



E X P I V I

SAP Hybris [v]

Expivi / SAP

Product life cycle proposal

Created by	Siamak Mirzaie
Company	Expivi
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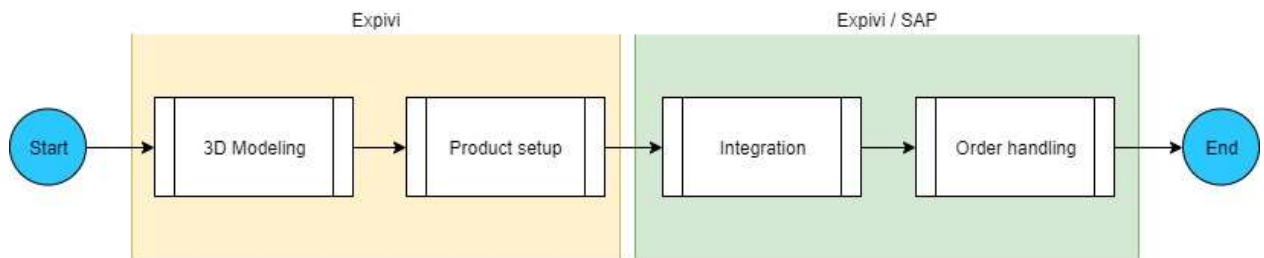
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Overview

This document describes the process to provide an end-to-end solution to the client in order to use Expivi 3D commerce platform in SAP Commerce cloud.

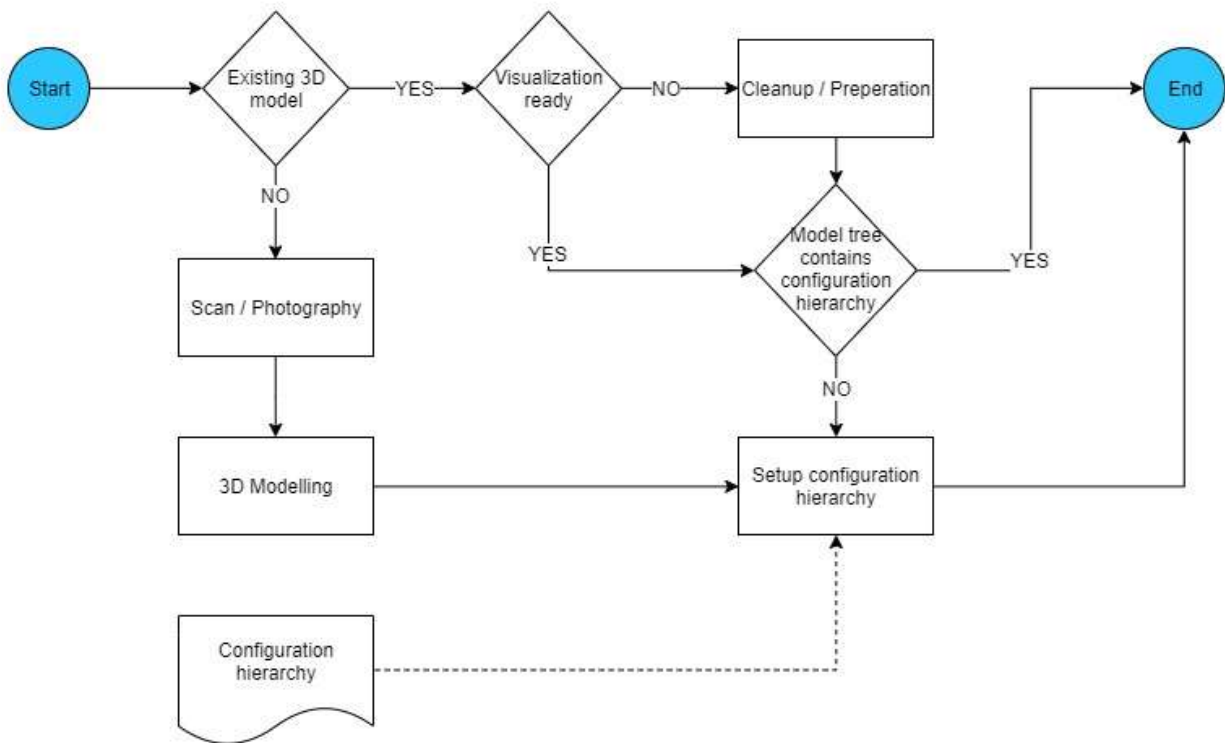
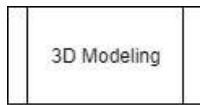
Main process



Every product or customer boarding will need to follow the above process:

- Preparation of the 3D model. **Expivi**
- Setup of 3D product on Expivi and definition of Pricing, BOM, etc. **Expivi**
- Integration into SAP Commerce cloud. **Expivi/SAP**
- Handling of consumer orders from purchase to manufacturing/delivery. **Expivi/SAP**

3D Modeling



3D Model

Often the client has a 3D model of the product before production. Based on the type and quality of the 3D model, cleanup of the model might be required to prepare the model for visualization. This might be the case when the model is drawn in a CAD format.

In case there is no existing 3D model, the model has to be created based on images of the product or based on 3D scanning of physical product.

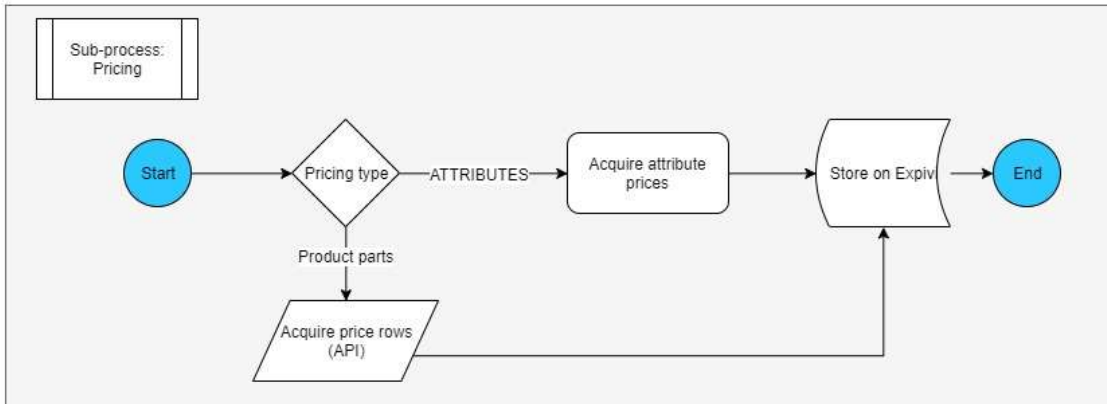
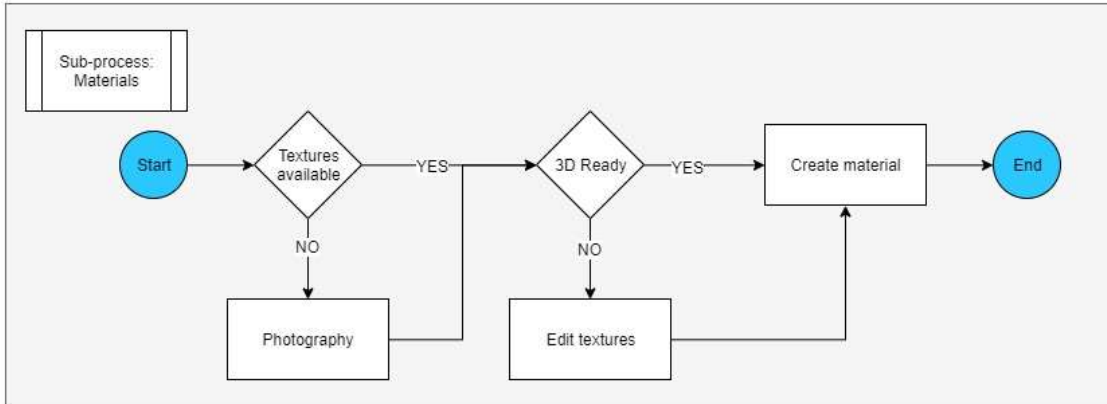
Configuration hierarchy

The client is required to provide a sheet of all possible product attributes. This is in the form of a hierarchy of available attributes/options.

In case of necessity to communicate the BOM (*Bill Of Materials*) each product part also requires an Article id which will be incorporated into the configuration hierarchy.

All of these data can also be incorporated into the workflow of 3D creation such that the provided 3D model would already contain the necessary configuration hierarchy.

Product setup



Materials

The product materials are setup to allow realistic visualization of the product. This requires photography of the textures of the actual product such as fabrics, etc.

Business rules

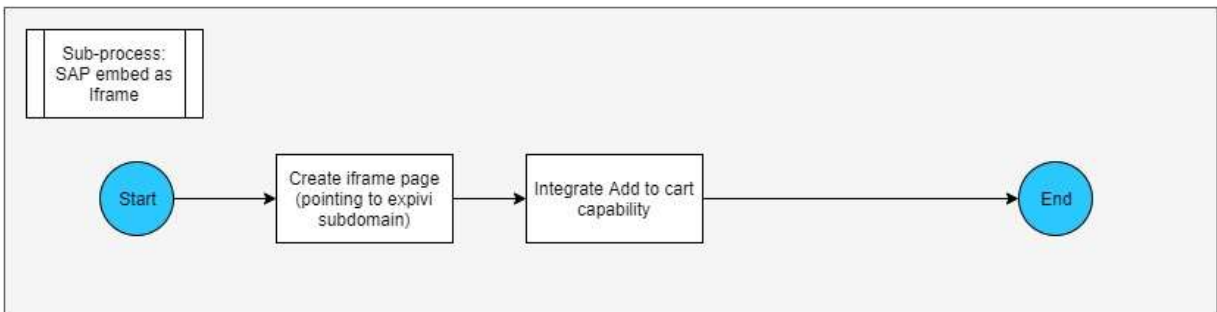
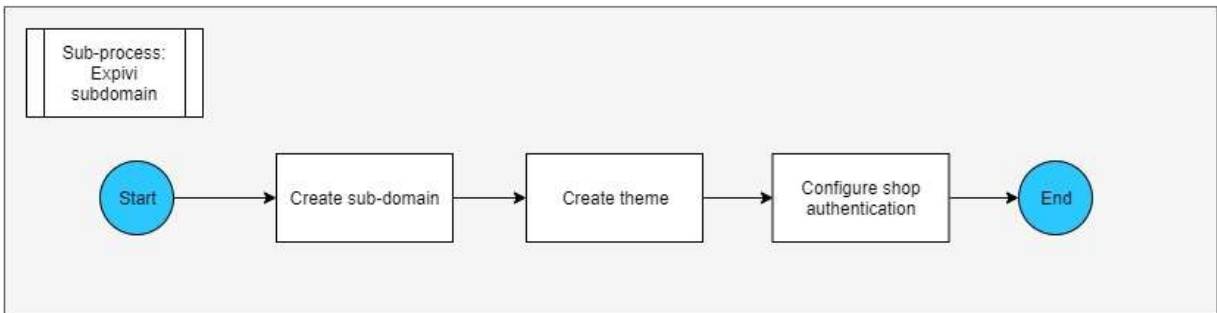
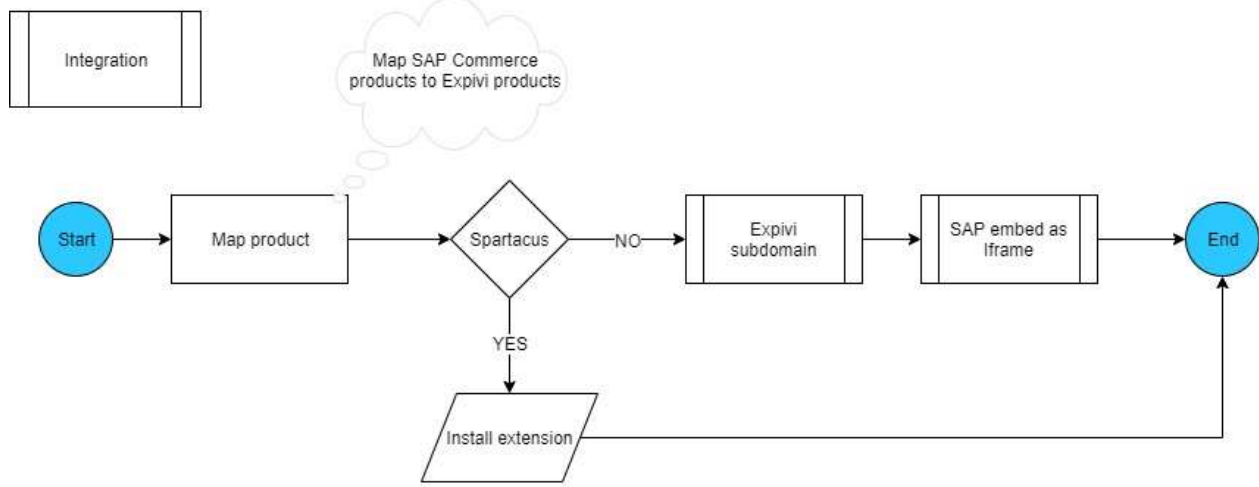
It is recommended to define the business rules during the 3D modeling process along with the attributes definition, such that every relation of the attributes is defined.

Pricing

In case of attribute based pricing, which calculates the prices based on selected attributes (hence each attribute would have an adjustment price), it is recommended to provide the price of each attribute along with the attributes definition during 3D modeling process.

For Article based pricing where the price is calculated based on the price of each product part, a pricing list is required for each part/article item. This can be acquired automatically from Commerce cloud.

Integration



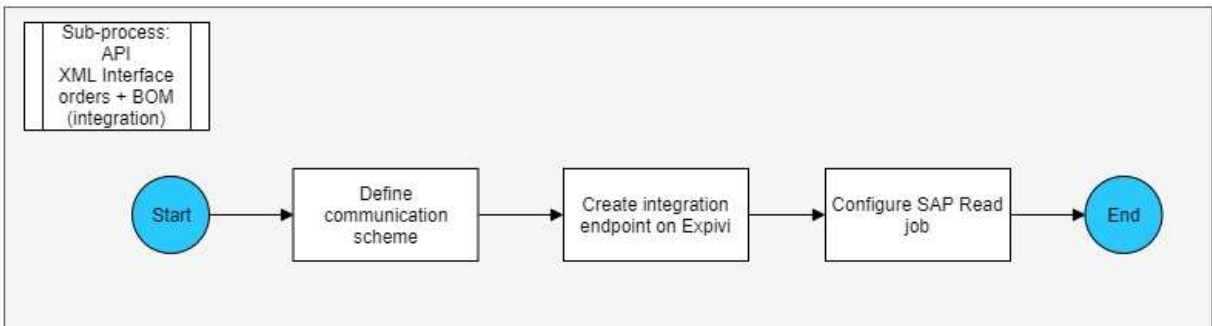
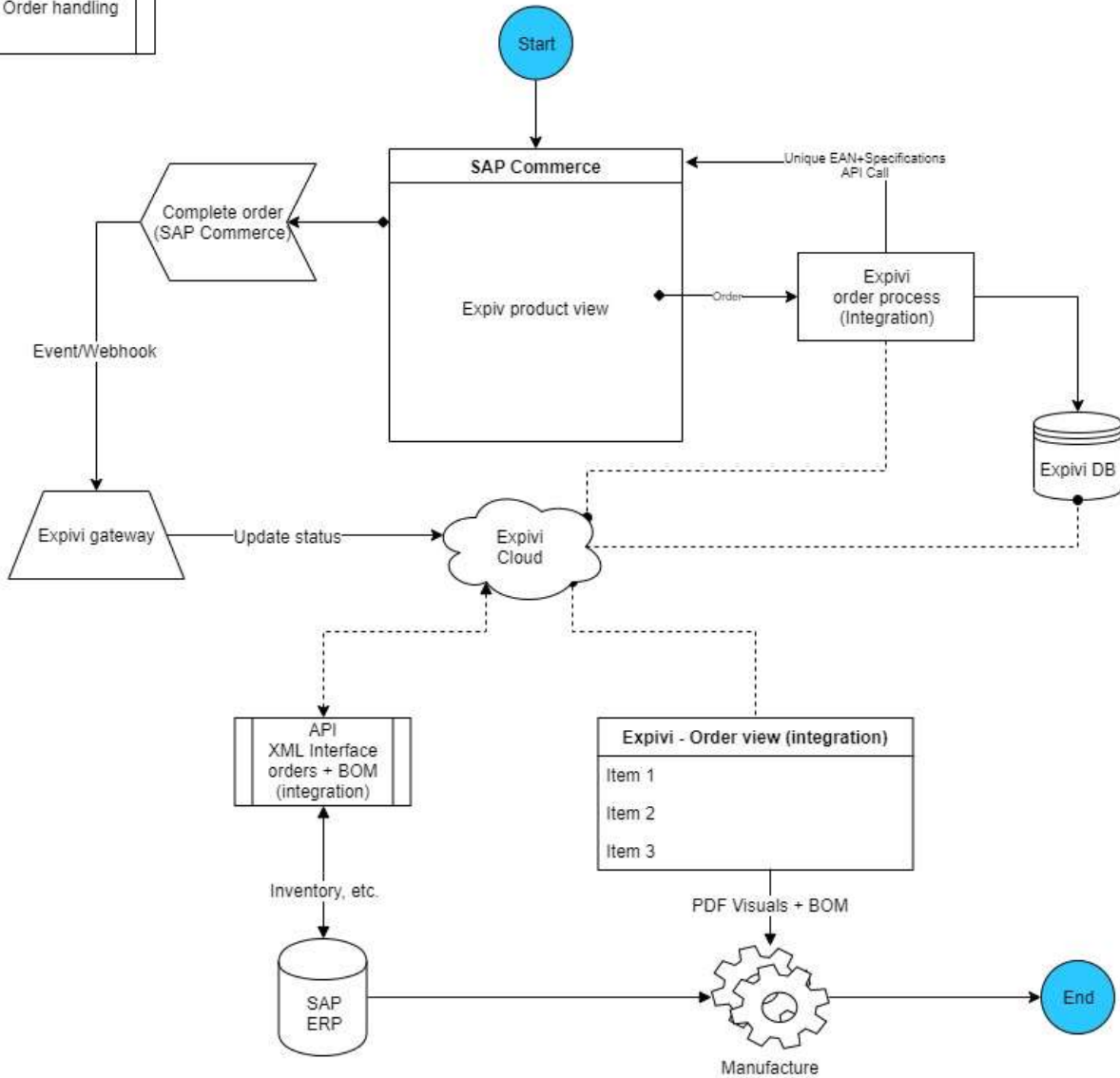
Product mapping

An extension is required to be built on Expivi, to provide an interface within its admin panel, to allow listing and mapping of SAP Commerce products to Expivi.

This will allow providing of correct product code, etc. for the add to cart functionality.

Also in the case of Spartacus integration, Expivi extension will know when to inject its 3D configurator into the product page based on the mapping.

Order handling



Order processing

Upon add to cart via Expivi configurator, the order will be saved along with a detailed article list on Expivi cloud. This will trigger the addition of the order also to the cart of SAP Commerce.

The order placement will next continue to takes place on SAP Commerce. Upon order completion Expivi is notified (through a webhook) of the order status to also update its order line.

Article list (BOM) communication

In case the BOM is required by the ERP system. An XML scheme needs to be defined for SAP Connector which describes the format of the BOM. This will require a custom integration for every customer/product to set an endpoint on Expivi with corresponding XML scheme response.