

SAP S/4HANA Embedded Analytics

The Best Kept Secret About to be Revealed

Tim K. Nguyen
Consultant, SAP S/4HANA Project

Navajo Tribal Utility Authority (NTUA)



ASUG

Agenda

- Implementing S/4HANA? What's the best kept secret?
- What is SAP S/4HANA Embedded Analytics & How Can It be Leveraged?
- What is the Right Infrastructure to Support S/4HANA Embedded Analytics?
- Lessons Learned from an Implementation
- The Typical Challenges & Dealing with Multiple Sources of Data

Implementing SAP S/4HANA?

WHAT ARE THE DRIVERS?

1. Moving to SAP HANA the database?
2. Better functionalities than SAP ECC 6?
3. Driving a Digital Transformation?

ALL GOOD !

***If Data is the Most Valuable Asset in your Company
Then What About “Unlimited Analytics”?***

Are You Aware of the Capabilities of SAP S/4HANA Embedded Analytics?

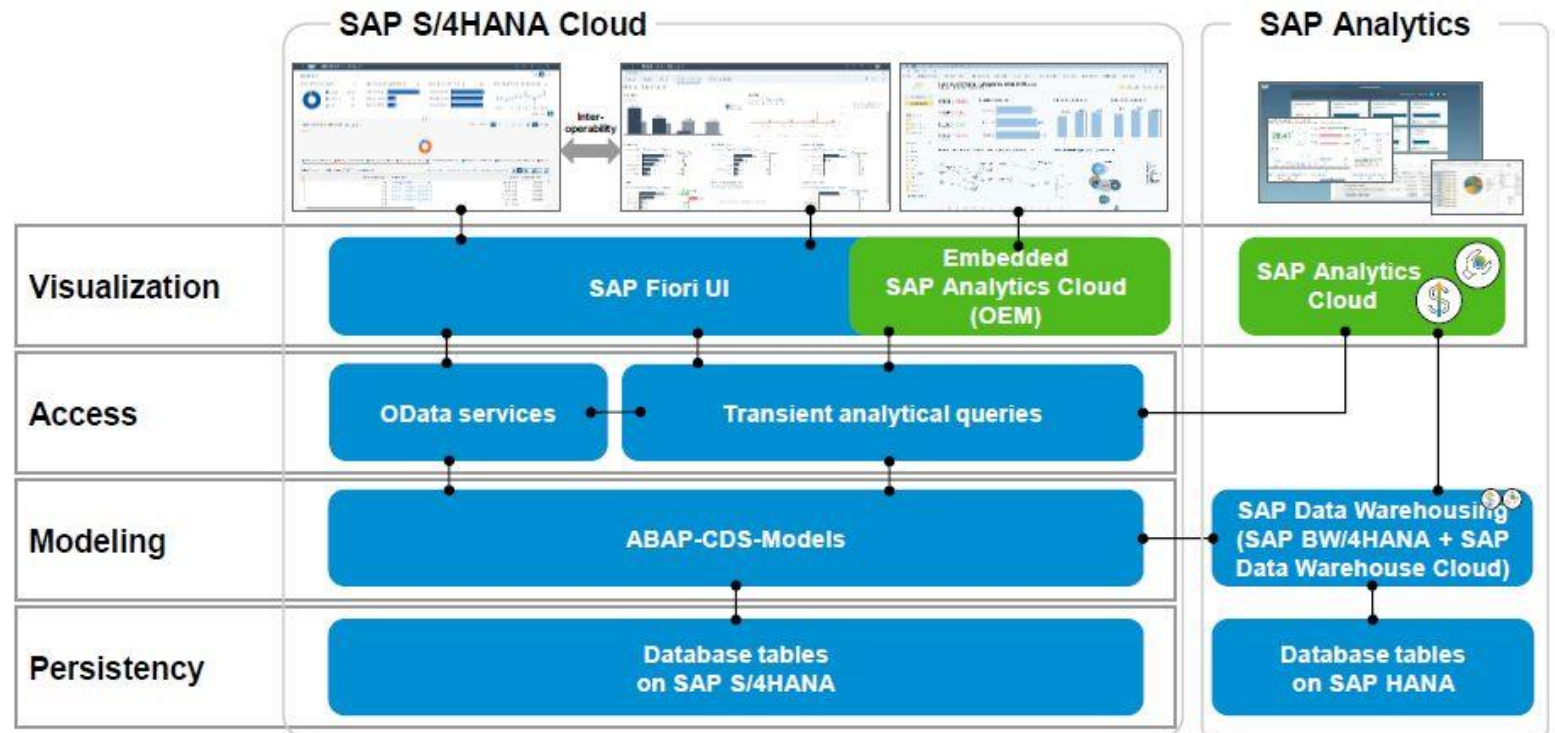
What SAP Provides Out-of-the Box

S/4HANA Embedded Analytics – the Game Changer

S/4HANA Embedded Analytics is
included in the license cost for S/4HANA

SAP S/4HANA embedded analytics – Overview High level architecture

See also:
Unit on architecture in week 1



© 2021 SAP SE or an SAP affiliate company. All rights reserved. | PUBLIC

4

Enabling the Business User with SAP S/4HANA Embedded Analytics

SAP S/4HANA embedded analytics – Overview Capabilities for the business user

Smart Business KPIs



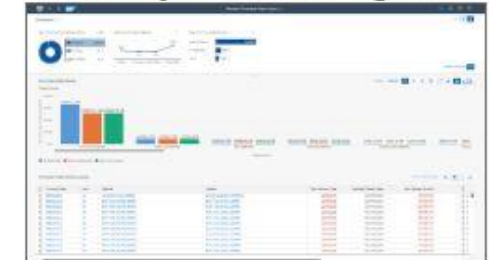
- KPI monitoring on SAP Fiori launchpad
- Drill-down into further analytical or transactional apps
- Save personal variants

Overview Pages



- Consolidated view on a certain domain, e.g. Purchasing
- Information presented in analytical tables and charts
- Take action in the same place or navigate to other apps
- Save personal variants

Analytical List Pages



- Generic approach to mix analytical and transactional activities
- Display table or chart or a combination
- Take action directly in the same app or navigate to other apps
- Save personal variants

In-App Analytics and ML



- Combine analytics with transactional content in one screen
- Insight-to-action to prioritize based on facts
- Use drill-downs to determine transactional input parameters

© 2021 SAP SE or an SAP affiliate company. All rights reserved. | PUBLIC

Multidimensional Reports



- Analyze and visualize data from multiple dimensions
- Display pivot-table or chart or a combination
- Save personal variants

Powered by SAP Analytics Cloud

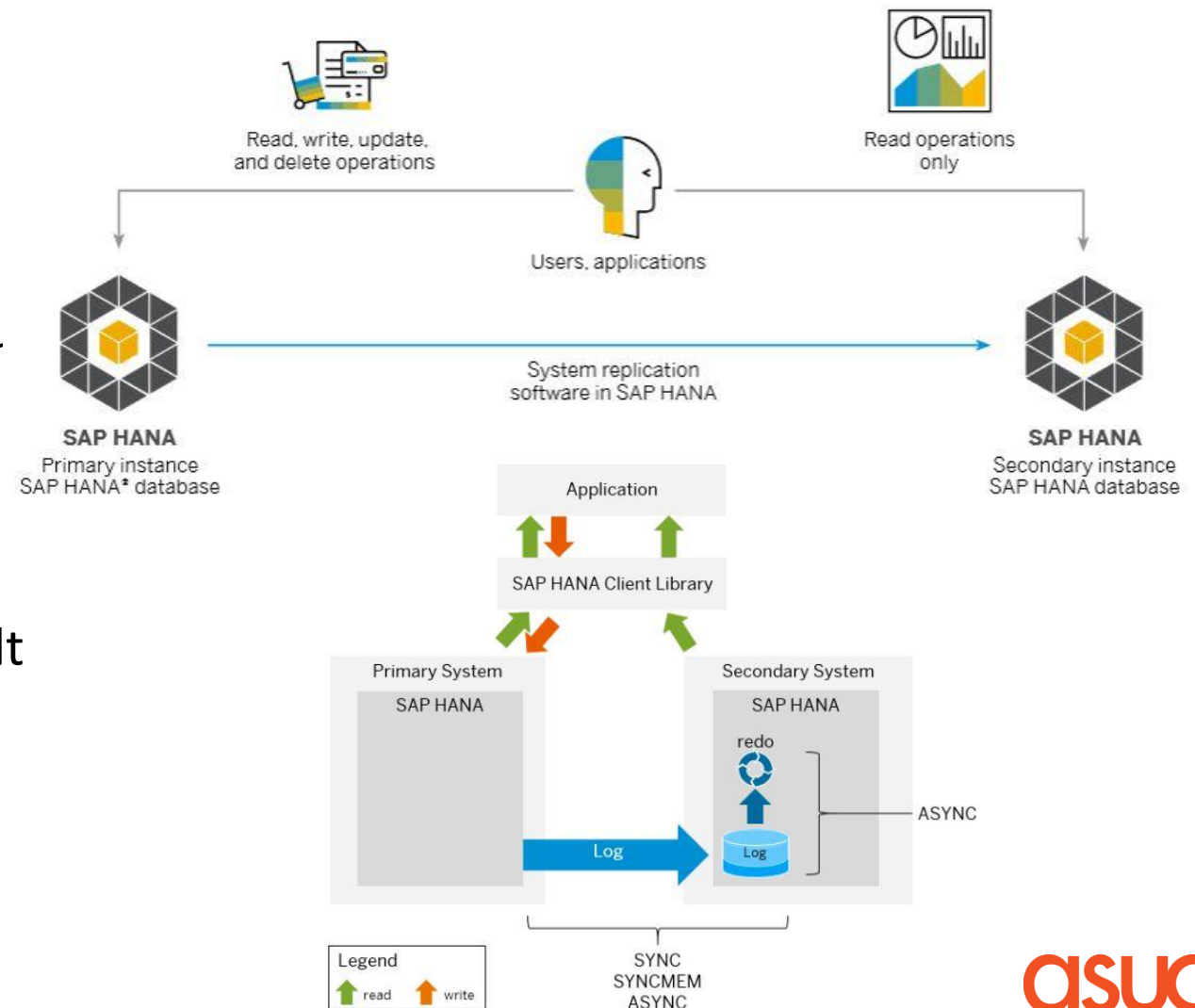
Dashboards



- SAP S/4HANA: Optional, additional content, stories (SAP S/4HANA data only) shipped via analytics content repository
- Used as templates, customers will copy and adapt
- SAP S/4HANA Cloud: Fiori-embedded SAP Analytics Cloud content, stories come as part of SAP S/4HANA Cloud apps.
- Queries supplying the data are shipped with SAP S/4HANA

The Right Infrastructure for S/4HANA Embedded Analytics

- The operation of S/4HANA Embedded Analytics **should not interfere with** the OLTP Production system
- SAP HANA 2.0 Active-Active (Read-Only) Architecture for Disaster Recovery & Business Continuance is also **out-of-the-box solution** from SAP for logs replication & for the secondary DB to be active
- This architecture can also be leveraged for “unlimited” analytics since OLAP activities will be read from Site B
- SAP S/4HANA analytics query can be built with hints to take advantage of this special architecture
- Can be entirely on-premise, or cloud to cloud, or hybrid cloud



Lessons Learned from an Implementation

1. Separate the Business User discussion from the Technical Implementation discussion
2. Designate a Facilitator/Enabler as the liaison between the stakeholders and the project team
3. May need more than one person, especially for working with Executive Management
4. Be open to NEW IDEAS – think **Dashboard** instead of **Reports**
5. Adopt the Agile Development Methodology
6. Take advantage of openSAP courses
7. **THINK BIG** and strive for “Unlimited Analytics”

Typical Challenges & Dealing with Multiple Data Sources

1. Beware of crowding too much into dashboards
2. If data only comes from S/4HANA, keep it simple and leverage SAP Fiori for the data presentation
3. Pay close attention to overall system performance

DEALING WITH MULTIPLE DATA SOURCES

1. Leverage SAP Analytics Cloud as the federated Presentation Layer
2. Leverage SAP BW/4HANA and other Business Intelligence platforms – before of increased complexity
3. Leverage SAP Data Intelligence as a BTP service for data manipulation

Questions?

For questions after this session, contact us at [email] and [email].

Thank you.

Additional text here.