



## RECENT POSTS

---

[Creating security groups in Odoo](#)

---

[Installing Odoo 9 on Ubuntu 16.04](#)

---

[Updating your Odoo from Github](#)

---

[Create and manage Odoo databases with ERPpeek or XML-RPC](#)

---

[Installing Odoo 9 enterprise on Ubuntu 14.04](#)

## SUBSCRIBE TO BLOG VIA EMAIL

Enter your email address to subscribe to this blog and receive notifications of new posts by email.

Email Address

SUBSCRIBE

## CATEGORIES

Automated actions

Buttons

Chat

Data

Github

many2many

Odoo 8

Odoo 9

Reports

Security

Translations

Uncategorized

ARCHIVES

August 2016

April 2016

February 2016

January 2016

November 2015

October 2015

September 2015

August 2015



July 2015

June 2015

May 2015

April 2015

March 2015

February 2015

December 2014





# Xpath expressions in Odoo 8



APRIL 10, 2015



YENTHE666

Hi guys,

In this tutorial I will learn you how to use xpath expressions. Xpath expressions give you the ability to add new pages, groups, fields, ... to an already existing view. When you inherit a currently existing view in a module and want to extend it you will absolutely need xpath expressions. In this sample I will add new pages, groups and fields to the view under sales > products.

**Tip:**view my [sample xpath module](#).

## 1. Create new fields

The first step is to create new fields inside your model. For example:

```
1 # -*- coding: utf-8 -*-
2
3 from openerp import models, fields
4
5 class on_change_function(models.Model):
6     #Inheritis the model product.template
7     _inherit = 'product.template'
```

```
8      #Creates two new fields (CostP
9      CostPrice = fields.Float('Buy
10     ShippingCost = fields.Float('S
11     FieldAfterGroup = fields.Char(
12     FieldNewPage = fields.Char(str
```

## 2. Inherit existing view

When you've created your fields you need to show them. In this example I will inherit the view from the product module which is showed under sales > products. You can reference another view with the `ref=""` tag. The first step is to find the name of the view you want and then adding the module name in front of it. For example:

```
1 <record id="view_product_form_inher
2   <field name="name">product.templ
3   <field name="model">product.templ
4   <field name="inherit_id" ref="pro
```

This now links to the product module to the view `product_template_form_view` (which you can find in `product_view.xml` under the product module). After we've inherited the view we can add the xpath expressions.

## 3. Xpath expressions

xpath expressions are basically paths to the page / group / field inside the view that you've inherited and are always built in the same way. Something along these lines:

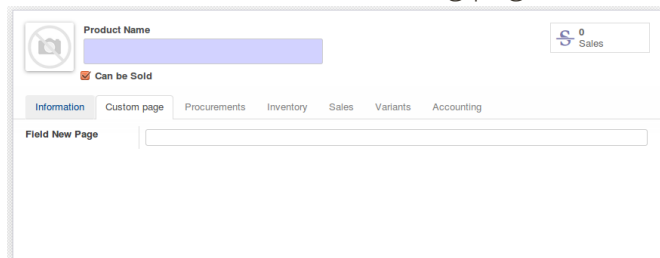
```
1 <xpath expr="//element[@string='Ele
```

Since the syntax is always a bit different I will simply give an example of each. The idea is to give the name from the page / group / field / .. so that Odoo can find the correct location to insert your new fields.

### 3.1 XPATH PAGE

```
1 <xpath expr="//page[@string='Inform
2   <page name="Sample" string="Custo
3     <group>
4       <field name="FieldNewPage"/>
5     </group>
6   </page>
7 </xpath>
```

This code will create a new page after the currently existing page named 'Information'. The new page will be named 'Custom page' and will show the field FieldNewPage. Which will result in the following page:

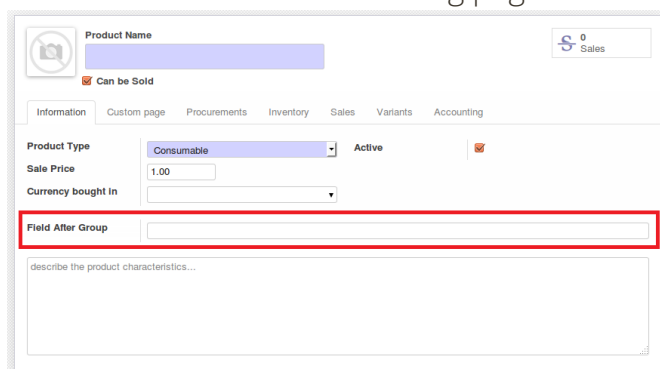


The screenshot shows the Odoo product form interface. At the top, there's a 'Product Name' field and a 'Can be Sold' checkbox. Below this is a tabbed interface with tabs for 'Information', 'Custom page', 'Procurements', 'Inventory', 'Sales', 'Variants', and 'Accounting'. The 'Custom page' tab is selected, showing a single text input field labeled 'Field New Page'.

### 3.2 XPATH GROUP

```
1 <xpath expr="//page[@string='Inform
2   <group>
3     <field name="FieldAfterGroup"/>
4   </group>
5 </xpath>
```

This code will create a new group after the group, inside the page with as title 'Information' and will show the field 'FieldAfterGroup' in it. Which will result in the following page:



The screenshot shows the Odoo product form interface. The 'Information' tab is selected, displaying various product details like 'Product Type' (Consumable), 'Sale Price' (1.00), and 'Currency bought in'. A new group, labeled 'Field After Group', has been added below the existing fields and is highlighted with a red rectangle. This group contains a text input field. Below the group, there is a larger text area labeled 'describe the product characteristics...'.

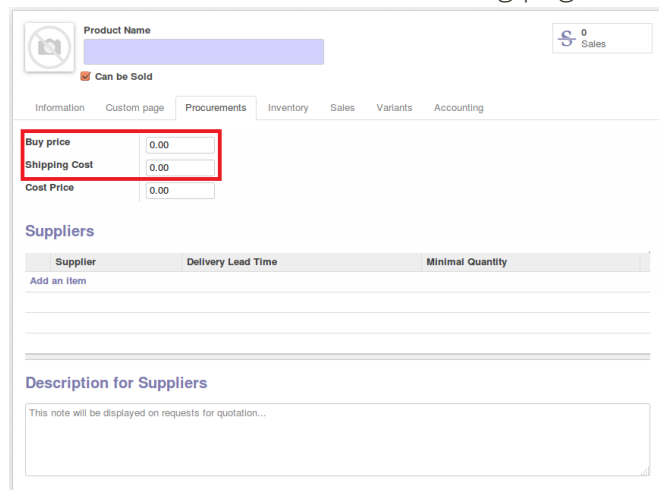
### 3.3 XPATH FIELDS

```
1 <xpath expr="//field[@name='standard_price']>
2   <field name="CostPrice" on_change="on_change_cost_price" />
3   <field name="ShippingCost" on_change="on_change_shipping_cost" />
4 </xpath>
```

This code will show the fields 'CostPrice' and 'ShippingCost' after the field 'standard\_price'.

This is by far the easiest xpath expression and in usual cases this will work just fine.

This code will result in the following page:





The screenshot shows the Odoo 8 Procurement form. At the top, there is a 'Product Name' field and a 'Can be Sold' checkbox. Below this, there are tabs for 'Information', 'Custom page', 'Procurements', 'Inventory', 'Sales', 'Variants', and 'Accounting'. The 'Procurements' tab is active. In the 'Procurements' section, there are three input fields: 'Buy price' (0.00), 'Shipping Cost' (0.00), and 'Cost Price' (0.00). The 'Buy price' and 'Shipping Cost' fields are highlighted with a red box. Below this, there is a 'Suppliers' section with a table showing 'Supplier', 'Delivery Lead Time', and 'Minimal Quantity'. There is an 'Add an Item' button. At the bottom, there is a 'Description for Suppliers' section with a text area.

**Tip:** there are three options for the position tag:

```
1 <xpath expr="//field[@name='standard_price']>
2 <xpath expr="//field[@name='standard_price']/>
3 <xpath expr="//field[@name='standard_price']/>
```


These are the most used xpath expressions but there are many more, as you can see in the [source code of Odoo](#).

xpath is very powerfull and has a lot of options but sadly there is barely any documentation about it. I've created a [sample module](#) which you can view on my [Github account](#).





---

**Share this:**

 Share

---

**Like this:**

 Like 

One blogger likes this.

**EXPR**    **XPATH**

## 12 thoughts on “Xpath expressions in Odoo 8”



**Chhatrapal**

Hi very helpful tutorial...

 **REPLY**

 **JUNE 1, 2015 AT 08:22**



**Yenthe666**

Thank you Chhatrapal!

 **REPLY**





JUNE 1, 2015 AT 08:33

**Yenthe666**

Hi Carlos,

No problem! I'm happy to hear this helped you 😊 Thanks for the feedback!



REPLY



AUGUST 21, 2015 AT 10:01

**tuyenvn**

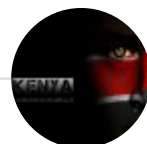
nice, it is helpful for me.



REPLY



OCTOBER 10, 2015 AT 03:55

**Denis**

Hi, very helpful read on xpath expressions.

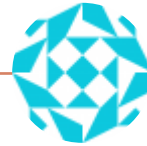
Is it possible to use xpath expressions on smart buttons e.g. on the customer form? I would like to add a balance field as part of the

smart buttons on the partner  
base.view\_partner\_form. Here is a sample of  
my code

Balance  
res.partner

↩ REPLY

📅 MARCH 31, 2016 AT 09:57



**Yenthe666**

Hi Denis,

Thanks a lot! Yep, you can do xpaths on  
about anything in Odoo, including Smart  
Buttons. Just do an xpath on the button  
or the header, whatever works best for  
you!

↩ REPLY

📅 APRIL 7, 2016 AT 18:03



**Alain Egho**

Any idea how to add meta tag with xpath in first occurrence ?

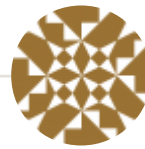
<meta .....



REPLY



APRIL 8, 2016 AT 08:24



**me**

thank u



REPLY



JUNE 1, 2016 AT 14:18



**Ray Carnes**

You have GREAT tutorials Yenthe! Thanks!



REPLY



AUGUST 9, 2016 AT 04:40



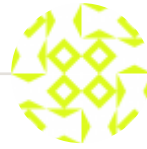
**Yenthe666**

Thanks for the feedback Ray! Happy you

like them.

↩ REPLY

📅 AUGUST 9, 2016 AT 11:56



**Martin Brehmer**

A very good article about the usage of XPath in odoo.

But there is one thing that might lead to misunderstandings. XPath is not just a part of odoo. It is part of XML, so it is of course documented. Not by odoo, but by the World Wide Web Consortium (W3C).

A good starting point to get deeper into the power of XPath is the w3school:

[http://www.w3schools.com/xsl/xpath\\_intro.asp](http://www.w3schools.com/xsl/xpath_intro.asp)

↩ REPLY

📅 AUGUST 31, 2016 AT 16:27




**Yenthe666**

Hi Martin,

Thanks a lot! You're right that it is from W3C and worldwide. I'll add this in my post soon.

 **REPLY**

 **AUGUST 31, 2016 AT 16:42**

## Leave a Reply

Your email address will not be published.  
Required fields are marked \*

**COMMENT**

**NAME \***

**EMAIL \***

**WEBSITE**

**POST COMMENT**

☐ Notify me of follow-up comments by email.

☐ Notify me of new posts by email.

**PROUDLY POWERED BY WORDPRESS | THEME: FICTIVE BY WORDPRESS.COM.**

