

SAP Analytics Cloud & SAP Data Warehouse Cloud: Key Feature & Business Benefits



The integration of SAP Data Warehouse Cloud and SAP Analytics Cloud heralds a new era of efficiency and innovation for businesses. This dynamic duo is already renowned for their seamless live connection and the ability to leverage shared model semantics, including currency conversion and multi-language support. The latest milestone in their integration journey takes this partnership to greater heights by establishing a robust Planning integration. With a bi-directional link between SAP Data Warehouse Cloud and SAP Analytics Cloud, businesses can now effortlessly load and retract fact data, master data, and audit data between the two solutions.

In this blog, we delve into the key features and benefits that make SAP Data Warehouse Cloud and SAP Analytics Cloud a formidable combination, reshaping the landscape of analytical use-cases for organizations.

SAP Analytics Cloud

SAP Analytics Cloud represents a comprehensive cloud-based offering delivered as a Software as a Service (SaaS), catering to business intelligence (BI), planning, and predictive analytics needs. It features distinctive integration with SAP applications and seamless access to diverse data sources. Developed natively on SAP Business Technology Platform (BTP), it ensures a unified and secure public cloud experience, empowering organizations to optimize data-driven decision-making.

SAP Data Warehouse Cloud

SAP Data Warehouse Cloud (DWC) is an end-to-end data management and decision-making cloud solution, built on the in-memory power of SAP HANA Cloud. It offers modern data warehousing tailored for businesses and IT users. It ensures instant access to data via pre-built business content. It offers a rich set of adapters to integrate data from various sources (incl. SAP and non-SAP), at reduced deployment complexity, and flexible pricing.

Both solutions primarily focus on meeting the requirements of business users and maximizing the capabilities of the existing SAP Cloud platform. While each solution has its merits for individual use, they form SAP's strategic cloud solutions for Data Warehousing, Planning, and Analytics, offering even greater strength when utilized in tandem.

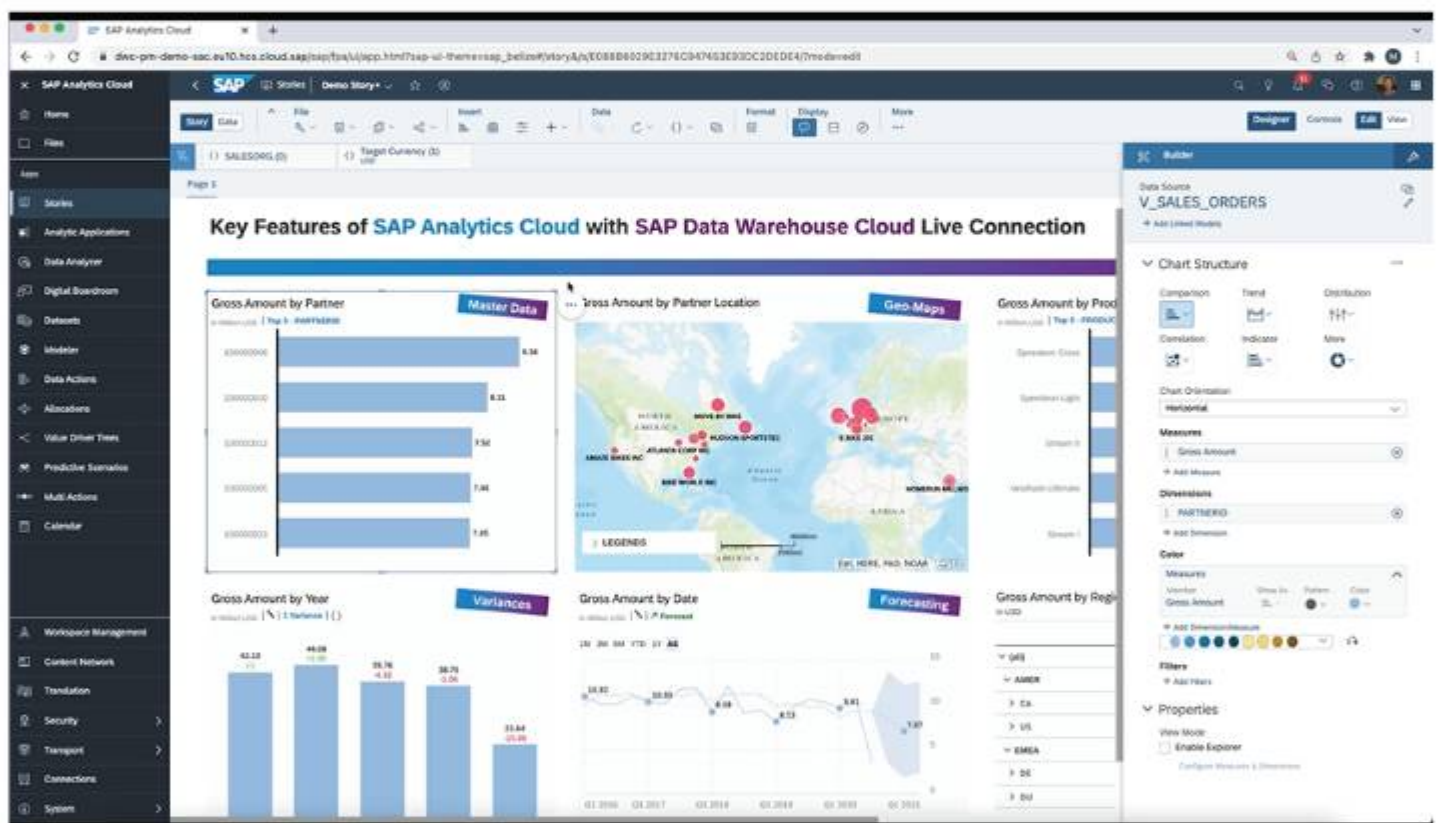


What makes SAP Data Warehouse Cloud and SAP Analytics Cloud better together?

Together, SAP Data Warehouse Cloud and SAP Analytics Cloud unlock unparalleled synergies, enhancing efficiency and innovation for businesses, offering the following features and benefits:

Seamless Support for Live Connection

SAP Analytics Cloud can establish a live connection to various cloud and on-premise data sources, including SAP Data Warehouse Cloud. This ensures that data remains in its original location without replication. This approach positions SAP Data Warehouse Cloud as a central governance layer and the single source of truth for enterprise data, eliminating the need for data duplication in SAP Analytics Cloud as an analytical frontend.



This comes with the following benefits-

- Changes in SAP Data Warehouse Cloud are immediately reflected in SAP Analytics Cloud, ensuring users access the latest data.
- SAP Analytics Cloud utilizes data access authorizations from SAP Data Warehouse Cloud, ensuring business users only see authorized rows.
- SAP Analytics Cloud reuses and interprets model semantics from SAP Data Warehouse Cloud, providing numerous out-of-the-box features.

Geo-Visualization Support

Geo-maps in SAP Analytics Cloud provide a powerful tool for data analysis and pattern detection, a capability seamlessly extended to the live connection with SAP Data Warehouse Cloud. SAP Data Warehouse Cloud supports the Bubble Chart, Heat Map, and Feature Layer for geo-visualization.

To leverage this capability in SAP Data Warehouse Cloud

- Create Geo-Coordinates Dimension: Establish a Dimension with a geo-coordinates column, utilizing the default selection for the Spatial Reference Identifier.
- Associate Geo-Enriched Dimension: Link the geo-enriched Dimension to the Analytical Dataset intended for consumption in SAP Analytics Cloud.

With these simple steps, users can dive into spatial analysis in SAP Analytics Cloud, utilizing the geo-visualization support from SAP Data Warehouse Cloud. This collaborative feature enhances the platforms' capabilities, making them better together for uncovering insights through geographical perspectives.

Elevating Insights Leveraging Master Data

Master Data adds valuable context to transactional data, empowering business users to extract greater value from their analytical dashboards. Through their seamless integration, SAP Analytics Cloud effortlessly taps into Master Data maintained in SAP Data Warehouse Cloud.

To implement this enhancement, associate the Dimension containing Master Data with the Analytical Dataset in SAP Data Warehouse Cloud. The annotations "Semantic Type" and "Label Column" play a crucial role in effective ID and Description handling. This collaborative feature enhances the overall analytical capabilities when SAP Data Warehouse Cloud and SAP Analytics Cloud are used together.

MS 365 Add-In Support

An exciting enhancement is that the MS 365 Add-In now extends its support to SAP Data Warehouse Cloud as a data source. This expansion opens up new possibilities for Excel enthusiasts, allowing seamless interaction with data from both SAP Data Warehouse Cloud and SAP Analytics Cloud. The SAP Analytics Cloud Add-In for MS 365 offers users the convenience of connecting and exploring SAP Analytics Cloud data within the familiar Excel experience, accessible from any location and device. This feature enhances the overall user experience, making the integrated platforms more powerful and user-friendly for Excel aficionados.



Offers Multilanguage Support

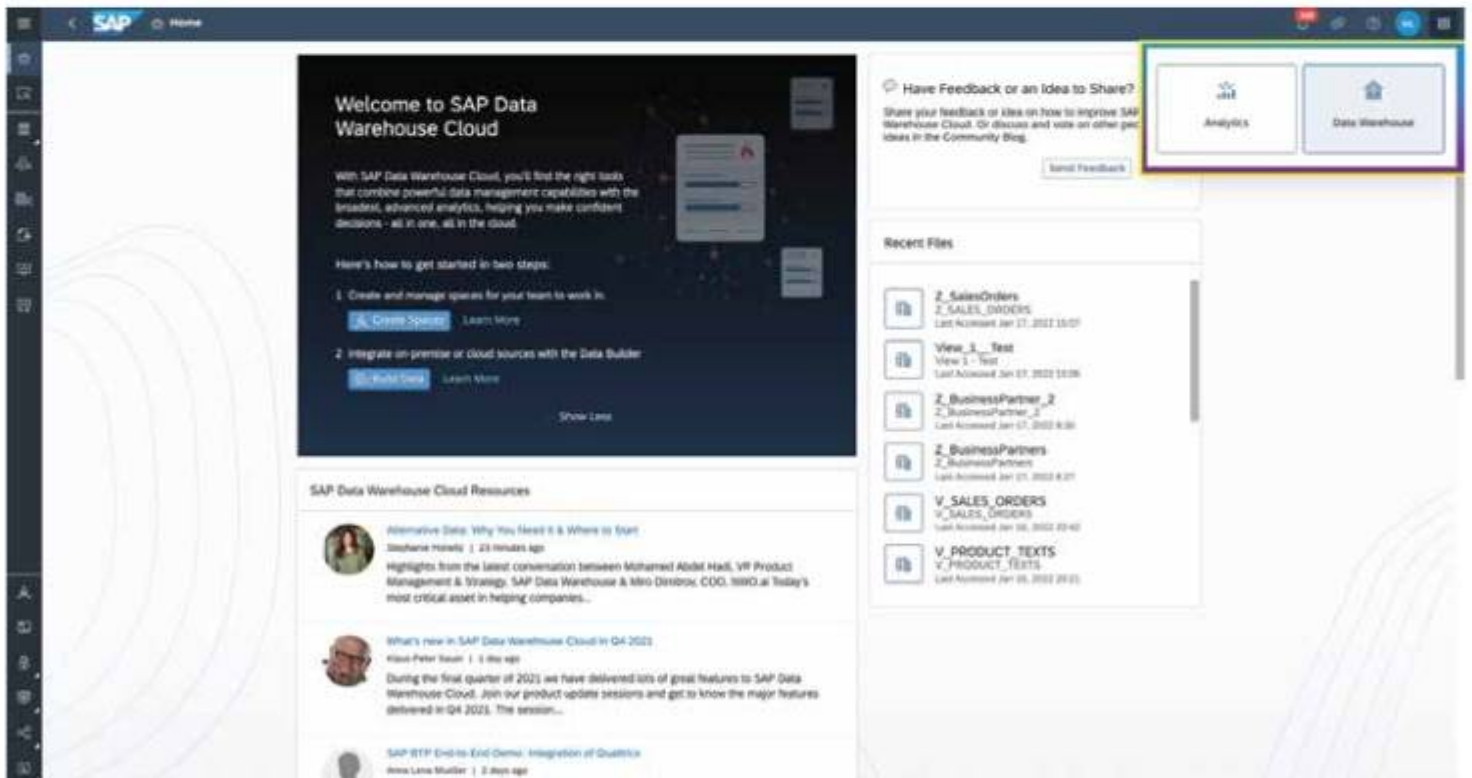
SAP Analytics Cloud and SAP Data Warehouse Cloud offer extensive multilingual support, accommodating over 40 languages. This feature allows the analytical dashboard to seamlessly adapt to the language preferences of business users, a valuable capability for multinational companies seeking standardized content consumption across global teams.

Technically, achieving dashboard translation involves addressing various components, such as SAP Analytics Cloud content, user interface elements, texts in stories, and translation of model data, including metadata and dimension master data. Business users have control over language preferences and data access language settings in SAP Analytics Cloud user preferences. Additionally, the translation of master data is facilitated in SAP Data Warehouse Cloud through Text Association



Effortless Product Navigation & Unified User Experience

SAP Analytics Cloud and SAP Data Warehouse Cloud offer the same user experience with simplified product navigation. Provide seamless navigation between both solutions via our “Product Switch” on the top right side.



Enhanced currency conversion capabilities

The integration of SAP Data Warehouse Cloud and SAP Analytics Cloud is significantly improved currency conversion capabilities. This synergy allows for seamless and efficient conversion of source currency into the preferred currency for business users. The configuration process in SAP Data Warehouse Cloud is simplified, requiring just a few steps to ensure the smooth handling of currencies. This collaborative feature enhances the overall capabilities of the platforms when used together.

Unleashing Time Features

The integration of SAP Data Warehouse Cloud and SAP Analytics Cloud brings forth powerful time features, such as range filters, hierarchy selection, variance charts, and time-series forecasting. These features are well appreciated in SAP Analytics Cloud, and the collaboration extends support for them in SAP Data Warehouse Cloud live connections.

To enable these time features seamlessly:

- Automatically generate time dimensions for your SAP Data Warehouse Cloud space.
- Follow naming conventions for your date attribute in the Analytical Dataset. For example, the technical name of the date attribute should end with "_DATE" for day-level granularity.
- Associate the relevant time dimension generated in step 1 (e.g., SAP.TIME.VIEW_DIMENSION_DAY for day-level granularity) with your date attribute.

By implementing these steps, users can seamlessly leverage advanced time features in SAP Analytics Cloud, enhancing the analytical capabilities of the integrated platforms.

Support Hierarchies

Hierarchies serve as a powerful tool for structuring data, enabling business users to efficiently explore information through activities like drill-downs. Both platforms seamlessly support both level-based hierarchies and parent-child hierarchies.

Enabling hierarchies is a straightforward process: Simply associate the Analytical Dataset with the respective Dimension containing the hierarchy definition. By implementing this association, users can unlock the full potential of hierarchical structures, promoting efficient and intuitive data exploration in both SAP Data Warehouse Cloud and SAP Analytics Cloud. This collaborative feature contributes to making these platforms better together.

Support Input Parameters and Story Filters

The collaborative strength of SAP Data Warehouse Cloud and SAP Analytics Cloud is amplified by their robust support for Input Parameters and Story Filters.

Input Parameters: Enable business users to actively shape query results by specifying criteria like sales region or target currency. These parameters are versatile and generic, allowing for flexible adjustments. Technically, user inputs are transmitted to the SAP Data Warehouse Cloud model and applied in filters or calculations.

Story Filters: Specifically designed for SAP Analytics Cloud as the analytical frontend, Story Filters are a feature of SAP Data Warehouse Cloud. They enable result query filtering, configured directly at the attribute level. Users benefit from a convenient value help feature for selecting desired dimension members.

Input Parameters and Story Filters empower users with enhanced control over data queries, making SAP Data Warehouse Cloud and SAP Analytics Cloud a formidable combination for data analysis and exploration.

Ready to harness synergies with SAP Data Warehouse Cloud and SAP Analytics Cloud?

In conclusion, the integration of SAP Data Warehouse Cloud and SAP Analytics Cloud marks a significant leap forward in efficiency and innovation for businesses. The dynamic collaboration between these two platforms offers a host of key features, such as seamless live connections, shared model semantics, enhanced currency conversion, multilingual support, and robust planning integration. The platforms also empower users with advanced capabilities like hierarchical support, input parameters, story filters, time features, and geo-visualization, providing a comprehensive solution for diverse analytical needs. With these combined strengths, SAP Data Warehouse Cloud and SAP Analytics Cloud emerge as a formidable combination, reshaping the landscape of analytical use-cases and offering unparalleled insights for organizations.



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