

SAP Fiori, HANA Live & BW 7.4 SP9

NEW SAP Enterprise Interface & Reporting Capabilities!

The recent ERQA (Enterprise Reporting and Query Analytics) solution offerings SAP Fiori, HANA Live and enhanced BW 7.4 SP9 on HANA DB provide a robust reporting platform. With the new offerings SAP is slowly moving towards the apps based SAP ERP solutions platform with out-of-the box / ready to use content that adds value to existing SAP customers.

I. Introduction to SAP Fiori: SAP Fiori is a new development environment based on SAP UI5, OData Services and Gateway Web Services. SAP Fiori is used primarily to build next generation SAP application interfaces that meets the high demands of the new end user who is used to the new PC (Windows 8.1 OS like interface that exploits the touch screen user experience), tablet and smart phone interfaces. SAP Fiori aims at “**Keeping Simple Things Simple**”. In the long-term, SAP Fiori applications will replace the **SAP GUI** and will provide an aesthetic SAP front-end user experience. SAP Fiori is delivered with out-of-the box SAP interfaces and reports that are ready to activate and use. SAP Fiori primarily focuses on SAP ECC running on SAP HANA database.

a) SAP Fiori Architecture: The Fiori architecture resembles the client-server architecture. The server contains the SAP Netweaver AS ABAP layer which hosts the SAP Business Suite (aka ECC) and the SAP Netweaver Gateway components. The client layer hosts the SAP Fiori front-end components which are based on SAP UI5 that enables device agnostic look and feel to devices such as Desktop/Smartphone/Tablet with individual device customization options (i.e. developer can customize device user experience separately: if using a Smartphone – show a blue color theme and if using a Desktop show a red color theme). The SAP Fiori client layer interfaces with the server layer using **OData** or **HTTPS** access methods. All SAPUI5 compliant front-end tools such as Visual Designer, Visual Composer and Microsoft DotNet can access the server layer.

b) SAP Fiori Out-of-the Box Content: SAP Fiori is presently delivered with out-of- the box interfaces and data analytics content that is ready to activate and use for several SAP modules such as SD, HR, etc. The SAP Fiori initial content includes: **1 – Interfaces:** a – Sales Order Creation and Maintenance interfaces, b – ATP (available to promise) interfaces, c – SAP User Administration interface, d – Purchase Reqs Workflow interfaces, **2 – Data Analytics Reporting Content:** a – Spend Analysis, b - HR Benefits and Personnel Admin Analytics, and more.. SAP Fiori is delivered with 25 business process specific scenarios and respective content (interfaces and analytics). The SAP delivered content can further be enhanced / customized as per customer needs.

c) Technical Skills Needed to Enhance / Build New SAP Fiori Applications: SAP ECC and SAP HANA DB knowledge, Web Services programming concepts, SAP Gateway Services configuration & scripting, SAP HANA XS, Visual Designer / Visual Composer / DotNet and SAP Fiori Theme Designer.

II. SAP HANA Live: Is ready to activate and use SAP HANA data models (HANA calculation, analytical and attribute views) for the SAP ECC environment. SAP HANA live content supports both real-time reporting (when ECC is running on SAP HANA DB) and batch (aka latency) reporting (when ECC and HANA are deployed as standalone systems). SAP HANA Live data models can be further enhanced to meet customer specific business needs and can also be accessed via any HTML5 compliant front-end tools, native Excel and BOBJ tools. The SAP ECC version **ECC 6.0 EHP7** and above is required for SAP HANA Live.

SAP BW 7.4 SP9 ON HANA

1 – More Mixed Scenarios for BW on HANA DB Modeling with Standalone and Side-car HANA Platforms: A total of 8 mixed BW modeling scenarios are provided with BW 7.4 SP9 that includes SAP Lumira and BW workspaces. Enhanced scenarios include a – Composite Providers with support to more join types (inner, outer, left and outer), b – Transient Providers combining SAP HANA and BW data source using SAP BW authorizations and more...

2 – Super Fast Data Loads: With SAP BW running on SAP HANA database, you will notice that data loads have improved significantly. Based on project experience, performance has been improved within SAP BW up to 50 times. However, the PSA data load does **NOT** improve in a big way due to source system extractor logic constraints and source system performance. The PSA loads will benefit when SAP ECC is also upgraded to run on SAP HANA DB.

SAP DESIGN STUDIO v1.3

1 – DS 1.3 now supports BPC-NW planning application interfaces with write-back capabilities,
2 – DS 1.3 is now available in 3 flavors: a – DS for HANA, b – DS for NW and c - DS for BI (aka BOBJ)...



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