

API XML Data Format

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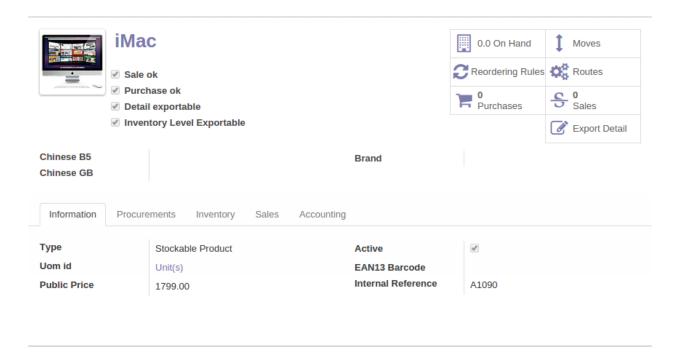
1. Export single product from ERP to ASP

ASP Gateway for Product: Provide configuration for sending data from ERP to ASP

Configuration of ASP Gateway Product:- Go to Setting -> Technical -> Security -> ASP Gateway -> Product



As show in the following image, Product form has a button 'Export Detail' to export it to ASP.



To export particular product from ERP to ASP, user can click on 'Export Detail' button on the Product form.

It will go through ASP gateway and call **<asp-api-method>** API written at ASP side to create product in ASP. **<asp-api-method>** method must accept data with following XML format.



```
<PRODUCT_CHINESE_B5>#</PRODUCT_CHINESE_B5>
<PRICE>#</PRICE>
<EAN13>#</EAN13>
<NOTE_ONE>#</NOTE_ONE>
<NOTE_TWO>#</NOTE_TWO>
<SECURITY_TOKEN>#</SECURITY_TOKEN>
</PRODUCT>
```

String type and default is NULL

Float type as String and default is 0.0

Integer type as String and default is NULL

String type and default is NULL

String type and default is NULL

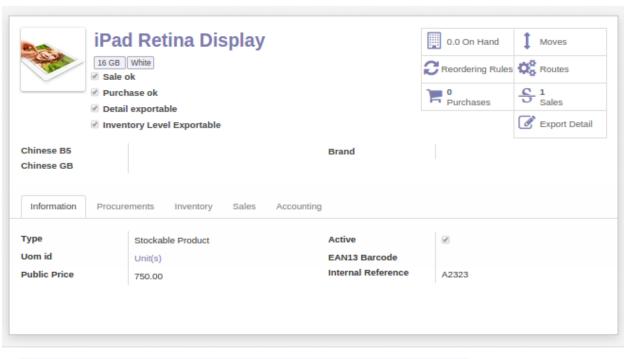
String type and default is NULL

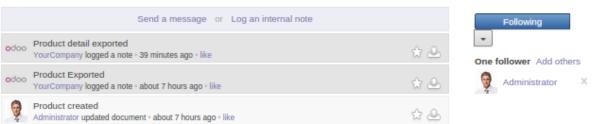
At the end of <asp-api-method> API, ASP can return following XML format.

Success: If product has been created successfully in ASP then ASP can return following XML formate:

<RESPONSE>

Response has been recorded in OpenChatter as shown in below image:





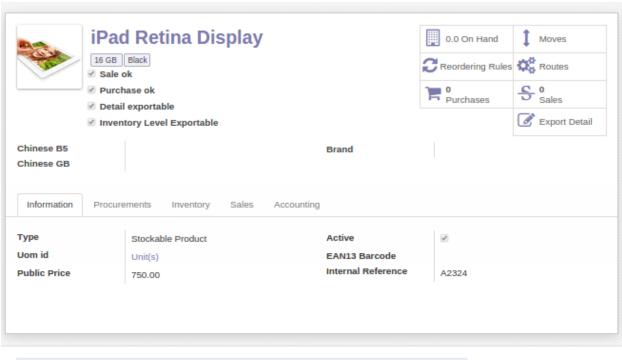


Fail: If any exception has been generated in ASP at the time of creating product, then ASP can return XML format about failure.

<RESPONSE>

Integer type as string and required
String type must type "FAIL" Otherwise Raise Error

Response has been recorded in OpenChatter as shown in below image:







2. Single Product Inventory Level Inquiry from ASP to ERP

You can configure ERP Gateway of Inventory. go to Settings -> Technical -> Security -> ERP Gateway -> Inventory

 Permitted IP
 192.168.1.11

 Security Token
 1234567890

ASP can call **aspToErpInventoryInquery()** API of ERP to know inventory level of particular product. **aspToErpInventoryInquery()** API of ERP can receive data in the following format.

IP of the ASP server will be compared automatically and if it is in the list of permitted IP then aspToErpInventoryInquery() API of ERP will respond with the XML described below.

SUCCESS

FAIL

Return If Security Token / IP not matching with Inventory ERP gateway configuration



```
<ERP PRODUCT QTY>#</ERP PRODUCT QTY>
                                                                    # Integer type as string default 0 or 0.0
        <EAN_13>#</EAN_13>
                                                                    # Integer type as string default False (NULL)
</RESPONSE>
Return If Invalid XML Format
<?xml version='1.0' encoding='UTF-8'?>
<RESPONSE>
        <RESULT>Fail - Invalid xml format for product inventory.</RESULT>
                                                                            # String type must required.
        <ERP_PRODUCT_ID></ERP_PRODUCT_ID>
                                                           # Integer type as string must required.
        <ERP_PRODUCT_QTY></ERP_PRODUCT_QTY>
                                                                    # Integer type as string default 0 or 0.0
        <EAN_13></EAN_13>
                                                           # Integer type as string default False (NULL)
</RESPONSE>
Return If Generate Exception
<?xml version='1.0' encoding='UTF-8'?>
<RESPONSE>
        <RESULT>Fail - Invalid data set in xml format.</RESULT>
                                                                            # String type must required.
        <ERP_PRODUCT_ID></ERP_PRODUCT_ID>
                                                                    # Integer type as string must required.
        <ERP_PRODUCT_QTY></ERP_PRODUCT_QTY>
                                                                    # Integer type as string default 0 or 0.0
        <EAN_13></EAN_13>
                                                                    # Integer type as string default False (NULL)
</RESPONSE>
Return If Invalid Product or EAN13
<?xml version='1.0' encoding='UTF-8'?>
<RESPONSE>
        <RESULT>Product does not exist</RESULT>
                                                           # String type must required.
        <ERP_PRODUCT_ID></ERP_PRODUCT_ID>
                                                           # Integer type as string must required.
        <ERP_PRODUCT_QTY></ERP_PRODUCT_QTY>
                                                                    # Integer type as string default 0 or 0.0
        <EAN_13></EAN_13>
                                                           # Integer type as string default False (NULL)
</RESPONSE>
If Requested Server IP is not match then following XML format return.
<?xml version='1.0' encoding='UTF-8'?>
<RESPONSE>
        <RESULT>Fail - Invalid ERP gateway./RESULT>
                                                                    # String type must required.
</RESPONSE>
```



3. Export Mass Products Inventory Level from ERP to ASP

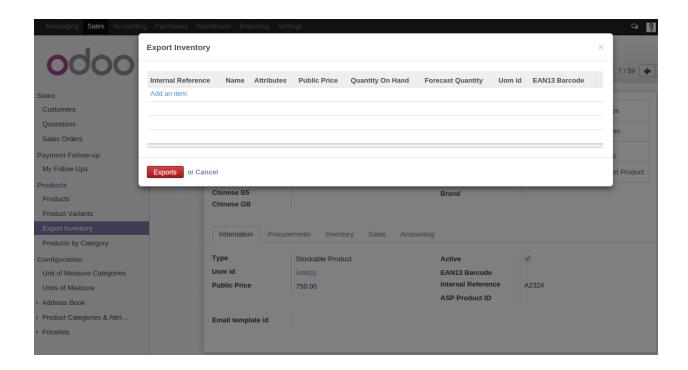
ASP Gateway for Inventory: Provided configuration for sending inventory level from ERP to ASP Server.

You can configure ASP Gateway for Inventory.

Go to Setting -> Technical -> Security -> ASP Gateway -> Inventory

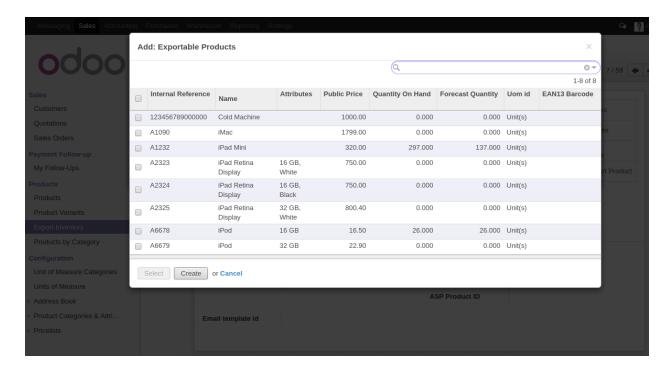


As shown in following image by clicking on Sales -> Products -> Export Inventory menu, it will open a wizard to add product(s) which user want to export. On that wizard you can add products by clicking on 'Add an Item' which will display list of products having 'Inventory Level Exportable' is checked.

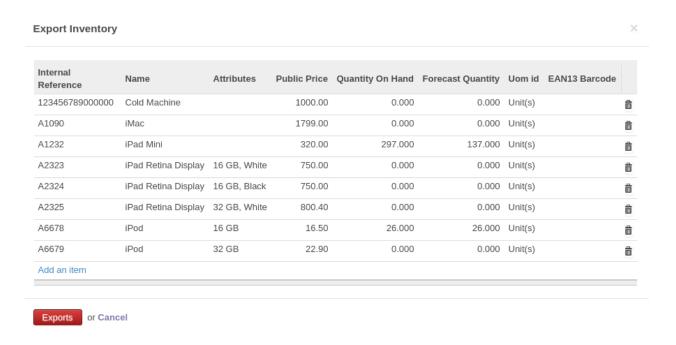




As next image you can see multiple products which you can select to export.



To export multiple product's inventory from ERP to ASP, user can click on "Exports" button on Export Inventory Form.





It will go through ASP gateway and call **<asp-api-method>** API written at ASP side to update product inventory in ASP. **<asp-api-method>** method must accept data with following XML format.

```
<?xml version='1.0' encoding='UTF-8'?>
<FXPORT>
 <TOKEN>#</TOKEN>
                                                       # String type must required
 <NOTE ONE></NOTE ONE>
                                                       # String type default False (NULL)
 <NOTE_TWO></NOTE_TWO>
                                                       # String type default False (NULL)
 <ERP WAREHOUSE ID></ERP WAREHOUSE ID>
                                                       # Integer type as string must required.
 <PRODUCT>
        <ERP_PRODUCT_ID></ERP_PRODUCT_ID>
                                                       # Integer type as string must required.
        <EAN13></EAN13>
                                                       # Integer type as string default False (NULL).
        <PRODUCT_QTY></PRODUCT_QTY>
                                                               # Float Type as string default 0 or 0.0
 </PRODUCT>
 <PRODUCT>
        <ERP_PRODUCT_ID></ERP_PRODUCT_ID>
        <EAN13>False</EAN13>
        <PRODUCT QTY></PRODUCT QTY>
 </PRODUCT>
 <PRODUCT>
        <ERP_PRODUCT_ID></ERP_PRODUCT_ID>
        <EAN13>False</EAN13>
        <PRODUCT_QTY></PRODUCT_QTY>
 </PRODUCT>
</EXPORT>
```

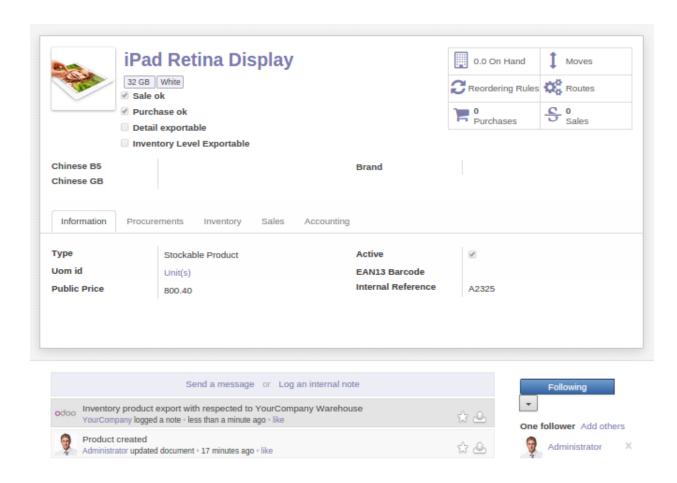
<asp-api-method> ASP method will resolve this XML, check security token and return following XML format as a response to notify ERP about the result generated by ASP.

SUCCESS

Response has been displayed in Product open chatter screen.

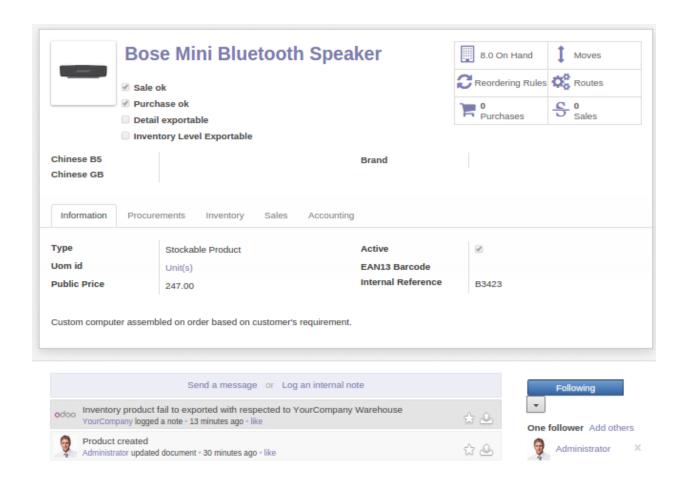


Success Exported Product Inventory message display as below screen.





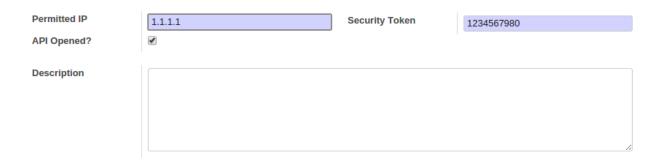
And Fail Exported Product Inventory message display as below screen.





4. Create Sale Quotation from ASP to ERP.

ASP can create Sale Quotation in ERP from ASP by passing through ERP Gateway of Sale Order. Such configuration can be done from Settings -> Technical -> Security -> ERP Gateway -> Sale Order menu.



ASP can call createQuotation() API of ERP. This API can accept XML format shown in below.

```
<SALE ORDER>
  <SECURITY_TOKEN></SECURITY_TOKEN>
                                                        # String type must required.
  <PARTNER ID></PARTNER ID>
                                                        # Integer type as string must required.
  <ERP_WAREHOUSE_ID></ERP_WAREHOUSE_ID>
                                                        # Integer type as string must required.
  <ORDER POLICY></ORDER POLICY>
                                                        # String type must required. check below notes.
  <PICKING_POLICY></PICKING_POLICY>
                                                        # String type must required. check below notes.
  <PRICELIST ID></PRICELIST ID>
                                                        # Integer type as string must required.
  <REFERENCE></REFERENCE>
                                                        # String type as string. default blank.
  <CHANNEL_ID></CHANNEL_ID>
                                                        # Integer type as string default blank.
  <SOURCE ID></SOURCE ID>
                                                        # Integer type as string default blank.
  <FISCAL_POSITION_ID></FISCAL_POSITION_ID>
                                                        # Integer type as string default blank.
  <TAG_IDS></TAG_IDS>
                                                # Integer types as string multi ids with , sign default blank.
  <INVOICE_TYPE></INVOICE_TYPE>
                                                                # Integer type as string default blank.
  <ORDER LINE>
        <ERP_PRODUCT_ID></ERP_PRODUCT_ID>
                                                        # Integer type as string must required.
        <DESCRIPTION></DESCRIPTION>
                                                        # String type. default blank.
        <PRODUCT_UOM_ID></PRODUCT_UOM_ID>
                                                                # Integer type as string default blank.
        <PRICE_UNIT></PRICE_UNIT>
                                                        # Float type as string default blank.
        <QTY></QTY>
                                                        # Integer type as string must required.
        <DISCOUNT_PERCENTAGE>
                                                                # Float type as string default 0.00
  </ORDER LINE>
  <ORDER_LINE>
        <ERP PRODUCT ID></ERP PRODUCT ID>
        <DESCRIPTION> </DESCRIPTION>
        <PRODUCT UOM ID></PRODUCT UOM ID>
        <PRICE_UNIT></PRICE_UNIT>
        <QTY></QTY>
        <DISCOUNT_PERCENTAGE>
```



```
</ORDER_LINE>
</SALE_ORDER>
```

IP of the ASP server will be compared automatically and if it is in the list of permitted IP then **createQuotation()** API of ERP will respond with the XML described below.

Notes :-

1) < ORDER POLICY> manual < / ORDER POLICY>

There are three options in ERP.

1) On Demand (Default)

Pass value in XML is manual

2) On Delivery Order

Pass value in XML is picking

3) Before Delivery

Pass value in XML is prepaid

2) <PICKING_POLICY>direct</PICKING_POLICY> (Required)

There are two options in ERP.

1) Deliver each Product when available. (Default)

Pass value in XML is direct

2) Deliver all products at once. -> one

Pass value in XML is one

ERP will send response to ASP with following XML format.

If Requested Server IP is not match then following XML format return.

Success



Fail

```
Return If invalid XML format.
<?xml version='1.0' encoding='UTF-8'?>
<RESPONSE>
        <RESULT>Fail - Invalid xml format.</RESULT>
                                                           # String type.
        <ERP_SALE_ORDER_ID></ERP_SALE_ORDER_ID>
                                                           # Blank as NULL.
</RESPONSE>
Return If Security Token not matching with Sale Order ERP gateway
<?xml version='1.0' encoding='UTF-8'?>
<RESPONSE>
        <RESULT>Fail - Invalid ERP gateway for sale order</RESULT>
                                                                           # String type.
        <ERP_SALE_ORDER_ID></ERP_SALE_ORDER_ID>
                                                                            # Blank as NULL..
</RESPONSE>
```