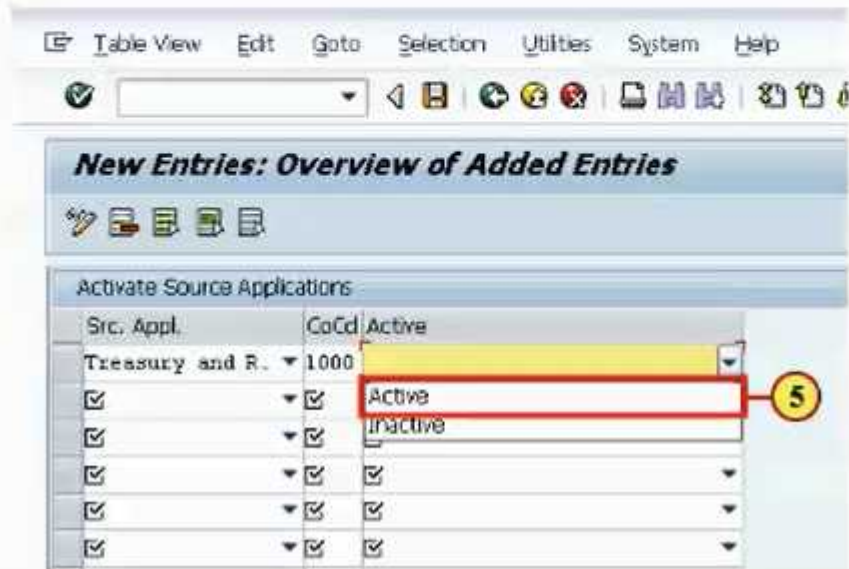


Step	Action
(3)	Select the entry Treasury and Risk Management by clicking it.

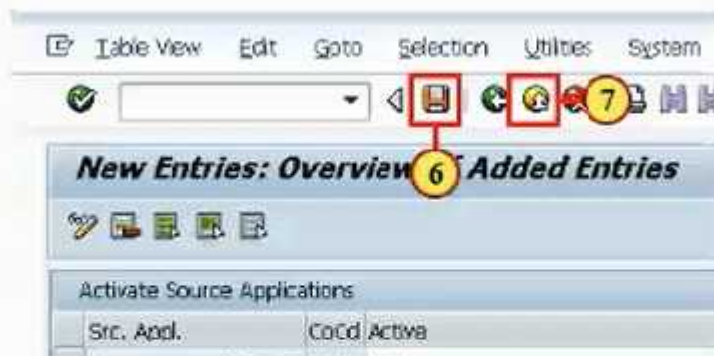


Demo 4: Run Data Setup programs to initialize Exposure Hub

Step	Action
(4)	Enter 1000 in the CoCd box.



Step	Action
(5)	Select the entry Active by clicking it.



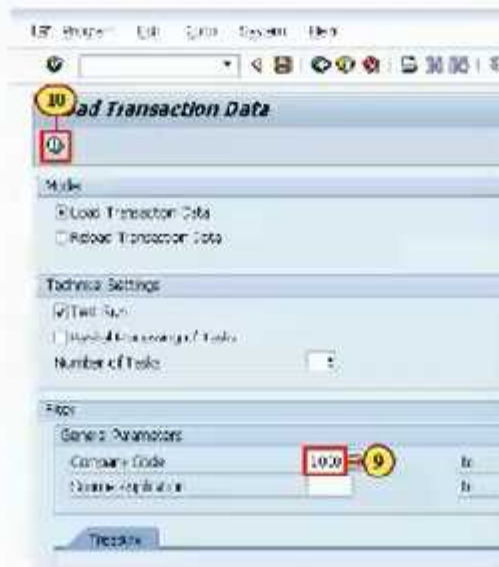
Step	Action
(6)	Click Save . You can also press Ctrl+S .
(7)	Click Exit .

Demo 4: Run Data Setup programs to initialize Exposure Hub



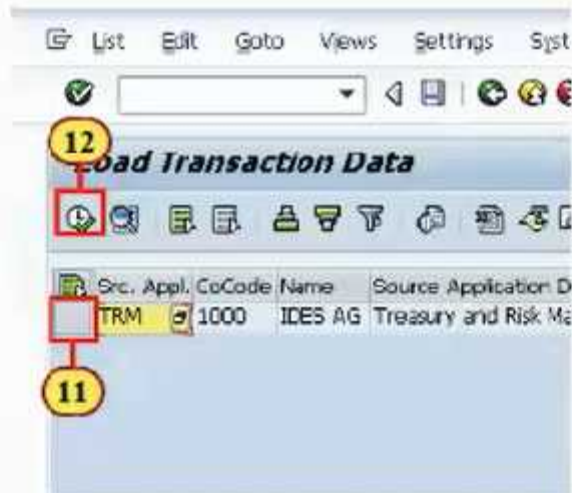
Load Transaction Data from Source Application into Exposure Hub

Step	Action
(8)	Enter FQM_INITIALIZE in the Transaction box. Confirm your entry by pressing the Enter key.

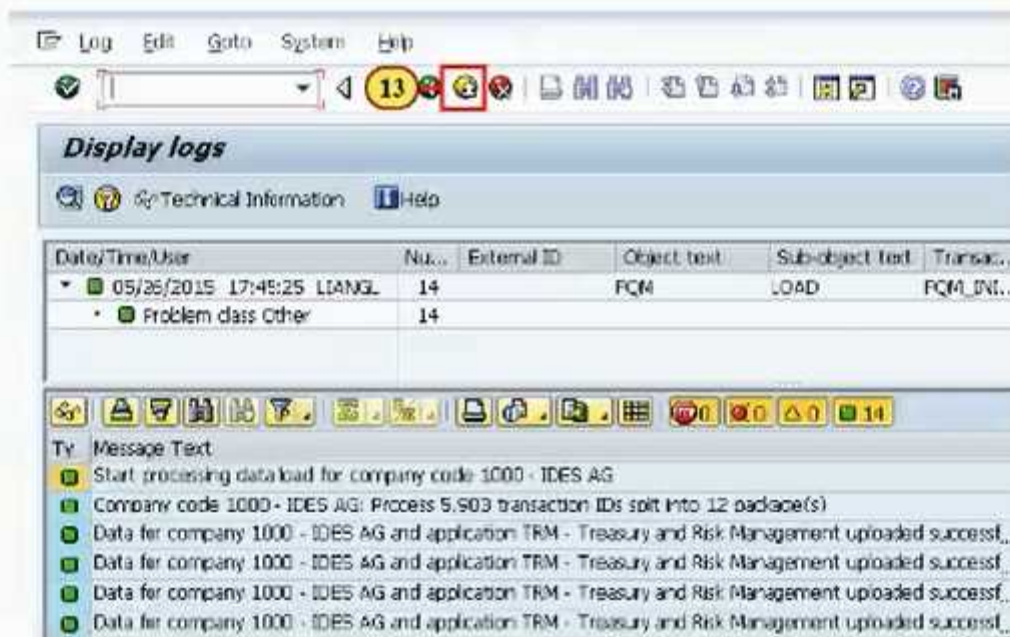


Step	Action
(9)	Enter 1000 in the Company Code box.
(10)	Click Execute . You can also press F8.

Demo 4: Run Data Setup programs to initialize Exposure Hub



Step	Action
(11)	Click Line1 Select .
(12)	Click Execute .



Step	Action
(13)	Click Exit .

DEMO 5: CUSTOMIZE LIQUIDITY PLANS



Maintain Planning Unit Settings

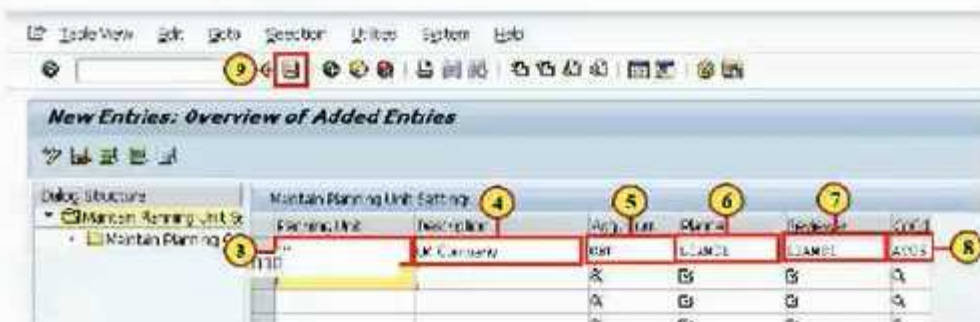


Step	Action
(1)	Click Maintain Planning Unit Settings .

Demo 5: Customize Liquidity Plans

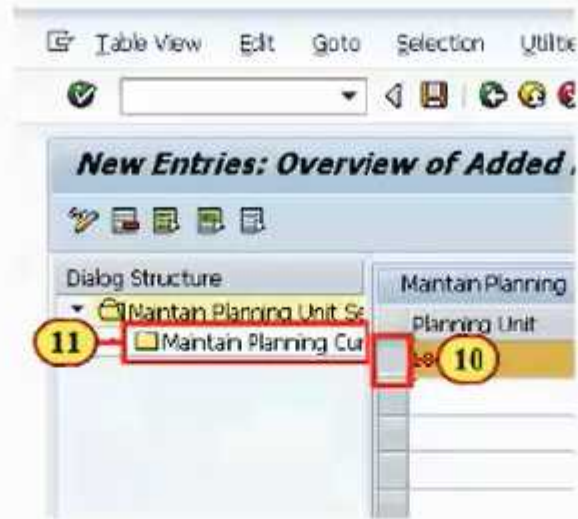


Step	Action
(2)	Click New Entries . You can also press F5 .

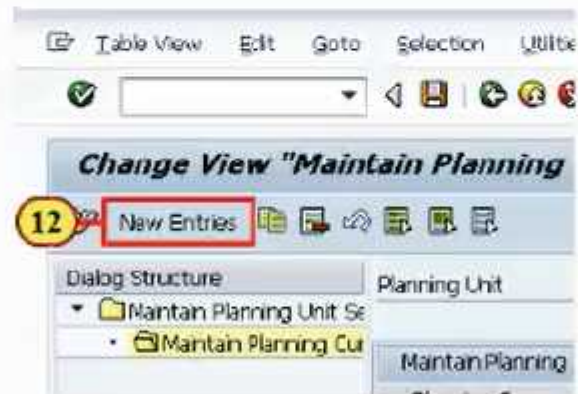


Step	Action
(3)	Enter 10 in the Planning Unit box.
(4)	Enter Company 00 in the Description box.
(5)	Enter GBP in the Agg. Curr. box.
(6)	Enter AC105-00 in the Planner box.
(7)	Enter AC105-00 in the Reviewer box.
(8)	Enter 1000 in the CoCd box.
(9)	Click Save . You can also press Ctrl+S .

Demo 5: Customize Liquidity Plans

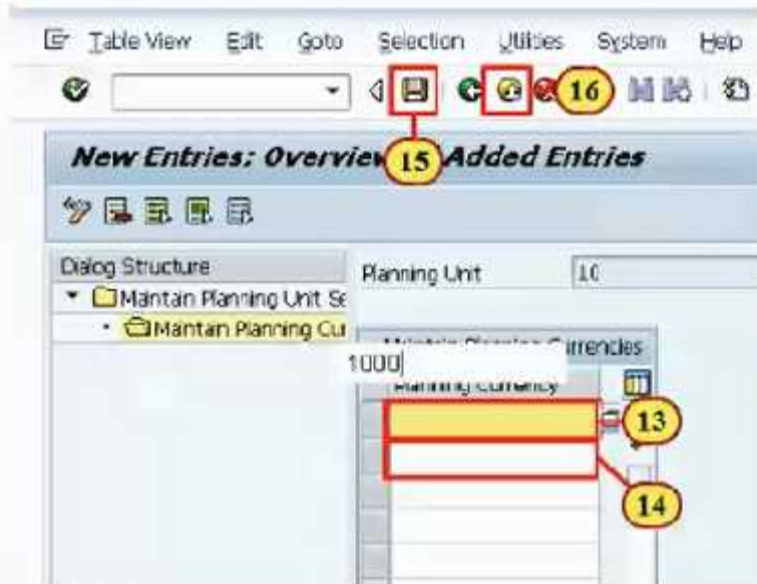


Step	Action
(10)	Click line you created.
(11)	Double-click on Maintain Planning Currencies .



Step	Action
(12)	Click New Entries . You can also press F5 .

Demo 5: Customize Liquidity Plans



Step	Action
(13)	Enter GBP in the Planning Currency - Line 1 box.
(14)	Enter EUR in the Planning Currency - Line 2 box.
(15)	Click Save . You can also press Ctrl+S .
(16)	Click Exit .



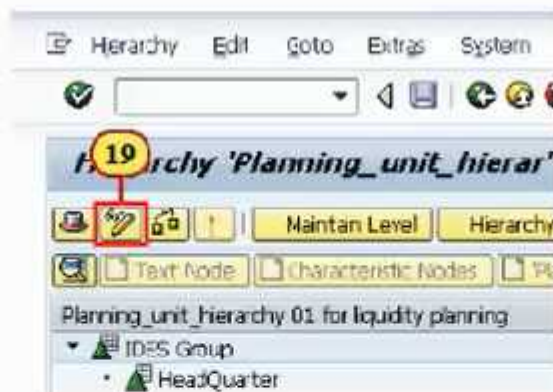
Maintain Planning Unit Hierarchy

Step	Action
(17)	Enter /nrsh1 in the Transaction box. Confirm your entry by pressing the Enter key.

Demo 5: Customize Liquidity Plans

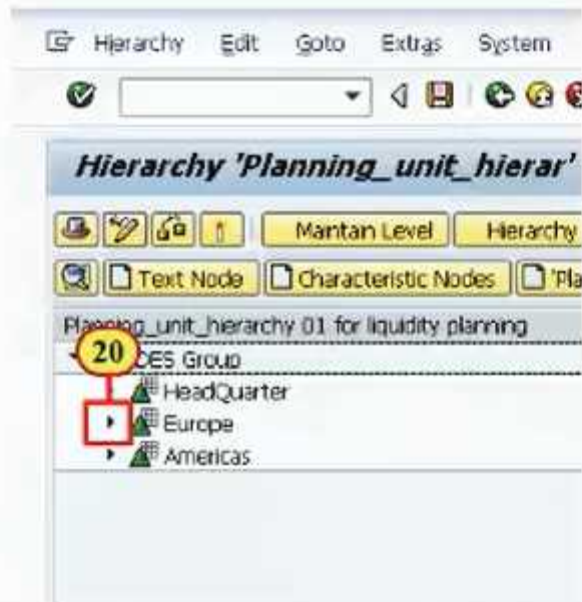


Step	Action
(18)	Click on Line 1 - Planning_Unit_Hierarchy01.



Step	Action
(19)	Click Change  .

Demo 5: Customize Liquidity Plans

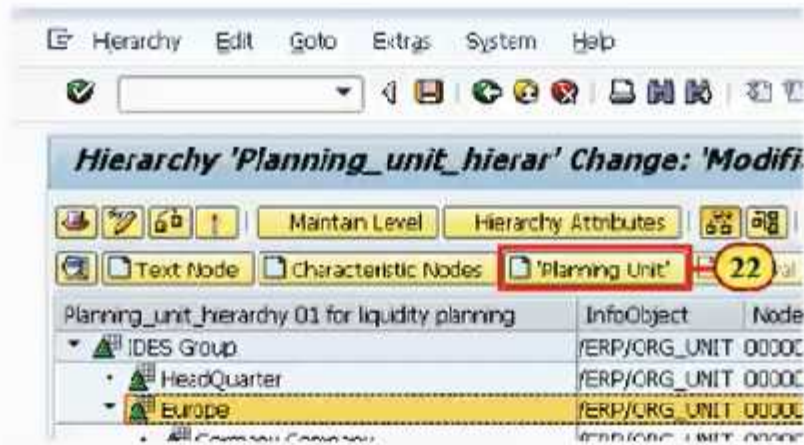


Step	Action
(20)	Open the folder Europe by clicking the Open folder icon.



Step	Action
(21)	Click the folder Europe .

Demo 5: Customize Liquidity Plans



Step	Action
(22)	Click Create Planning Unit .



Step	Action
(23)	Click Your planning Unit .
(24)	Click Copy . You can also press Enter .

Demo 5: Customize Liquidity Plans



Step	Action
(25)	Click Save . You can also press Ctrl+S .
(26)	Click Exit .

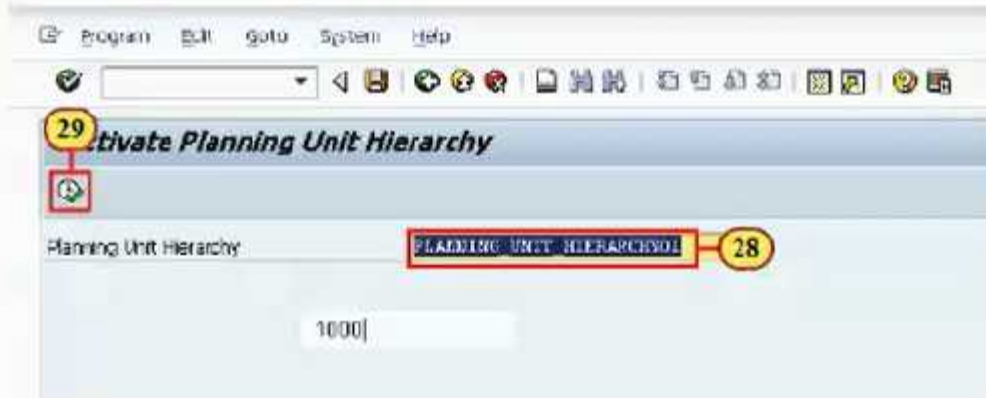



Activate Planning Unit Hierarchy

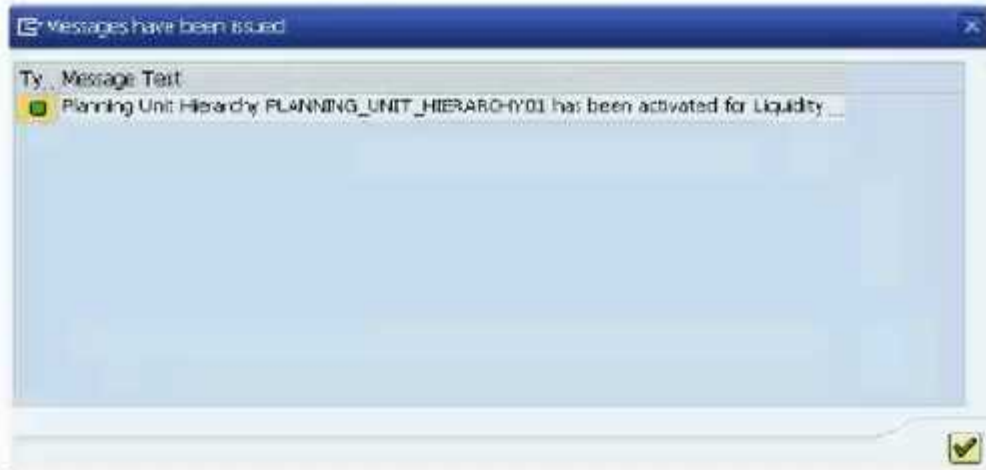
Step	Action
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Demo 5: Customize Liquidity Plans

Step	Action
(27)	Click Activate Planning Unit Hierarchy .



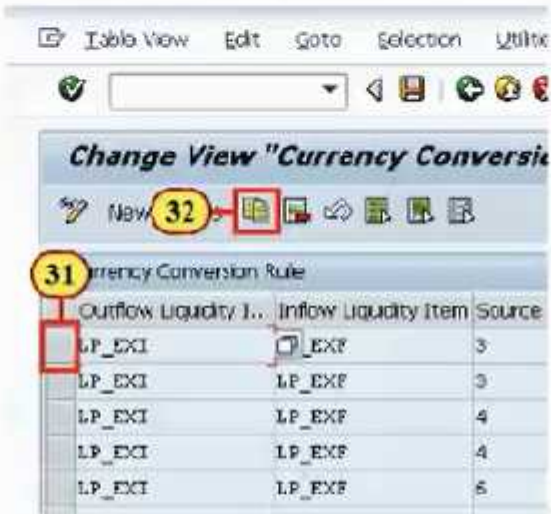
Step	Action
(28)	Enter Planning_Unit_Hierarchy01 in the Planning Unit Hierarchy box.
(29)	Click Execute . You can also press F8 .



Demo 5: Customize Liquidity Plans

Define Currency Conversion Rules

Step	Action
(30)	Click Define Currency Conversion Rules .

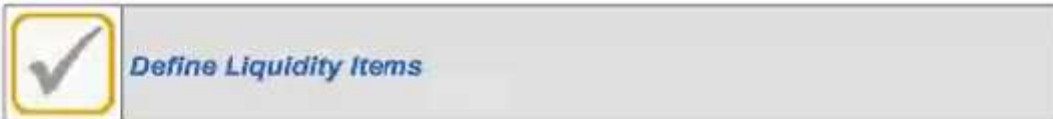


Step	Action
(31)	Click Line 1 Line selection .
(32)	Click Copy As... You can also press F6 .

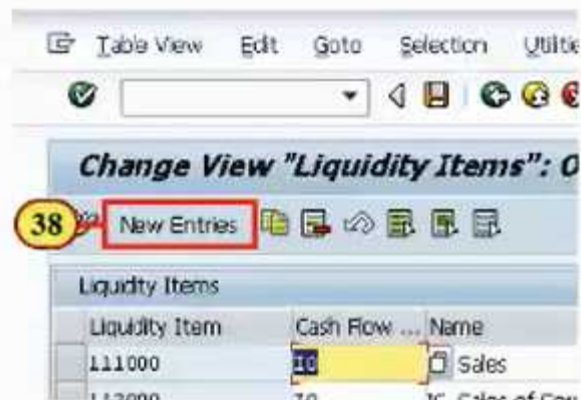


Demo 5: Customize Liquidity Plans

Step	Action
(33)	Enter 1## in the Source Planning Unit box.
(34)	Enter GBP in the Src. Curr. box. Confirm your entry by pressing the Enter key.
(35)	Click Save . You can also press Ctrl+S .
(36)	Click Exit .

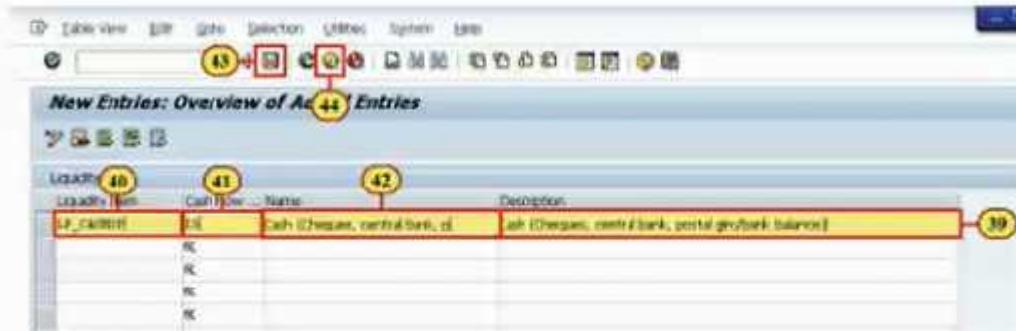


Step	Action
(37)	Click Edit Liquidity Items .

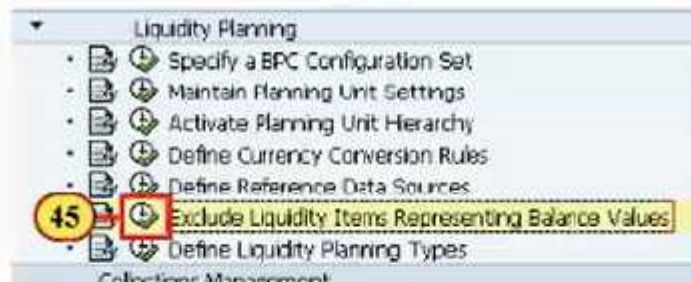


Step	Action
(38)	Click New Entries . You can also press F5 .

Demo 5: Customize Liquidity Plans



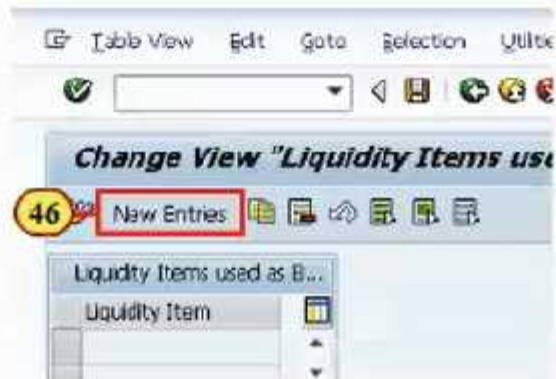
Step	Action
(39)	Enter Cash (Cheques, central bank, postal giro/bank balance) in the Description box.
(40)	Enter LP_CASHOP in the Liquidity Item box.
(41)	Enter IO in the Cash Flow Direction box.
(42)	Enter Cash (Cheques, central bank, p in the Name box.
(43)	Click Save . You can also press Ctrl+S .
(44)	Click Exit .



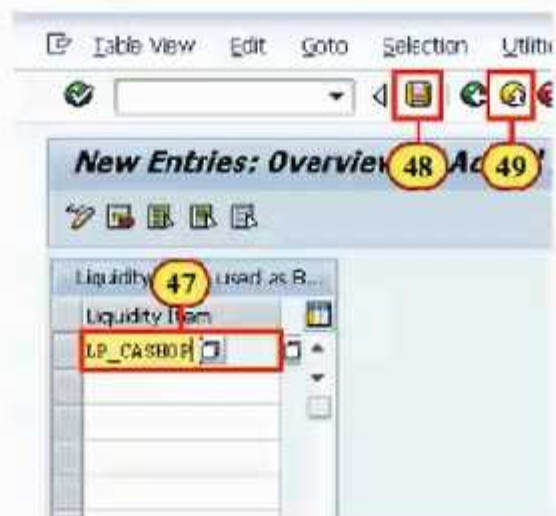
Define Liquidity Items Used as Balance

Step	Action
(45)	Click Exclude Liquidity Items Representing Balance Values .

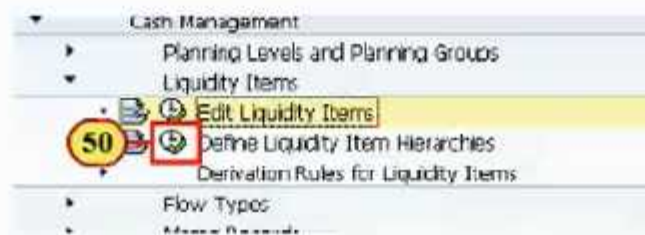
Demo 5: Customize Liquidity Plans



Step	Action
(46)	Click New Entries . You can also press F5 .



Step	Action
(47)	Enter LP_CASHOP in the Liquidity Item box.
(48)	Click Save . You can also press Ctrl+S .
(49)	Click Exit .

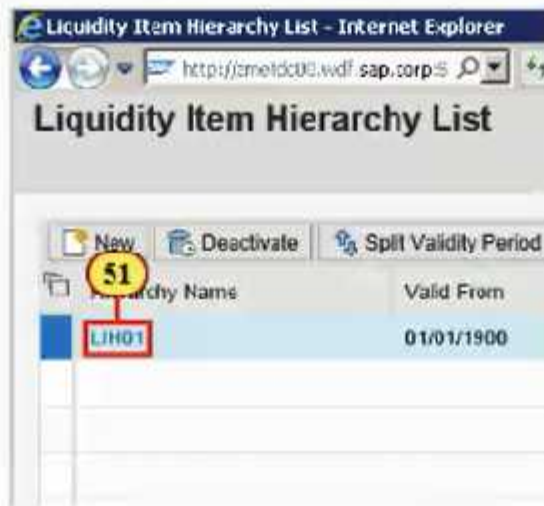


Demo 5: Customize Liquidity Plans



Maintain Liquidity Item Hierarchy

Step	Action
(50)	Click Define Liquidity Item Hierarchies .

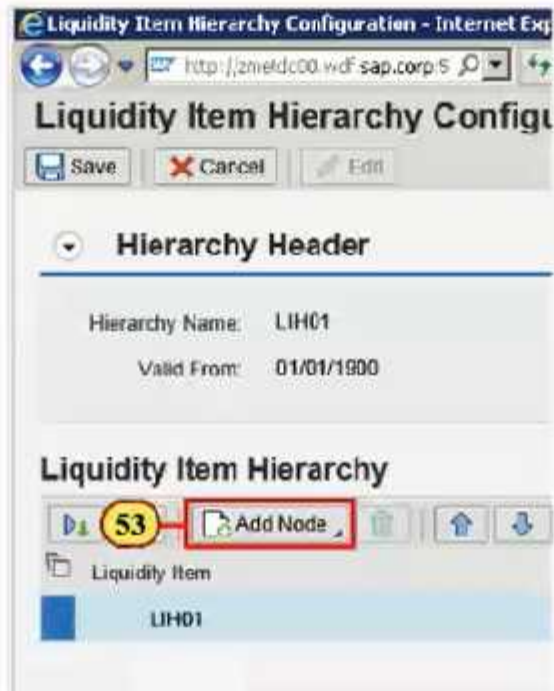


Step	Action
(51)	Click LIH01 .

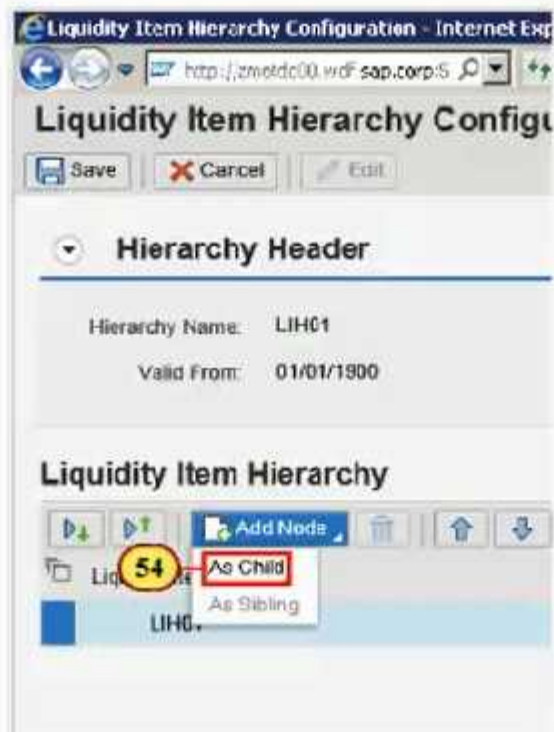


Step	Action
(52)	Click Edit .

Demo 5: Customize Liquidity Plans

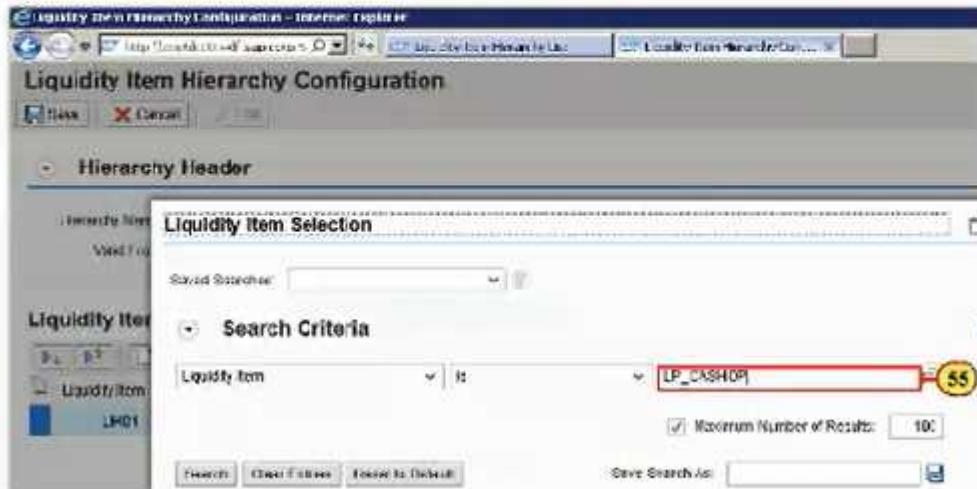


Step	Action
(53)	Click Add Node .

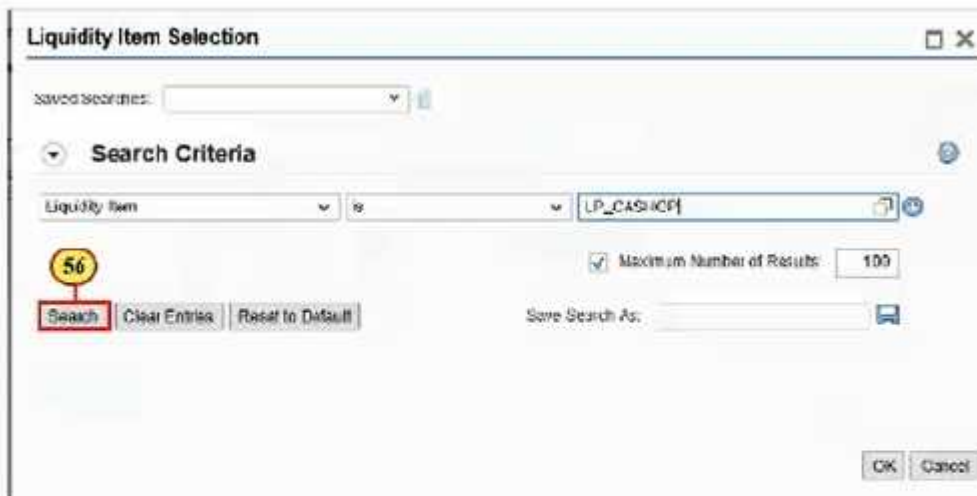


Demo 5: Customize Liquidity Plans

Step	Action
(54)	Select the entry As Child by clicking it.

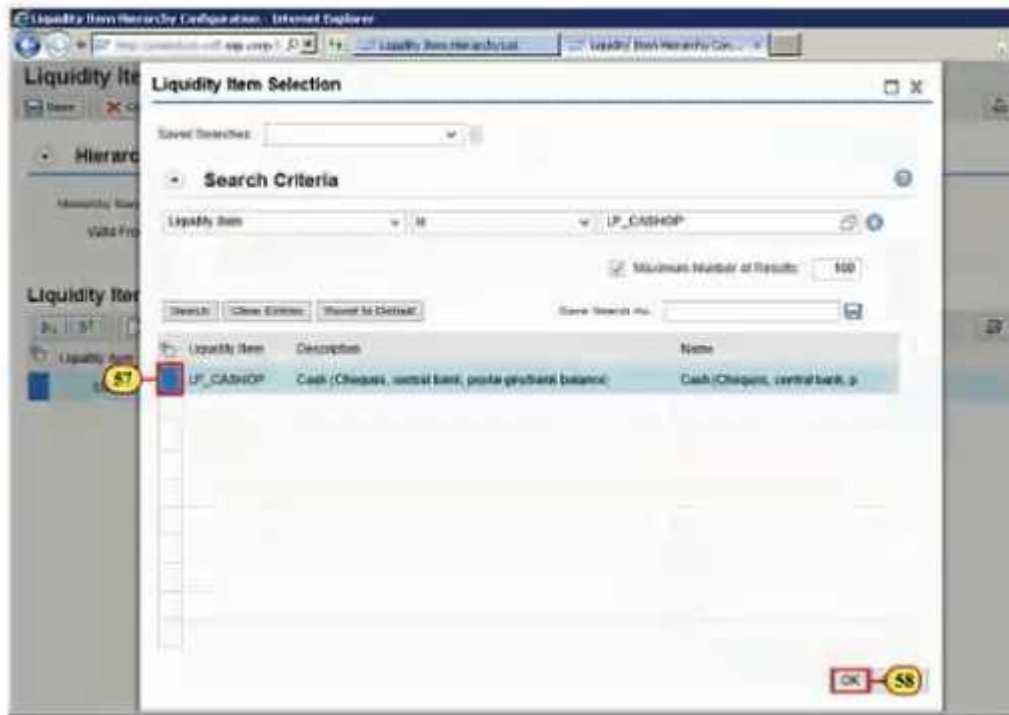


Step	Action
(55)	Enter LP_CASHOP in the Liquidity Item box.

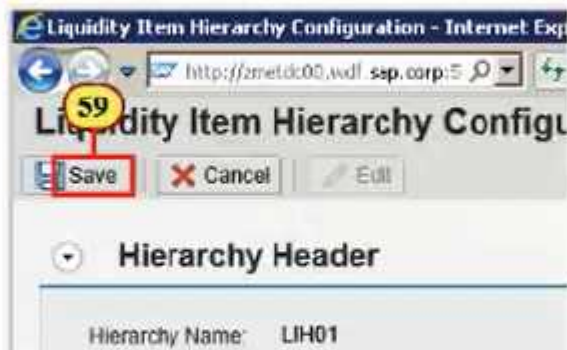


Step	Action
(56)	Click Search .

Demo 5: Customize Liquidity Plans



Step	Action
(57)	Click Select Line 1 .
(58)	Click OK .



Step	Action
(59)	Click Save .

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