Accelerated Profitability Analysis (CO-PA) Reporting Using Virtual InfoProvider

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SAP Customer Solution Adoption (CSA) Know-How Webinar Series Schedule

http://scn.sap.com/docs/DOC-23201
Accelerated CO-PA Reporting Using Virtual InfoProvider

Agenda

1 Overview
   • Current Challenges
   • Description and Features
   • Benefits

2 Implementation
   • Setup
   • Execution

3 Wrap Up
   • Further Information
   • Q & A
Overview

• Current Challenges
• Description and Features
• Benefits
Are you spending critical Finance and IT time to attain sufficient reporting and process performance?
Challenges in Finance and Controlling

Process performance
• Running reports is performance intensive and at certain times in the month impact period end closing runtimes

Data volumes
• Challenged by large volumes of data

Speed of analysis and reporting
• Lack of easy access to finance and controlling data results in poor cost control

Poor productivity
• Currently many period end closes involve laborious and time consuming processes
SAP HANA™
Time Becomes Your Competitive Advantage

Run Bolder

- Game changing innovation
- Analytics, operations, AND performance mgmt in one
- Innovative new business applications

Run Simpler

- Streamlined IT landscape and reduced TCO
- Groundbreaking functionality without disruption
- Simple to deploy and without compromise

Run Smarter

- Enables smarter business decision making
- Increases visibility into massive amounts of data
- Delivers real-time operational analysis and reporting
Accelerated CO-PA Reporting Using Virtual InfoProvider
What is it? Description and Features

<table>
<thead>
<tr>
<th>Description</th>
<th>Features</th>
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</thead>
<tbody>
<tr>
<td>InfoProvider that permits analysis and reporting of the Profitability Analysis data with the BI Suite of Tools</td>
<td>• Offers a modern reporting interface using the SAP BusinessObjects reporting tools or Business Explorer (BEx) queries directly against the CO-PA data</td>
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<tr>
<td>The system automatically and dynamically creates the InfoProvider and the corresponding InfoObjects using the definition of the CO-PA Operating Concern</td>
<td>• Transaction KEIP</td>
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<tr>
<td></td>
<td>• Avoid the need for modeling of the InfoProvider in the Data Warehousing Workbench (RSA1)</td>
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<td></td>
<td>• Works for both types of Profitability Analysis:</td>
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<td></td>
<td>• Costing-based and/or Account-based</td>
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<tr>
<td>The VIP is created in the embedded BW platform within the ERP system</td>
<td>• Does not require loading of data into a separate SAP Business Warehouse</td>
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<td>Acceleration through SAP HANA</td>
<td>• Using CO-PA Accelerator performance gains from HANA</td>
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What it is not?

The Virtual InfoProvider does not address Enterprise Data Warehouse use cases, so CO-PA reporting in a separate SAP BW instance may still be recommended.
SAP Virtual InfoProvider
Gateway to modern BI UIs, reporting directly on ERP data using the embedded BW

[Diagram of SAP Virtual InfoProvider flow]
Virtual Info Provider
Gateway to modern UIs, reporting directly on ERP data

How do I visualize key performance indicators for better decision making?

How do I answer ad hoc questions and interact with shared information?

How do I find immediate answers to business questions?

How do I uncover trends from historical data and make possible better forecasts?

How do I turn data into pixel-perfect formatted reports for greater insight?
Summary of Benefits

- Automatic VIP generation in the embedded BW within the ERP system
- Access to modern UI and BI reports directly on ERP data in near real time
- Ability to use VIP from Business Explorer (Bex) without separate BW system
- Report acceleration by reading data from SAP HANA in-memory database
- Minimal setup of authorizations in SAP HANA Studio needed
- Reuse master data and authorizations existing within ERP
- No SLT replication of master data into SAP HANA required
- Avoid data modeling in Information Composer or SAP HANA Studio or BW Data Workbench
Accelerated CO-PA Reporting Using Virtual InfoProvider

Implementation

- Setup
- Execution
Transaction **KEIP** is used to generate the CO-PA Virtual InfoProvider

This function is delivered with the following Support Packages in the standard ERP system:

<table>
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<tr>
<th>SAP ERP System</th>
<th>Enhancement Package</th>
<th>Support Package</th>
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SAP Notes for CO-PA Virtual InfoProvider

SAP Note 1627285 CO-PA Virtual InfoProvider
SAP Note 1679108 Error in the case of hierarchies in Virtual InfoProvider
SAP Note 1709531 KEIP Error R7 024 when generating Virtual InfoProvider
1. KEIP – Generate Virtual InfoProvider
2. RSA1 – Data Warehouse Workbench
3. Business Explorer Query Designer
4. SAP BusinessObjects Analysis for Microsoft Excel
Demo
SAP CO-PA Virtual InfoProvider
“One-click” Generation of BW objects

“One-click” VIP-Generator use ERP-fieldcatalogs to generate Providers and Info Objects

Generated Info Provider in ERP (Embedded BI)
SAP CO-PA Virtual InfoProvider
Access to ERP data via Function Module

“Data Source” is a ERP function module
SAP CO-PA Virtual InfoProvider
BEx Query Designer, Connected directly to ERP data
SAP CO-PA Virtual InfoProvider
SAP BusinessObjects Analysis, Connected directly to ERP data

Modern and familiar Microsoft Office user experience
Few simple clicks to fast business insights
Simplified drag-&-drop to filter, and slice-&-dice
Accelerated CO-PA Reporting Using Virtual InfoProvider

Wrap Up

• Further Information
• Q & A
Further Information

- **Product Information:**
  - SAP Note [1559994](#) Profitability Analysis with Accelerated CO-PA
  - SAP Note [1632506](#) SAP ERP RDS for profitability analysis with SAP HANA
  - SAP HANA CO-PA Accelerator [Quick Guide](#)
  - SMP → [http://service.sap.com/rds-hana-copa](#)
  - [http://www.saphana.com/](#) → Resources → HANA Solutions → RDS – COPA Accelerator
  - SAP Help on [Profitability Analysis](#)

- **Blogs:**
  - SCN: [http://scn.sap.com/people/jeffrey.holdeman/content](#)
SAP CO-PA Accelerator Source Code

The CO-PA Accelerator source code is delivered with the following Support Packages in the standard ERP system:

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<td>ERP 6.0</td>
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<td>SP01</td>
<td>7.00 SP 01</td>
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Also required is SAP Kernel 7.20 (or 7.20 EXT) with at least patch level 90 and at least HANA DBSL patch level 92
Thank you

Contact information:

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