

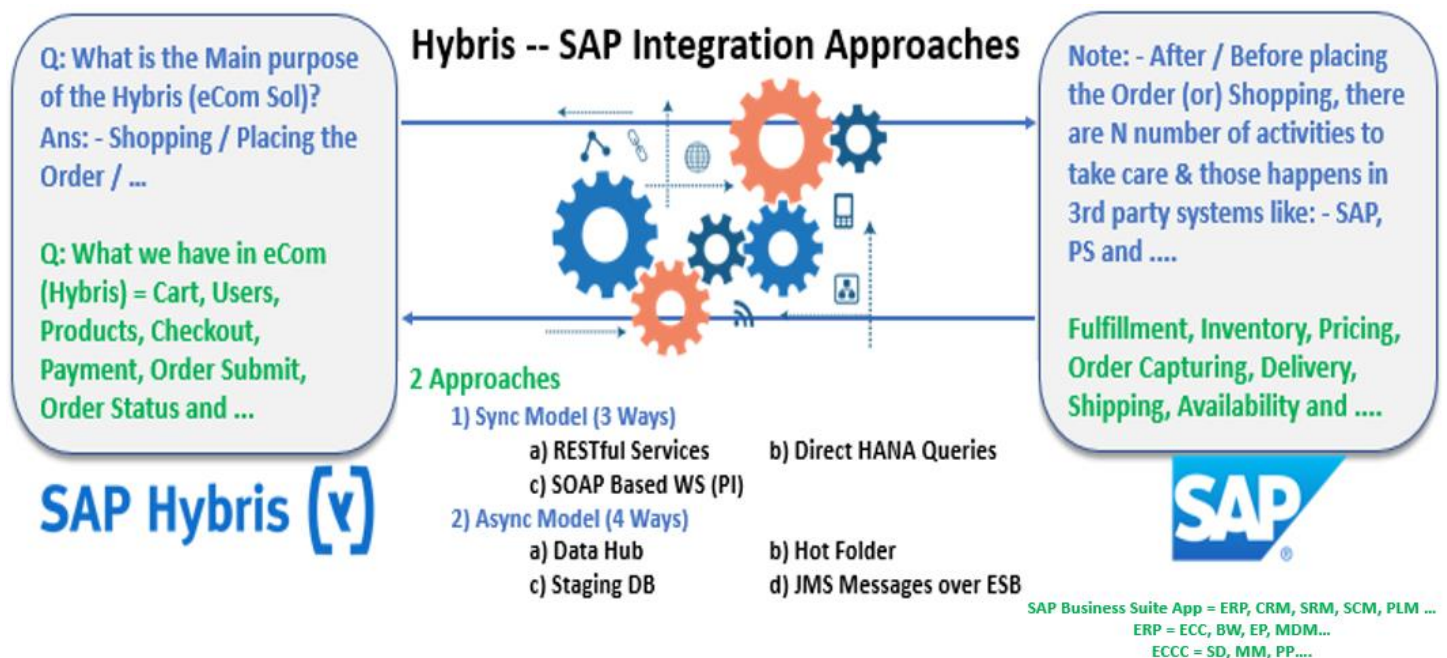
Q: What are Business needs of Integration when client already has SAP Up & Running for their Enterprise Env?

- Provide great UX (eCommerce, Multi-channel Commerce, Master data & Order management and ...)
- Customers (Users) interactions will be with Hybris
- Reusability – SAP master data: Products, Customer, Prices, Stock level and etc....
- Reduces – Front end complexity by using Hybris as entry point for placing the order

Q: What kind of Target customers for this Integration?

- 1 who already have invested in SAP & working on old version of products: -
 - Mainly B2C customers
 - B2B customers without complex price calculation

Q: What are the SAP & Hybris Integration Approaches?



Q: What is Data Hub (DH) = It is a Simple, Extensible, Scalable Data Integration. Provides connection point between multiple sources & targets. Below are the **Key Integration** between Hybris & Target Systems: -

- SAP (ERP, S4/HANA, CRM, C4C, Hybris Marketing, Hybris Billing)
- Hybris to Hybris
- YAAS Connect.

Note: - DH is a generic FWK for integration with any external systems.

- It is bidirectional. It can bring data (Hybris ← 3rd Party) & It can export data (Hybris → 3rd Party).
- It supports common transfer formats = BMEcat & OCI.
- Acts as **staging area** where external data can be analyzed for errors & corrected before fed into hybris.
- It is one of the extension in Hybris. It will run on Tomcat server.
- Hybris comes with Data Hub module, but not activated (So you must activate in **localextensions.xml**).

Contact us for more information → chennareddytraining@gmail.com (Java–Salesforce–SAP Portal–UI5/Fiori–Hybris)

Q: What is the Role of the DH in Hybris – SAP Integration?

- Inbound replication of the **Master data** (Customer, Contacts, Products, Stock, Prices & Discounts) from ERP → Hybris
- Outbound replication of **Sales Orders** from Hybris → SAP ERP (Asynchronous OM)

Q: What are the Hybris DH Features? = **(1)** Import / Export between various external Sources & Targets **(2)** Data sequencing & dependencies **(3)** Data cleansing **(4)** Fully extensible & customizable

Q: What kind of Business Benefits with DH?

- Create accurate & consistent data
- Reduce data integration time to Hybris
- SAP Solution Integration
- DH is Hybris context ready
- Enable large scale system transformation scenarios

Q: What is new in Data Hub 6.2?

Item Status Counts, Load Activity, Composition Activity, Publication Activity and Filtering & Dashboard

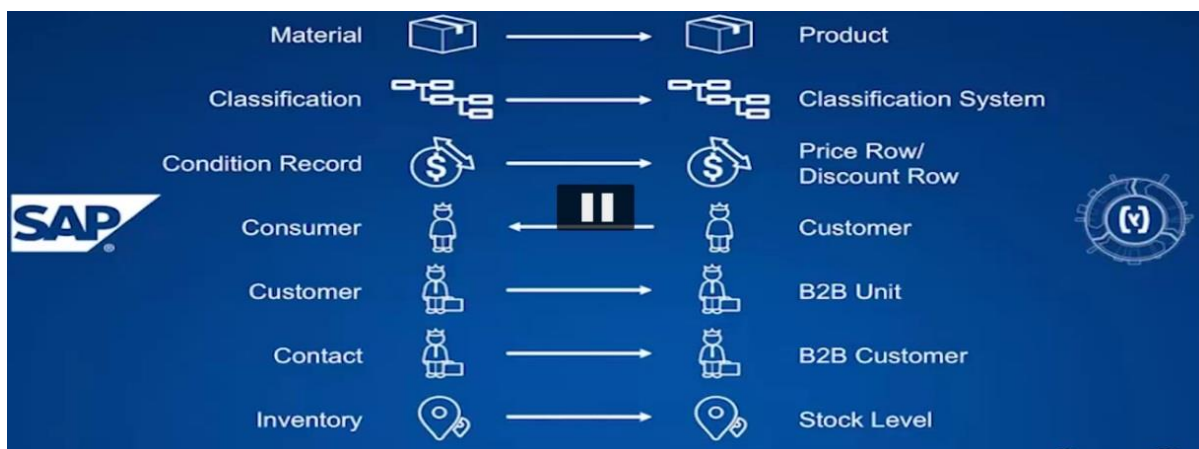
Q: What min knowledge is required for Data Hub? = Java, Spring, Tomcat, Maven, XML, JSON & DB

Q: Can we SAP NW PI (Process Integration) Instead DH? = Yes, we can PI. But mappings are difficult & we need ABAP. If we use **DH**, its simple extension. Runs on Tomcat. Coding will be in Spring. Reduce work.

Q: What software's are required?

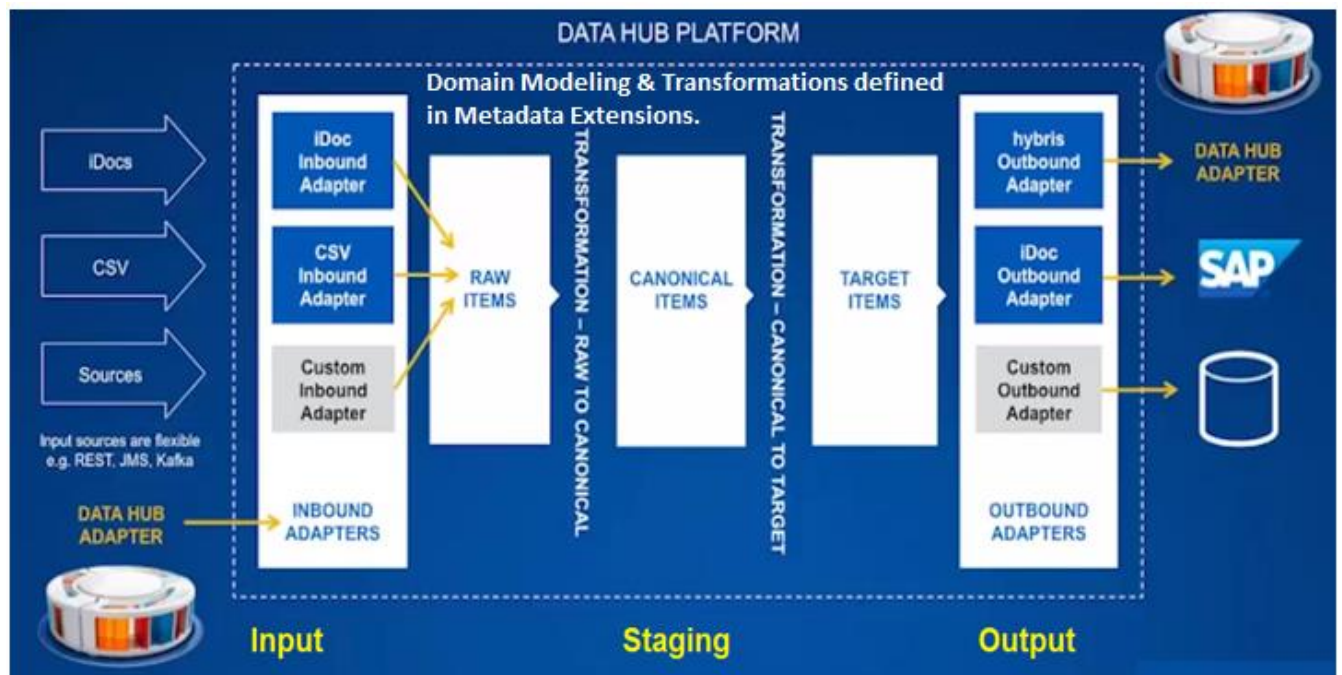
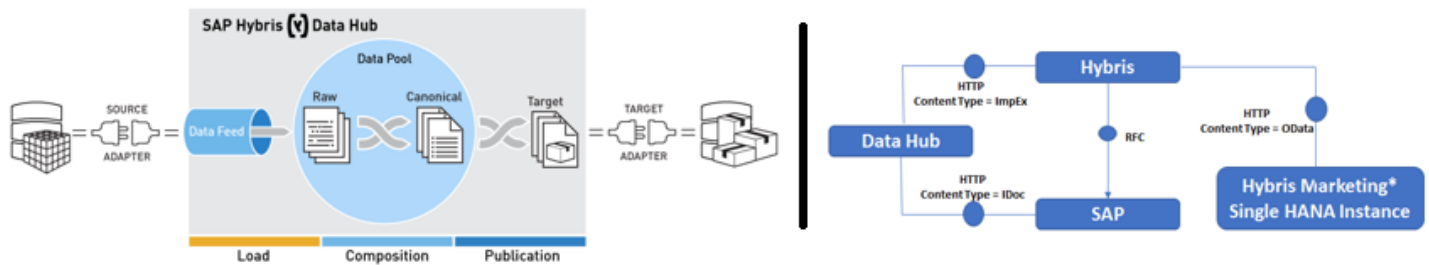
- **Servlet Container** = Apache Tomcat (>=7) / WebLogic (>=12c)
- **DB Servers** = MySQL (>- 5.6) / Oracle (>=11g) / HANA
- Java (>=1.8) & Maven (Latest)
- Hybris (>=5.3). **Note:** - By default (when **datahub-webapp.war** file is deployed), application is configured to use HSQL DB. But HSQL is **not supported DB for production** deployments.

Q: Explain Hybris – SAP Integration Master Data Mapping?



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Q: Explain Hybris DH Architect?



Q: How Data Hub (DH) works? = DATA HUB takes XML format as input & finally we convert into **IMPEX**. It can be done in 2 ways: -

- **Outbound = Hybris → ERP**
 1. Process Engine = Used for decoupling
 2. Data Hub Adapter = Transfers data to Data Hub
 3. Data Hub extensions = Define the raw data formats, transform to canonical data format & target system format.
 4. SAP IDoc Outbound Adapter = Reads target system format, creates IDocs & sends to SAP via Spring-Integration.
- **Inbound = ERP → Hybris**
 - SAP IDOC Inbound Adapter = Receives IDocs by SAP & creates Spring-Integration messages.
 - Messages are routed to mapping services provided by the SAP extensions
 - Mapping Services are creating raw data fragments & route them to Data Hub raw inbound.
 - DH transforms raw items to canonical items & target items, which are published to Hybris
 - During Impex data processing, Hybris Services, Interceptors, Translators & Events are used.

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