Contents

[Overview 3](#_Toc403465847)

[Introduction 3](#_Toc403465848)

[Features at a Glance 3](#_Toc403465849)

[License 3](#_Toc403465850)

[Legal Disclaimer 3](#_Toc403465851)

[Found a bug 3](#_Toc403465852)

[Installation 4](#_Toc403465853)

[Install required package 4](#_Toc403465854)

[Install plugin 5](#_Toc403465855)

[Using in your application 6](#_Toc403465856)

[Configuration Settings 8](#_Toc403465857)

[Return Data 8](#_Toc403465858)

[Maximum Rows 8](#_Toc403465859)

[Download when click on (JQuery Selector) 8](#_Toc403465860)

[Installing sample application 9](#_Toc403465861)

[FAQ (How To) 9](#_Toc403465862)

[Replace default file name (Excel.xlsx) to the custom file name 9](#_Toc403465863)

[Easy implement this functionality to all Interactive report in your application 9](#_Toc403465864)

[Set custom columns widths 10](#_Toc403465865)

[Adding custom download button 11](#_Toc403465866)

[How to exclude reports columns from export/make columns that are visible in Excel but not visible in Interactive Report 12](#_Toc403465867)

Overview

Introduction

The "**GPV Interactive Report to Excel**" APEX plugin provide 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 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 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).

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.

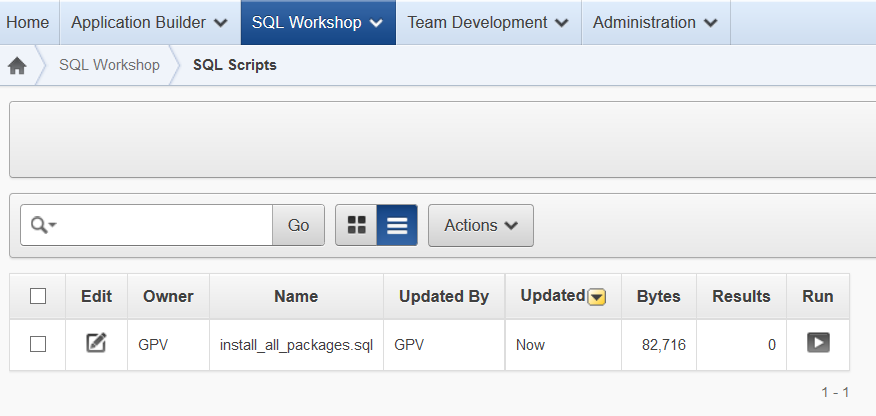
Please send this file to [pavel.glebov@outlook.com](mailto:pavel.glebov@outlook.com). We’ll try to fix this error as soon as possible.

Installation

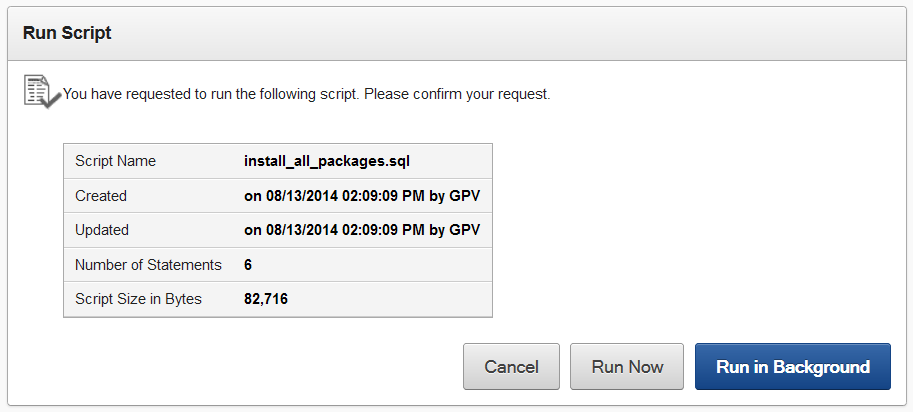
Install required package

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

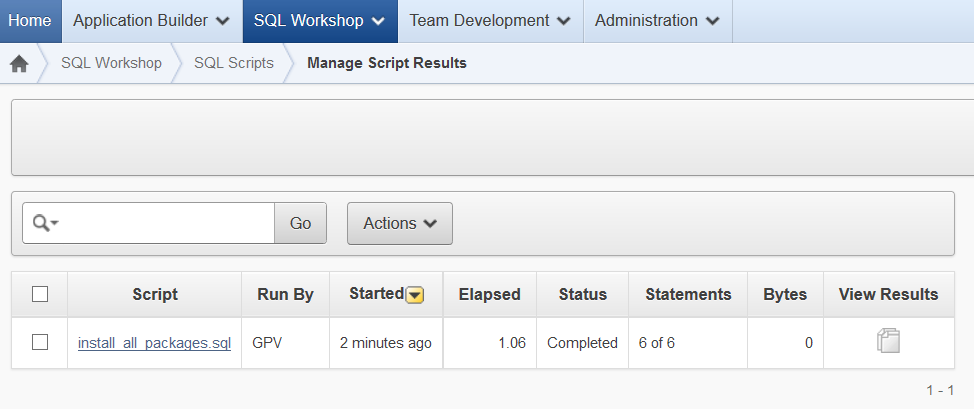
To do this, navigate to the “SQL-Workschop > SQL-Scripts”. Upload file **install\_all\_packages.sql**.



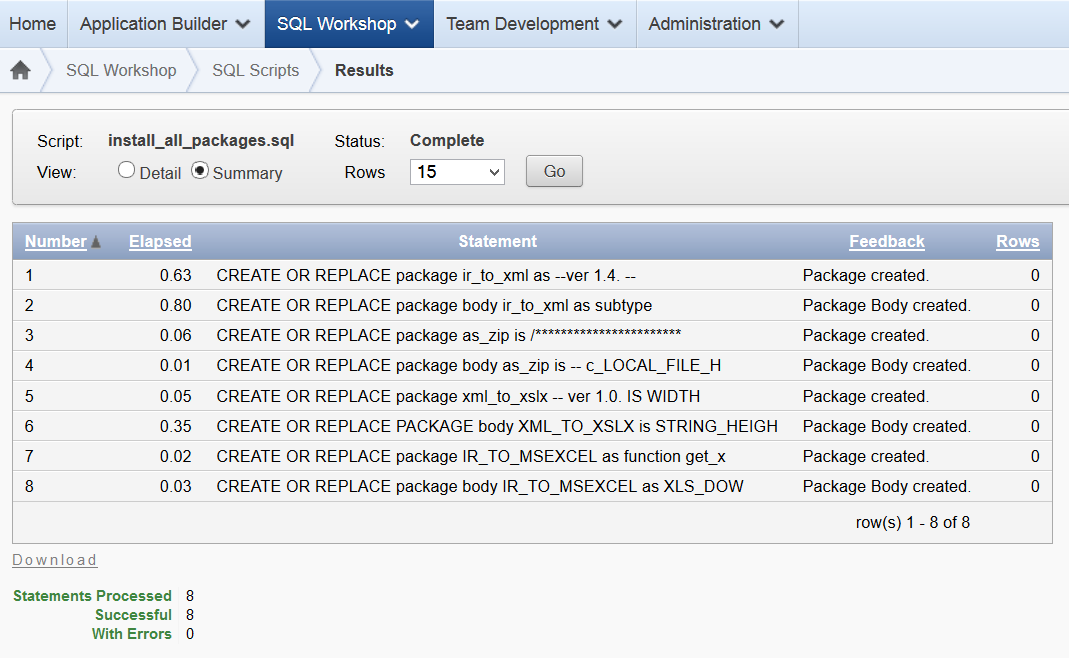
This script will be created all required packages. Run this script by pressing Run-icon.



Press “Run Now” button.



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



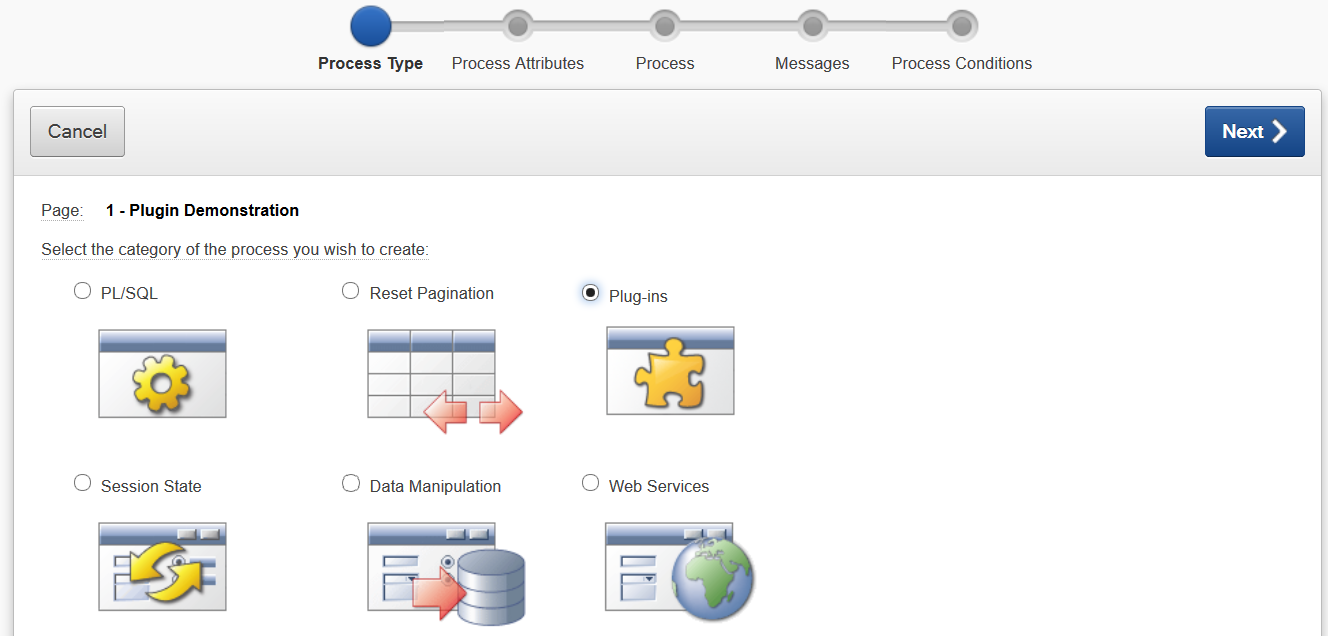
There should be no errors.

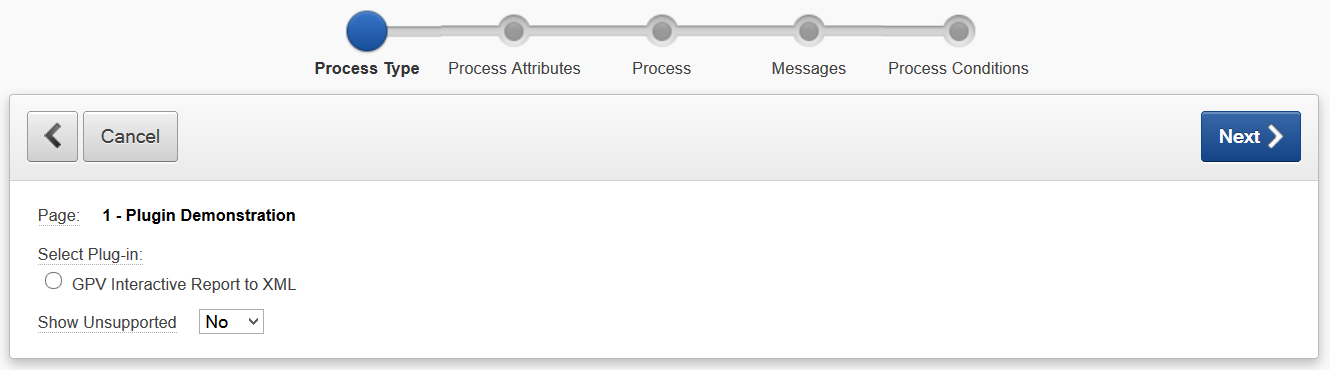
Install plugin

Navigate to “*Shared Components > Plug-ins*” and click **Import**. [Herefrom](http://docs.oracle.com/cd/E37097_01/doc/doc.42/e35125/deploy_import.htm#HTMDB26010) 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.

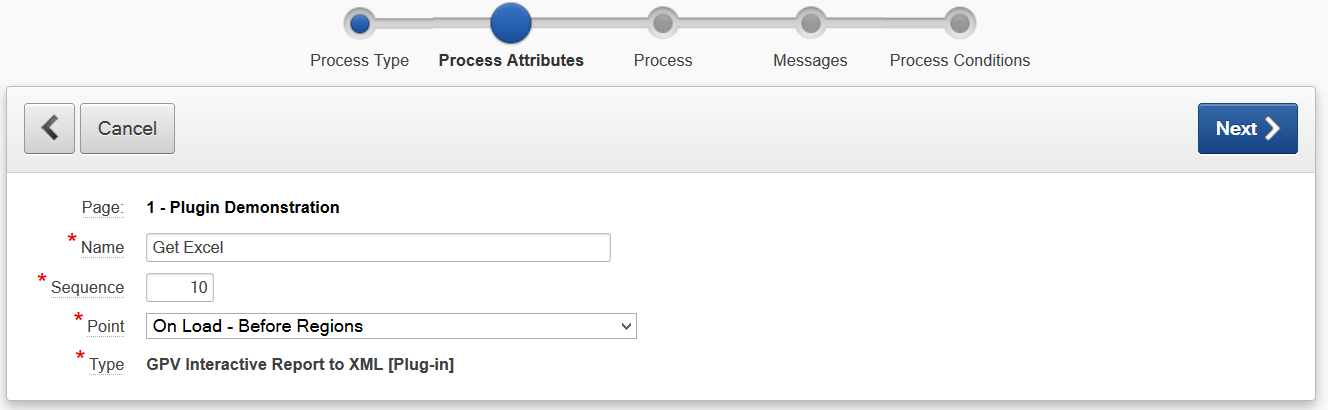
Using in your application

1. Create “*On Load - Before Regions*”*-*process “**Plug-Ins**” type.



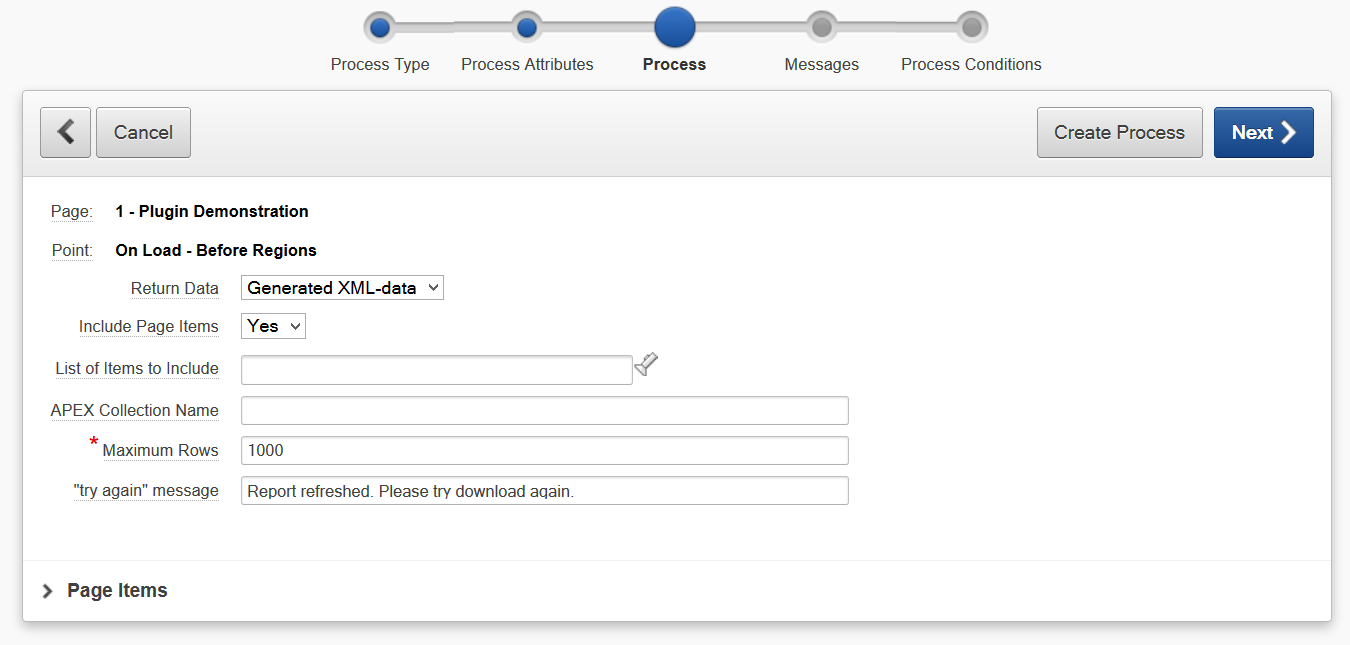


Select “**GPV Interactive Report to XML”**.



Give this process a name (for example “*Get Excel*”).

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



Press “**Create Process**”.

Configuration Settings

Return Data

Choose "Excel XLSX" to return result of Interactive Report as MS-Excel file.

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

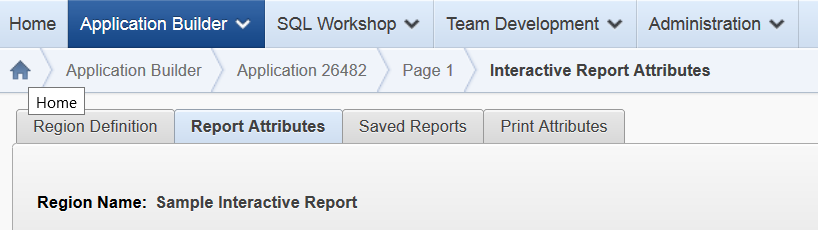
Choose "Debug TXT" to view debug information.

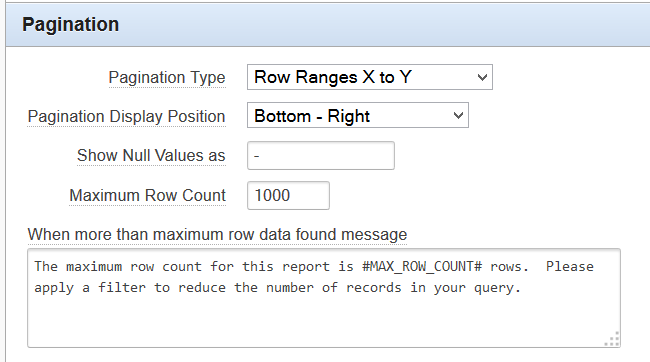
Maximum Rows

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.



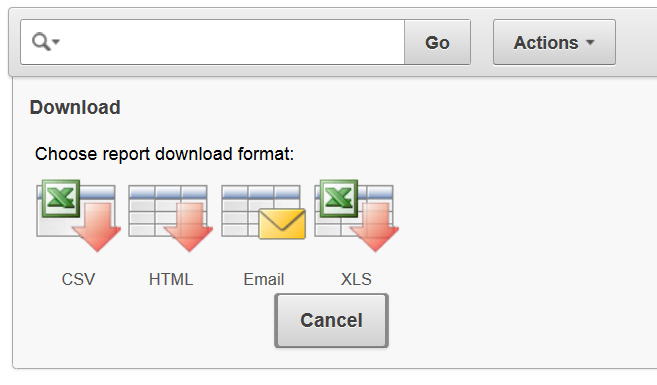


Download when click on (JQuery Selector)

Download starts when clicking on objects that are selected with this JQuery selector.

**Replace standard IR XLS download**

Replace standard IR download XLS menu functionality to download XLSX feature.



This functionality will be replaced

Installing sample application

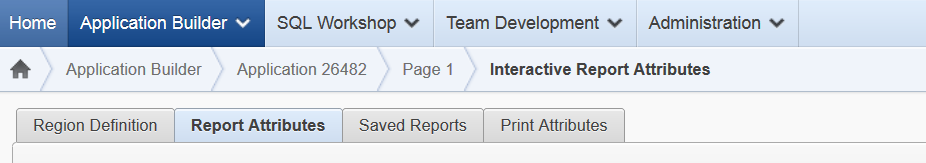
You can find sample application in SAMPLE\_APPLICATION folder in plugin archive.

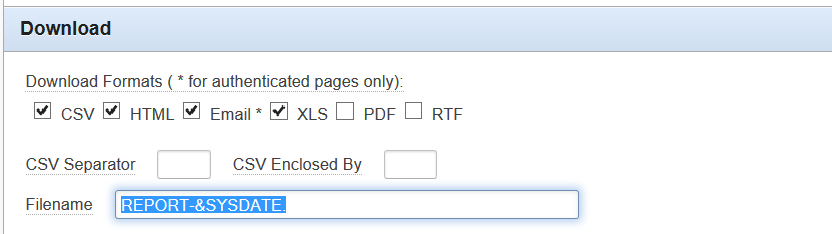
To install sample application please follow this [Instructions](http://docs.oracle.com/cd/E37097_01/doc/doc.42/e35125/deploy_import.htm#HTMDB25833).

FAQ (How To)

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

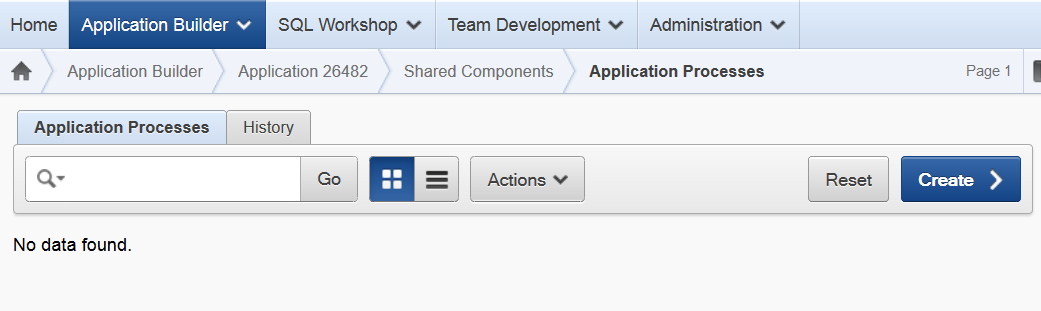
When not empty, value from *Report Attributes*-> *Download*-> *Filename* field will be used.

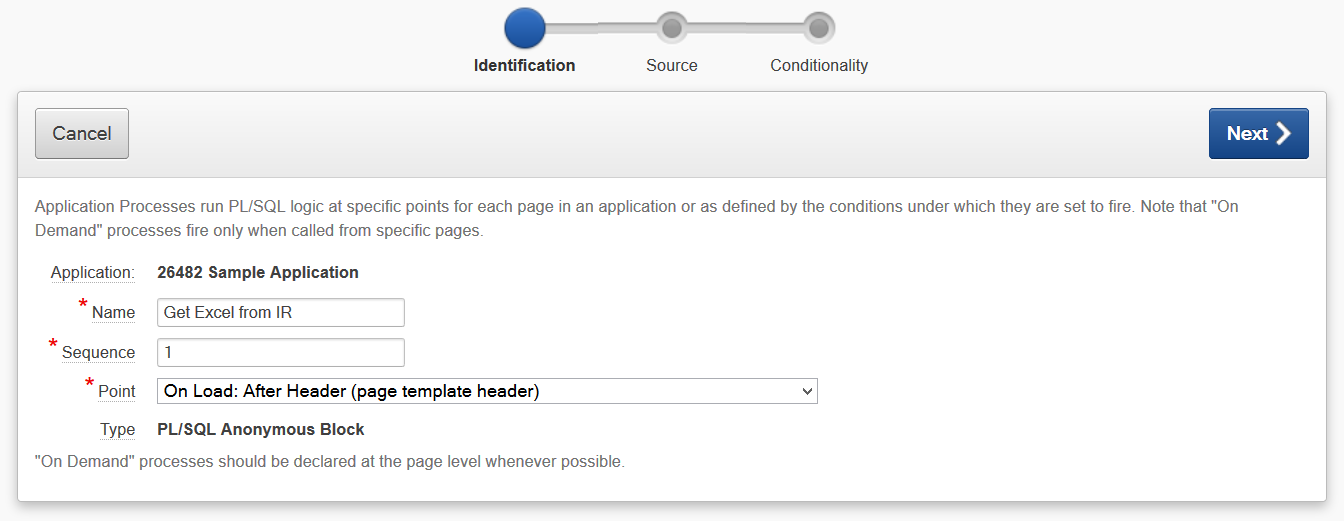


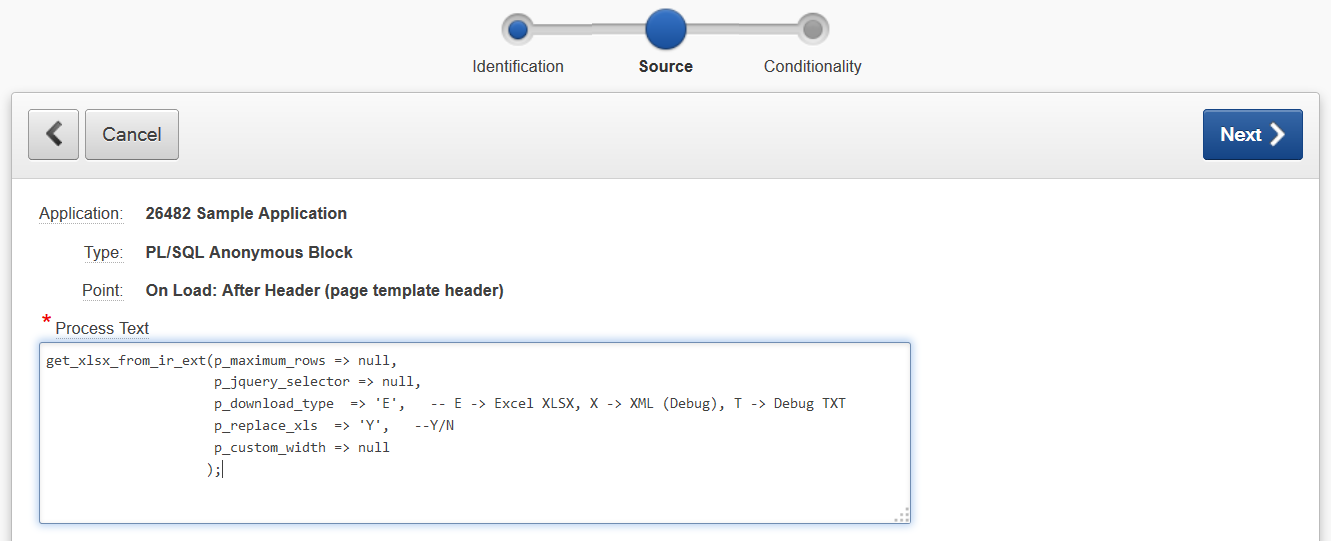
****

Easy implement this functionality to all Interactive report in your application

1. Install plugin and required packages.
2. Create “**On Load: After Header**” application process.







Please set your custom parameters or leave default settings.

get\_xlsx\_from\_ir\_ext(

p\_maximum\_rows => null,

p\_jquery\_selector => null,

p\_download\_type => 'E', -- E -> Excel XLSX,

-- X -> XML (Debug),

-- T -> Debug TXT

p\_replace\_xls => 'Y', --Y/N

p\_custom\_width => null

);

Parameters description:

* p\_maximum\_rows - see *Maximum Rows* plugin parameter
* p\_jquery\_selector - see *Download when click on (JQuery Selector)* plugin parameter
* p\_download\_type - see *Return Data* plugin parameter
* p\_replace\_xls - see *Replace standard IR XLS download* plugin parameter
* p\_custom\_width - see FAQ

Set custom columns widths

This functionality is only available, when plugin is implemented as application process.

For this please set *p\_custom\_width* parameter with required value. This is comma-delimited string with values, each value consist of column name and column width.

So, this string

PROJECT=151,TASK\_NAME=319,START\_DATE=133,

set

width = 151 to the column with name = “PROJECT”,

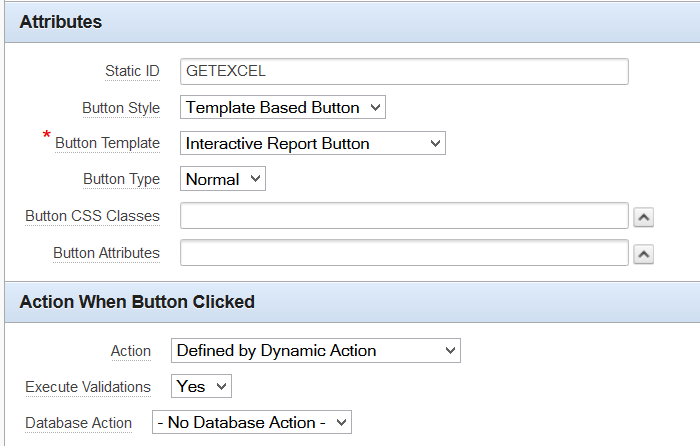
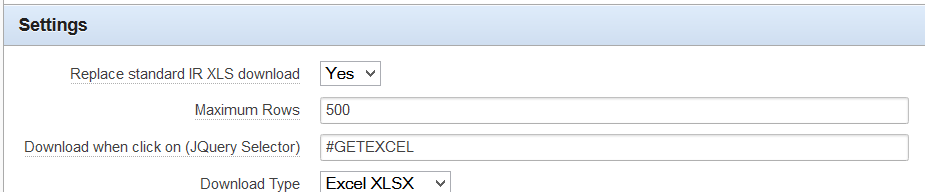
width = 319 to the column with name = “NAME”,

width = 133 to the column with name = “START\_DATE”

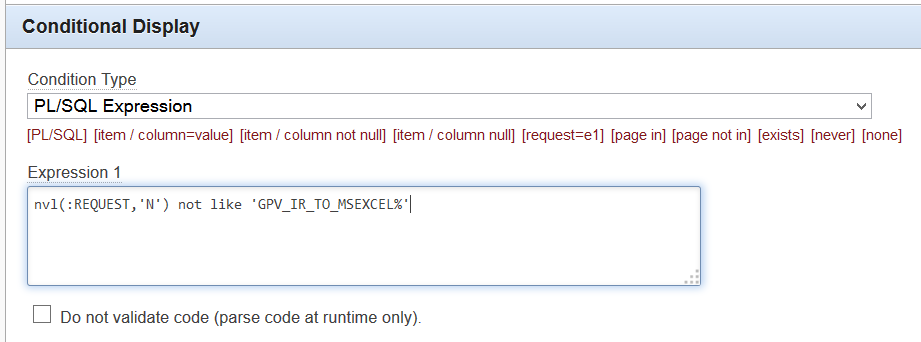
**Please do not forgive comma at the end of the string!**

Width are set in special units that are **approximately** equal to pixels.

Adding custom download button

1. First create a button with certain **Static ID** and Action “**Defined by Dynamic Actions**” 
2. Edit “*Download when click on (JQuery Selector)”* property of Process with type “*GPV Interactive Report to MSExcel [Plug-in]*”. Add **Static ID** of the button with ‘#’-prefix. 

How to exclude reports 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 'GPV\_IR\_TO\_MSEXCEL%'*** Expression to exclude column from export,

and ***nvl(:REQUEST,'N') like 'GPV\_IR\_TO\_MSEXCEL%'***  Expression to make column visible on export only.