



SAP Customer Experience

Integration Series – SAP Commerce Cloud with ERP/SAP S4 Hana Cloud

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INTERNAL – SAP and Partners Only

Agenda

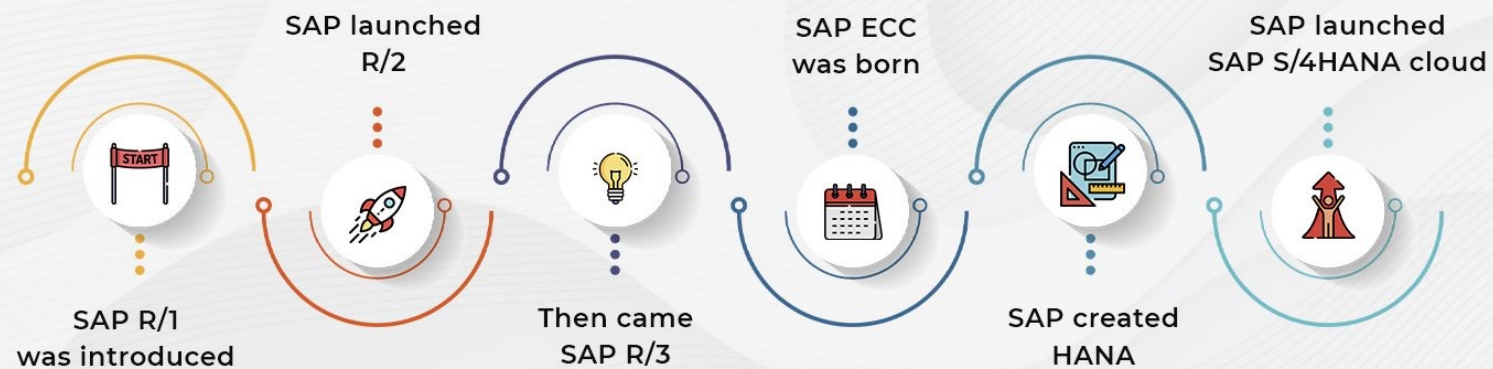
- Overview ERP
- Overview of Commerce Cloud
- Integration Overview
- Integration Uses Cases
- Initial Set up for Systems
- Technical Detail Integration
- Useful Links

ECC ERP S4Hana S4 Hana Cloud - Differences

- ERP – Enterprise Resource Planning Software. Only On Prem
- ERP Streamlines the processes across procurement, manufacturing, service, sales, finance, and HR etc.
- ECC - ERP Central Component, core inside the ERP Business suite.
- ERP/ ECC are used interchangeably
- S4 Hana is new age ERP solution built on Hana data base
- S4 Hana cloud is the cloud hosting of S4 Hana.

SAP ERP Evolution

EVOLUTION OF **SAP** AND ITS DIFFERENT VERSIONS

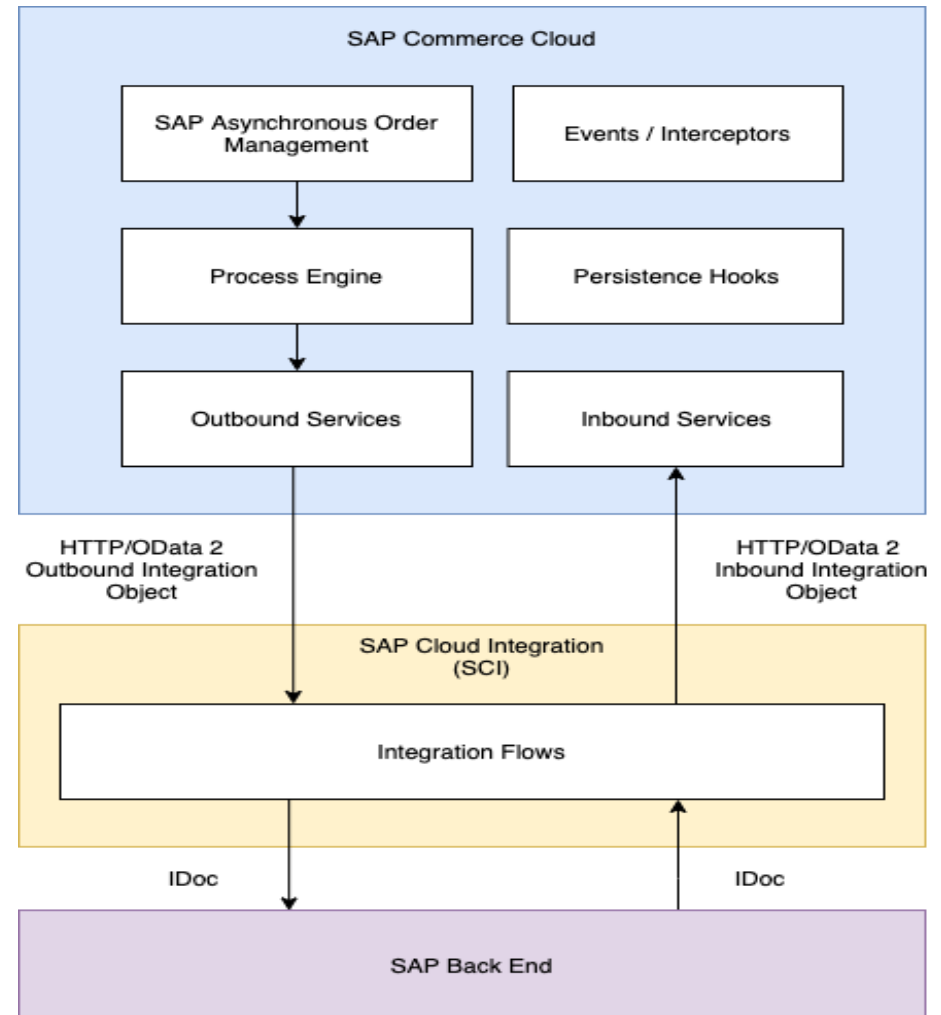


Overview of SAP Commerce Cloud

- SAP Product offers e-commerce functionality to engage your customer on any device.
- The extensible, modular architecture provides a solid foundation for developing relevant and personalized experiences
- Framework built on Java & Spring.
- SAP Commerce cloud is available on public cloud as PAAS (Platform as a Service), one can deploy their own customization on top of standard product suiting the business requirement.

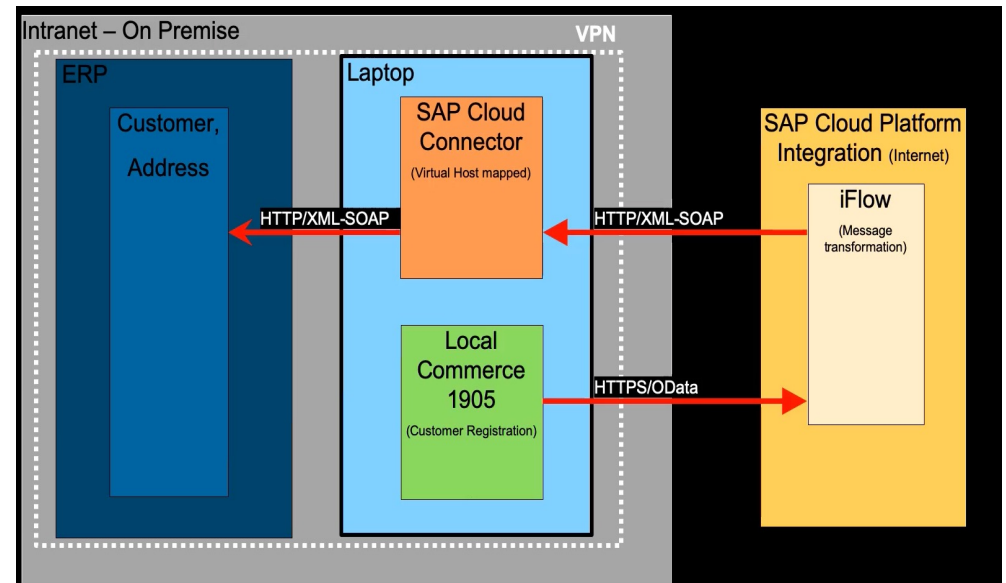
Integration Overview

- BTP Integration Suite (older name SCPI)
- SAP Cloud Connector for connecting to on prem ERP.
- Inbound (product, price, stock)
- Outbound (Customer ,Orders)
- Note: SOM is not supported on CCV2 due to the deprecation on LORD API. However Synchronous pricing with ASOM is supported.



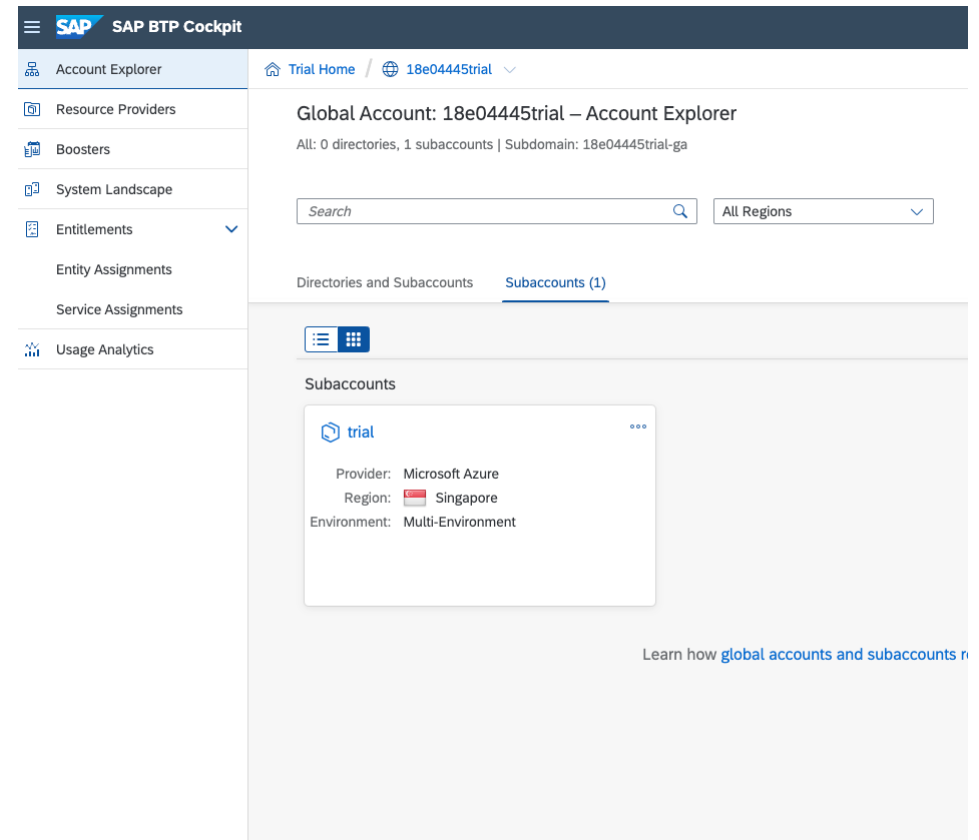
Cloud Connector

- Its required for BTP Integration to connection to onprem application
- The S4 Hana deployed on customer on Subscription on public cloud is also considered as on prem
- It is needed only for the outgoing connection from BTP Integration -> on prem and not vice versa
- <https://tools.hana.ondemand.com/#cloud>



BTP Integration Suite

- Trial Account possible – 30 days – can be extended to 90 days
- <https://cockpit.hanatrial.ondemand.com/>
- Configure the service – Integration suite in BTP with Appropriate Roles and permission
- One also need to select Provider along with the Data Center



BTP Integration Flows

<https://api.sap.com/package/SAPCommerceCloudIntegrationwithSAPS4HANACloud/integrationflow>

https://api.sap.com/integrationflow/Replicate_Material_From_S4HANACE_To_Hybris_Commerce

https://api.sap.com/integrationflow/Replicate_Classification_From_S4HANACE_To_SAP_Commerce_Cloud

<https://api.sap.com/integrationflow/Replicate-Orders-From-SAP-Commerce-Cloud-To-SAP-S4HANACE-Odata>

https://api.sap.com/integrationflow/Replicate_B2B_Customer_From_S4HANACE_To_Hybris_Commerce

https://api.sap.com/integrationflow/Replicate_Price_and_Discount_From_S4HANACE_To_SAP_Commerce_Cloud_Dev

https://api.sap.com/integrationflow/Replicate_OMS_Stock_Level_From_S4HANA_To_Hybris_Commerce_Cloud_SO_AP

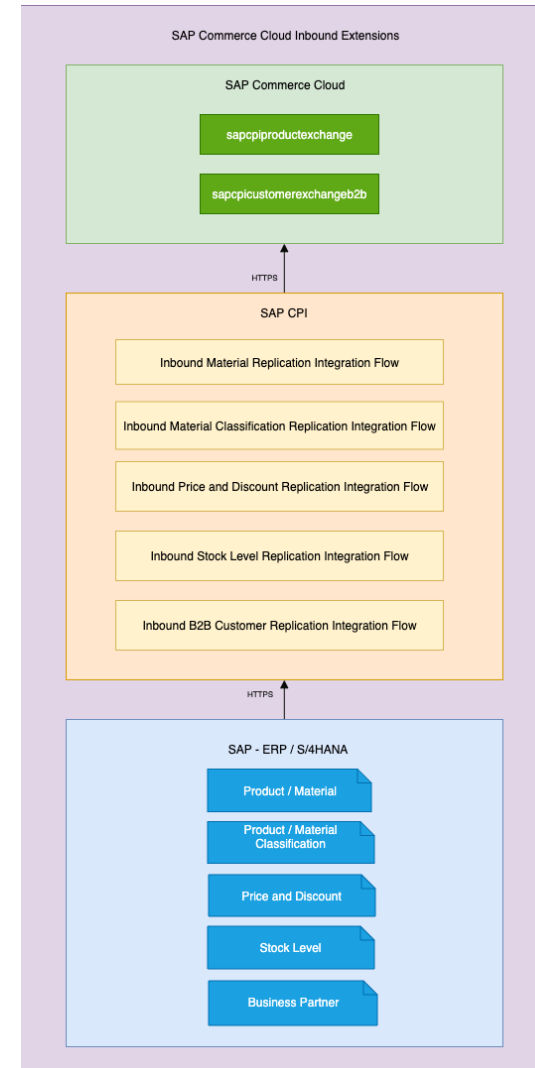
Extensions in Commerce

All these extension are to be used if integrating via BTP Integration Suite akka SCPI

- *Sapcpiadapter* – allows to call SAP Cloud Integration from SAP Commerce Cloud
- *Sapcpiproductexchange* - replicates product and master data from SAP S/4HANA and SAP ERP to SAP Commerce Cloud .
- *Sapcpiorderexchange* - replicates B2C sales orders from SAP Commerce Cloud to SAP S/4HANA and SAP ERP.
- *Sapcpiorderexchangeb2b* - replicates B2B sales orders from SAP Commerce Cloud to SAP S/4HANA and SAP ERP
- *Sapcpicustomerexchange*- replicates B2C customers between SAP Commerce Cloud and SAP S/4HANA and SAP ERP
- *Sapcpicustomerexchangeb2b* - replicates B2B customers between SAP Commerce Cloud and SAP S/4HANA and SAP ERP
- Extensions are part of IEP – Integration Extension Pack for Commerce cloud

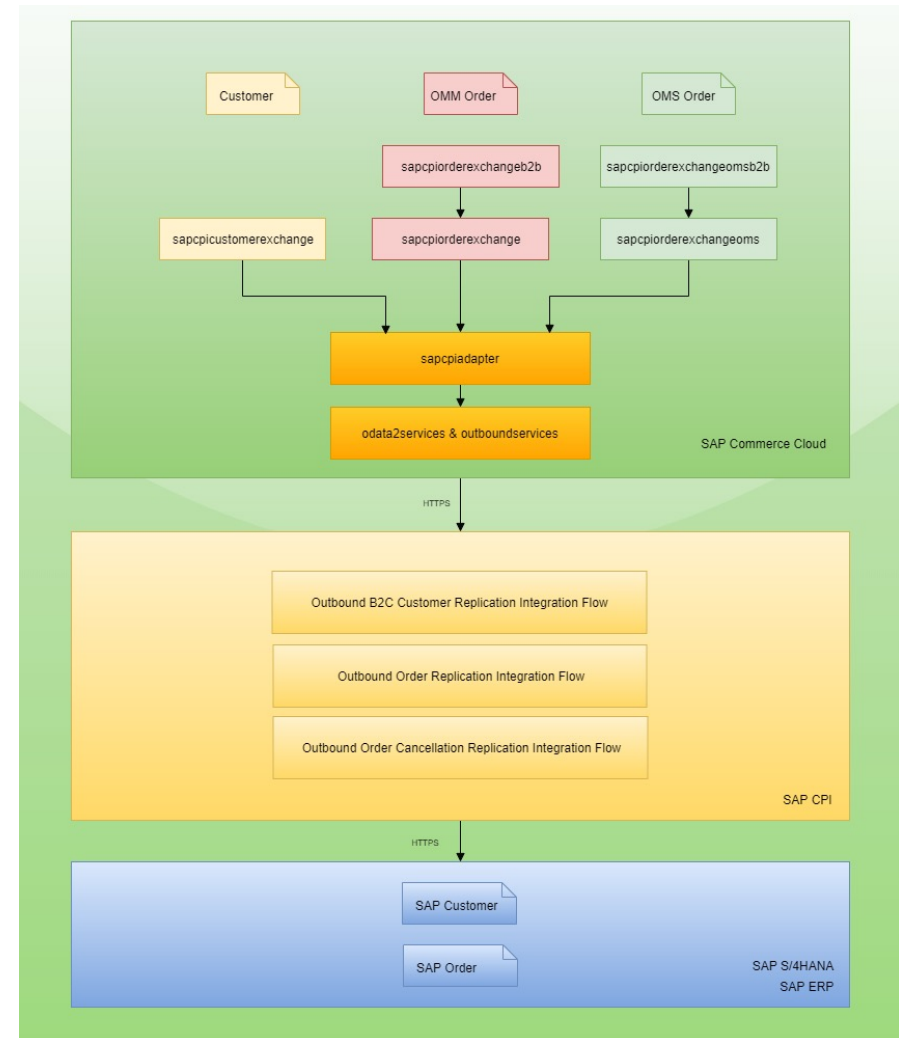
Inbound Extensions

- sapcpiproductexchange
- sapcpicustomerexchangeb2b



Outbound Extensions

- sapcpiadapter
- sapcpicustomerexchange
- sapcpiorderexchange
- sapcpiorderexchangeb2b
- sapcpiorderexchangeoms
- sapcpiorderexchangeomsb2b



Integration Object (IO) Definitions

The IO definitions are contained the extensions covered in the previous slides

Example:

The sapcpiadapter extension contains all of the outbound Integration Objects:

- `essentialdata-OutboundB2CCustomer.impex`
- `essentialdata-OutboundCancelOMMOrderOMSOrder.impex`
- `essentialdata-OutboundOMMOrderOMSOrder.impex`
- `essentialdata-OutboundDestinations.impex`

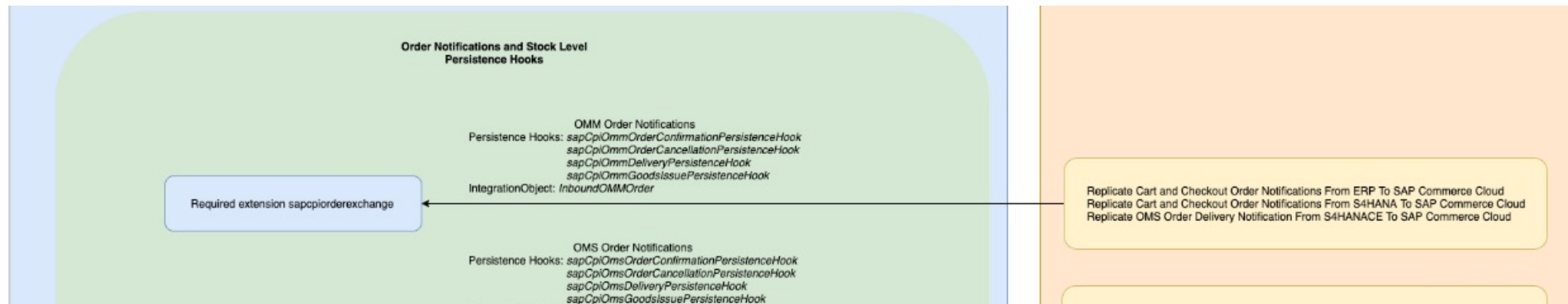
Inbound Persistent Hooks

- triggered in SAP Commerce Cloud before persisting inbound Integration Objects.
- handle persistence logic specific to the inbound Integration Objects such as triggering events or updating statuses.

Example :

`sapCpiOmsOrderConfirmationPersistenceHook`

`sapCpiOmsOrderCancellationPersistenceHook`



Useful Links

<https://help.sap.com/docs/connectivity/sap-btp-connectivity-cf/cloud-connector?locale=en-US>

https://help.sap.com/docs/SAP_COMMERCE_INTEGRATIONS/451f9eea67c3442696e7a0a631e9b975/8c3b7f0686691014ad08f6afb1deb296.html

https://help.sap.com/docs/SAP_COMMERCE_CLOUD_PUBLIC_CLOUD/bad9b0b66bac476f8a4a5c4a08e4ab6b/a369beb4497b44d08eb7f548147cae1d.html?locale=en-US&q=Integration%20API

<https://developers.sap.com/trials-downloads.html?search=sap+btp>

<https://developers.sap.com/tutorials/cp-starter-isuite-onboard-subscribe.html>

https://help.sap.com/docs/SAP_COMMERCE_INTEGRATIONS/9b7fba7fb23645fcb03d294dde98752/e15aabd47924c8983dc2ffb75634483.html?locale=en-US

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Thank you.

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