

Product ordering API0

Product Ordering API manages the following Data resources:

- **Product order**

- Main Product Order attributes are

- Id: ID created on repository side (OM system)
 - Href: Hyperlink to access the order
 - External ID: ID given by the consumer and only understandable by him (to facilitate his searches afterwards)
 - State: State of the order
 - Priority: A way that can be used by consumers to prioritize orders in OM system (from 0 to 4 : 0 is the highest priority, and 4 the lowest)
 - Category: Used to categorize the order from a business perspective that can be useful for the OM system (e.g. "enterprise", "residential", ...)
 - Order Date: Date when the order was created
 - Requested Start Date: Order start date wished by the requestor
 - Completion Date: Date when the order was completed
 - Requested Completion Date: Requested delivery date from the requestor perspective
 - Expected Completion Date: Expected delivery date amended by the provider
 - Notification Contact: Contact attached to the order to send back information regarding this order
 - Note: Extra-information about the order (e.g. useful to add extra delivery information that could be useful for a human process: a digicode access to a building ...)
 - Billing Account: Billing Account to use to bill the ordered products
 - Related Party: Parties which are involved in this order and the role they are playing
 - Order Item: List of order items that have to be treated

- **Order item**

- Main Product Order attributes are

- Id: Identifier of the line item (generally it is a sequence number 01, 02, 03, ...)
 - ActionCan be "add" / "modify" / "no_change"/ "delete"
 - StateState of the order item
 - Place: Used to defined a place useful for the order item (for example a delivery geographical place)
 - Appointment: Used to precise that an appointment was set up with a related party for this order item
 - Product Offering :Ordered offering (pricing, default values, etc. are fetched by the OM directly from the catalog)
 - It may be a bundle Product Offering, in this case it will contain the list of bundled offers that are ordered
 - Product: Configure the product characteristics (only configurable characteristics and necessary only if a non-default value is selected) and/or identify the product that needs to be modified/deleted. Product attributes are:
 - Id: Identifier of the owned product (useful for delete or modify command)
 - Href: Reference to the owned product (useful for delete or modify command)
 - Product Characteristics: Characteristics of the product to instantiate or to modify
 - Product Relationship: Linked products to the one instantiated, it can be :
 - "bundled" if the product is a bundle and you want to describe the "bundled" products inside this bundle
 - "reliesOn" if the product needs another already owned product to rely on (e.g. an option on an already owned mobile access product)
 - "targets" or "isTargeted" (depending on the way of expressing the link) for any other kind of links that may be useful
 - Related Party: Party linked at the product level (it may be a User for example)