Contents

[Overview 3](#_Toc481572230)

[Introduction 3](#_Toc481572231)

[Features at a Glance 3](#_Toc481572232)

[License 3](#_Toc481572233)

[Legal Disclaimer 3](#_Toc481572234)

[Found a bug 3](#_Toc481572235)

[Installation 4](#_Toc481572236)

[Install required packages 4](#_Toc481572237)

[Install plugin 7](#_Toc481572238)

[Using in your application 7](#_Toc481572239)

[How it works 8](#_Toc481572240)

[Installing a separate rendering engine from Moritz Klein (commi235). 8](#_Toc481572241)

[Configuration Settings 10](#_Toc481572242)

[Return Data 10](#_Toc481572243)

[Maximum Rows 10](#_Toc481572244)

[Add Download XLSX Icon to “Download Dialog” 10](#_Toc481572245)

[FAQ (How to) 11](#_Toc481572246)

[Replace default file name (Excel.xlsx) to the custom file name 11](#_Toc481572247)

[Use this functionality for all Interactive reports in your application 11](#_Toc481572248)

[Adding a custom download button 11](#_Toc481572249)

[How to exclude report columns from export/make columns that are visible in Excel but not visible in Interactive Report 12](#_Toc481572250)

[How to uninstall plugin 13](#_Toc481572251)

Overview

Introduction

The "**GPV Interactive Report to Excel**" APEX plugin provides a simple export of IR-data into Microsoft Excel.

Features at a Glance

These Interactive Reports features are supported:

* Correct export of data types (String/Date/Number)
* Filtering and Sorting
* Control Break
* Computations
* Aggregations
* Highlighting
* Auto adjustable Column Width
* Date/Number Formats
* Custom downloaded file name (see FAQ)
* Can be easy implemented for all Interactive reports in an application (see FAQ)

License

The "GPV Interactive Report to MSExcel" APEX plugin and IR\_TO\_XML, XML\_TO\_XSLX, IR\_TO\_MSEXCEL packages are currently available for use in all personal or commercial projects under both the 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 in 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).

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 data again. You’ll get text a file with debug information.

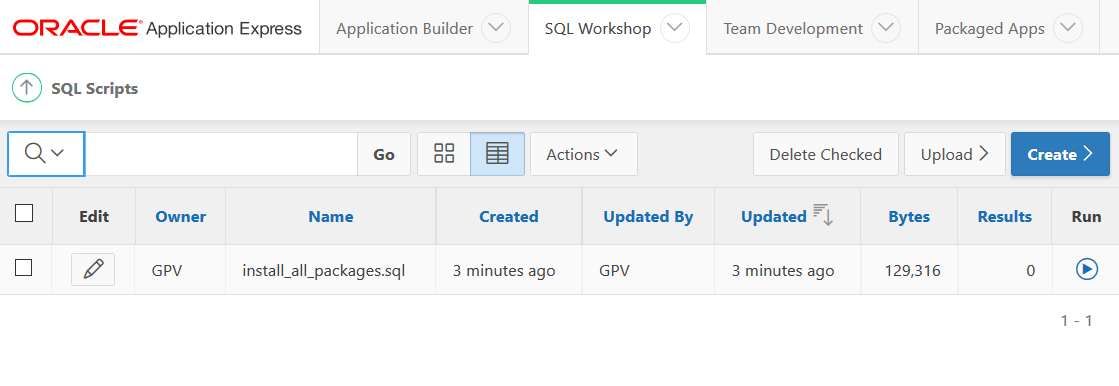
Please send this file to [pavelglebov@outlook.com](mailto:pavelglebov@outlook.com). Or if you have skills to fix it become a contributor at [GitHub](https://github.com/glebovpavel/IR_TO_XML). You're always welcome!

Installation

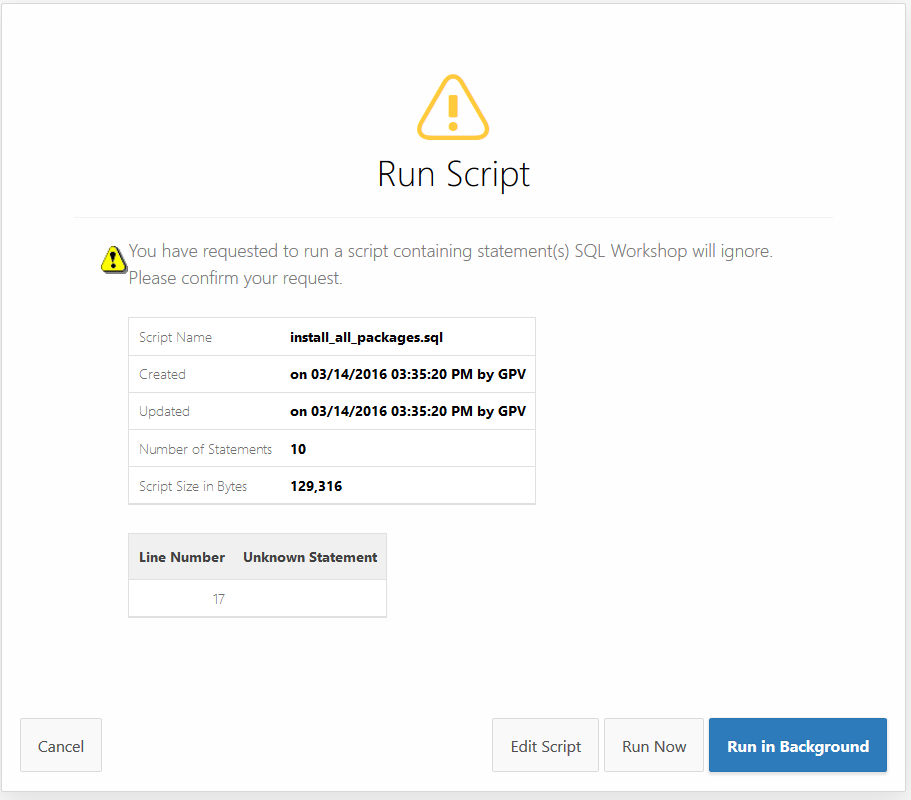
Install required packages

This plugin requires IR\_TO\_XML, XML\_TO\_XSLX, IR\_TO\_MSEXCEL, APEXIR\_XLSX\_PKG.sql and AS\_ZIP packages. To install these packages, please use the all-in-one installation script install\_all\_packages.sql.

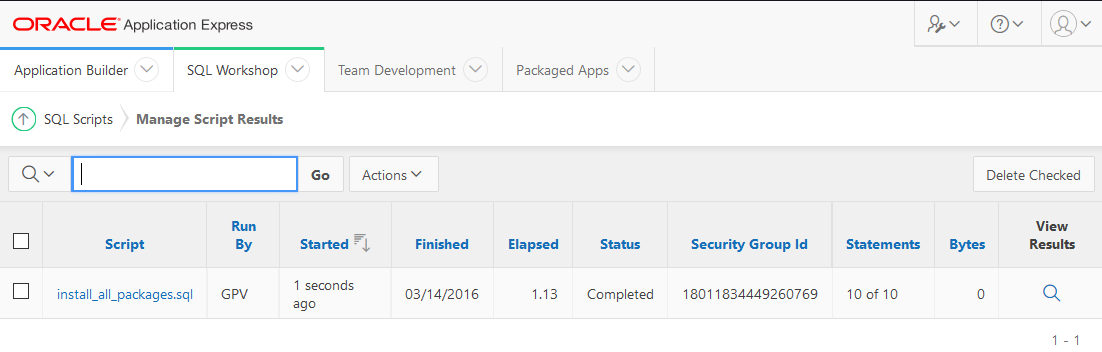
To do this, navigate to the “SQL Workschop > SQL Scripts”. Upload file **install\_all\_packages.sql**.



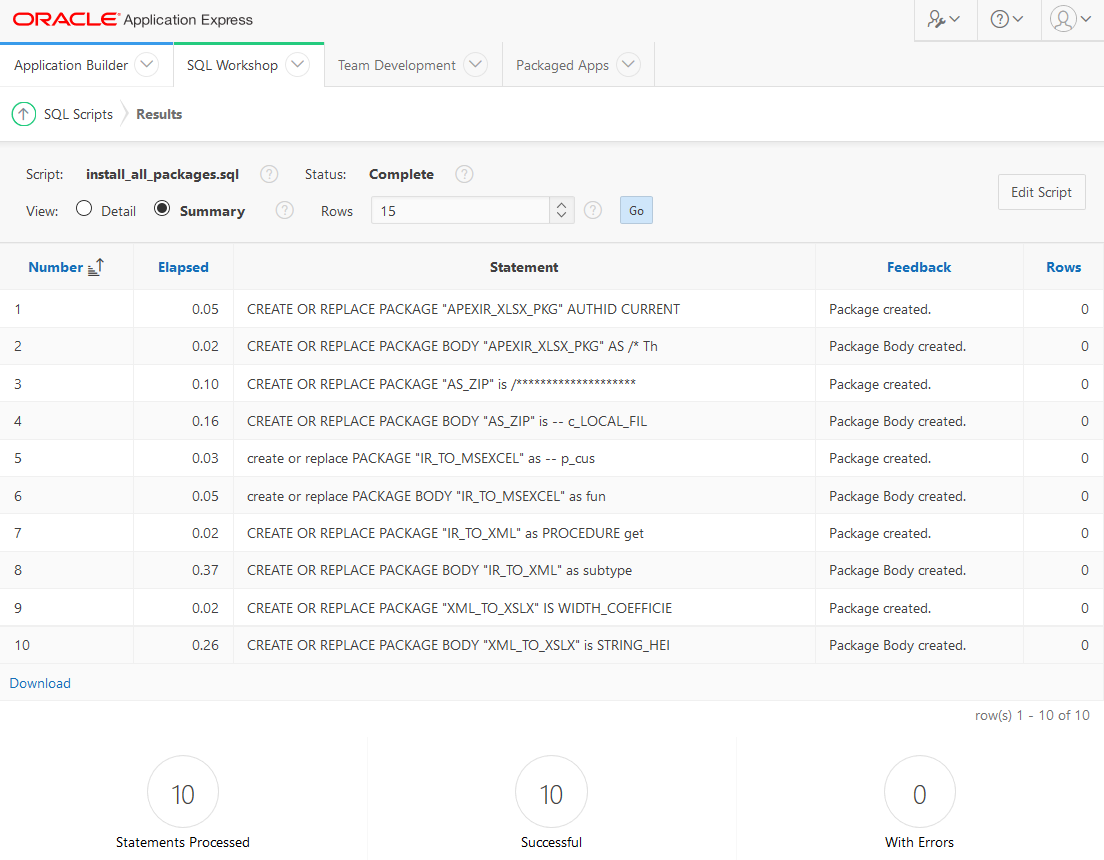
This script will create all required packages. Run this script by pressing the Run-icon.



Press “Run Now” button.



After execution take a look at the execution results. Open the “*Manage Script Results*” tab by pressing the link in the **View Results** column.



There should be no errors.

Additionally (very rare) you should get access to the SYS.UTL\_FILE package.

GRANT EXECUTE ON SYS.UTL\_FILE TO #USER#;

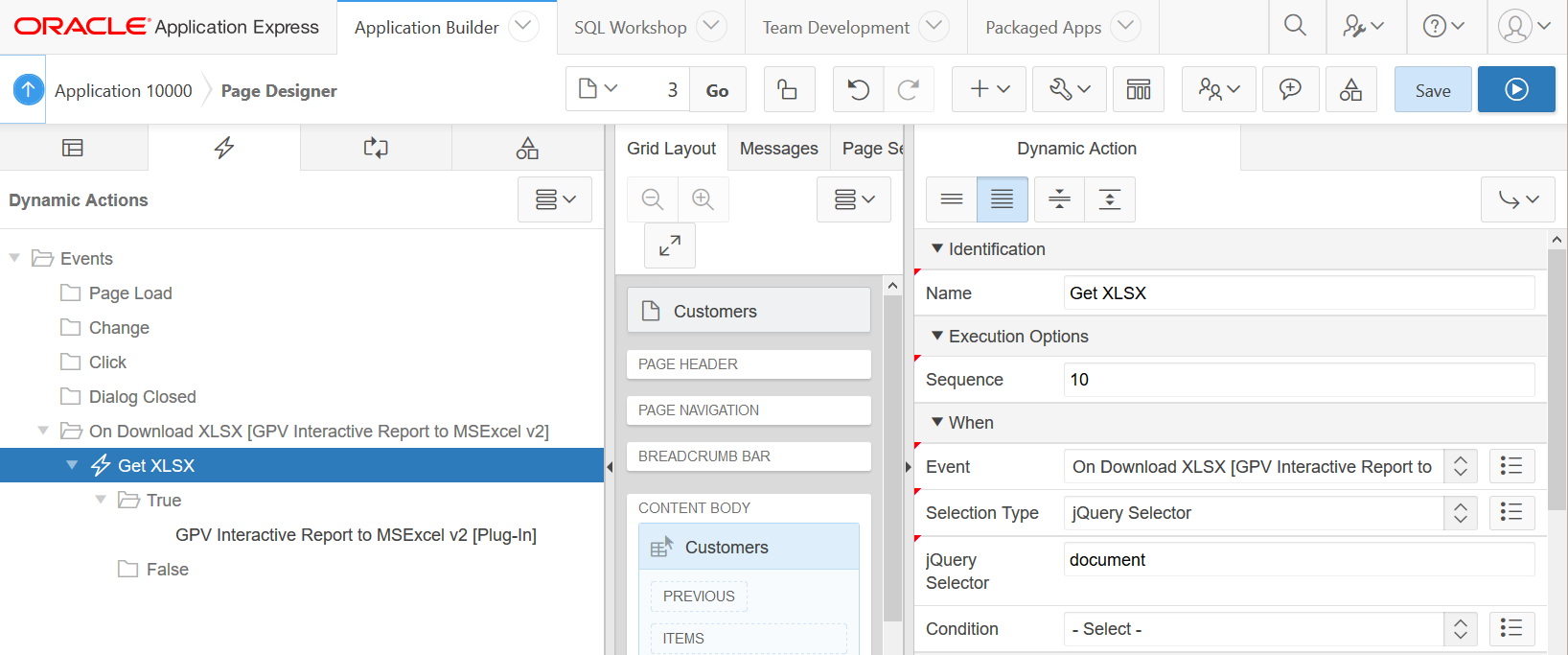
Where #USER# should be replaced to APEX Application Parsing Schema.

Install plugin

Navigate to “*Shared Components > Plug-ins*” and click **Import**. [This Oracle document](https://docs.oracle.com/cd/E59726_01/doc.50/e39147/deploy_import.htm#HTMDB26010) shows you how to upload the plugin-file “dynamic\_action\_plugin\_at\_frt\_gpv\_ir\_to\_msexcel.sql” and to install the plug-in using the file above.

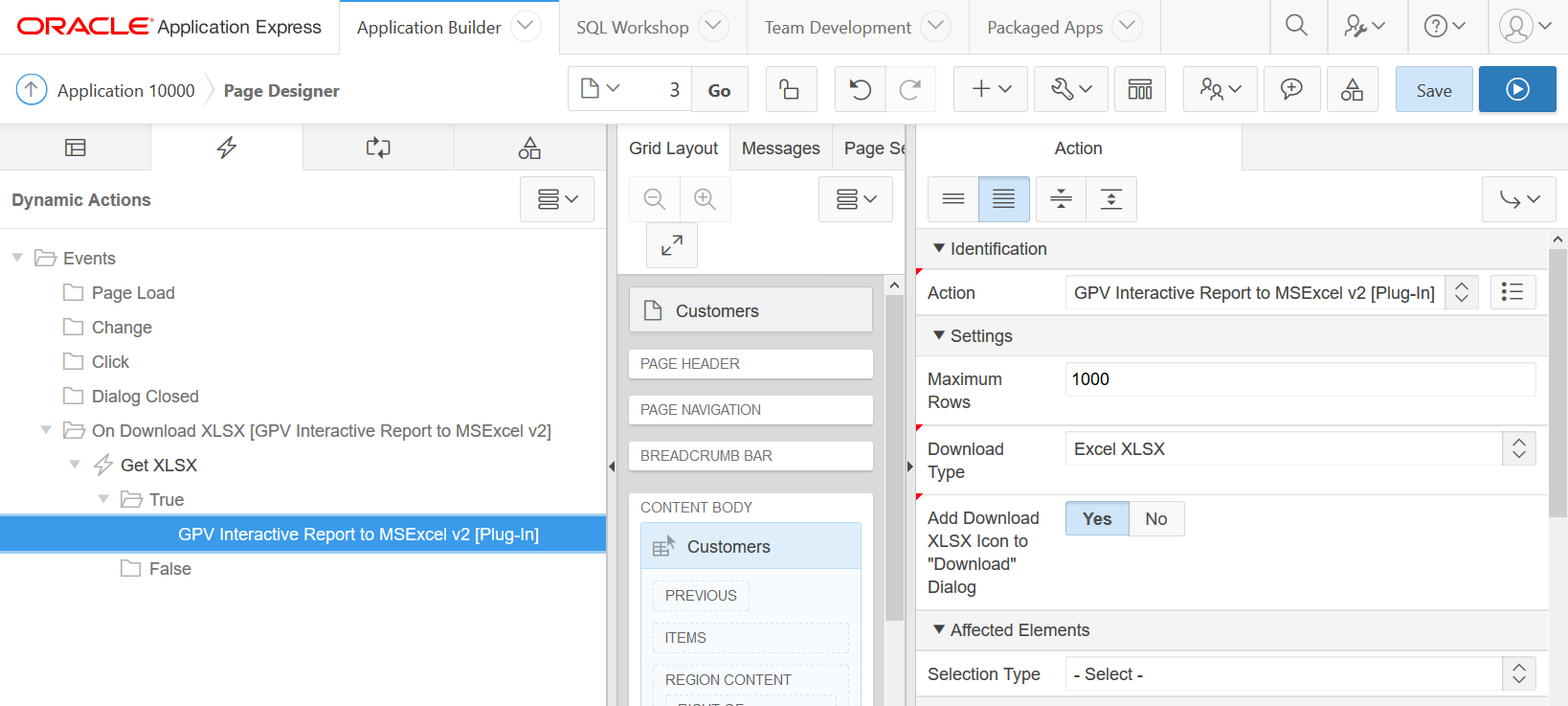
Using in your application

1. Create a new Dynamic Action on Event “**On Download XLSX[GPV Interactive Report to MS Excel v2]**”.



Set

* “*Selection Type*” => “**jQuery** **Selector**”
* “*jQuery Selector*” => “**document**”

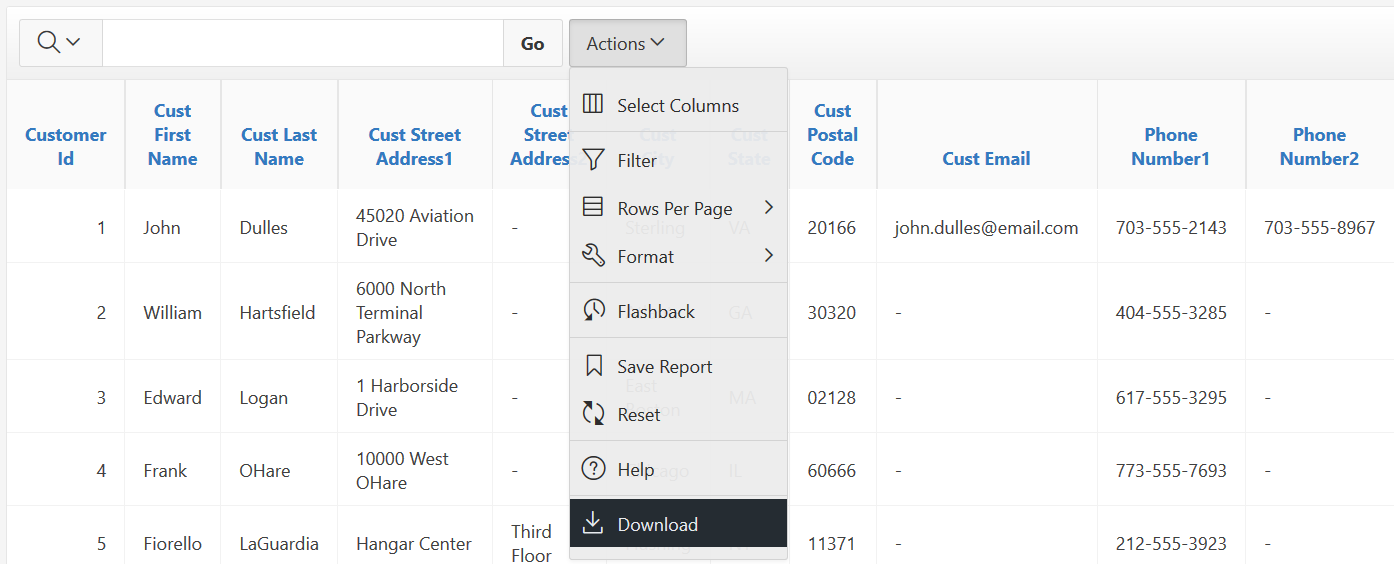


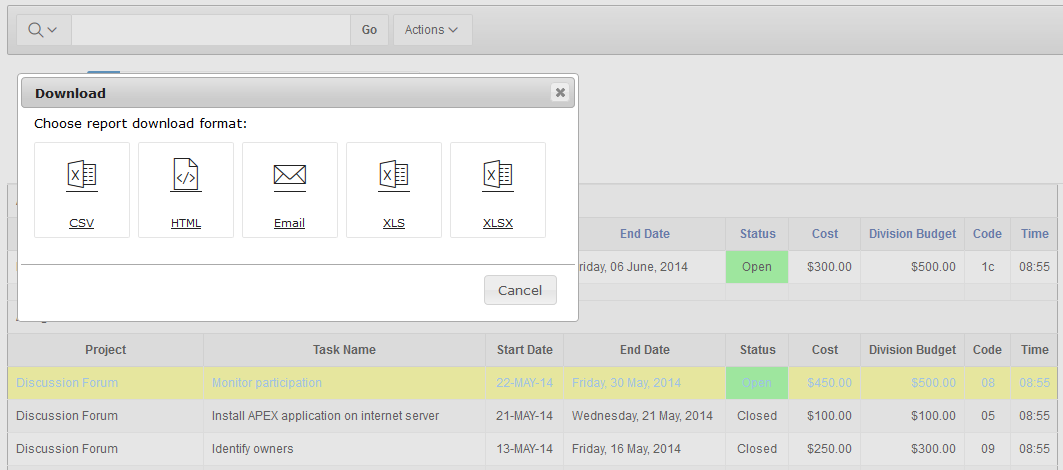
Select “*Action*” => “**GPV Interactive Report to MS Excel v2**”

The plugin is ready to use with the default settings.

**How it works**

The plugin adds “Download XLSX” Icon to the “Download menu”. By pressing on this icon the user gets an XLSX-file.





**Installing a separate rendering engine from Moritz Klein (commi235).**

Download and install all required packages from GitHUB (<https://github.com/commi235/APEX_IR_XLSX>).

The existing (mock) package APEXIR\_XLSX\_PKG.sql must be replaced.

After that you can use “**Download Type**” => “commi235 Render Engine”

Configuration Settings

Return Data

Choose "Excel XLSX" to return the Interactive Report as a MS-Excel file.

Choose "XML (Debug)" to return the Interactive Report in XML format.

Choose "Debug TXT" to view debug information.

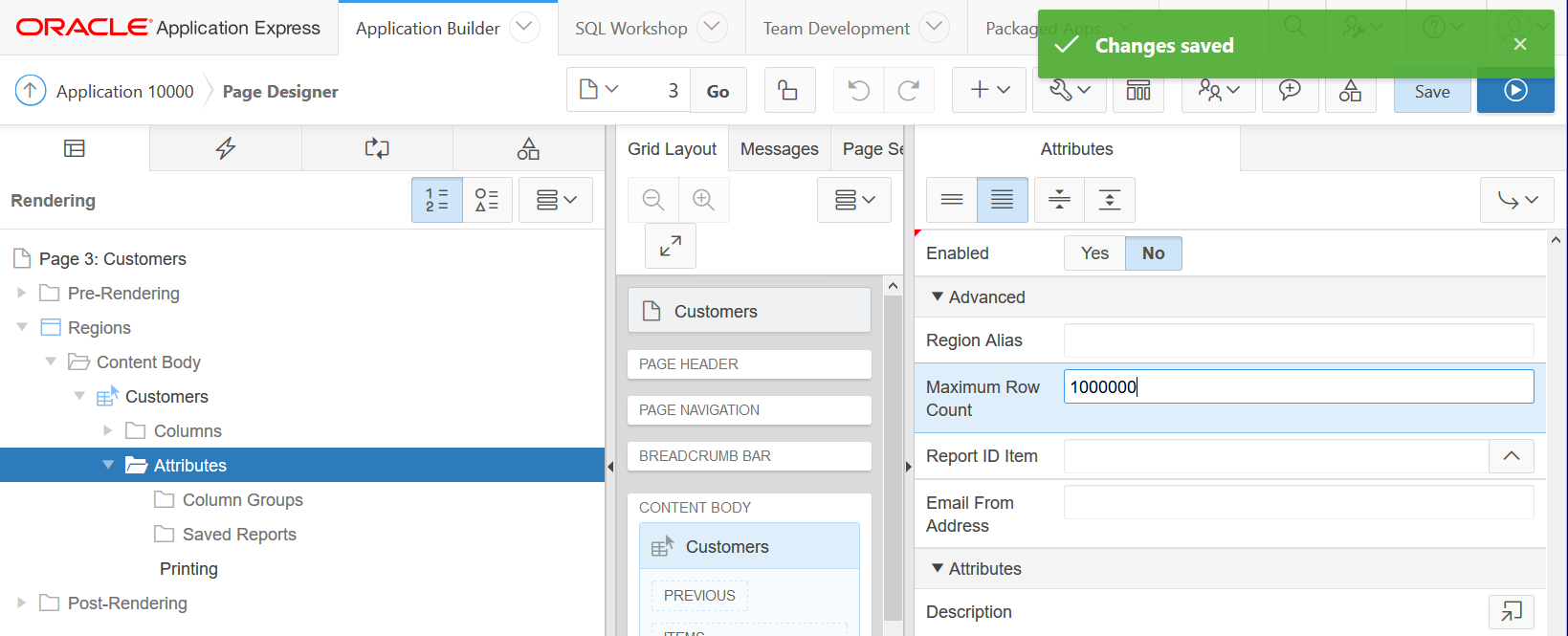
Choose “commi235 Render Engine” to use a separate render engine from Moritz Klein (needs to be installed separately).

Maximum Rows

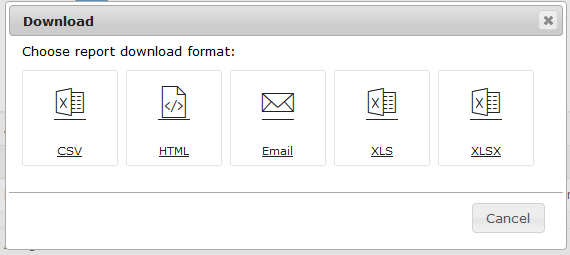
Rows greater than this value will not be exported.

To export all the rows set the value to 1000000000.

When empty - value from Interactive Report Attributes-> Maximum Row Count will be used.



## **Add Download XLSX Icon to “Download Dialog”**

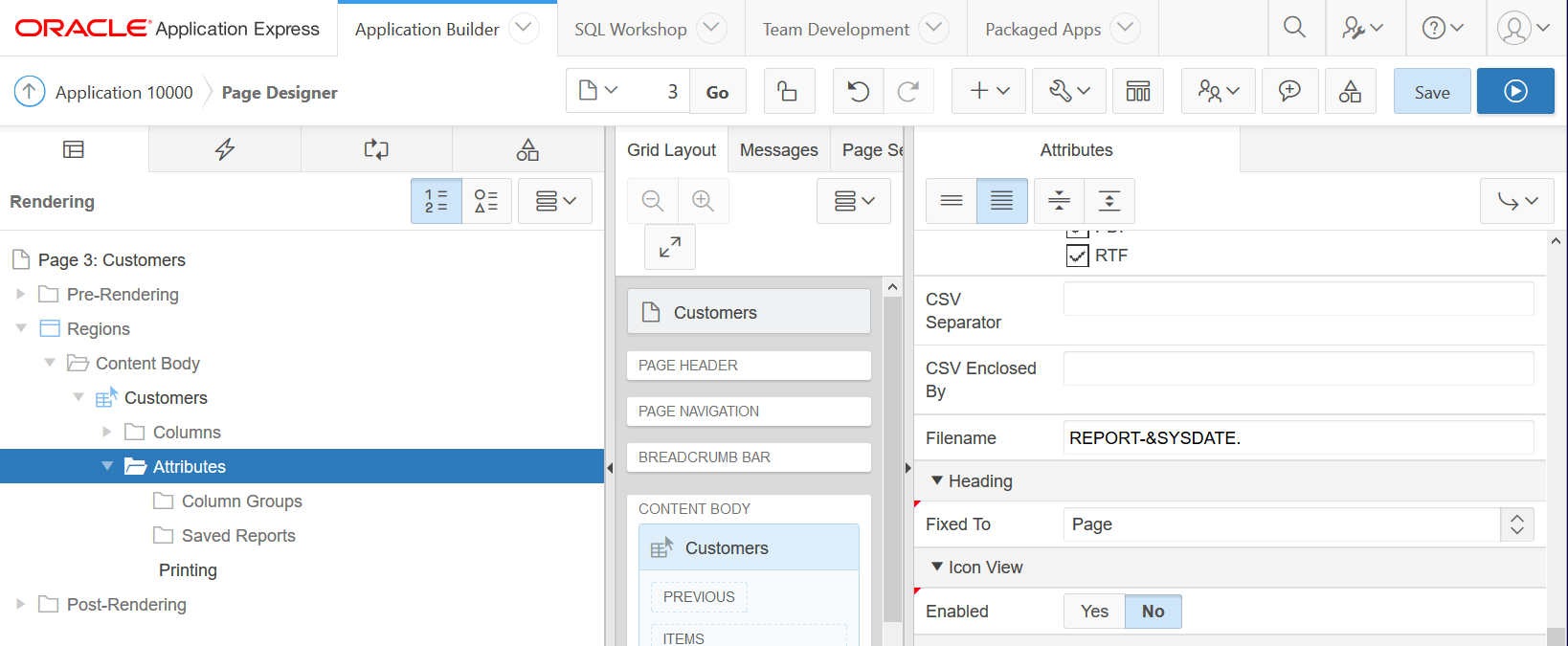


This Icon will be added

# FAQ (How to)

Replace default file name (Excel.xlsx) to the custom file name

When not empty, the value from *Report Attributes*-> *Filename* field will be used.



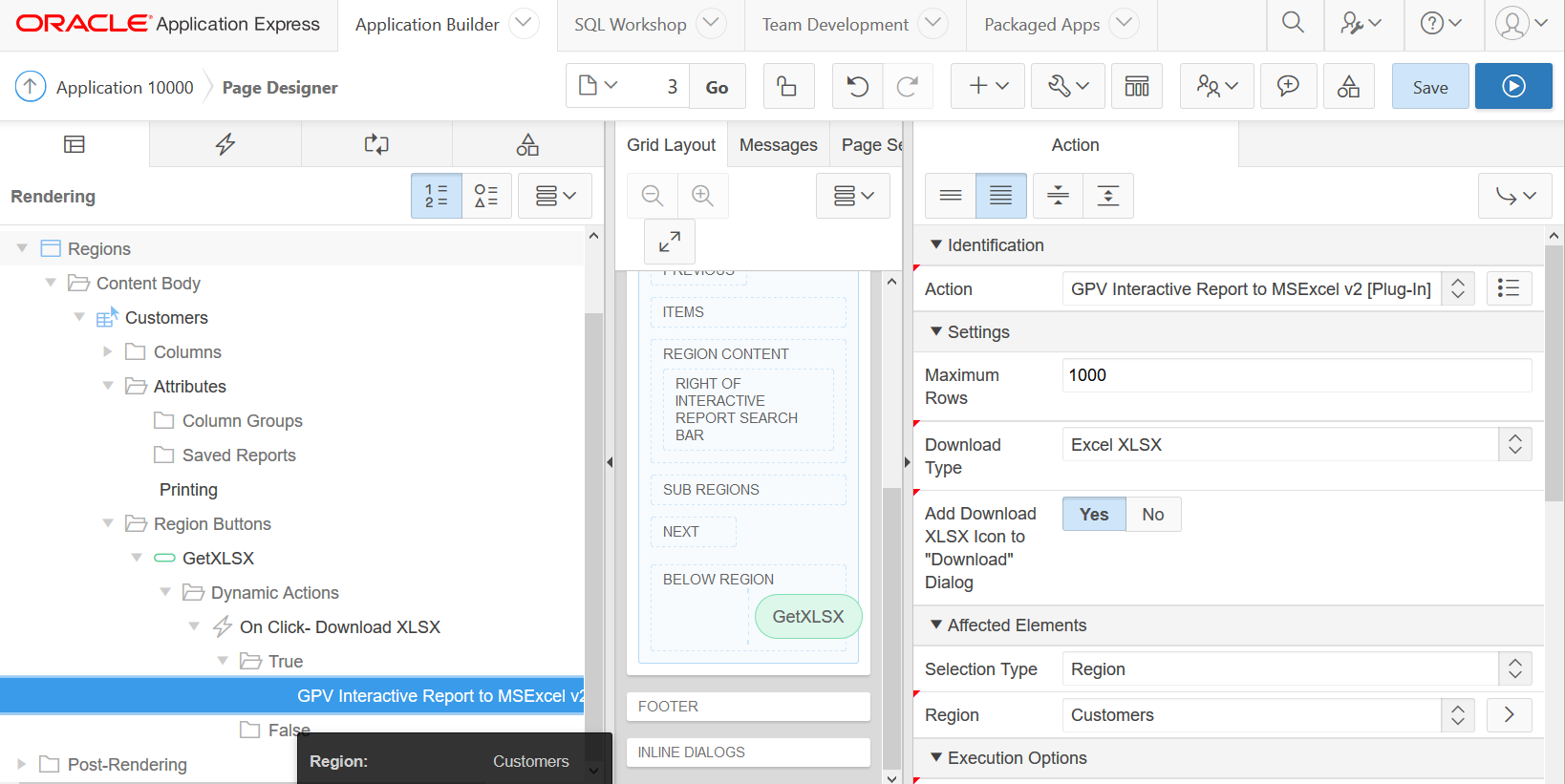
Use this functionality for all Interactive reports in your application

Install the plugin on Page 0 as described above in “**Using in your application**” section.

When you want to exclude this functionality from a couple of pages, use **Conditions**.

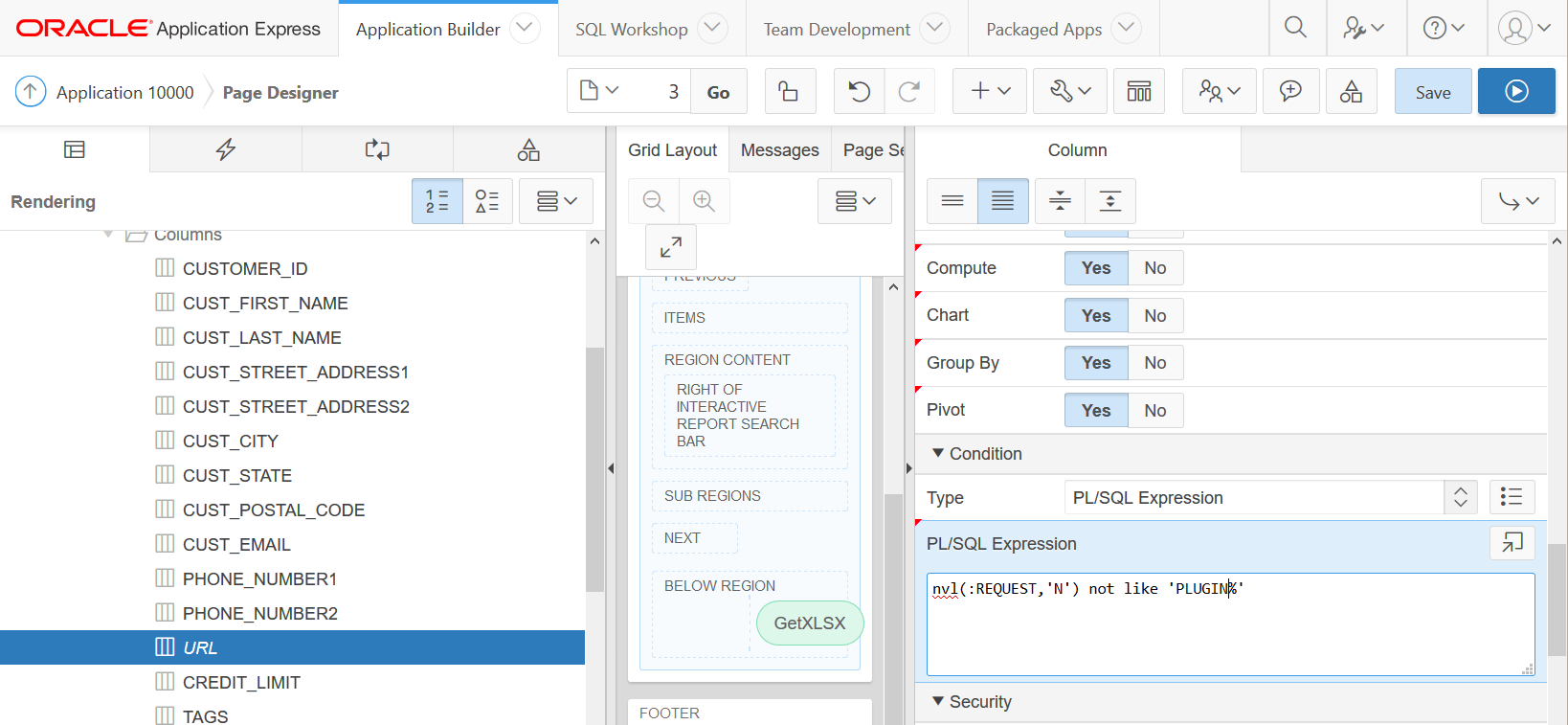
Adding a custom download button

1. First create a Button
2. Create Dynamic Action on Event “**Click**” for this Button.
3. Create True Action an set “*Action*” to “GPV Interactive Report to MSExcel v2 [Plug-in]”.
4. In “*Affected Elements*” Section set “*Selection Type*” => “Region”.
5. Set “Region” to your IR report Region.



How to exclude report columns from export/make columns that are visible in Excel but not visible in Interactive Report

Use **Conditional Display** column property for this.

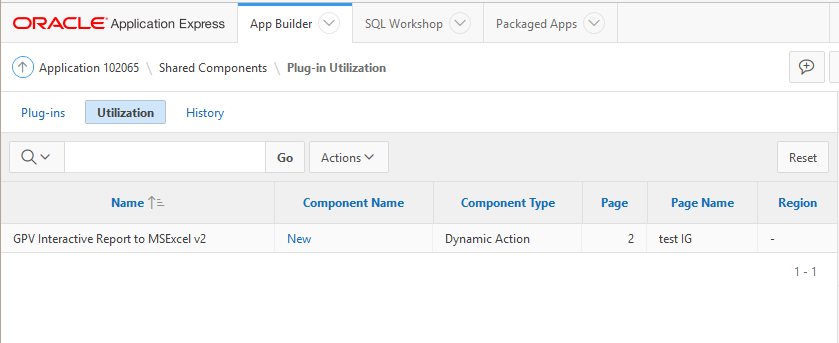


Use ***nvl(:REQUEST,'N') not like 'PLUGIN%'*** Expression to exclude column from export,

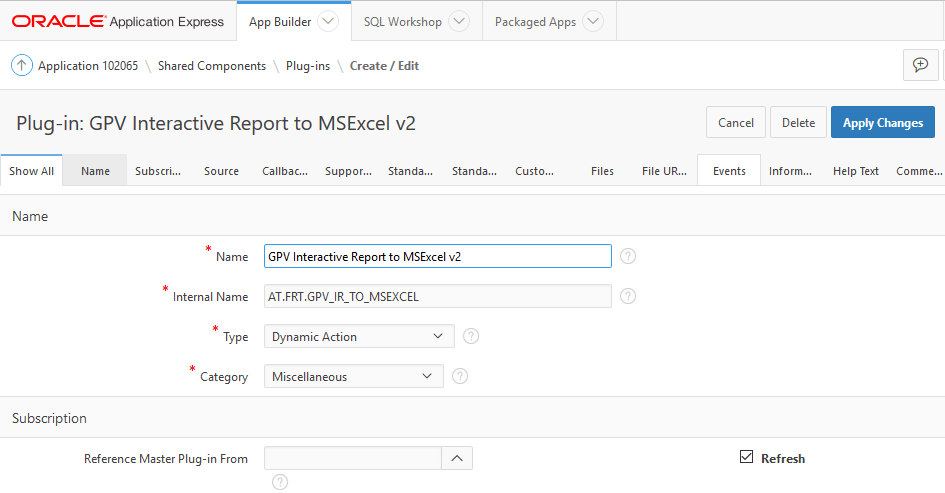
and ***nvl(:REQUEST,'N') like 'PLUGIN%'***  Expression to make column visible on export only.

How to uninstall plugin

First make sure that the plugin are not used in your application components any more:



If Utilization Report don’t contain “GPV Interactive Report to MSExcel v2” records, on plugin-page appears Delete – Button.



Drop all plugin packages:

drop package IR\_TO\_XML;

drop package XML\_TO\_XSLX;

drop package IR\_TO\_MSEXCEL;

drop package APEXIR\_XLSX\_PKG;

drop package AS\_ZIP;