



CGB629

Cognos Reporting with Docs Online

Hands on Lab for Advance Users

ONESolution PA Finance

Contents

Course Overview 3

Drill-Through to Documents Online functionality from a Cognos report 4

 Prerequisites 4

 Documents Online 5

 Attachment Definitions..... 5

 Step by Step Practice Exercise 6

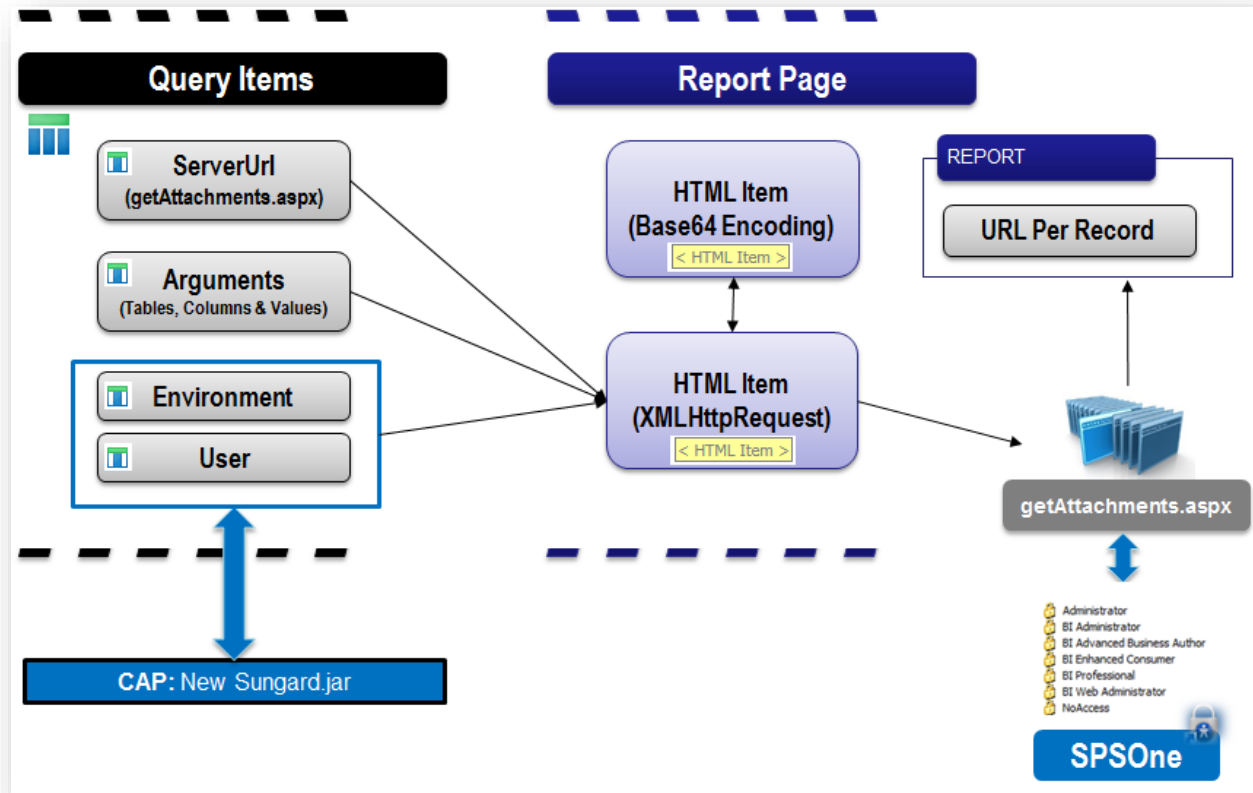
Course Overview

In this course, students will use the IBM Cognos Report Studio tool to learn concept and techniques to manually add drill-through definitions in Report Studio to Documents Online. Lessons focus on showing the concept using ONESolution Finance report in IBM Cognos Report Studio.

Upon completion of this course, students will have a greater understanding of:

- Documents Online
- ONESolution Finance Attachment Definitions
- Drill-Through to Documents Online from Cognos report concept and development techniques

Drill-Through to Documents Online functionality from a Cognos report



Prerequisites

- **Cognos Report Studio:** Advance reporting techniques
- **ONESolution Attachment Definitions:** General technical understanding
 - Knowledge of attachment definition table and column items tied to image type looking to drill to.
- **ONESolution Documents Online:** Basic Understanding
- **JavaScript:** Basic understanding
- **Host Name:** Location in the network for **getAttachments.aspx** file

(<WRITE YOUR HOSTNAME HERE>)

<http://<hostname>/Finance/Documents/getAttachments.aspx>

Documents Online

Documents Online provides you with the ability to store images in the database and relate those images to information in Finance.

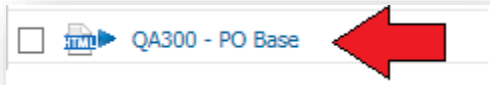
Attachment Definitions

The Attachment Definition controls which Tables and Columns will be used to link a Document to Finance Data. This can be as simple as a link to a single table or a more complex link referred to as "Document Progression".

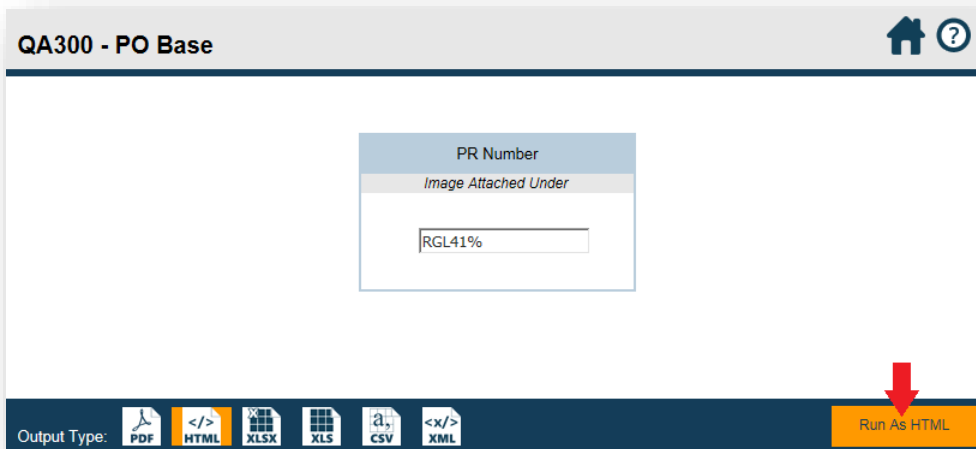
Please refer to ONESolution Finance "Databound Attachments**" documentation for additional information.*

Step by Step Practice Exercise

- 1) In **Public Folders**, Click on **Training** yellow folder, then click **QA300 - PO Image Drill** to run the report



- 2) Keep default prompt value, and click **Run As HTML**



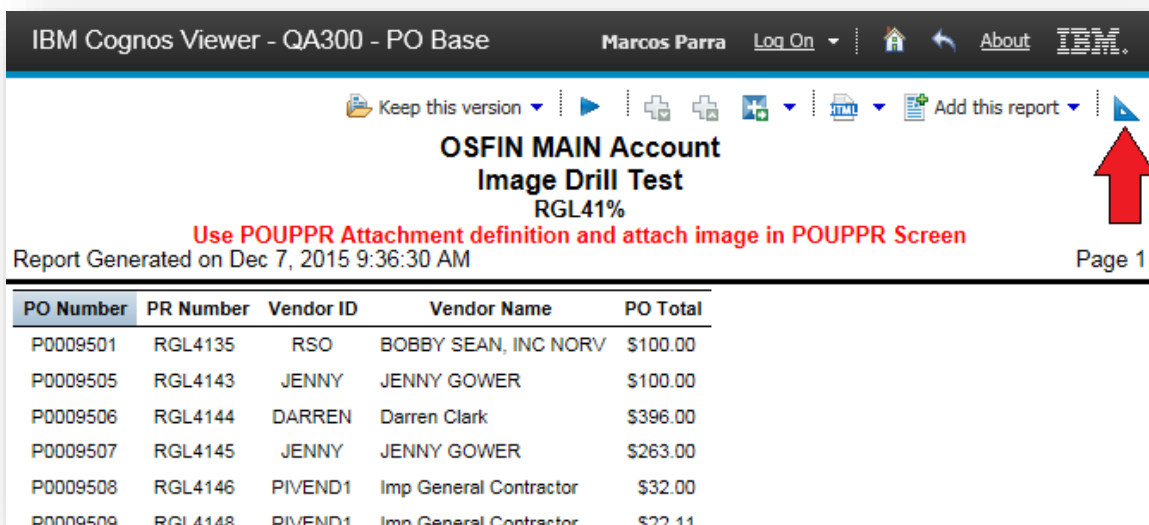
QA300 - PO Base

PR Number
Image Attached Under
RGL41%

Output Type: PDF HTML XLSX XLS CSV XML

Run As HTML

- 3) After report renders, click the Open with Report Studio icon on **Top Right** to edit



IBM Cognos Viewer - QA300 - PO Base

Marcos Parra Log On

Keep this version

OSFIN MAIN Account
Image Drill Test
RGL41%

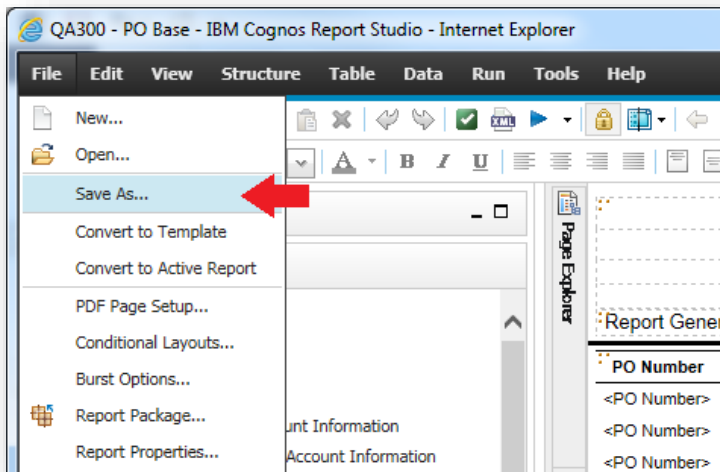
Use POUPPR Attachment definition and attach image in POUPPR Screen

Report Generated on Dec 7, 2015 9:36:30 AM

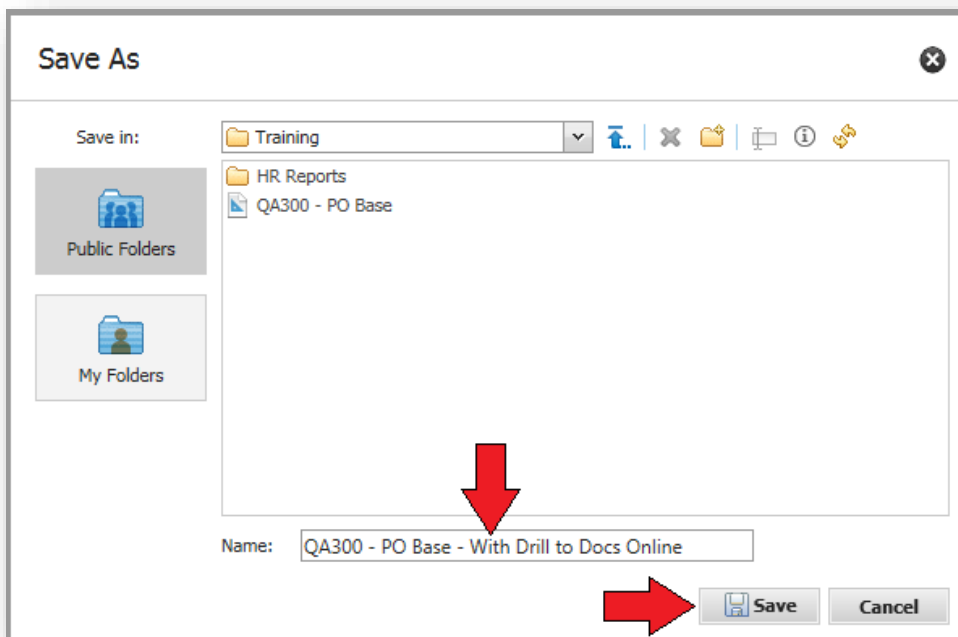
Page 1

PO Number	PR Number	Vendor ID	Vendor Name	PO Total
P0009501	RGL4135	RSO	BOBBY SEAN, INC NORV	\$100.00
P0009505	RGL4143	JENNY	JENNY GOWER	\$100.00
P0009506	RGL4144	DARREN	Darren Clark	\$396.00
P0009507	RGL4145	JENNY	JENNY GOWER	\$263.00
P0009508	RGL4146	PIVEND1	Imp General Contractor	\$32.00
P0009509	RGL4148	PIVEND1	Imp General Contractor	\$22.11

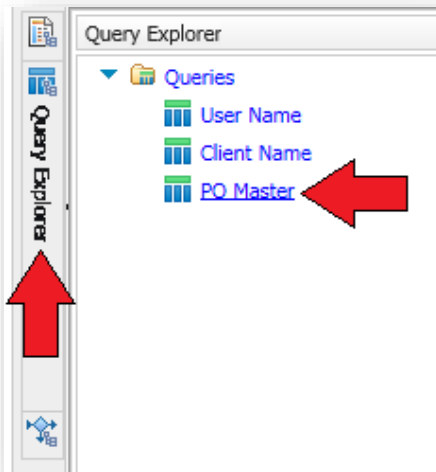
- 4) In Report Studio **menu** go to **File**, and click **Save As...**



- 5) On the **Save As** windows, enter new report name as “QA300 - PO Base - With Drill to Docs Online” and click **Save**



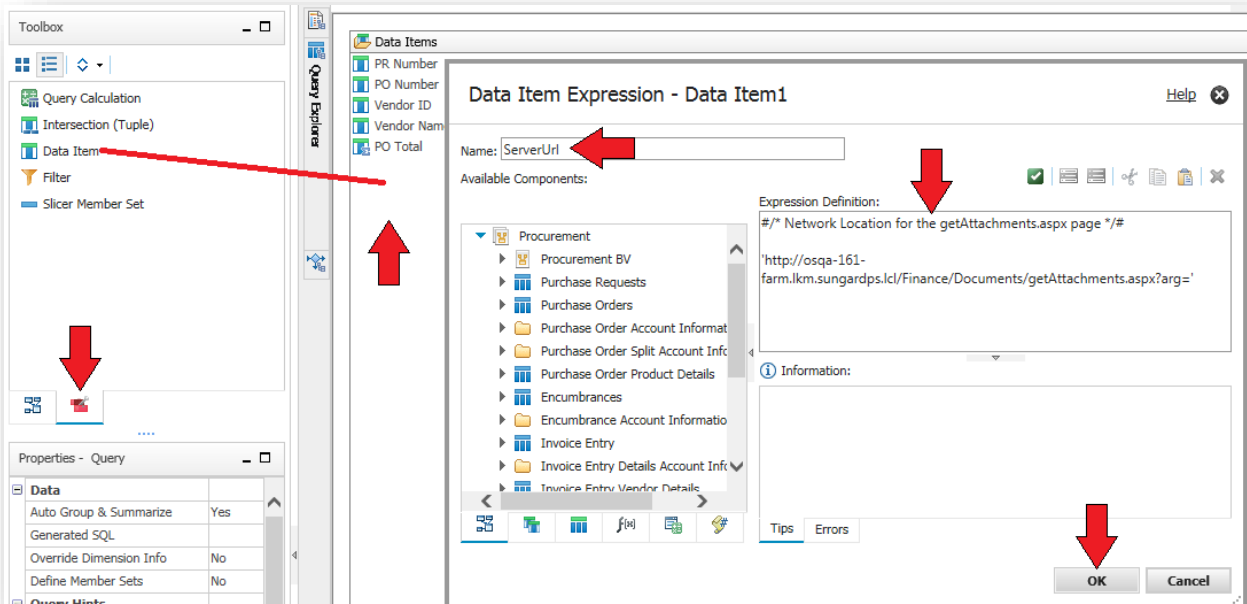
- 6) In **Query Explorer**, click on **PO Master** report query



- 7) From the **Toolbox**, Grab and Drop a new **Data Item** object to **Data Items** area, Change **Name** to **ServerUrl**, then copy and paste the following expression to **Expression Definition** (update **<hostname>** properly). Then Click **OK**:

```
#/* Network Location for the getAttachments.aspx page */#
```

```
'http://<hostname>/Finance/Documents/getAttachments.aspx?arg='
```

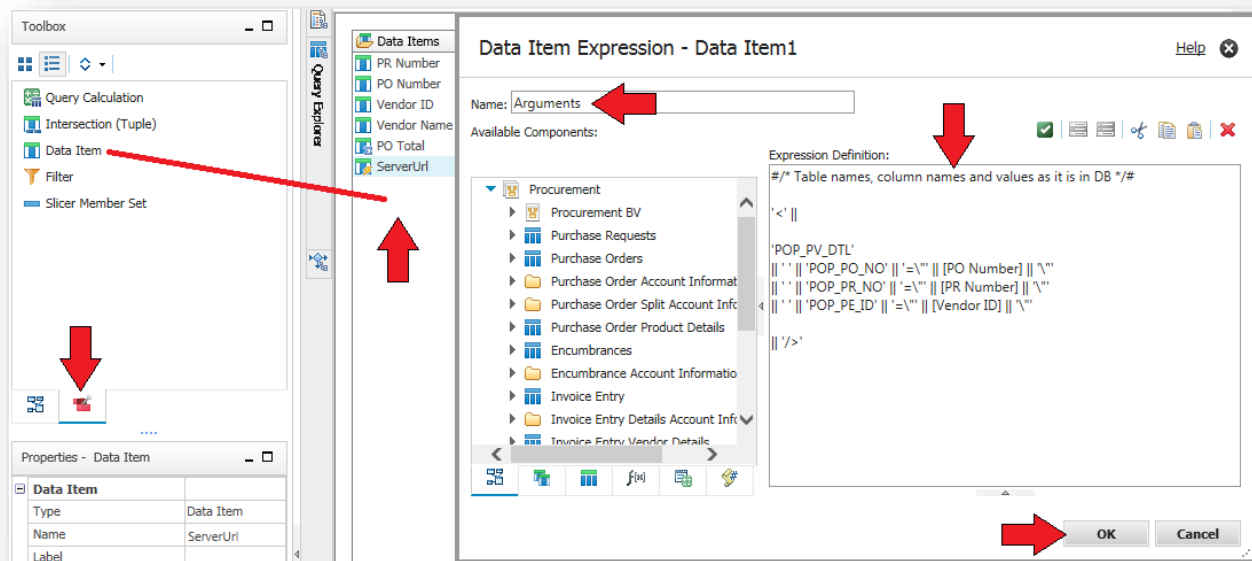


- 8) From the Toolbox, Grab and Drop a new **Data Item** object to **Data Items** area, Change **Name** to **Arguments**, then copy and paste the following expression to **Expression Definition** (update **<tablename>**, **<columnname>** and **<columnvalue>** properly). Then Click **OK**:

```

#/* Table names, column names and values as it is in DB */#
'<' ||
'<tablename>'
|| ' ' || ' <columnname1>' || '=' || ' ' || <columnvalue1> || ' \"'
|| ' ' || ' <columnname2>' || '=' || ' ' || <columnvalue2> || ' \"'
|| ' ' || ' <columnname3>' || '=' || ' ' || <columnvalue3> || ' \"'
|| ' />'

```



**The values for <tablename>, <columnname1> will correspond to the values in the attachment definition being used. These definitions can be found in Admin Console > Documents Online > Setup > Attach Definitions*

Note: For this sample use following:

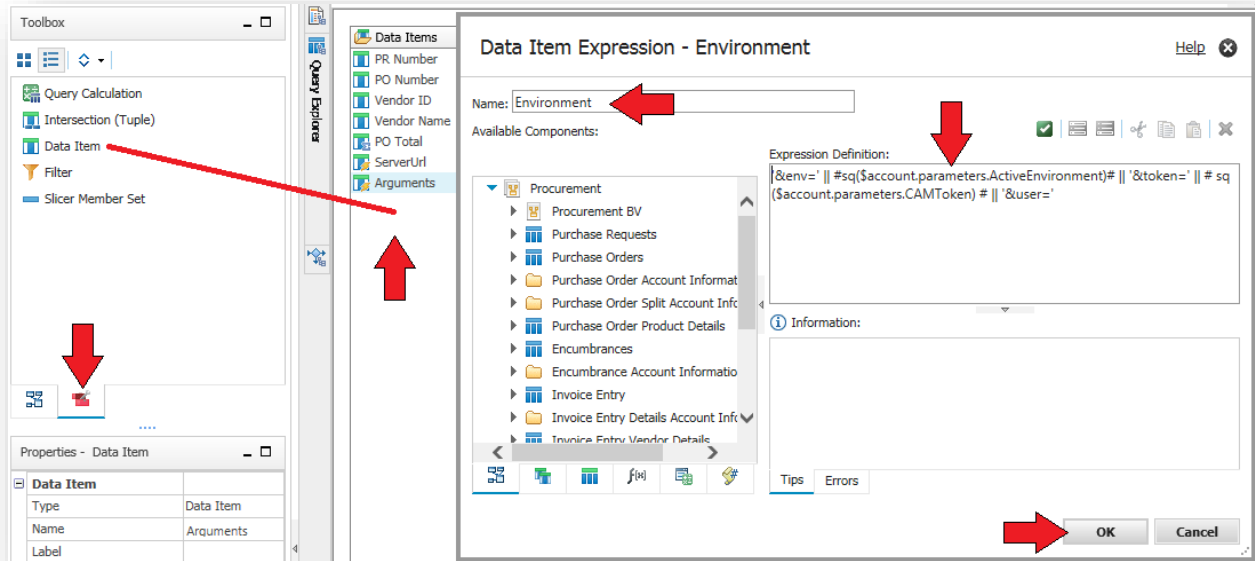
```

<tablename> = POP_PV_DTL
<columnname1> = POP_PO_NO
<columnname2> = POP_PR_NO
<columnname3> = POP_PE_ID
<columnvalue1> = [PO Number]
<columnvalue2> = [PR Number]
<columnvalue3> = [Vendor ID]

```

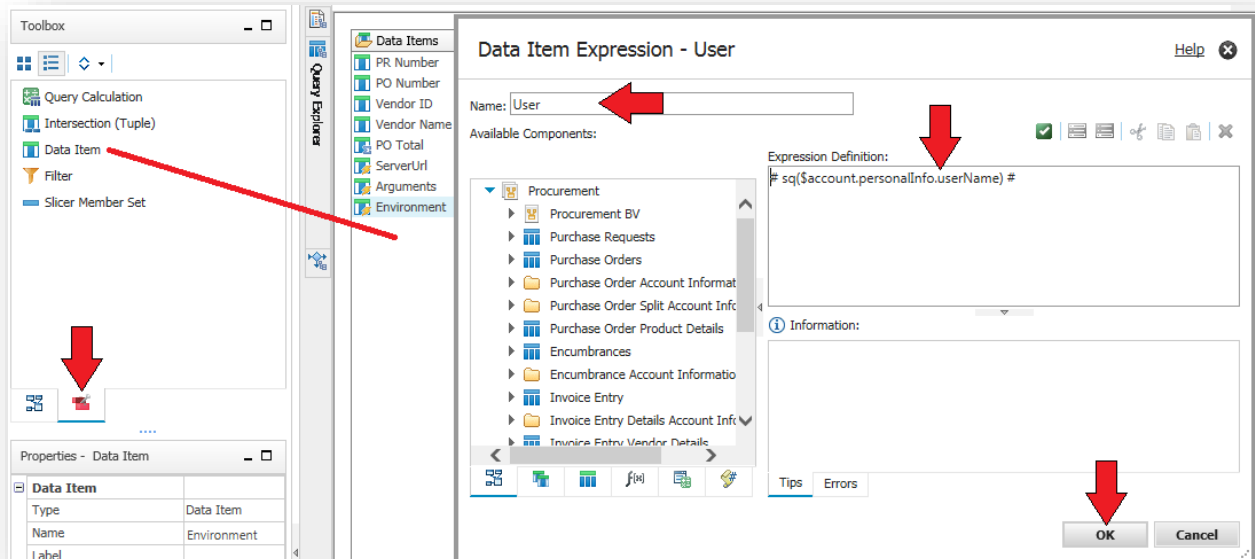
- 9) From the Toolbox, Grab and Drop a new **Data Item** object to **Data Items** area, Change **Name** to **Environment**, then copy and paste the following expression to **Expression Definition**. Then Click **OK**:

```
'&env=' || #sq($account.parameters.ActiveEnvironment) # || '&token=' ||  
# sq($account.parameters.CAMToken) # || '&user='
```

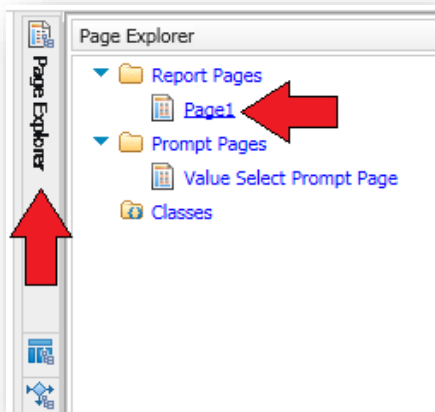


- 10) From the Toolbox, Grab and Drop a new **Data Item** object to **Data Items** area, Change **Name** to **User**, then copy and paste the following expression to **Expression Definition**. Then Click **OK**:

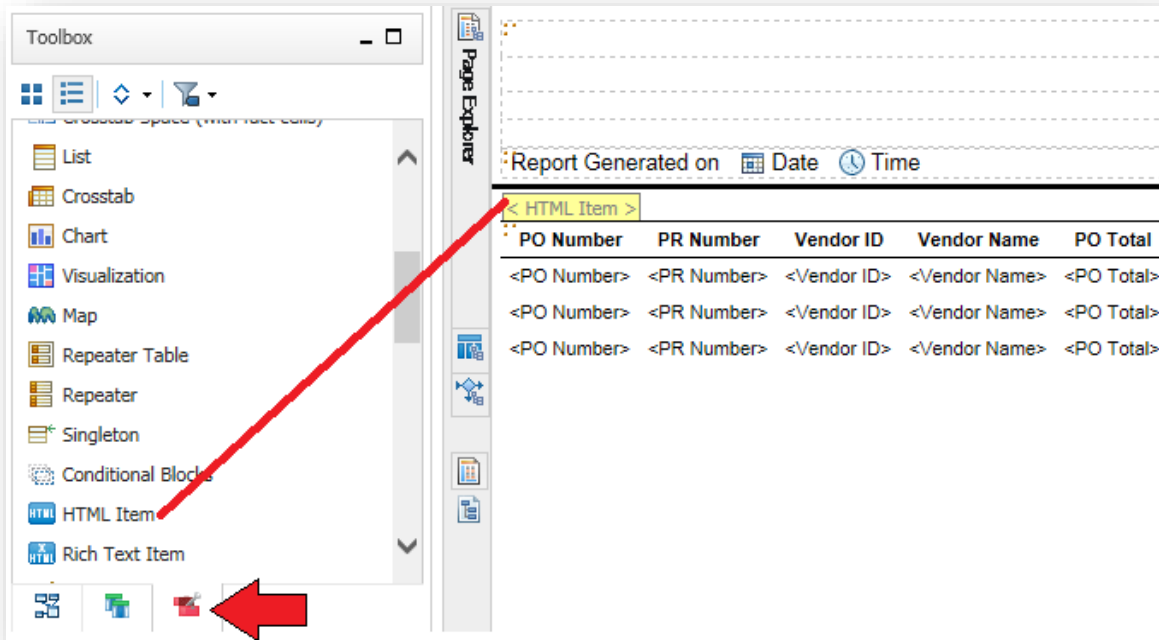
```
# sq($account.personalInfo.userName) #
```



11) In **Page Explorer**, click on **Page1** report page

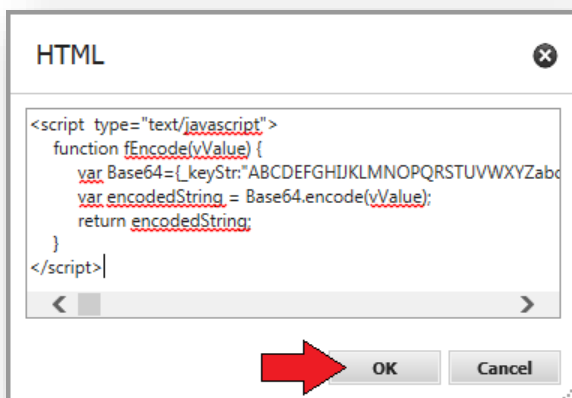


12) From the **Toolbox**, Grab and Drop a new **HTML Item** object before the report List, as show below

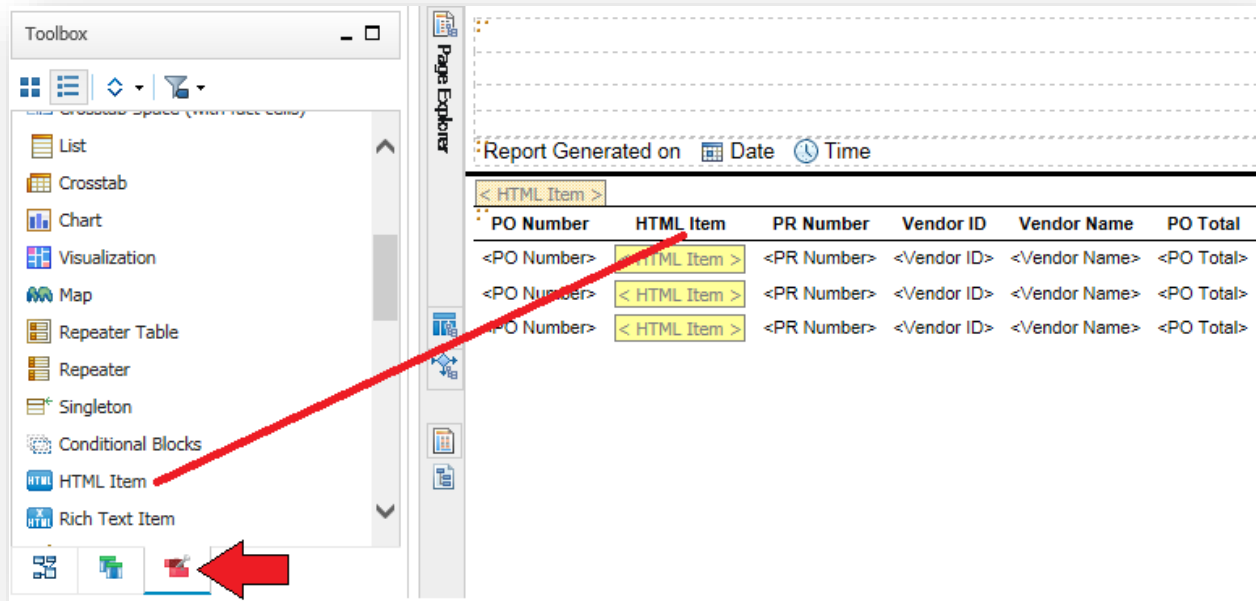


- 13) **Double Click** on the new **HTML Item** to edit. Then **Copy and Paste** the following text in the HTML window and Click **OK**

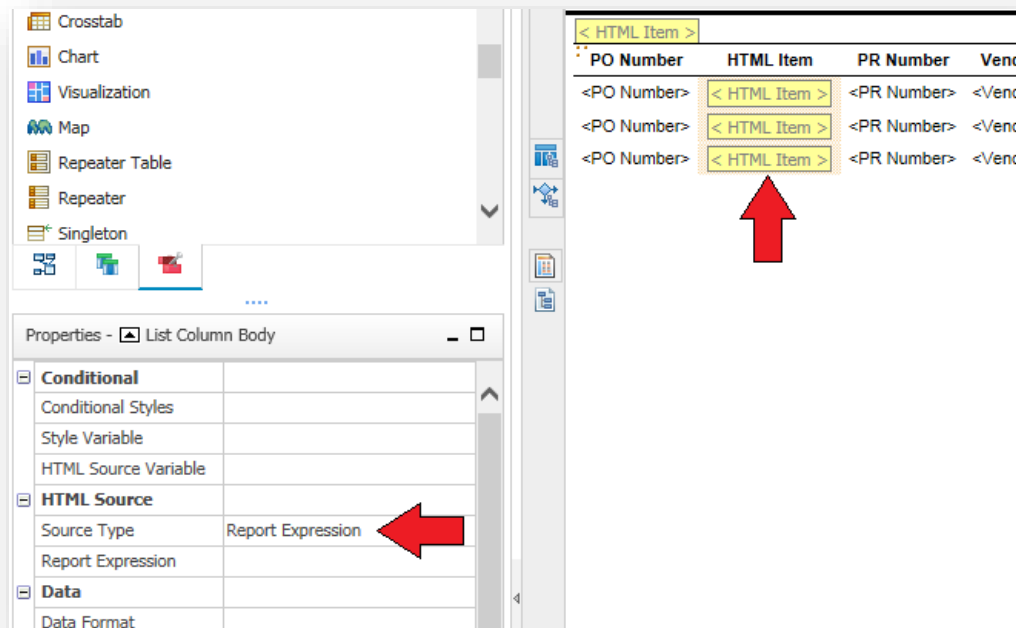
```
<script type="text/javascript">
    function fEncode(vValue) {
        var
Base64={_keyStr:"ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz0
123456789+/",encode:function(e){var t="";var n,r,i,s,o,u,a;var
f=0;e=Base64._utf8_encode(e);while(f<e.length){n=e.charCodeAt(f++);r=e
.charCodeAt(f++);i=e.charCodeAt(f++);s=n>>2;o=(n&3)<<4|r>>4;u=(r&15)<<
2|i>>6;a=i&63;if(isNaN(r)){u=a=64}else
if(isNaN(i)){a=64}t=t+this._keyStr.charAt(s)+this._keyStr.charAt(o)+th
is._keyStr.charAt(u)+this._keyStr.charAt(a)}return
t},decode:function(e){var t="";var n,r,i;var s,o,u,a;var
f=0;e=e.replace(/[\^A-Za-z0-
9\+\|\\/\|=]/g,"");while(f<e.length){s=this._keyStr.indexOf(e.charAt(f++))
;o=this._keyStr.indexOf(e.charAt(f++));u=this._keyStr.indexOf(e.charAt
(f++));a=this._keyStr.indexOf(e.charAt(f++));n=s<<2|o>>4;r=(o&15)<<4|u
>>2;i=(u&3)<<6|a;t=t+String.fromCharCode(n);if(u!=64){t=t+String.fromC
harCode(r)}if(a!=64){t=t+String.fromCharCode(i)}}t=Base64._utf8_decode
(t);return t},_utf8_encode:function(e){e=e.replace(/\r\n/g,"\n");var
t="";for(var n=0;n<e.length;n++){var
r=e.charCodeAt(n);if(r<128){t+=String.fromCharCode(r)}else
if(r>127&&r<2048){t+=String.fromCharCode(r>>6|192);t+=String.fromCharC
ode(r&63|128)}else{t+=String.fromCharCode(r>>12|224);t+=String.fromCha
rCode(r>>6&63|128);t+=String.fromCharCode(r&63|128)}}return
t},_utf8_decode:function(e){var t="";var n=0;var
r=c1=c2=0;while(n<e.length){r=e.charCodeAt(n);if(r<128){t+=String.from
CharCode(r);n++}else
if(r>191&&r<224){c2=e.charCodeAt(n+1);t+=String.fromCharCode((r&31)<<6
|c2&63);n+=2}else{c2=e.charCodeAt(n+1);c3=e.charCodeAt(n+2);t+=String.
fromCharCode((r&15)<<12|(c2&63)<<6|c3&63);n+=3}}return t}}
        var encodedString = Base64.encode(vValue);
        return encodedString;
    }
</script>
```



- 14) From the **Toolbox**, Grab and Drop a new **HTML Item** object as a new column to the list, between **PO Number** and **PR Number**

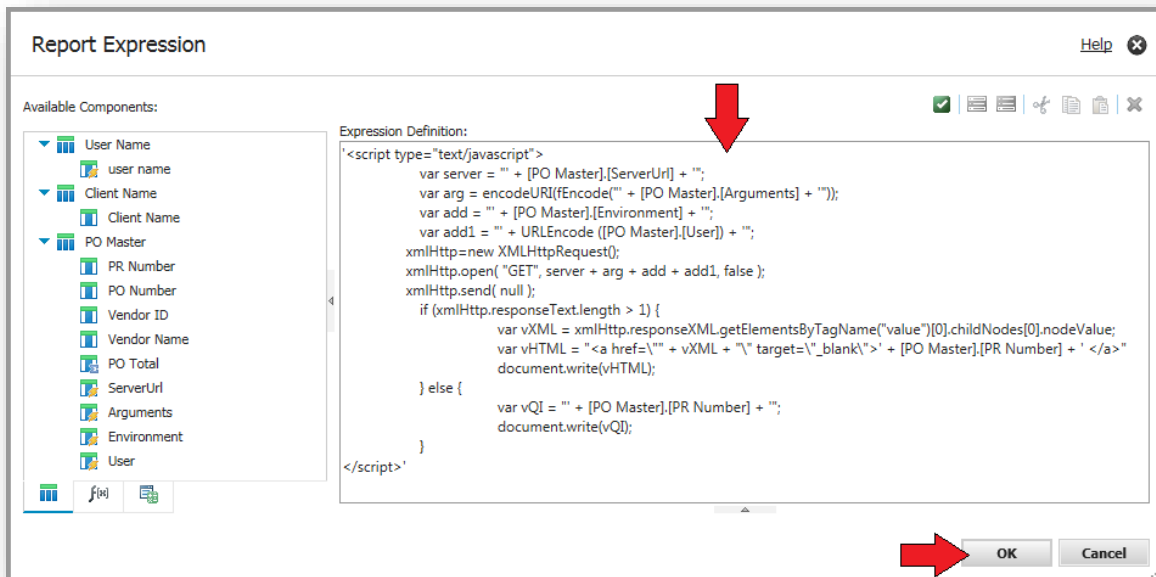


- 15) Click to select the new **HTML Item** in the list and change **Source Type** to **Report Expression** under properties



- 16) **Double Click** on the new **HTML Item** to edit. Then **Copy and Paste** following text in the HTML window (change **<QueryName>** to **[PO Master]** for this sample and **<DataItemName>** to **[PR Number]** for this sample) and Click **OK**

```
'<script type="text/javascript">
    var server = '' + <QueryName>.[ServerUrl] + '';
    var arg = encodeURIComponent('' + <QueryName>.[Arguments] + '');
    var add = '' + <QueryName>.[Environment] + '';
    var add1 = '' + URLEncode (<QueryName>.[User]) + '';
    xmlHttp=new XMLHttpRequest();
    xmlHttp.open( "GET", server + arg + add + add1, false
);
    xmlHttp.send( null );
    if (xmlHttp.responseText.length > 1) {
        var vXML =
xmlHttp.responseXML.getElementsByTagName("value")[0].childNodes[0].nodeValue;
        var vHTML = "<a href=\"\" + vXML + \"\" target=\"_blank\">' +
<QueryName>.<DataItemName> + ' </a>"
        document.write(vHTML);
    } else {
        var vQI = '' + <QueryName>.<DataItemName> + '';
        document.write(vQI);
    }
}</script>'
```

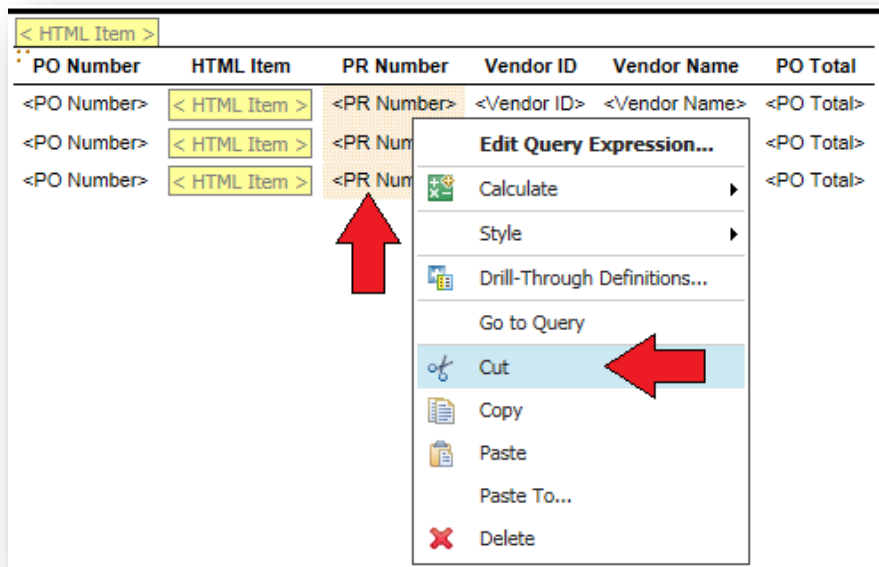


Note: For this sample use following:

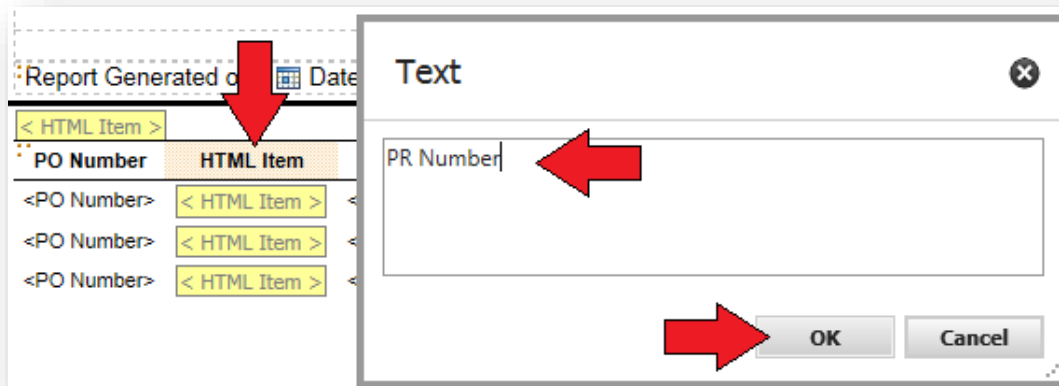
<QueryName> = [PO Master]


<DataItemName> = [PR Number]

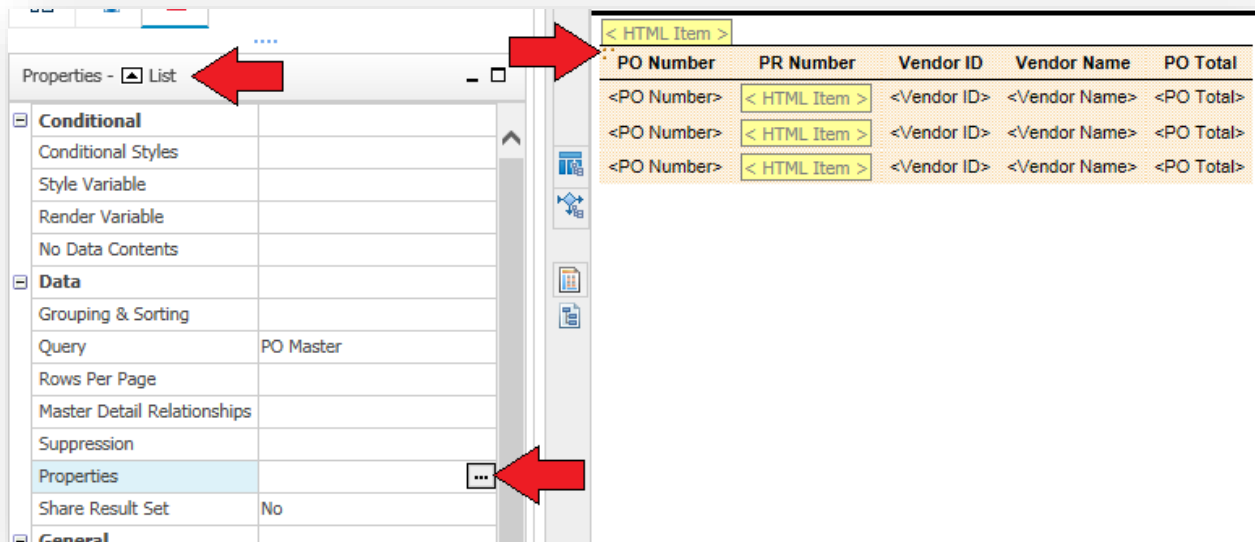
17) Right Click on **PR Number** column in the report list and Click **Cut**



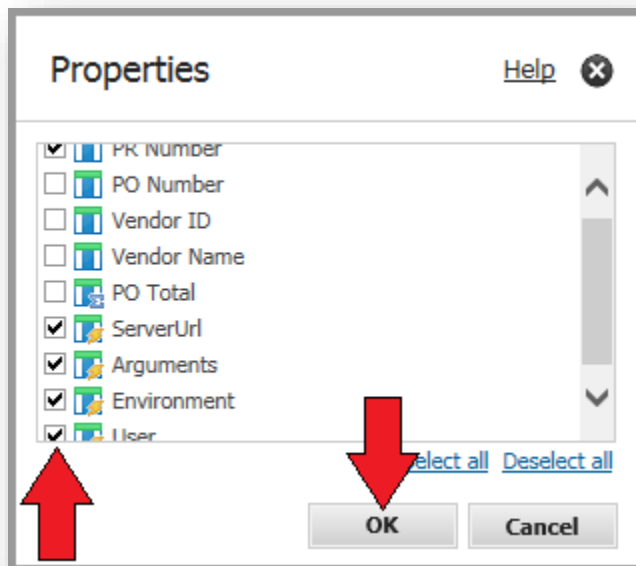
18) Double Click on **HTML Item** column header to edit. Change **Text** to **PR Number**. Then Click **OK**



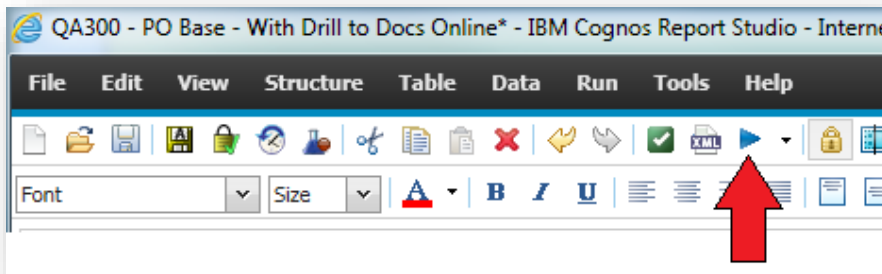
19) Select the report **List** by Clicking on top left corner, Then Click on  to edit **Properties**



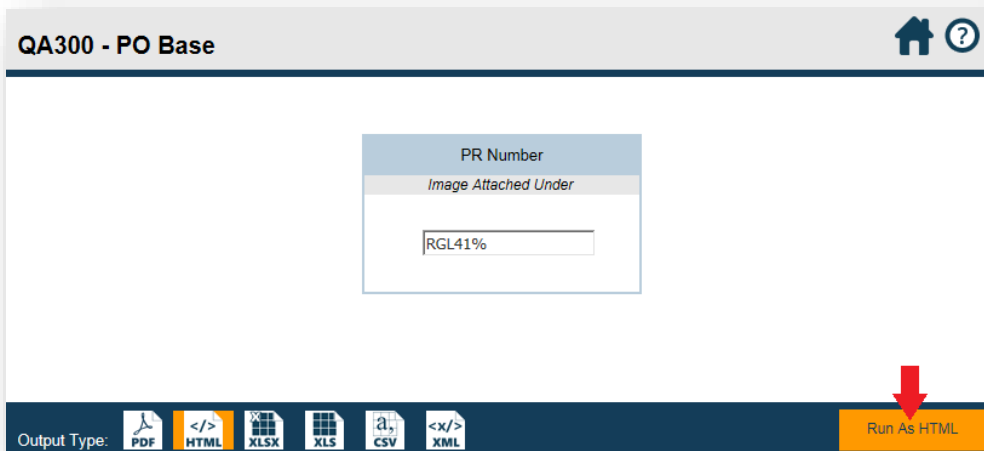
20) In the **Properties** window select the following Data Items: **PR Number**, **ServerUrl**, **Arguments**, **Environment** and **User**. Then Click **OK**



21) Click on **Run** icon on top **Toolbar** menu to run and test your new report



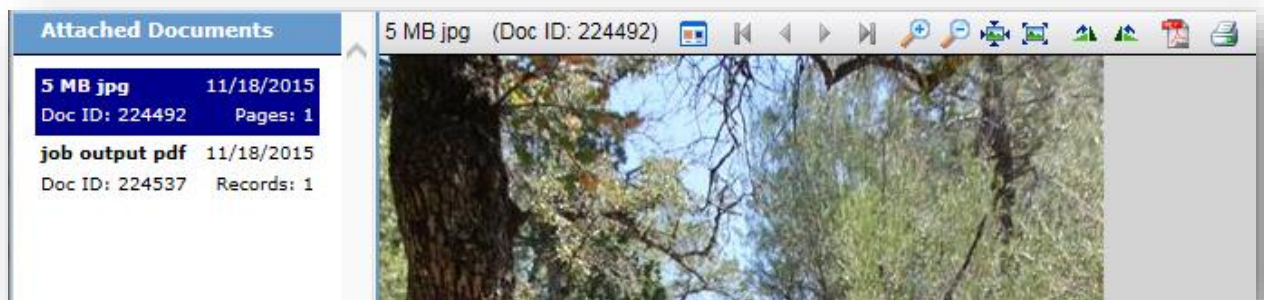
22) Keep default prompt value, and click **Run As HTML**



23) After report display, note the **PR Number** column render as **Link** if any attachment exist

PO Number	PR Number	Vendor ID	Vendor Name	PO Total
P0009501	RGL4135	RSO	BOBBY SEAN, INC NORV	\$100.00
P0009505	RGL4143	JENNY	JENNY GOWER	\$100.00
P0009506	RGL4144	DARREN	Darren Clark	\$396.00
P0009507	RGL4145	JENNY	JENNY GOWER	\$263.00
P0009508	RGL4146	PIVEND1	Imp General Contractor	\$32.00
P0009509	RGL4148	PIVEND1	Imp General Contractor	\$22.11
P0009737	RGL4165	PIVEND1	Imp General Contractor	\$100.00
P0009738	RGL4167	PIVEND1	Imp General Contractor	\$100.00
P0009739	RGL4168	PIVEND1	Imp General Contractor	\$24.72
P0009740	RGL4169	PIVEND1	Imp General Contractor	\$100.00
P0009741	RGL4170	PIVEND1	Imp General Contractor	\$100.00
P0009742	RGL4171	123	Tools QA Testing	\$1.00
P0009743	RGL4174	DARREN	Darren Clark	\$13.00
P0009744	RGL4175	PIVEND1	Imp General Contractor	\$100.00
P0009745	RGL4176	PIVEND1	Imp General Contractor	\$100.00
P0009746	RGL4177	PIVEND1	Imp General Contractor	\$100.00
P0009747	RGL4179	HUGH	Hugh PEID Name	\$100.00
P0009748	RGL4180	HUGH	Hugh PEID Name	\$100.00
P0009749	RGL4181	HUGH	Hugh PEID Name	\$100.00
P0009750	RGL4184	HUGH	Hugh PEID Name	\$100.00

24) Clicking the **Link** will open a new browser tab with **Documents Online** containing all attachments for selected record in the report



25) **Close** all browser windows