Week 2 Unit 5: **Quick Wins: Optimized ALV and Other Improvements**
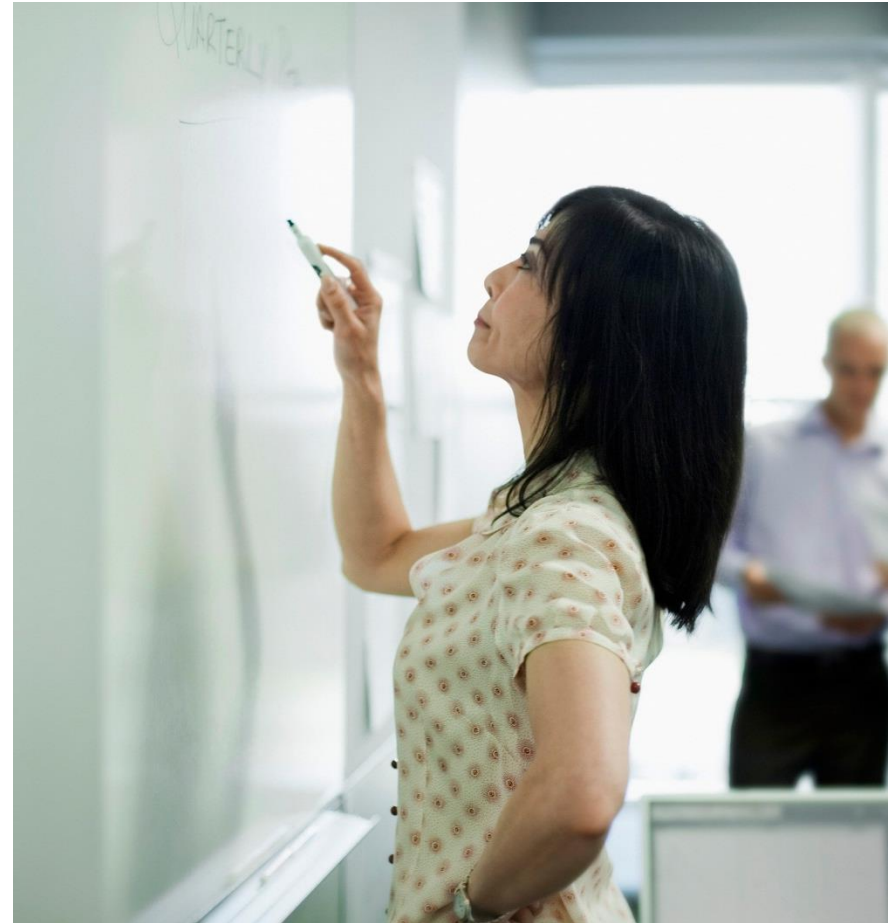
openSAP

Quick Wins: Optimized ALV and Other Improvements
Outline

Content

- Transparent Optimizations

- ABAP List Viewer with Integrated Data Access

- Fault-Tolerant Search Help and Type-Ahead

Quick Wins: Optimized ALV and Other Improvements
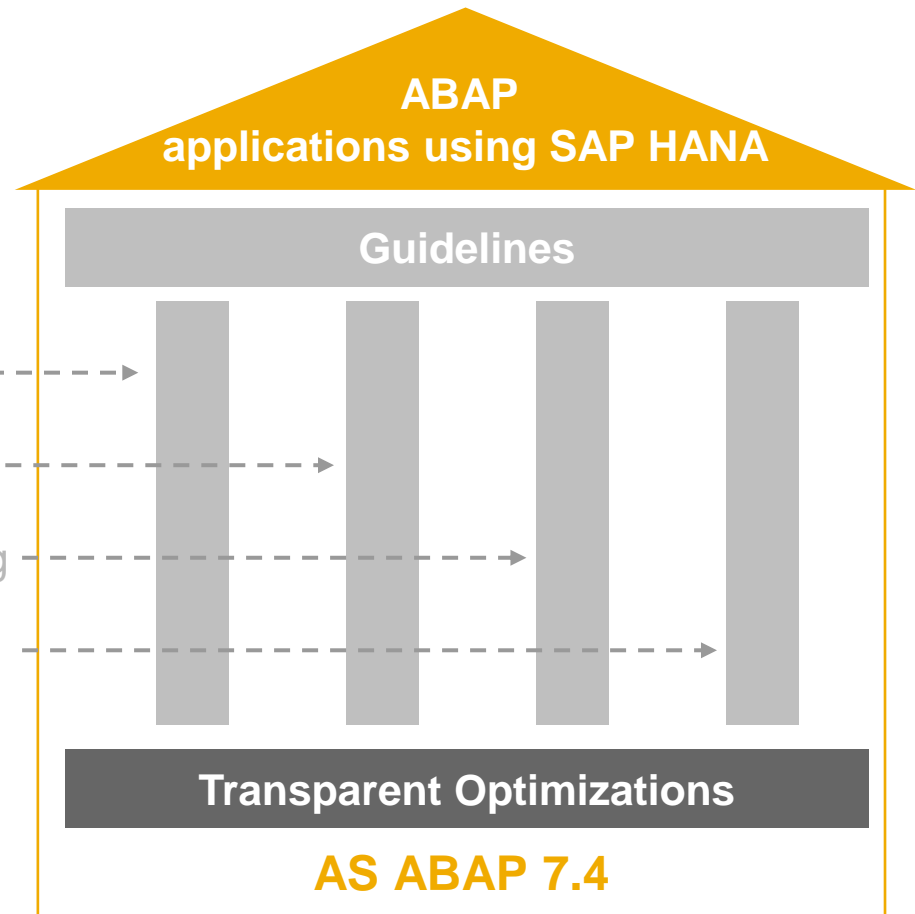## Reminder: Transparent Optimizations

ABAP development guidelines

Improved tools for performance analysis

Extensions to ABAP and Open SQL

Features for SAP HANA-oriented programming

Re-use components optimized for SAP HANA

Transparent optimizations

ABAP applications using SAP HANA

Guidelines

Transparent Optimizations

AS ABAP 7.4

Quick Wins: Optimized ALV and Other Improvements
ABAP List Viewer with Integrated Data Access: Demo

ABAP List Viewer with Integrated Data Access

- Performance gains
- Leveraging SAP HANA capabilities

Quick Wins: Optimized ALV and Other Improvements
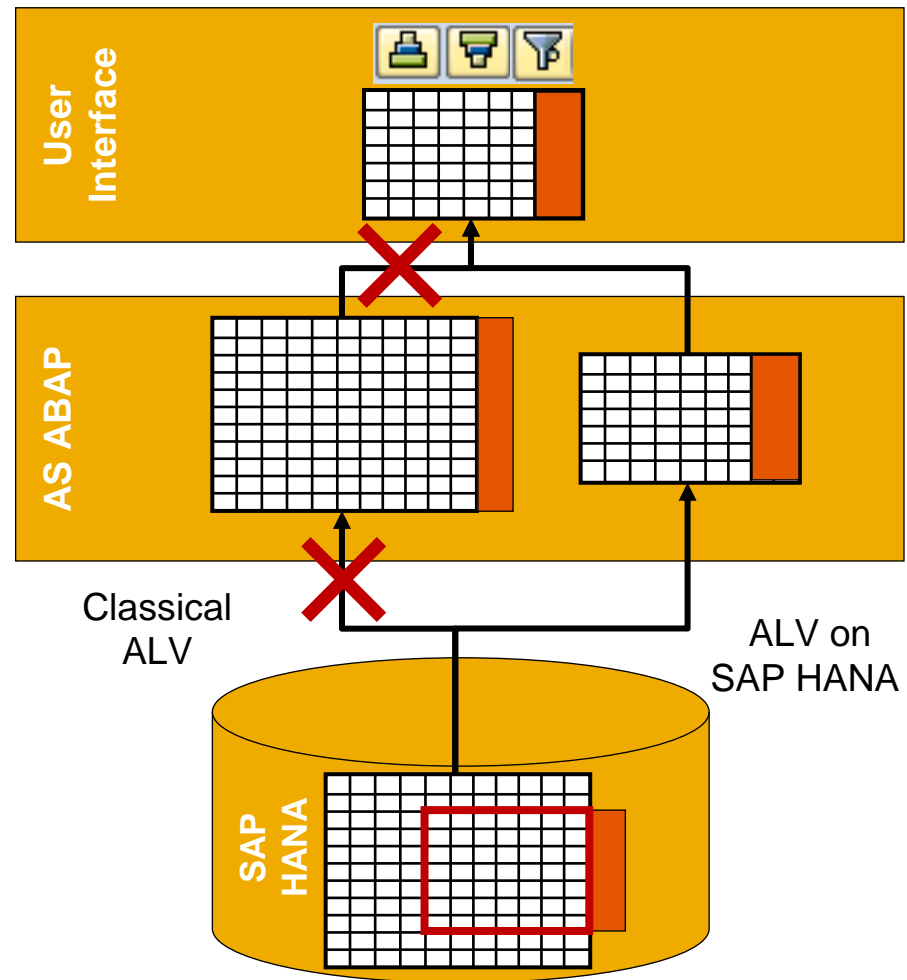ABAP List Viewer with Integrated Data Access

Optimizations

- Result set minimized

- Application of code-to-data paradigm

Experience:

- Performance improvement

- Reduced memory footprint

- No truncation of selected data

More Information:

- http://scn.sap.com/docs/DOC-47994

- ABAP Demo Programs in Package SALV_IDA_TEST

User Interface

AS ABAP

SAP HANA

Classical ALV

ALV on SAP HANA

Quick Wins: Optimized ALV and Other Improvements
Fault-Tolerant Search Help: Demo

SAP HANA text search for search help

- Search help & type-ahead
  - DynPro
  - FPM WebDynPro

Quick Wins: Optimized ALV and Other Improvements
Search Help & Type-Ahead

Search help enhancements

- Fault-tolerant search using SAP HANA

- Type-ahead functionality

Technical Prerequisites:

- SAP GUI version 7.30 PL6 or higher

- SAP NetWeaver Application Server ABAP 7.4 SP03 or higher

More Information in SCN:

- Type Ahead in DynPro

- FPM, ALV & Type Ahead
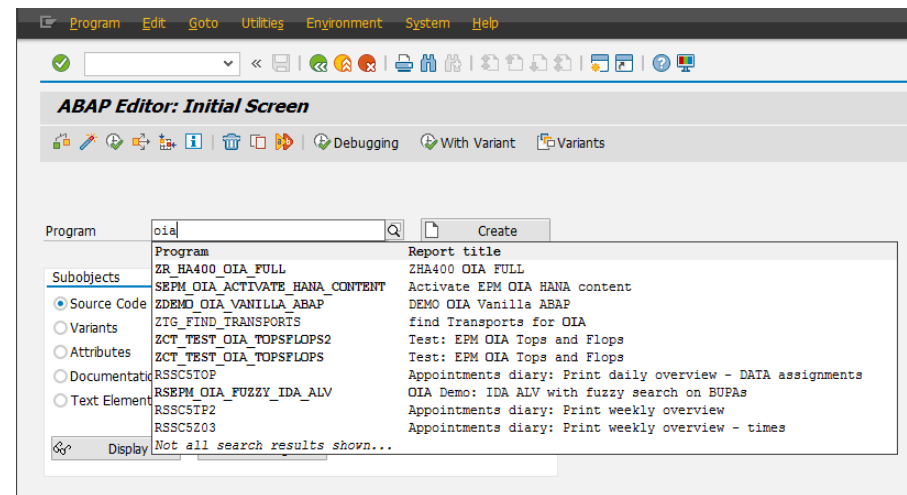
Quick Wins: Optimized ALV and Other Improvements - Search Help with Fuzzy Search (1)

Word suggestion based on the F4 value help data on any database

In addition: Cross-column full text search based on powerful SAP HANA Fuzzy Search

- Fault-tolerance depending on specified accuracy value
- F4 Value Help and SAP HANA search results merged in result list

Easy enabling via Search Help options

- Further enhancements may be required

Quick Wins: Optimized ALV and Other Improvements - Search Help with Fuzzy Search (2)

Input fields with type-ahead-enabled search help

Field appearance changing as soon as edited

Search dialog with full result list and additional search options

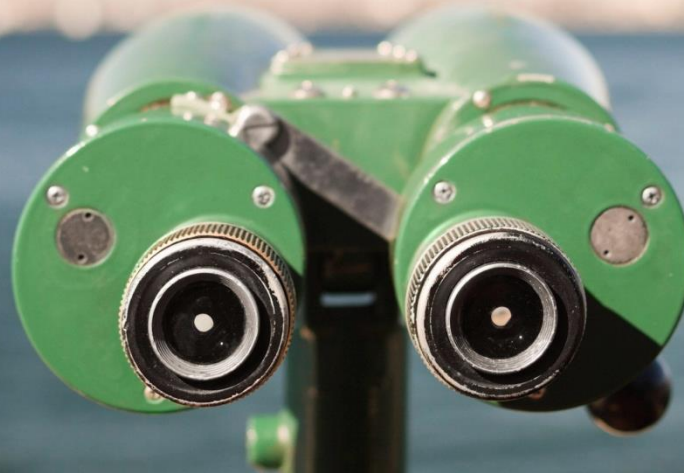Input help displayed in a dropdown box as the user enters the search terms

Clickable entry

Public

Quick Wins: Optimized ALV and Other Improvements
What's Next?

Week 3 Unit 1
Recent Open SQL Enhancements - Part 1

Thank you

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