

Example webservice

# SAP setOrder v1.0.2 (e-commerce / SAP S4HANA / Interface Specification)

This web service will create an order in SAP. Order information like customer, address and products will be sent. If all data is validated by SAP, an order ID is returned.

## Intended usage

This service is used whenever an order is created in an eCommerce platform. This is generally done regardless of the payment status.

## Request

Field name	Description	Data type	Required	Example value	Usage remarks	Other requirements
request_id	Uniquely alphanumeric string of length 13		yes	1234567890123		The specified value must be used in the response
version	Web service version		yes	1		
website	Website code as is used in Magento		yes	base		
sales_organization	SAP sales organization		yes	0010		
distribution_channel	SAP distribution channel		yes	10		
division	SAP division		yes	10		
billing_address_id	The billing address identifier		no	1111	Used in Business to Business scenarios	

order_reference_number	Customer purchase order number		no			
order_comment	Comments		no			
language	Language code		no	nl		ISO 639-1
customer_id	SAP customer ID		no	0000049776	When the customer_id is left empty a one time customer sales order is generated	
contact_id	SAP contact id		no	0000026684		
shipping_address_id	Shipping address identifier		yes	3423	Used in Business to Business scenarios	
payment_method	Debit card Credit card Cash on Delivery invoice		yes	invoice		
shipping_method	1 = Pickup 2 = Next day Delivery 3 = Express delivery (Courier)		yes	2		
req_delivery_date	Requested delivery date		no	15-12-2016		Format: dd-mm-yyyy
billing_address	See billing address structure		no		Use only in a one time customer condition	

shipping_address	See shipping address structure		no		Use only in a one time customer condition	
conditions	See conditions structure					
materials	Parent node		yes			
material	See product structure		yes			
set_payment	Parent node					
payment_reference_id	The payment reference ID from the PSP		no	8756123975846351		
paid_amount	The amount paid		no	199		
currency	The currency used for payment		no	EUR		ISO 4217

## Billing address

Field name	Description	Data type	Required	Example value	Usage remarks	Other requirements
first_name	First name		yes	Jane		
last_name1	Last name		yes	Doe		
last_name2	Last name extension		no	Pierson		
language	Language code		no	nl		ISO 639-1
address_line_1	Address line 1		yes	Somewherestreet		
address_line_2	Address line 2		no	plant district		
address_line_3	Address line 3		no			
house_number	House number		no	12A		
city	City		yes	New York		
zipcode	zipcode		yes	1234aa		
po_box	Post Order box		no			
region	Region		no			
country	Country		yes	US		ISO 3166-1 alpha-2  <a href="https://en.wikipedia.org/wiki/List_of_ISO_3166_country_codes">https://en.wikipedia.org/wiki/List_of_ISO_3166_country_codes</a>
phone_number	Telephone number		no			
email	E-mail address		no	jane@doe.com		

## Shipping address

Field name	Description	Data type	Required	Example value	Usage remarks	Other requirements
first_name	First name		yes	Jane		
last_name1	Last name		yes	Doe		
last_name2	Last name extension		no	Pierson		
language	Language code		no	nl		ISO 639-1
address_line_1	Address line 1		yes	Somwherestreet		
address_line_2	Address line 2		no	plant district		
address_line_3	Address line 3		no			
house_number	House numer		no	12A		
city	City		yes	New York		
zipcode	zipcode		yes	1234aa		
po_box	Post Order box		no			
region	Region		no			
country	Country		yes	US		ISO 3166-1 alpha-2 <a href="https://en.wikipedia.org/wiki/List_of_ISO_3166_country_codes">https://en.wikipedia.org/wiki/List_of_ISO_3166_country_codes</a>
phone_number	Telephone number		no			
email	E-mail address		no	jane@doe.com		

## Condition

Field name	Description	Data type	Required	Example value	Usage remarks	Other requirements
type	Condition type					
value	Value					
currency	The currency		no	EUR		ISO 4217

## Material

Field name	Description	Data type	Required	Example value	Usage remarks	Other requirements
material_number	SAP product material number		yes	130138		
quantity	The quantity of the product in the cart		yes	5		
currency	Currency code		no	EUR	This is generally left empty	ISO 4217
price	Product price		no	129	This is generally left empty as SAP calculates prices	
unit	The unit of the product		no	pcs		

## Response

Field name	Description	Data type	Required	Example value	Usage remarks	Other requirements
request_id	Uniquely alphanumeric string of length 13		yes	1234567890123		The value used here is equal to the request_id field in the request message
version	Web service version		yes	1		
website	Website code as is used in Magento		yes	base		
order_id	SAP order ID		yes	0000268974		
message	Error message		no			
result_code	Result code  0 = success 1 = error		yes	0		

# XSD

## Request

```

<xs:schema attributeFormDefault="unqualified" elementFormDefault="qualified" xmlns:xs="http://www.w3.org/2001/XMLSchema"
xmlns="http://bite3.nl" targetNamespace="http://bite3.nl">
  <xs:element name="set_order_req">
    <xs:complexType>
      <xs:sequence>
        <xs:element type="xs:string" name="request_id" />
        <xs:element type="xs:string" name="version" />
        <xs:element type="xs:string" name="website" />
        <xs:element type="xs:string" name="sales_organization" />
        <xs:element type="xs:string" name="distribution_channel" />
        <xs:element type="xs:string" name="division" />
        <xs:element type="xs:string" name="billing_address_id" minOccurs="0" />
        <xs:element type="xs:string" name="order_reference_number" minOccurs="0" />
        <xs:element type="xs:string" name="order_comment" minOccurs="0" />
        <xs:element type="xs:string" name="language" minOccurs="0" />
        <xs:element type="xs:string" name="customer_id" />
        <xs:element type="xs:string" name="contact_id" minOccurs="0" />
        <xs:element type="xs:string" name="shipping_address_id" minOccurs="0" />
        <xs:element type="xs:string" name="payment_method" />
        <xs:element type="xs:string" name="shipping_method" />
        <xs:element type="xs:string" name="req_delivery_date" minOccurs="0" />
        <xs:element name="billing_address" minOccurs="0">
          <xs:complexType>
            <xs:sequence>
              <xs:element type="xs:string" name="first_name" />
              <xs:element type="xs:string" name="last_name1" />
              <xs:element type="xs:string" name="last_name2" />
              <xs:element type="xs:string" name="language" />
              <xs:element type="xs:string" name="address_line_1" />
              <xs:element type="xs:string" name="address_line_2" minOccurs="0" />
              <xs:element type="xs:string" name="address_line_3" minOccurs="0" />
              <xs:element type="xs:string" name="house_number" minOccurs="0" />
              <xs:element type="xs:string" name="city" />
              <xs:element type="xs:string" name="zipcode" />
              <xs:element type="xs:string" name="po_box" minOccurs="0" />
              <xs:element type="xs:string" name="region" />
              <xs:element type="xs:string" name="country" />
              <xs:element type="xs:string" name="phone_number" minOccurs="0" />
              <xs:element type="xs:string" name="email" />
            </xs:sequence>
          </xs:complexType>
        </xs:element>
        <xs:element name="shipping_address" minOccurs="0">
          <xs:complexType>
            <xs:sequence>
              <xs:element type="xs:string" name="first_name" />
              <xs:element type="xs:string" name="last_name1" />
              <xs:element type="xs:string" name="last_name2" />
              <xs:element type="xs:string" name="language" />
              <xs:element type="xs:string" name="address_line_1" />
              <xs:element type="xs:string" name="address_line_2" minOccurs="0" />
              <xs:element type="xs:string" name="address_line_3" minOccurs="0" />
              <xs:element type="xs:string" name="house_number" minOccurs="0" />
              <xs:element type="xs:string" name="city" />
              <xs:element type="xs:string" name="zipcode" />
              <xs:element type="xs:string" name="po_box" minOccurs="0" />
              <xs:element type="xs:string" name="region" />
              <xs:element type="xs:string" name="country" />
              <xs:element type="xs:string" name="phone_number" minOccurs="0" />
              <xs:element type="xs:string" name="email" />
            </xs:sequence>
          </xs:complexType>
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        <xs:element name="conditions">
          <xs:complexType>
            <xs:sequence>
              <xs:element name="condition" maxOccurs="unbounded">
                <xs:complexType>
                  <xs:sequence>
                    <xs:element type="xs:string" name="type" minOccurs="0" />
                    <xs:element type="xs:string" name="value" minOccurs="0" />
                    <xs:element type="xs:string" name="currency" minOccurs="0" />
                  </xs:sequence>
                </xs:complexType>
              </xs:element>
            </xs:sequence>
          </xs:complexType>
        </xs:element>
        <xs:element name="materials">
          <xs:complexType>
            <xs:sequence>
              <xs:element name="material" maxOccurs="unbounded">
                <xs:complexType>
                  <xs:sequence>
                    <xs:element type="xs:string" name="material_number" />
                    <xs:element type="xs:string" name="quantity" />
                    <xs:element type="xs:string" name="currency" minOccurs="0" />
                    <xs:element type="xs:string" name="price" minOccurs="0" />
                    <xs:element type="xs:string" name="unit" minOccurs="0" />
                  </xs:sequence>
                </xs:complexType>
              </xs:element>
            </xs:sequence>
          </xs:complexType>
        </xs:element>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
</xs:schema>

```



```
        <xs:complexType>
          <xs:element type="xs:string" name="payment_reference_id" minOccurs="0" />
          <xs:element type="xs:string" name="paid_amount" minOccurs="0" />
          <xs:element type="xs:string" name="currency" minOccurs="0" />
        </xs:complexType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
</xs:schema>
```

## Response

```
<xs:schema attributeFormDefault="unqualified" elementFormDefault="qualified" xmlns:xs="http://www.w3.org/2001/XMLSchema"
xmlns="http://bite3.nl" targetNamespace="http://bite3.nl">
  <xs:import namespace="http://schemas.xmlsoap.org/soap/envelope/"
schemaLocation="http://schemas.xmlsoap.org/soap/envelope/" />
  <xs:element name="set_order_rsp">
    <xs:complexType>
      <xs:sequence>
        <xs:element type="xs:string" name="request_id" />
        <xs:element type="xs:string" name="version" />
        <xs:element type="xs:string" name="website" />
        <xs:element type="xs:string" name="order_id" />
        <xs:element type="xs:string" name="message" minOccurs="0" />
        <xs:element type="xs:string" name="result_code" />
      </xs:sequence>
    </xs:complexType>
  </xs:element>
</xs:schema>
```