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Overview

Introduction

On the one hand, standard download functionality implemented into APEX Interactive Reports is very simple and supports only basic features. On the other hand, end users need eye-candy looking reach reports. Therefore report developers are forced to use third-party tools (BI Publisher, Apache FOP). While constructing such reports many problems with correct displaying of users customizations arise, because there are no standard way to get prepared dataset from Interactive Report.

Display

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

The "**GPV Interactive Report to XML**" APEX plugin provide simple access to IR-data and save them in XML-format, prepared to future processing. This solution is simple to use and don’t require the knowledge of Interactive Report internal.

Features at a Glance

These Interactive Reports features 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’ll get text a file with debug information.

Please send this file to [pavel.glebov@outlook.com](mailto:pavel.glebov@outlook.com). We’ll try to fix this 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.

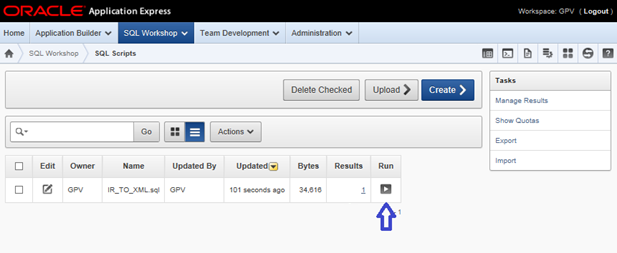
Legal Disclaimer

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).

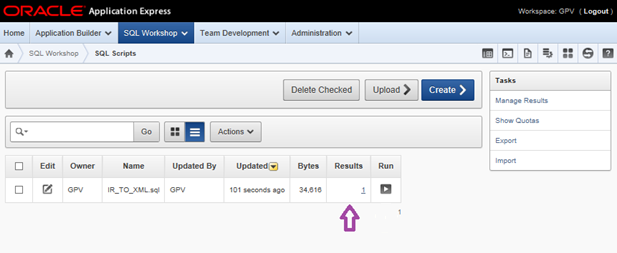
Installation

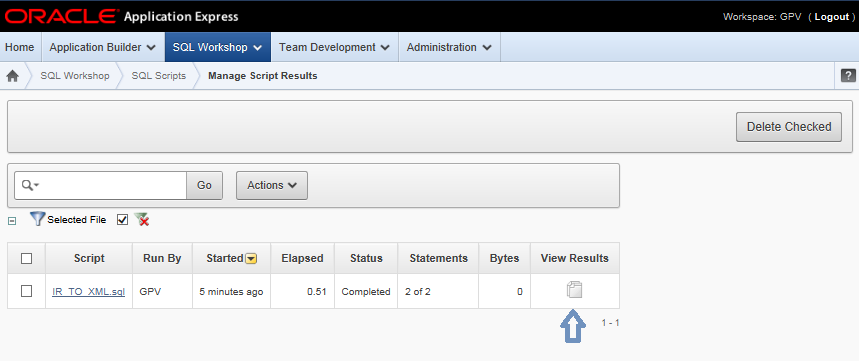
Install required package

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

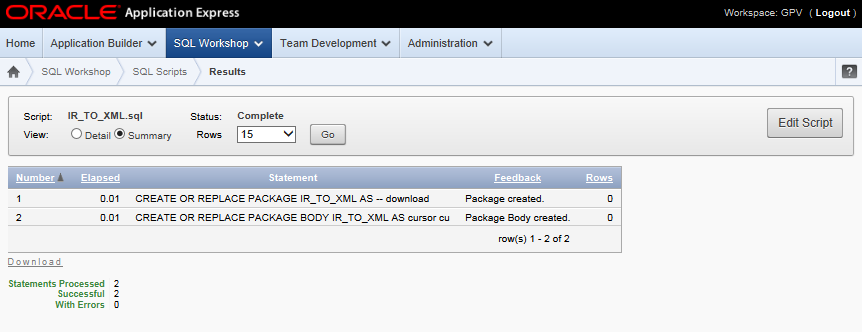


This script will be created IR\_TO\_XML package. Run this script by pressing Run-icon.





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



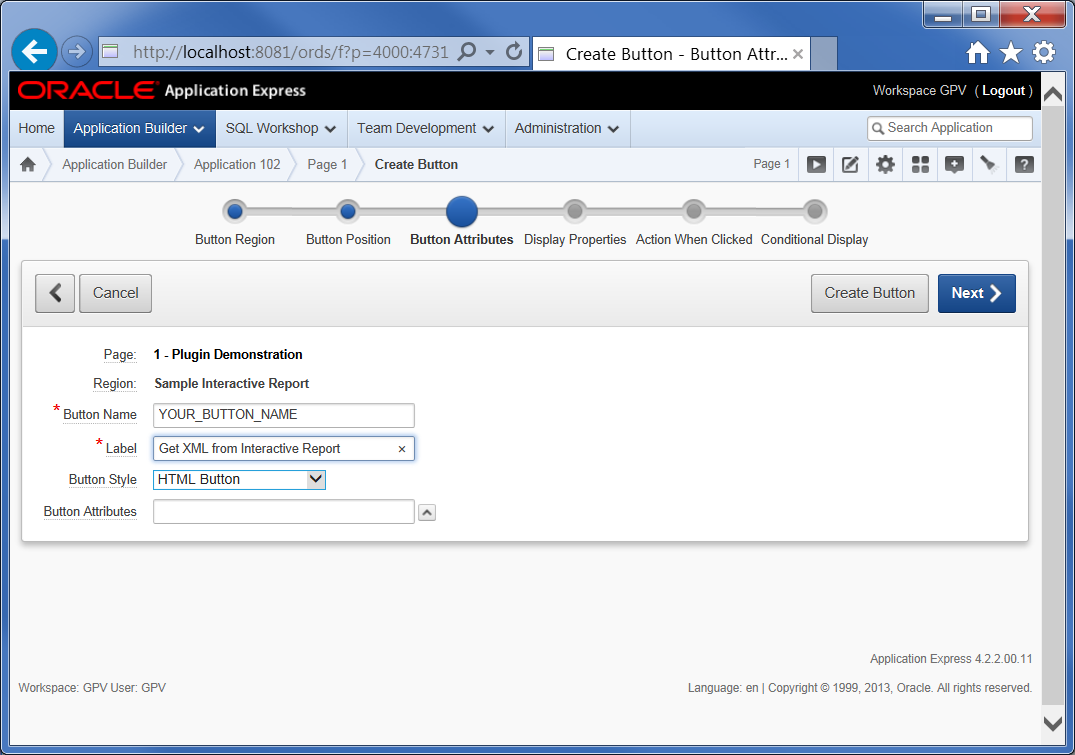
There should be no errors.

Install plugin

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

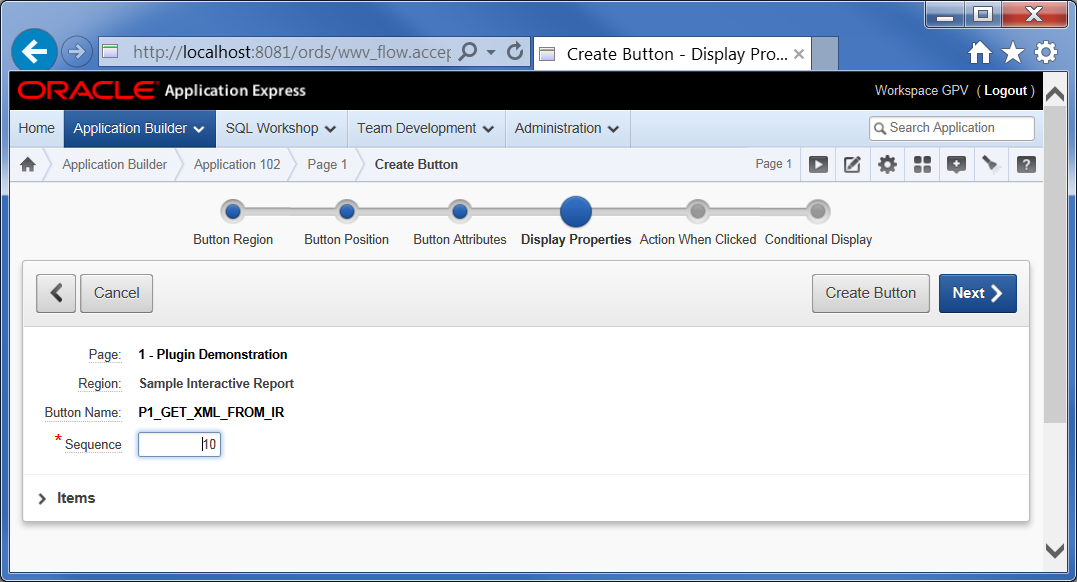
Using in your application

1. At first you should create the button will start the plugin on page with Interactive Report.

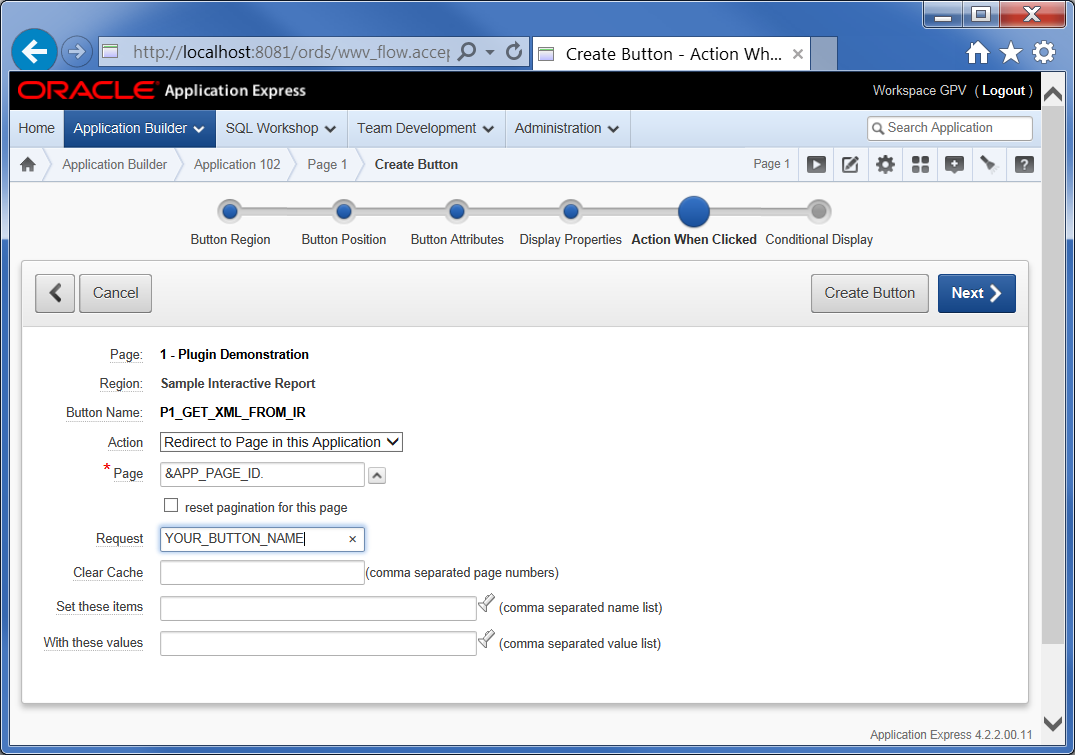


Enter “*Button name*” and “*Label*”.

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



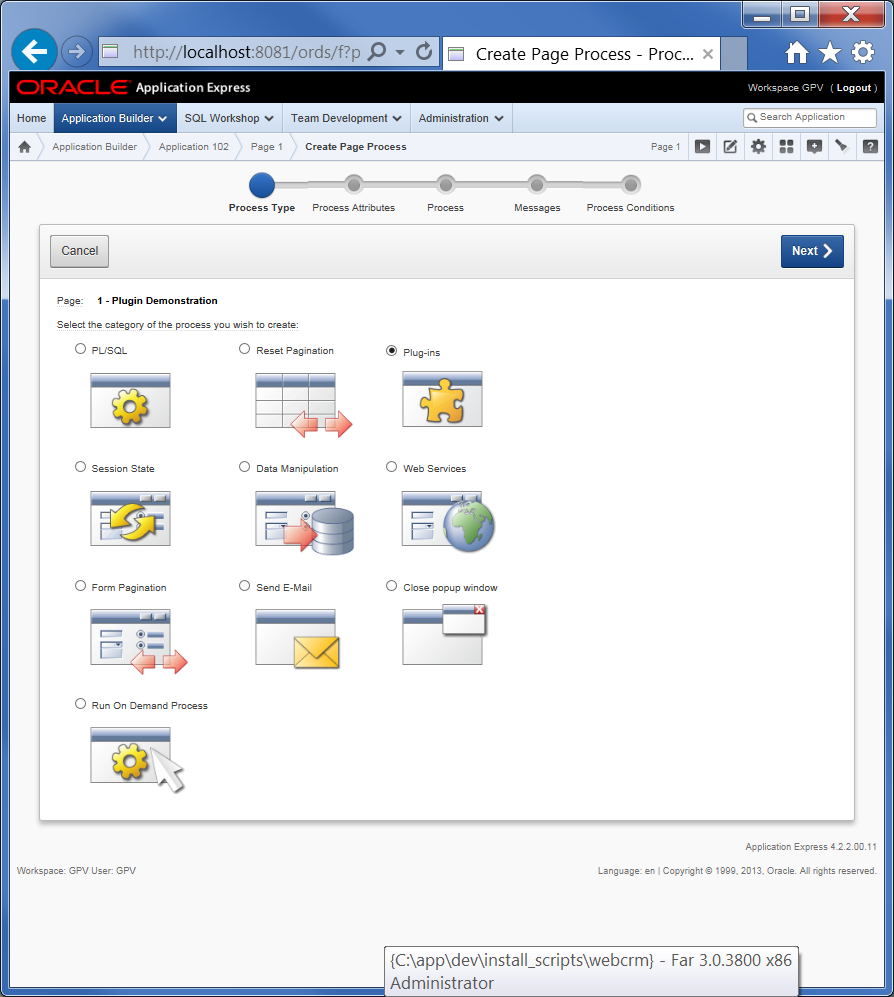
Press “**Next**”.

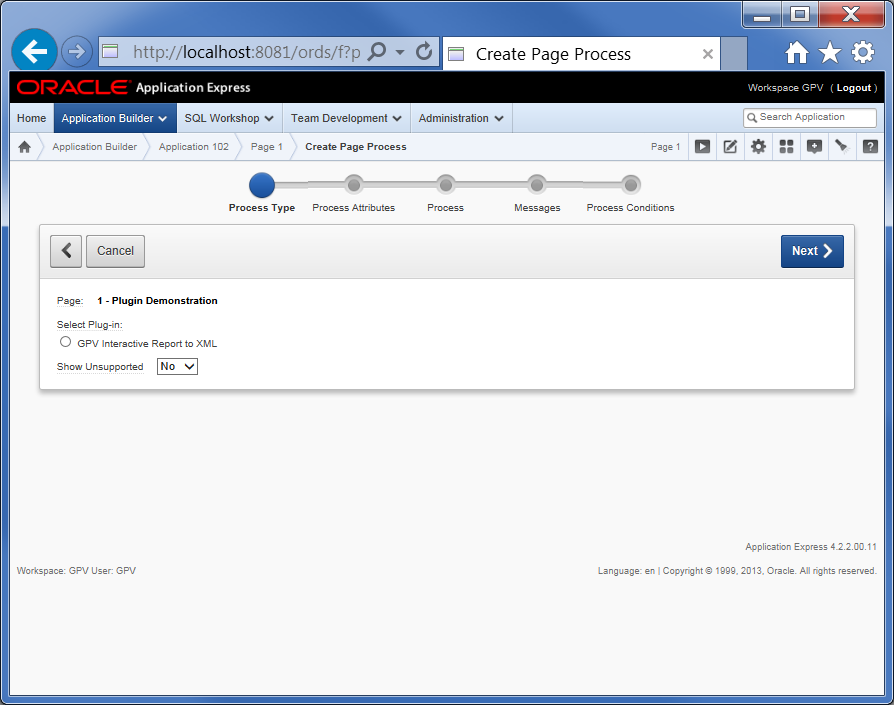


Enter **&APP\_PAGE\_ID.** in field “*Page*”.

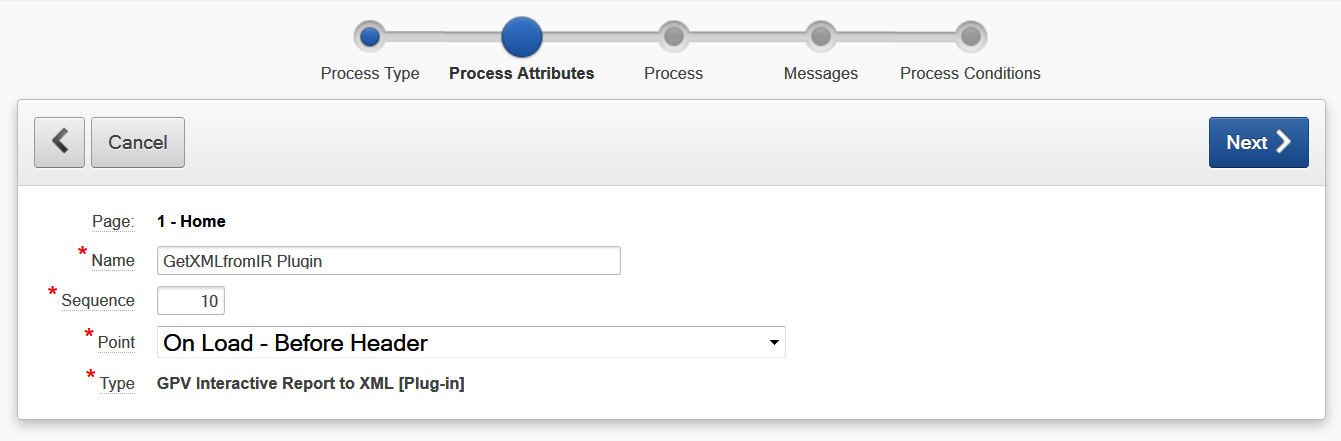
Set “*Request*” : **name of the button** given on step 1. Press **Create Button**.

1. At second create “*On Load - Before Header*”*-*process “**Plug-Ins**” type.



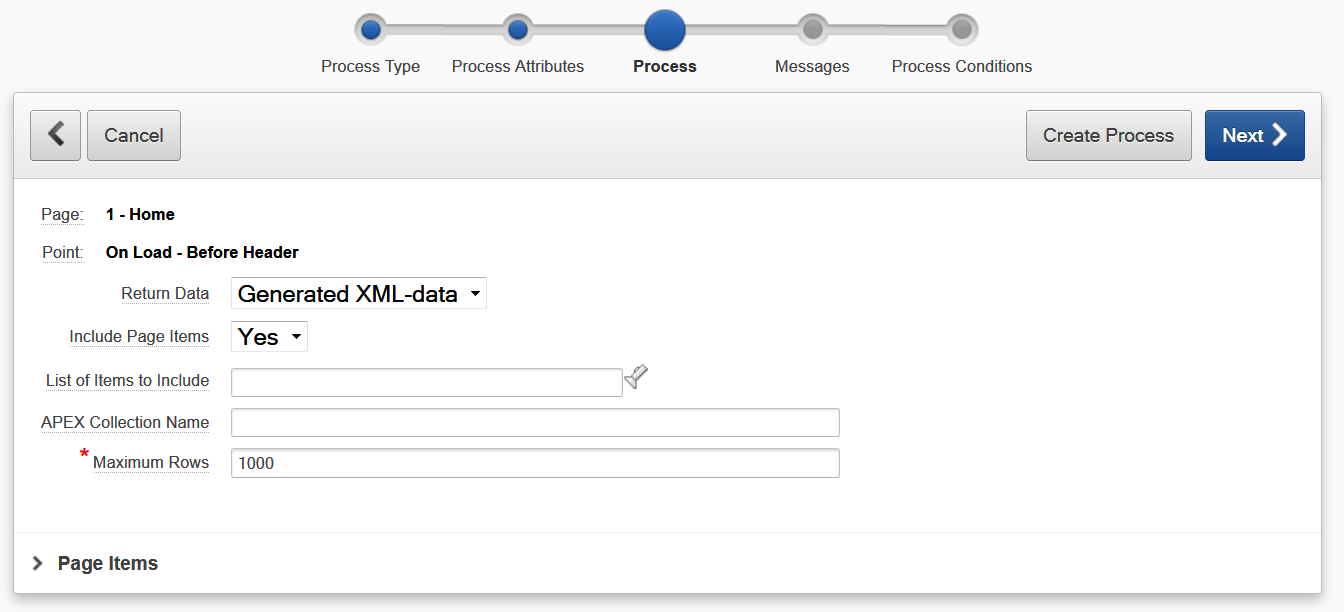


Select “**GPV Interactive Report to XML”**.



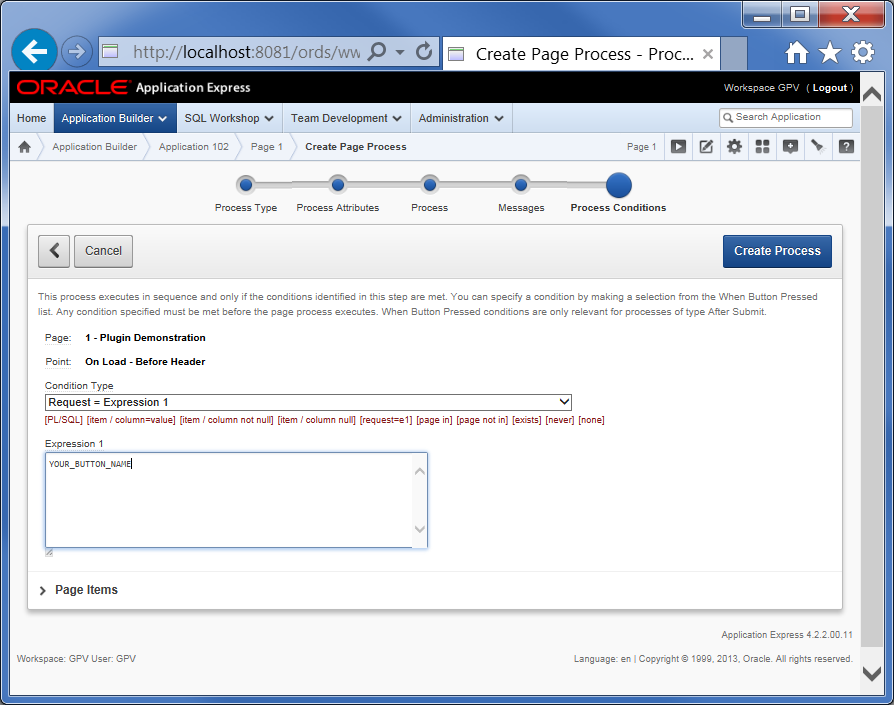
Give this plugin a name (for example “*GetXMLfromIR Plugin*”).

Select execution “*Point*”: “***On Load - Before Header***”



Press “**Next**”.

Skip next Page by pressing “**Next**”.



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

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

Press “**Create Process**”.

Configuration Settings

Data Return

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

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

Include Page Items

Include all items with their values belonging to current page in XML.

List of Items to Include

Comma delimetered list of page or application items with their values will be included in XML.

Apex Collection Name

Enter the name of APEX collection where XML-data will be saved.

When empty - result will be downloaded as file.

Maximum Rows

Rows greater than this value will not be exported.

To export all the rows set the value to 1000000000.

"Try again" message

After adding\removing columns report need to be refreshed through pressing “Go”-Button. When user did not do that, download stopped. After that another download attempt needed.

In this case, this message will be displayed.

Getting results

You can get your XML-data as a file ready to download or as a CLOB in APEX-Collection

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

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

To get 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).