



SAP Customer Experience

SAP CPQ and ERP Variant Configuration Integration Architecture Current Planning

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PUBLIC



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SAP CPQ to SAP ERP Variant Configuration - Master Data Integration

Material and Knowledge Base replication from SAP ERP into SAP CPQ

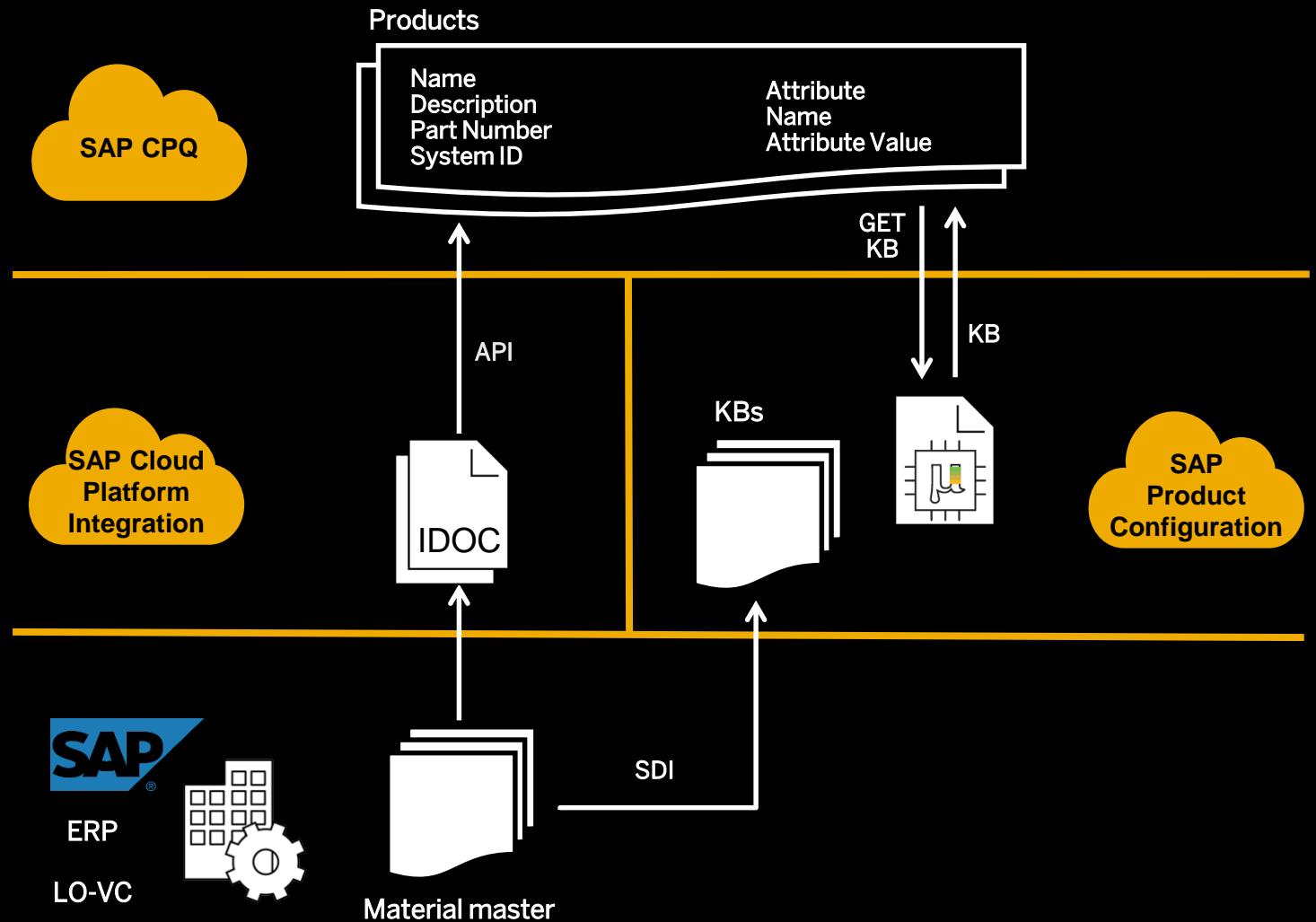
Discussion

Replicate **Material Master**

- From SAP ERP using standard **IDOC**
- Replicates:**
 - Name
 - Description
 - Material Number
 - Material Type
 - UoM (basic)
 - Catalog (Hierarchy)

Replicate **Knowledge Bases (KBs)**

- Using SAP Product Configuration
- Batch pull from CPQ
- Enriches the products in CPQ with:
 - Attribute Name, Description
 - Placement (characteristic groups)
 - Attribute Values
- Rules are **not** replicated to SAP CPQ



SAP CPQ to SAP VC: Runtime Configuration Process

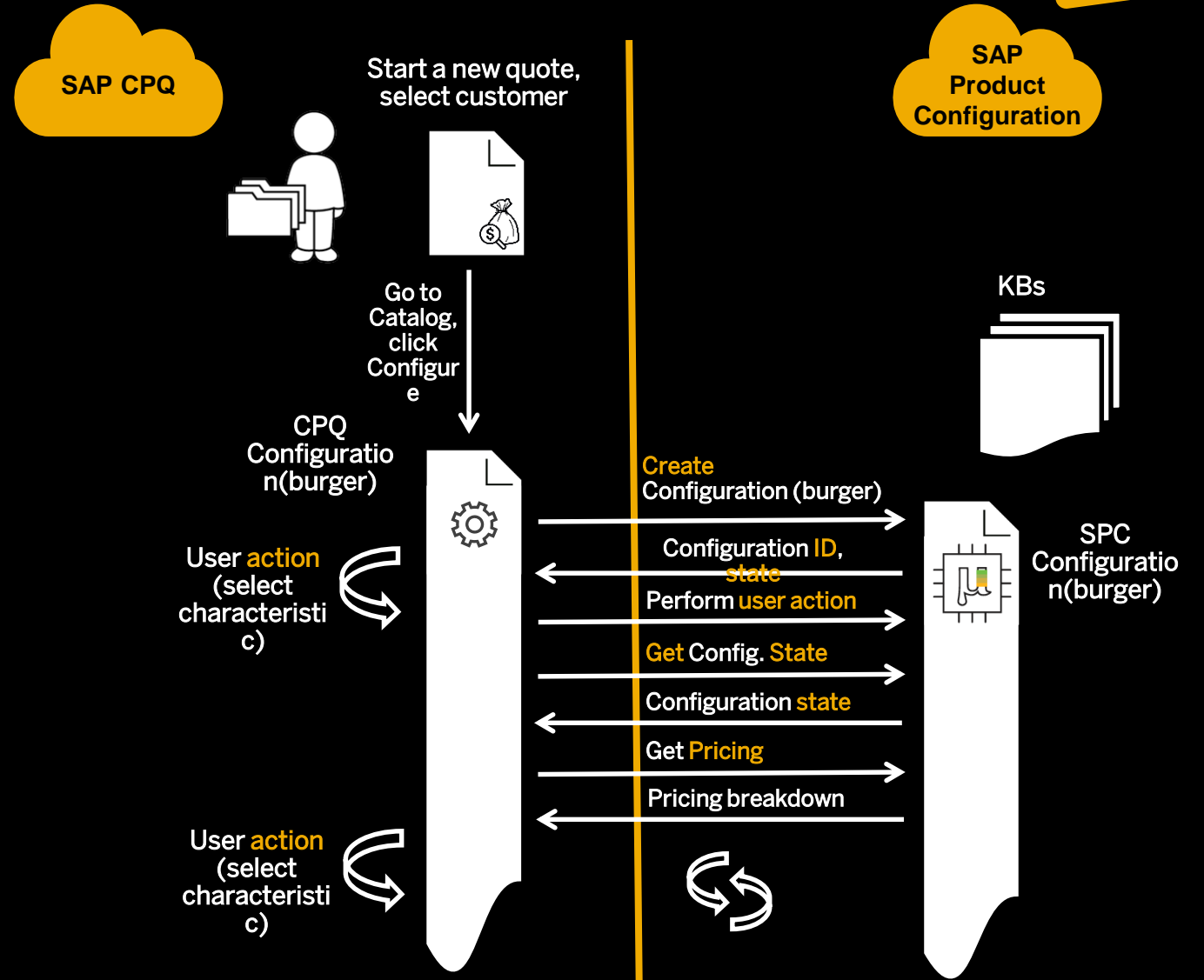
Integration details

Start a **new Quote**, select the customer

Go to **Catalog** and find your product

Start **configuring**

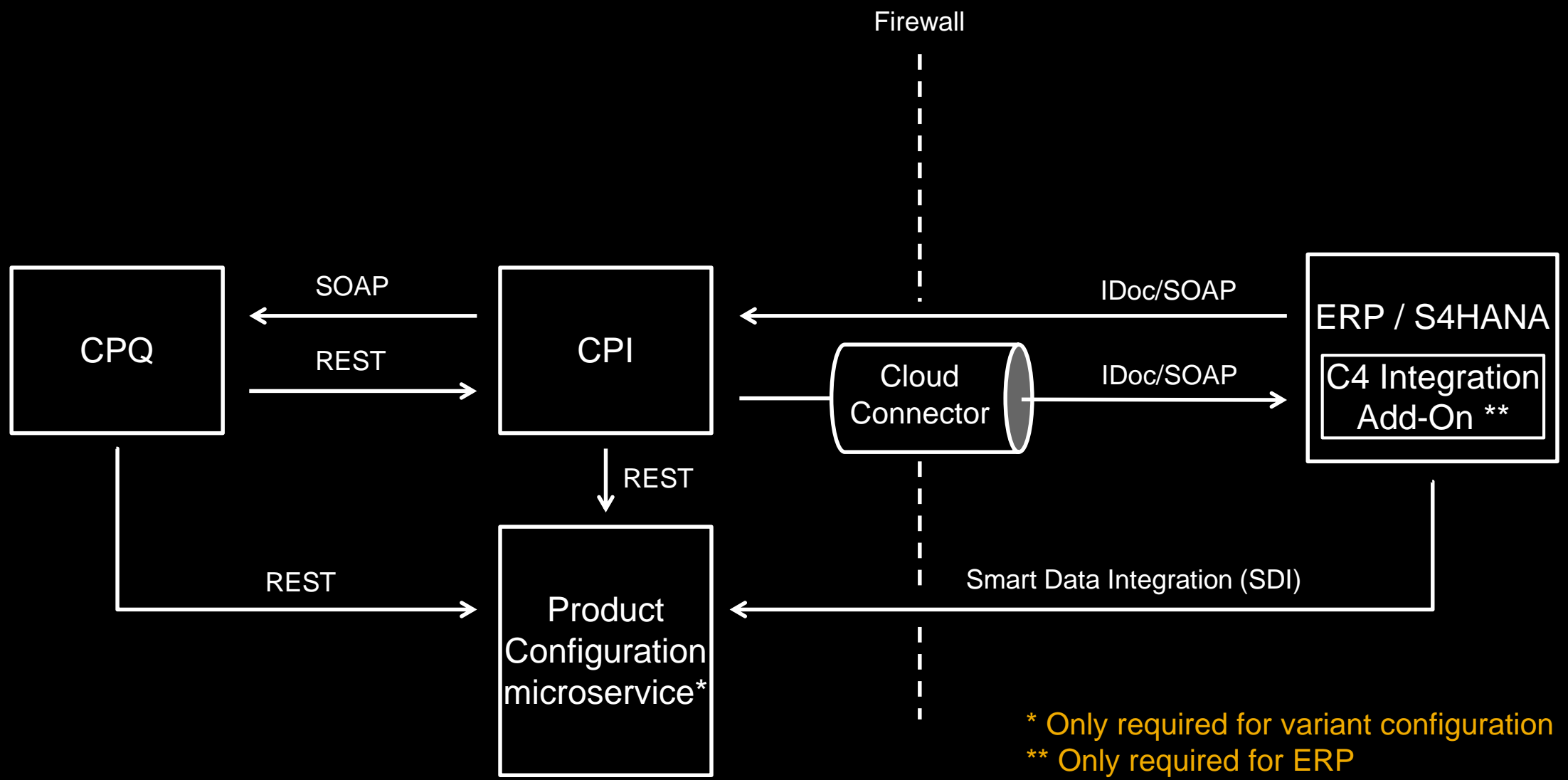
- CPQ creates a new configuration in Product Configuration and gets back configuration **state**
 - CPQ merges the state with its own product configuration and displays it to the user
- User makes an attribute selection in CPQ
 - CPQ sends it to Product Configuration and gets new state
 - CPQ makes a pricing request and gets result
- User adds to **Quote**, generates **proposal**, places an **order**



Discussion

SAP CPQ – ERP/S4HANA - Integration Architecture

Discussion



* Only required for variant configuration
** Only required for ERP

Thank you.

Contact information:

F name L name

Title

Address

Phone number

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