



BI Office

Guide to External URL's
Version 6.5

- A. URL Structure..... 3**
 - URL Examples.....3
- B. External URL configuration..... 4**
 - URL Flags.....4
 - bookid 4
 - lspas 4
 - report 4
 - ws 4
 - wsb 4
 - isExported 5
 - isDisabledAnalytics 5
 - isDashboardPanelOn 5
- C. Parameterizing URL’s 5**
 - “expr” 5
 - inputs 6
- D. JavaScript Content Load-Up 7**
 - Example of the JS loader7

Copyright Pyramid Analytics 2010-2018

A. URL Structure

Users can open content directly from a browser using a special URL string that instructs the Pyramid engine to load the content item directly - circumventing the backstage interface. Further, the URL string can include certain switches that will force the application to load up the content in specific ways.

The following displays the external URL structure:

```
URL = <Pyramid Analytics Address> +
"?bookid=" + <Book ID> +
"|ispasFalse|report" + <Report ID> +
"|ws" + <workspaceType> +
"|wsb" + <workspaceButtonsConfiguration> +
"|isDisabledAnalytics" + <True/False> +
"|isDashboardPanelOnTrue" + <True/False> +
"|expr=" + <BioXL Parameterization Expression> OR "|inputs=" + <BioPT Inputs Expression>
```

URL Examples

- A Data Discovery report in dashboard mode, with panel on and with no ability to go back and analyze that report:

```
http://secure.pyramid.2016/default.aspx?bookid=cb84bf1b-078b-4b69-b734-5212f57c097e|ispasFalse|report805fcef1-1669-49c5-ba2e-aa227407346f|ws3|wsb0|isExportedFalse|isDisabledAnalyticsTrue|isDashboardPanelOnTrue
```

- A Data Discovery report in dashboard mode, with panel off and with 'pop-up analytics' button:

```
http://secure.pyramid.2016/default.aspx?bookid=cb84bf1b-078b-4b69-b734-5212f57c097e|ispasFalse|report805fcef1-1669-49c5-ba2e-aa227407346f|ws3|wsb2|isExportedFalse|isDisabledAnalyticsTrue|isDashboardPanelOnFalse
```

- A Story Board that hides the back button:

```
http://secure.pyramid.2016/default.aspx?bookid=890cc276-2dc0-43c5-8957-fc72f40eeb66|ispasFalse|reportd57097d3-2b8b-4c6d-a61b-0abeae525206|ws5|wsb0|isExportedTrue|isDisabledAnalyticsTrue|isDashboardPanelOnTrue
```

- A Story Board opened in HTML 5:

```
http://secure.pyramid.2016/html5?bookid=890cc276-2dc0-43c5-8957-fc72f40eeb66|ispasFalse|reportd57097d3-2b8b-4c6d-a61b-0abeae525206|ws5|wsb0|isExportedTrue|isDisabledAnalyticsTrue|isDashboardPanelOnTrue
```

B. External URL configuration

As demonstrated above, there are several parameters sent to the pyramid engine, which can be configured with different values. Below are the parameters' description, usage and default values:

URL Flags

bookid

The 'bookid' parameter is the same book GUID kept in the database, and it is given to the user when he uses the email/link option of the backstage distribution.

Usage Example: [bookid=cb84bf1b-078b-4b69-b734-5212f57c097e](#)

Default Value: N/A

ispas

The 'ispas' parameter is a Boolean which determines if that report is a converted ProClarity report.

Usage Example: [ispasFalse](#)

Default Value: False

Valid Values: True, False

report

The 'report' parameter is the same report GUID kept in the database, and it is given to the user when he uses the email/link option of backstage distribution.

Usage Example: [report805fce1-1669-49c5-ba2e-aa227407346f](#)

Default Value: N/A

ws

The 'ws' parameter sets the BioXL workspace type. The range of legit values for the workspace types is 0-2, as explained below:

- '0' – Dashboard workspace (Lite)
- '1' – Analytic workspace
- '2' – Viewer workspace

Usage Example: [ws1](#)

Default Value: 1

wsb

The 'wsb' parameter sets the BioXL buttons type. The range of legit values for the buttons types is 0-2, as explained below:

- '0' - NORMAL – Navigational buttons, Back to Analytic View button and the Run button are visible.
- '1' -NONE – No buttons are visible.
- '2' - SHOW_PYRAMID – Pop-up Analytics button and the Run button are visible.

Usage Example: [wsb0](#)

Default Value: 0

isExported

The 'isExported' parameter is a Boolean which determines if that report won't have back button.

(Can't go back to analytics)

Usage Example: [isExportedFalse](#)

Default Value: False

isDisabledAnalytics

The 'isDisabledAnalytics' parameter is a Boolean which determines whether the user is allowed to go back and analyze the report. If not, when the user hits the back button in Data Discovery/Story Board he is sent to the backstage.

Usage Example: [isDisabledAnalyticsTrue](#)

Default Value: True

Valid Values: True, False

isDashboardPanelOn

The 'isDashboardPanelOn' parameter is a Boolean which determines if the Title bar/Buttons Panel of the Data Discovery is visible.

Usage Example: [isDashboardPanelOnTrue](#)

Default Value: True

Valid Values: True, False

C. Parameterizing URL's

"expr"

The 'expr' tag is an indicator for passing selection parameters from the URL to be used in the Data Discovery application.

Elements are to be appended to the 'expr' tag, and are incased in either a `<m></m>` or `<s></s>`. 'm' is used when passing a single member whereas 's' is used to pass a set of members belonging to the same hierarchy. The number of elements that can be passed is not limited.

The Pyramid Analytics engine requires that all single member parameters ('m') are placed before any set parameters ('s').

The resolution of the parameters will follow these rules:

1. If it's a member and if the dimensions of the parameters DO NOT appear on the rows or columns, it should go into the WHERE.
2. If the dimension is parameterized using Pyramid's parameter engine, the member/set will be used to populate the parameter field with the selections on the rows or the columns.
3. If it's a member and If the dimensions of the parameters DOES appear on the rows or columns (and it's NOT parameterized by Pyramid), we will replace ALL selections for that dimension on that axis with the parameters chosen.

Usage Example:

By default the following URL would specify the member to be used for the Country hierarchy in the query stored in the Pyramid report requested:

```
http://pyramid.2012/default.aspx?bookid=fbd38625-2bf5-4c02-a37a-01a9e926d14c|ispasFalse|report1662ced9-b8b2-4c0e-9c3e-4318ab13eb99|ws1|wsb0|isExportedFalse|isDisabledAnalyticsTrue|isDashboardPanelOnTrue|  
expr=<m>[Geography].[Country].%26amp;[United%20States]</m>
```

inputs

The 'inputs' tag is an indicator for passing selection parameters from the URL to be used in the Story Board application.

'inputs' parameters behave in much the same way as the 'expr' tag (see above), with the exception that 'inputs' require a "name" attribute. Any parameter entered without a name attribute will have no effect.

Parameters are mapped to the panels of a Story Board slide using the "Inputs" toggle in the Interactions tab.

Usage Example:

```
http://pyramid.2012/default.aspx?bookid=fbd38625-2bf5-4c02-a37a-01a9e926d14c|ispasFalse|report1662ced9-b8b2-4c0e-9c3e-4318ab13eb99|ws1|wsb0|isExportedFalse|isDisabledAnalyticsTrue|isDashboardPanelOnTrue  
|inputs=<m%20name=%22MyInputName%22>[Date].[Month Dates].[Year].%26[2008]</m>
```

Note - for both the 'expr' tag and 'inputs' tag:

- Space can also be replaced with %20
- Double quotation mark can also be replaced with %22
- & (Ampersand) can also be replaced with %26

D. JavaScript Content Load-Up

Users can open content using a JavaScript call without reloading the entire page and reloading the Pyramid Silverlight client.

This solution is for embedding Pyramid Analytics in a portal with multiple links launching multiple content items. When embedding Pyramid Application to a web page an HTML "iframe" should be used. Links generated from Pyramid Application will be the URL's used in the portal.

Instead of replacing the "source" of the "iframe" with the new URL, we introduce a new way that requires less processing and faster load time.

A new script method is used: `function LoadContent(queryString)`

Where 'queryString' is the content from the Pyramid Application to be loaded.

For example:

```
bookid=1d491ae1-e7d8-471d-b96e-cdd2ed4a6f3a|ispasFalse|reportc736bcb1-70a7-44a3-81d7-07f6c783a25a|ws0|wsb0|isExportedFalse|isDisabledAnalyticsTrue|isDashboardPanelOnTrue
```

Example of the JS loader

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml" style="height:100%">
<head runat="server">
  <title></title>
</head>

<script type="text/javascript">

  function Loader(url) {
    var ifrmx = document.getElementById('ifrm');
    ifrmx.contentWindow.LoadContent('http://pyramid.url/Default.aspx?' + url);
  }

  function RegularLoader(url) {
    var ifrmx = document.getElementById('ifrm');
    ifrmx.src = 'http://pyramid.url/Default.aspx?' + url;
  }
</script>

<body style="height:100%">
  <form id="form1" runat="server">
    <div>

      <input id="Button1" type="button" value="BioPT - Content Loadup" onclick="Loader('bookid=ec3b7529-ac7a-4203-913d-81097baf9e4f|ispasFalse|report6469c25f-2a28-478e-b86a-8a88fb98189f|ws1|wsb0|isExportedFalse|isDisabledAnalyticsTrue|isDashboardPanelOnTrue');" />

      <input id="Button2" type="button" value="BioXL - Content Loadup" onclick="Loader('bookid=1d491ae1-e7d8-471d-b96e-cdd2ed4a6f3a|ispasFalse|reportc736bcb1-70a7-44a3-81d7-07f6c783a25a|ws0|wsb0|isExportedFalse|isDisabledAnalyticsTrue|isDashboardPanelOnTrue');" />

      <br/>
    </div>
  </form>

  <iframe style="width: 90%; height: 90%" src="http://pyramid.url/" id="ifrm" name="ifrm">
</iframe>
</body>
</html>
```