**Overview**

**Intro**

Standard download functionality of APEX Interactive Reports is very simple and supports only basic features, but end user need eye-candy looking reach reports. Therefore report developers are forced to use third-party tools (BI Publisher, Apache FOP). There are problems to build such reports that correct reflect all customizations, because there are no standard way to get prepared dataset from Interactive Report.

APEX\_IR.GET\_REPORT function from APEX-API has only restricted support of IR-feature: compute, aggregate, calculations, highlights are not supported.

The "**GPV Interactive Report to XML**" APEX plugin provided simple access the data getting in IR by end user and save that in XML-format, ready to future processing. This solution is simple to use and don’t required a lot of knowledge of Interactive Report internal.

**Features at a Glance**

These features of Interactive Reports are supported:

* Many features of Interactive Reports are supported:
* Filtering and Sorting
* Control Break
* Highlights
* Computations
* Aggregations
* Simple data types of column (String/Date/Number)
* Column and header alignment

Possibly is to include in XML values of page or application items.

**Found a bug**

If you have found a bug, please send us debug information. To do this, set **Return Data** plugin options to **“Debug Information”.** Try to get your XML data again. You get text file with debug information.

Please send this file to [apex.plugins@outlook.com](mailto:apex.plugins@outlook.com). We will try to fix the error as soon as possible.

**License**

The "GPV Interactive Report to XML" APEX plugin and IR\_TO\_XML package is currently available for use in all personal or commercial projects under both MIT and GPL licenses. This means that you can choose the license that best suits your project and use it accordingly. Both licenses have been included with this software.

**Legal Disclaimer**

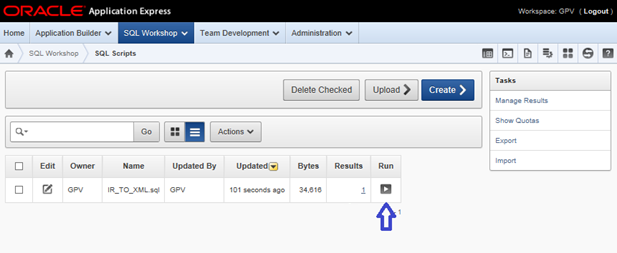
The program(s) and/or file(s) are supplied as is. The author disclaims all warranties, expressed or implied, including, without limitation, the warranties of merchantability and of fitness for any purpose. The author assumes no liability for damages, direct or consequential, which may result from the use of these program(s) and/or file(s).

**Installation and Configuration**

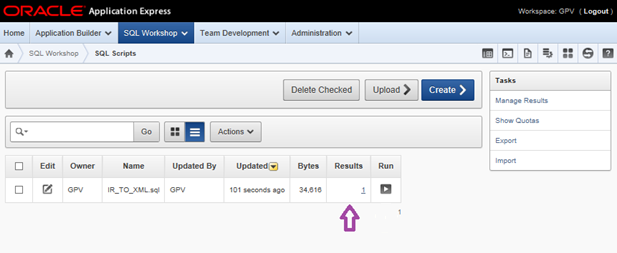
**Installation**

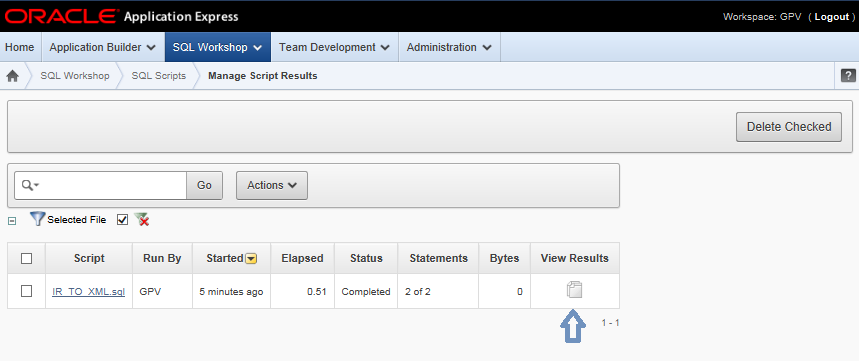
**Install required package**

This plugin requires IR\_TO\_XML package. To install this package navigate to the “SQL-Workschop > SQL-Scripts”. Upload file **IR\_TO\_XML.sql**.

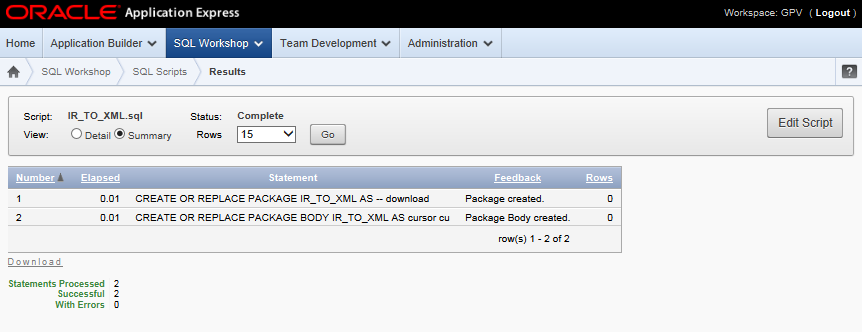


This script will be created IR\_TO\_XML package. Run this script by pressing Run-icon.





After execution take a look at executions results. At first open “*Manage Script Results*” tab by pressing on link on **Results** column.



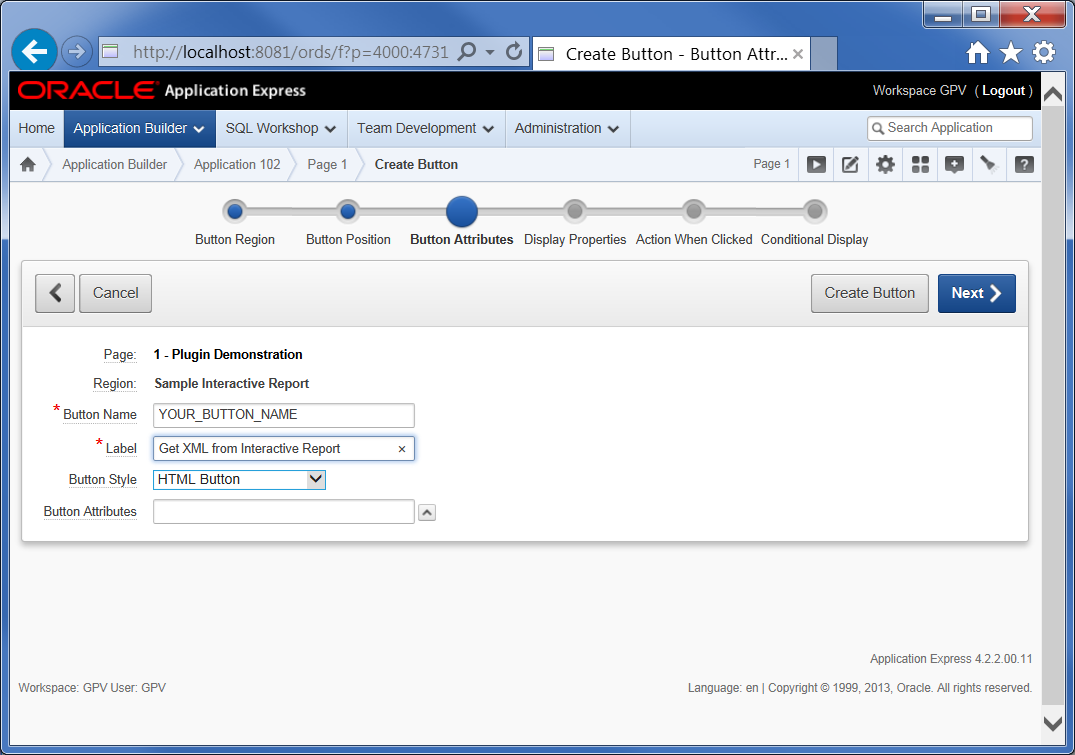
There must be no errors.

**Install plugin**

Navigate to “*Shared Components > Plug-ins*” and click **Import >**. From there you can follow the menu to upload plugin-file “**process\_type\_plugin\_gpv\_ir\_xml.sql**” and install the plug-in using the file above.

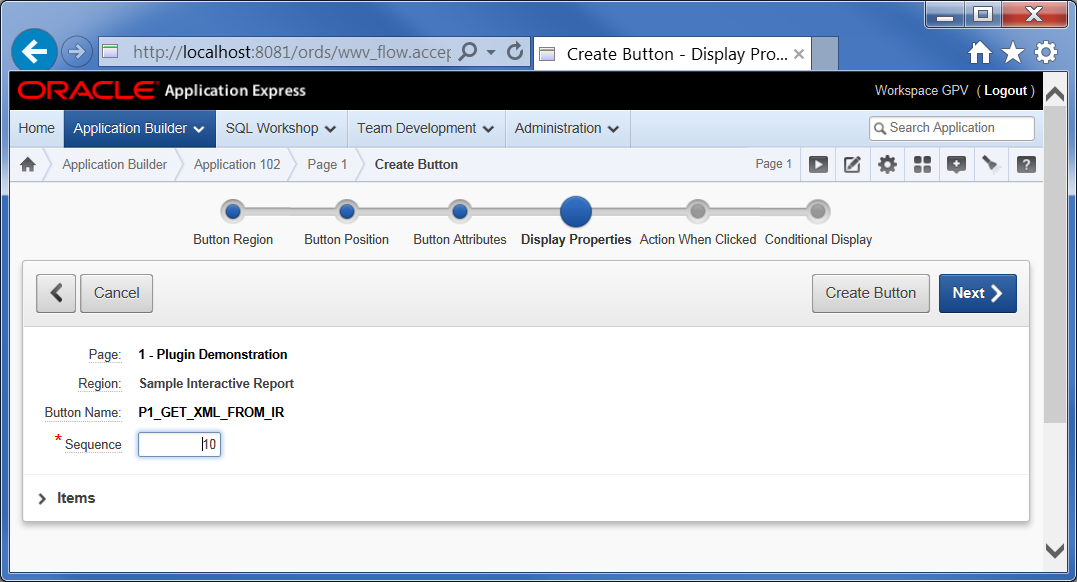
**Using in your application**

1. First you must create button that will be started plugin.

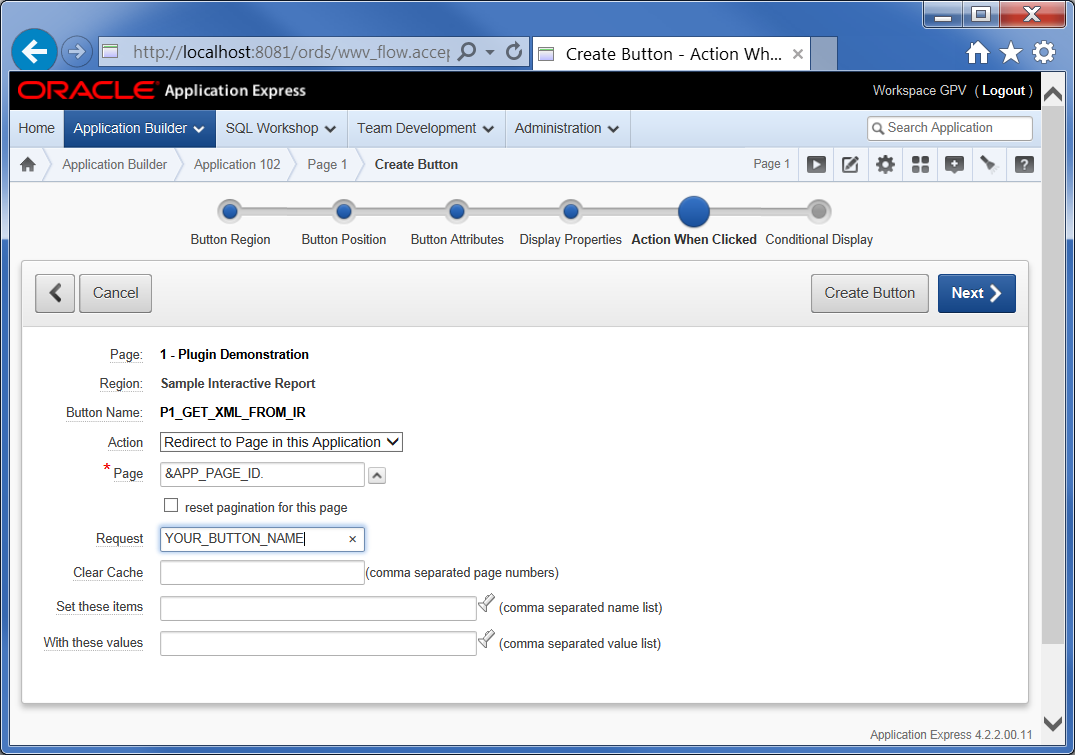


Enter “*Button name*” and “*Label*”.

**Please note the name you given; this will be used in the future.**



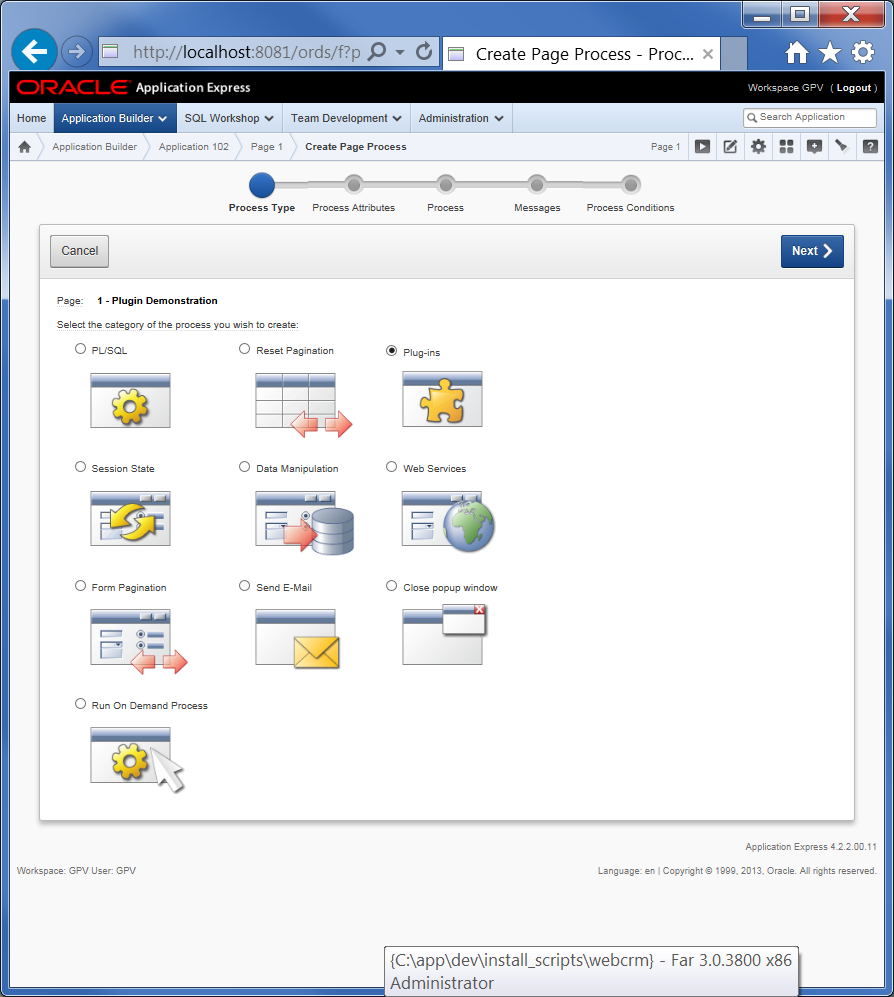
Press “**Next**”.



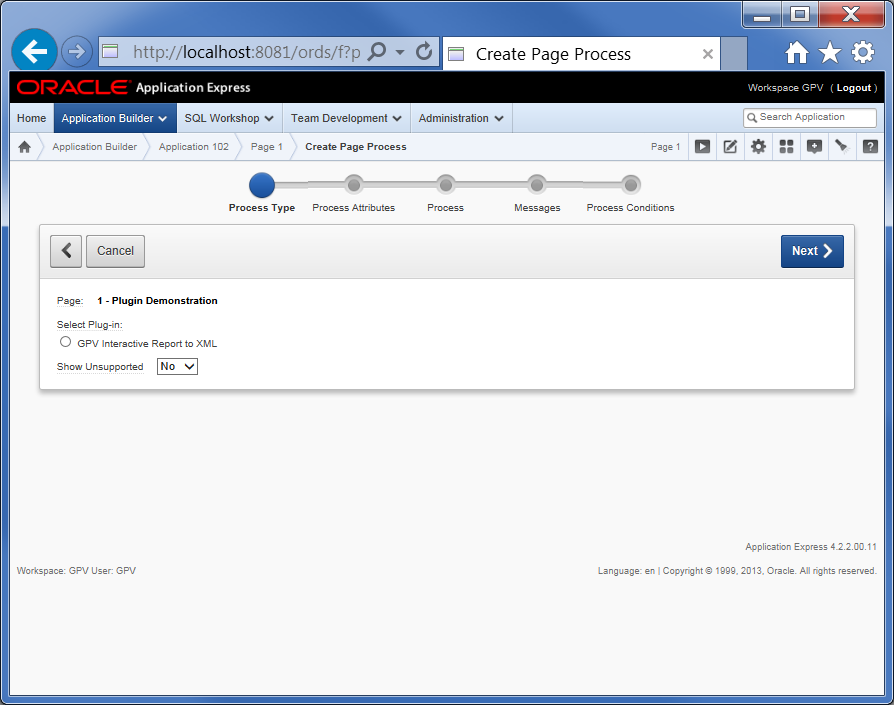
Enter **&APP\_PAGE\_ID.** In field “*Page*”.

Set “*Request*” : **name of the button** given on step 1.

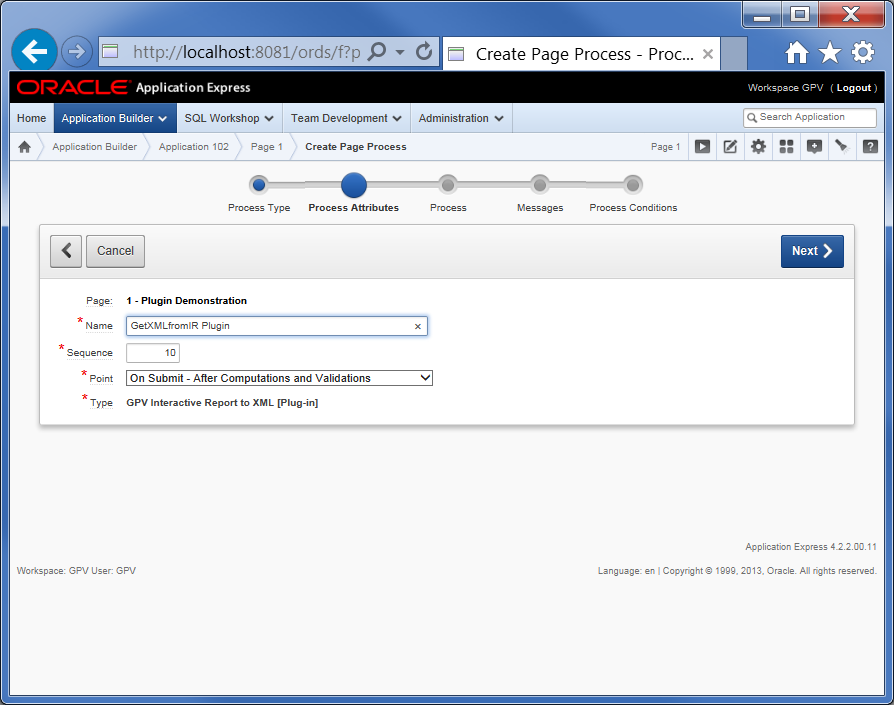
1. Second create “*On Load - Before Header*” process with type “**Plug-Ins**”.



Select Process Type “**Plug-ins”**.

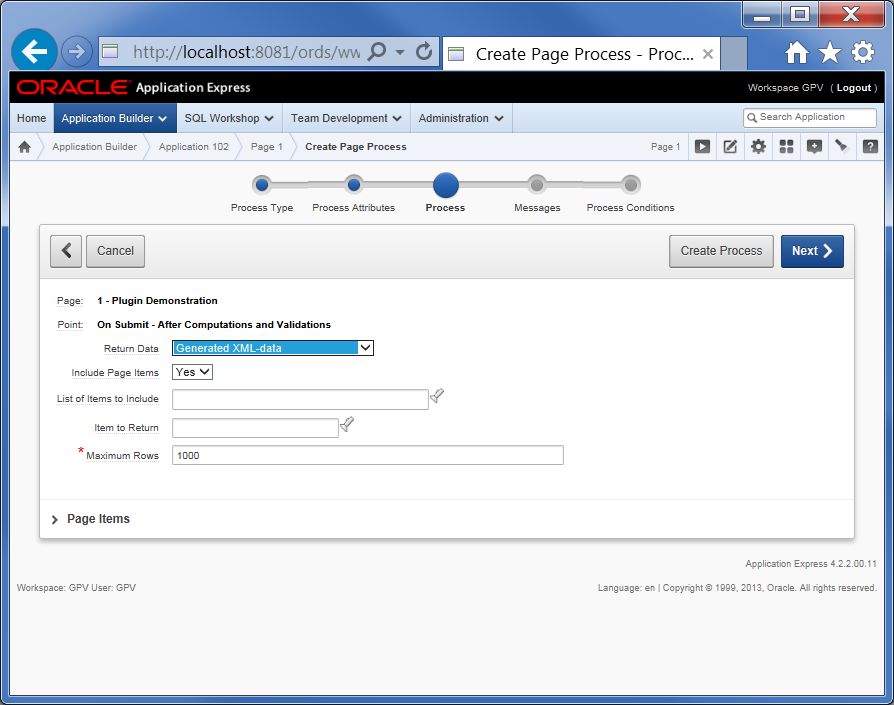


Select “**GPV Interactive Report to XML”**.

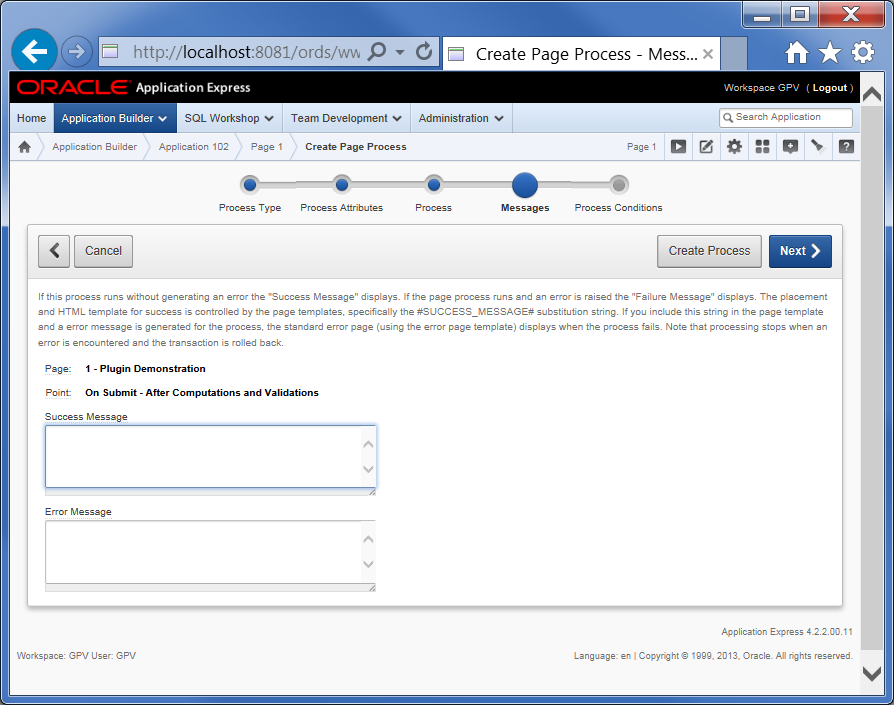


Give plugin a name (for example “*GetXMLfromIR Plugin*”).

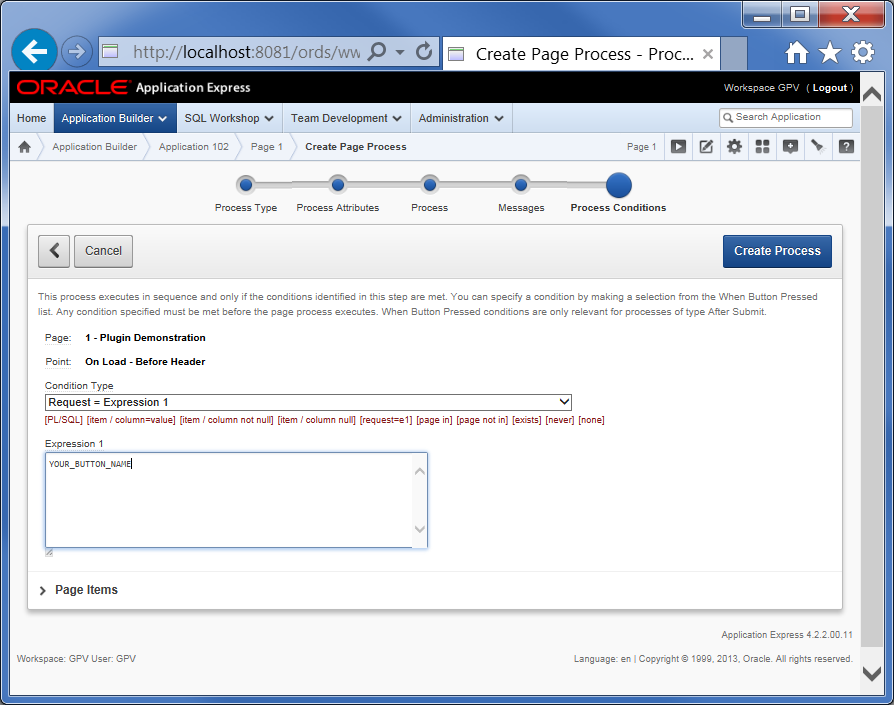
Select execution “*Point*” : “**On Submit – After Computations and Validations**”



Press “**Next**”.



Press “**Next**”.



Set “**Condition Type**” : “**Request = Expression 1**”

Set “*Expression 1*” : **name of the button** given on step 1.

Press “**Create Process**”.

**Configuration Settings**

**Return Data**

Choose "Generated XML-data" to return result of Interactive Report in XML format.

Choose "Debug information“ to getting debug information. Use this option to get us more info in case of error.

**Include Page Items**

Include all items that belongs current page with their values in XML. When "Item to Return" is not null they will not include.

**List of Items to Include**

Comma decimeters list of page or application item with their values to be included in XML. When "Item to Return" is not null they will not include.

**Apex Collection Name**

Name of APEX collection where XML-data will be saved.

When empty - result will be downloaded as file.

**Maximum Rows**

Rows grater this value will be not exported.

To export all rows set value to 1000000000.

**Getting results**

You can get XML-data as file ready to download or as clob in APEX-Collection

To get result as XML file leave plugin parameter **APEX Collection Name** empty.

To get result in CLOB just enter name of your APEX Collection in **APEX Collection Name** plugin parameter field. If Collection not exists, plugin will create it automatically.

To getting your XML please use this query:

SELECT clob001  
FROM apex\_collections  
WHERE collection\_name = ‘YOUR\_COLLECTION\_NAME’  
AND seq\_id = 1

More info about APEX Collections you can find in [Oracle APEX Documentations](http://docs.oracle.com/cd/E37097_01/doc/doc.42/e35127/apex_collection.htm#AEAPI531)

**Installing sample application**

You can find sample application in SAMPLE\_APPLICATION folder in plugin archive.

To install sample application please follow this [Instructions](http://docs.oracle.com/cd/E37097_01/doc/doc.42/e35125/deploy_import.htm#HTMDB25833).