



SEM and Budget Preparation

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Agenda: SAP's Higher Education Budgeting Solution

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Introduction: Budget Requirements

2

BW Structure and Content

3

SEM-BPS

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Position Budgeting

5

Conclusion



Budget Requirements

Budget Preparation

- Estimates by departments, budget directors
- Consolidation of dept. budgets
- Budget Review
- Budget Submission

Other Requirements

- Controlled access to budget data
- User-friendly interfaces (including web enabled)
- Planning and what-if scenarios
- Position Budget preparation

SAP SEM

Reporting and Postaudit

- Interim and year-end financial and statistical reporting
- Audits, reviews, proposals

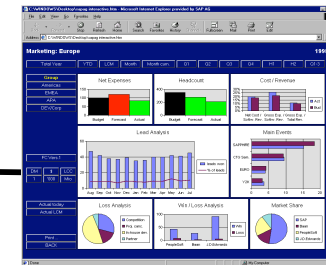
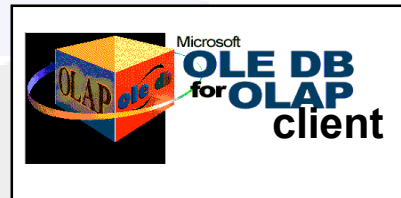
Budget Execution

- Administration of revenues, personnel, purchasing ...
- Accounting

SAP R/3

BW Technical Architecture

Business Explorer



Web Browser

http



Administrator Workbench

Metadata Repository

OLAP Processor

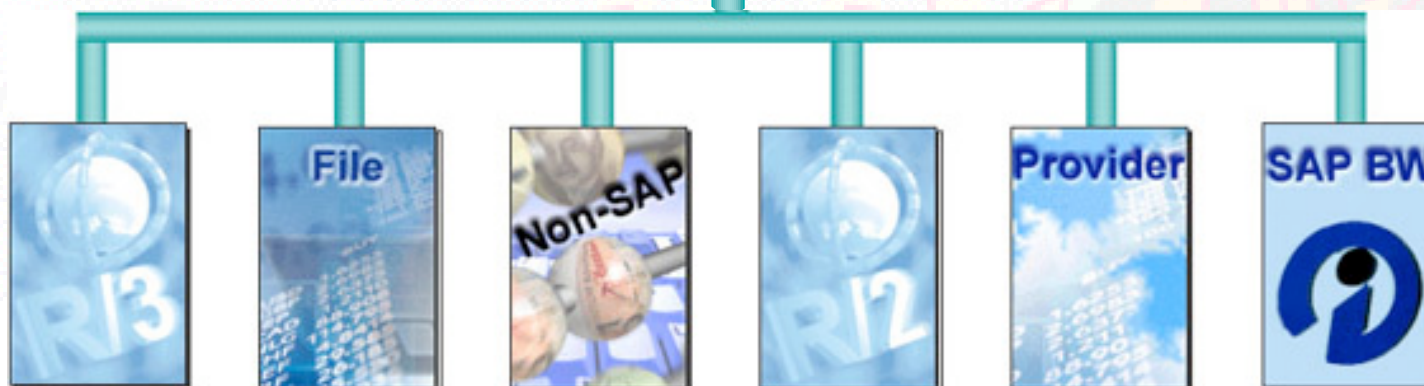
InfoCubes

Staging Engine

ODS

Business Information Warehouse Server

BAPI



EA-PS Related Extractors and Retractors

- **Extractors to pull data from R/3**

- FM Master Data: Fund, Funds Center, Functional Area, Commitment Item, etc.**

- HR Master Data: Organizational Unit, Position, etc.**

- CO Master Data: Cost Center, Order, Project**

- FM Transaction Data: FM Budget, Commitment, Actuals**

- Special Ledger Transaction Data: Actuals, etc.**
















- **Retractors to post data back to R/3**

- FM Budget**

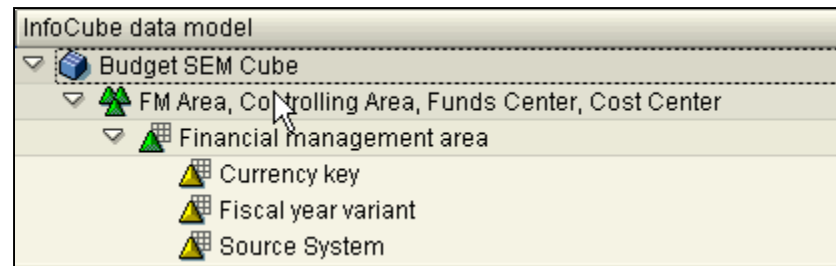
- PBC Budget**

- CO/PS Planning**

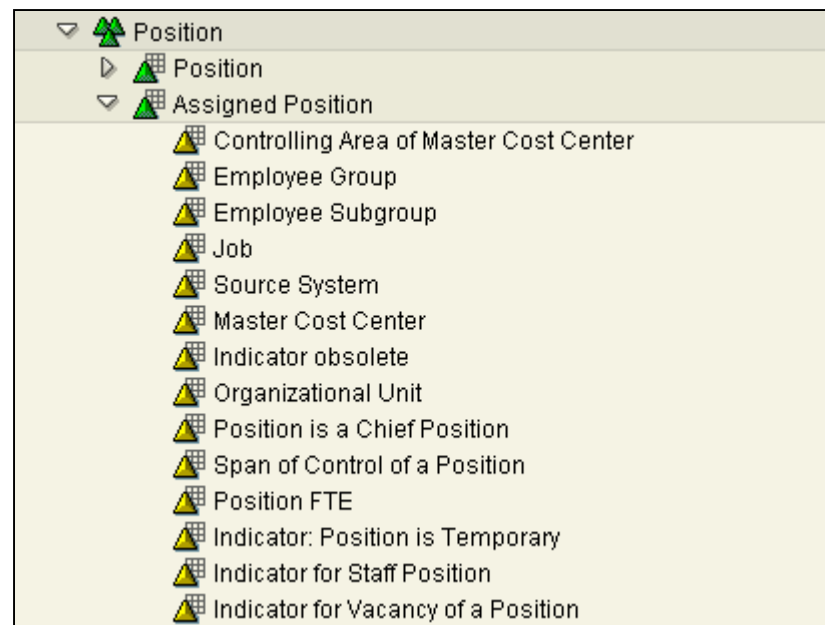
Predefined InfoCube Data Model

InfoCube data model	Techn.name
▼  Commitment Line Items for Position Budgeting and Control	OPSM_C40
▶  FM Area, Controlling Area, Funds Center, Cost Center	OPSM_C401
▶  Company Code, Chart of Accounts, G/L Account, Commitm. Item	OPSM_C402
▶  Funds, Earmarked Fund Category	OPSM_C403
▶  Functional Area, 'Completed' Indicator	OPSM_C404
▶  Grant, Archiving Indicator, Details	OPSM_C405
▶  Network, Work Breakdown Structure Element	OPSM_C406
▶  Order Number	OPSM_C407
▶  Employee	OPSM_C408
▶  Position	OPSM_C409
▶  Item Number	OPSM_C40A
▶  Time	OPSM_C40T
▶  Data Package	OPSM_C40P
▶  Unit	OPSM_C40U
▶  Key figures	1KYFNM

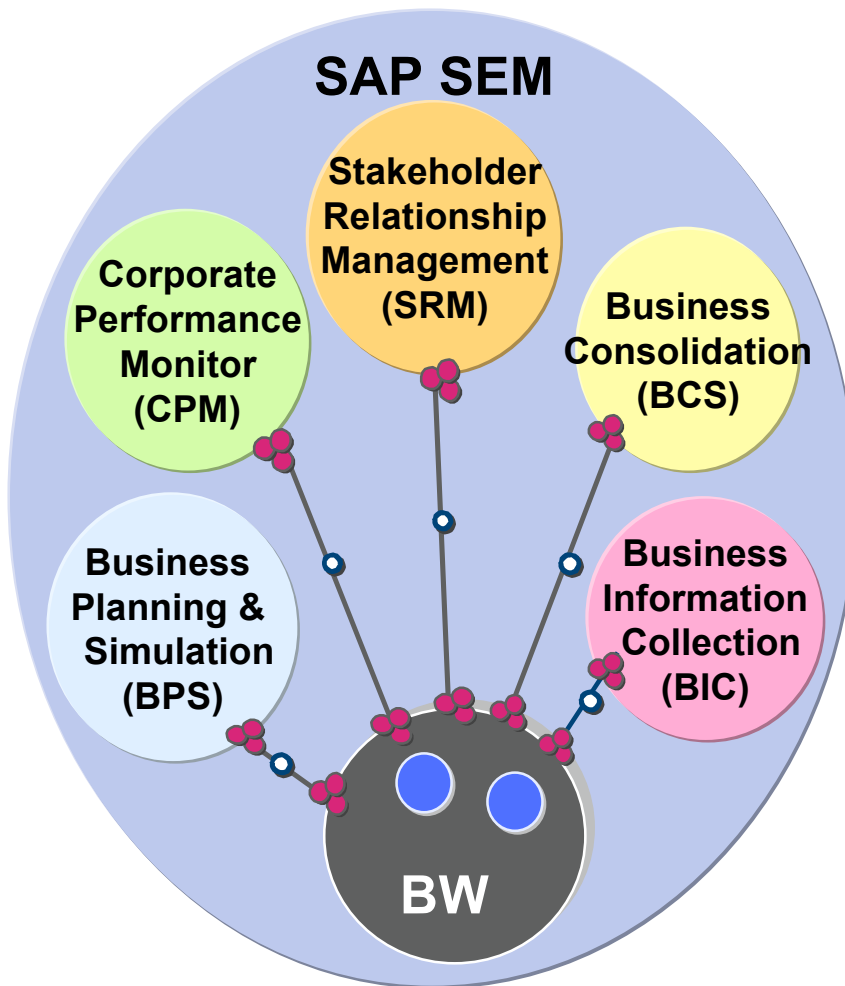
Predefined InfoCube Data Model- Add'l Details



InfoObjects

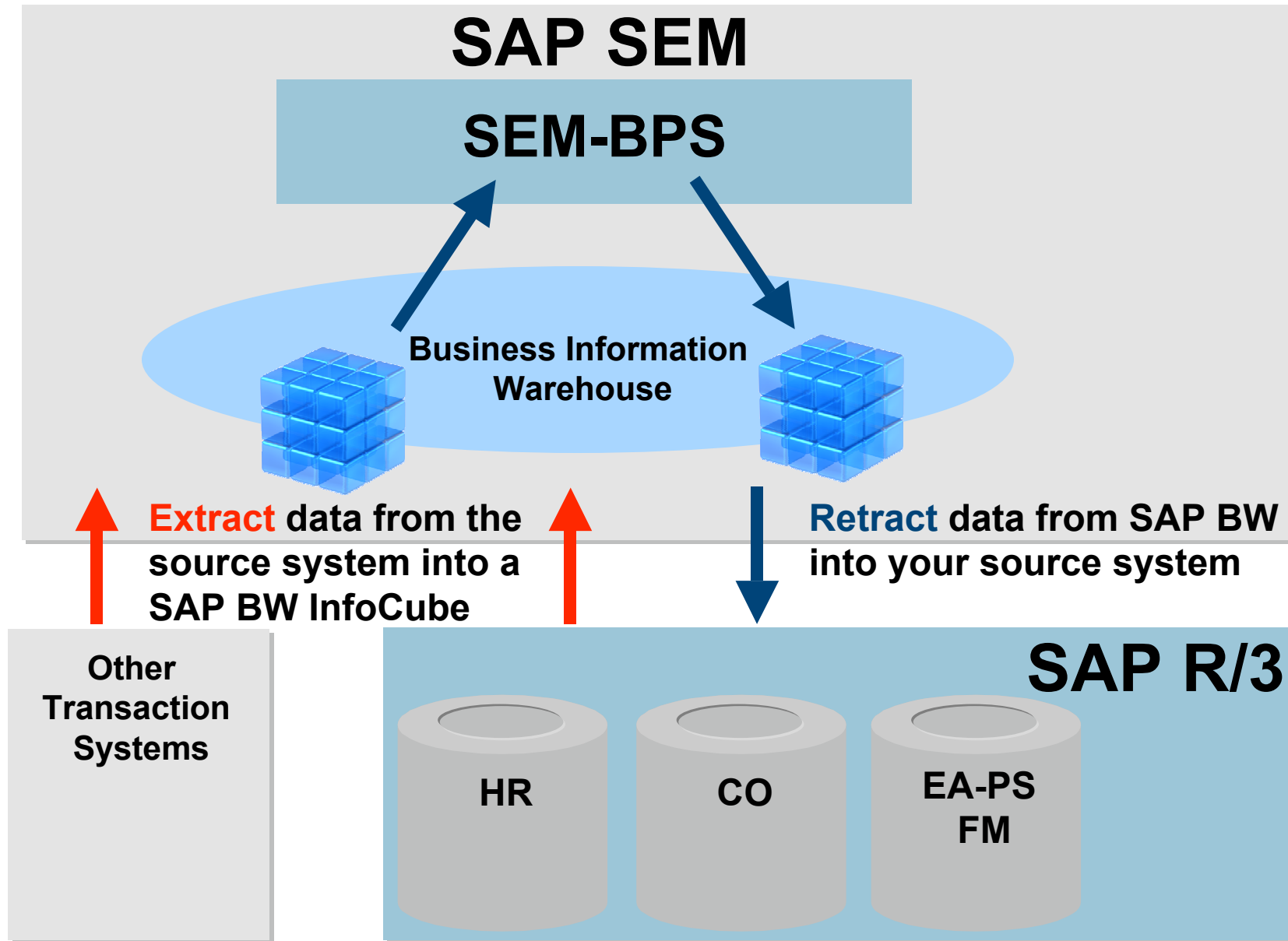


What Comprises SAP SEM?



- A suite of analytical applications comprise SEM
- Applications are robust and easy to customize
- Applications integrate with BW and thus SAP R/3
- BPS application can be easily customized for use in Higher Ed budget preparation

SEM-BPS Technical Structure



SEM-BPS Features



- Refers to BW InfoCubes for characteristics and key figures
- Includes comparative and other relevant data as needed
- Allows manual planning, calculated formulas and interfaces to Microsoft Excel
- User defined filter and selection variables
- Define planning levels, layouts and profiles
- Status Monitor

SEM-BPS Features – Sample Layout

Planning Edit Goto Utilities Tools System Help

Enter plan data

Close navigation Planning profile Global planning sequences Set Variables

Planning areas Technical n...

Budget SEM ZSEMFM

fund FUND

Ad hoc package 0-ADHOC

Planning functions Technical name

fund FUND

Manual planning 0-MP

layout1 LAYOUT1

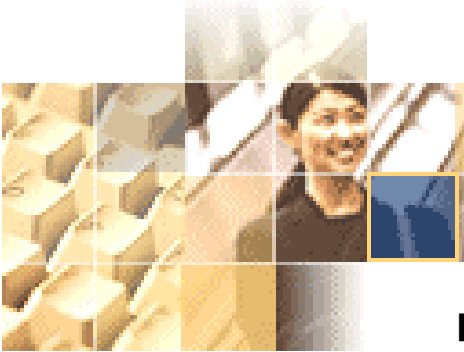
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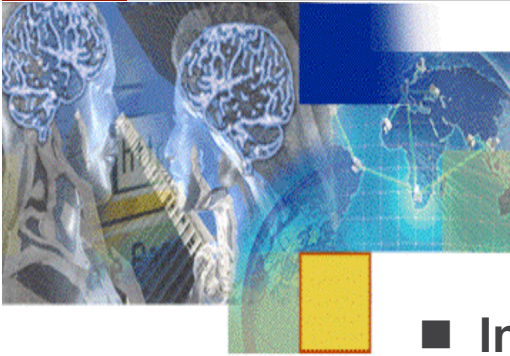
	A	B	C	D	E
1	Chart of accounts	AAAA	AAAA		
2	Currency	USD	American Dollar		
3	FM area	1000	1000		
4	Fiscal year variant	K4	Calendar year, 4 spec. periods		
5					
6	Fund	G/L Account	Jan	Feb	Mar
7					
8	PS01	400100	1,000	3,000	2,000
9					
10					
11					
12					
13					
14					
15					
16					

What is Position Budgeting and Control?



- **PBC is the abbreviation for the SAP Position Budgeting and Control module housed within the HR suite of applications**
- **Offers solution that integrates the Human Resource and Financial aspects of Personnel activities**
- **Allows the user to view a breakdown of the Funds Management totals by position**
- **Functions as a sub-ledger to Funds Management**
- **Allows the user to view salary and benefit totals by Funds Center (Department)**

Position Budgeting and Control Benefits

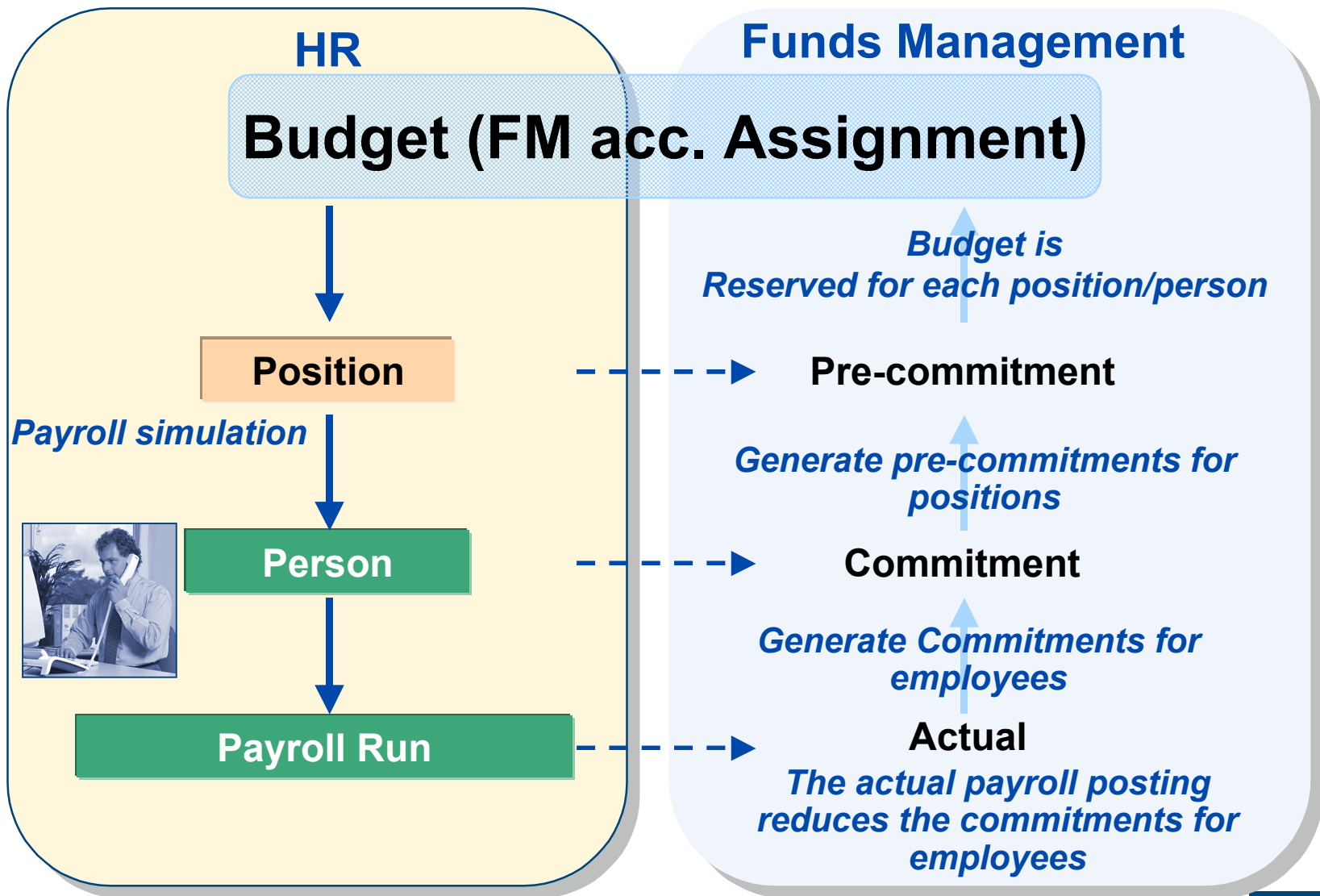


- Integrates budget for Funds Management and PBC
- Brings together the budget required to finance human resources with the management of human resources
- Applies FM processes for monetary budget to PBC
- Optimizes the assignment of employees and positions to funds by making commitments and actuals visible

Key Functionality of Position Budgeting and Control

- Allows multiple employees to be assigned to and financed via a single position
- Creates an encumbrance in Funds Management and PBC when a position is financed
- Multiple sources can be used to fund a single position
- Checks that all persons are financed before payroll is processed
- Reduces commitment at each Payroll posting
- Provides the option to perform an availability control for both FTE and dollars within customizable tolerance profiles.

Position Budgeting and Control - Commitments



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