

JS API to Embed Yellowfin Content

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Embedding using Embed Links

Using an embed link is the simplest way to integrate Yellowfin content.

Obtaining an Embed Link

First and foremost, the content that you are wanting to embed must be already built in Yellowfin. Open the relevant Report or Dashboard and click on the Share option.

Share option on a report:



Share option on a dashboard:



Share popup with Embed link:

☐ Distribute
 ☐ Email
 ☒ Embed
 ☐ Link

Copy and paste the embed code below into your HTML page, wiki or blog.


```
<script type="text/javascript" src="http://localhost/JsAPI/v3?reportUUID=4460df58-05c6-4884-ab34-32649d364ef3"></script>
```

[Share Settings](#)

Share using

Current Values

Close

One of the types of Share available displays a script tag that looks like the following:

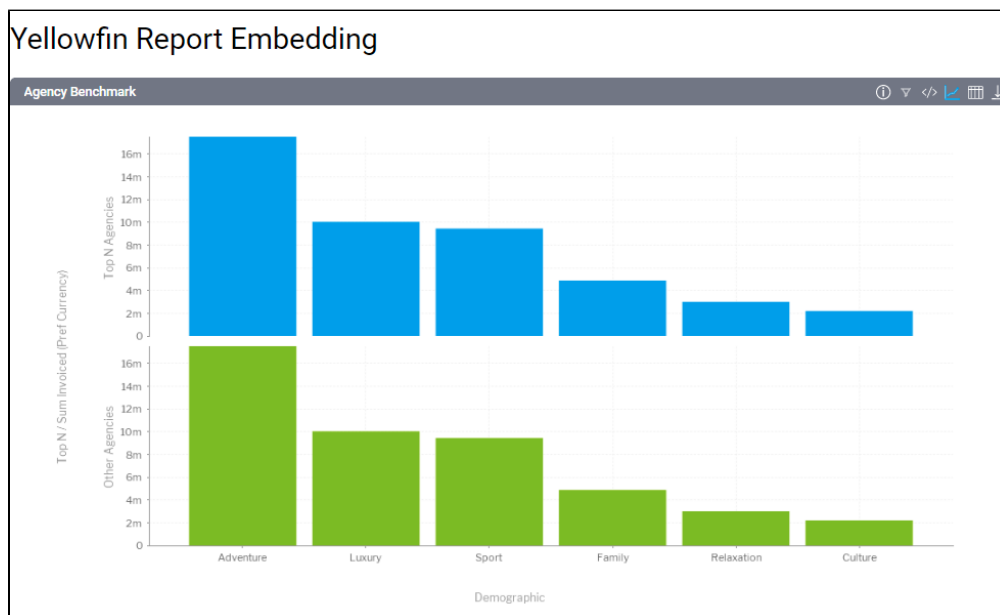
```
<script src="http://localhost:8080/JsAPI/v3?reportUUID=2130913-asdsad8-21930123-asdads"></script>
```

Using the Embed Link on your page

Put this script tag into your HTML page:

```
<!DOCTYPE html>
<body>
<h1>Yellowfin Report Embedding</h1>
<script type="text/javascript" src="http://localhost:8080/JsAPI/v3?reportUUID=9617ada1-28bc-42ef-9c3f-8b40d3d1ae61"></script>
</body>
```

When the page is loaded, this will call all of the required code to display a report or dashboard on your page.



This content item will take up 100% of the space available to it. So if you embed it on a page with no styling it will take up 100% of the width of the browser and as much height required to render the chart of the table.

Embed Link Options

The embed link can have a number of options passed to it. These can be manually appended to the link after it has been obtained.

Reports

The following options are relevant when embedding a report.

The report's charts and tables will size themselves to fit inside the container. A report canvas will not be scaled to render within the dimensions of the embedded report. If the defined size is smaller than the report canvas size, scrollbars will be added to the report element to allow you to see the entire canvas.

width

Used to set the width the report should render to. If no width is defined it will render to 100% of its parent element.

```
&width=200
```

height

Used to set the height the report should render to, if no height is defined the report will render to 100% of its parent element.

```
&height=200
```

showToolbar

Determines whether or not the toolbar above a report will be visible.

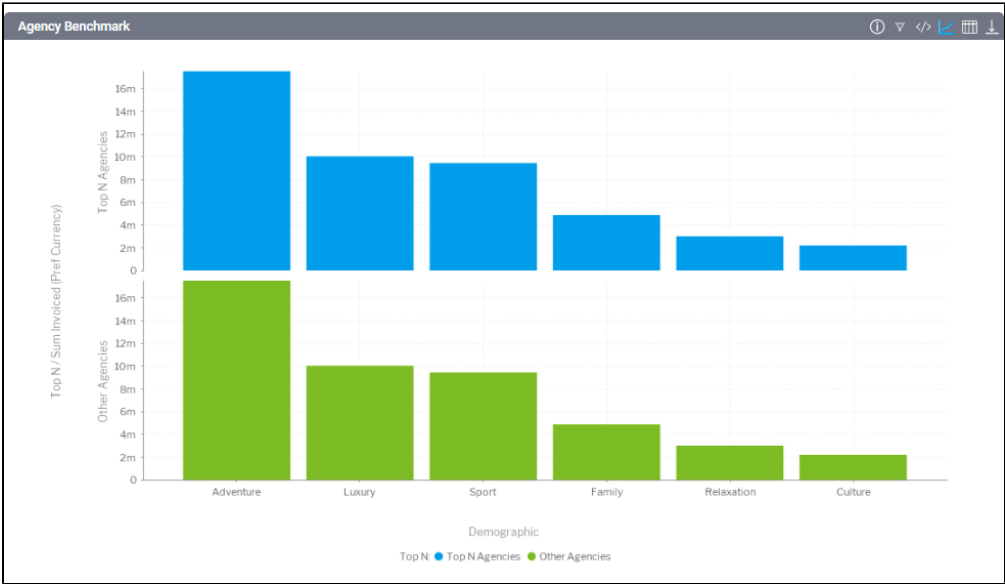
Default: true

Note: If this is set to false, *showTitle*, *showInfo*, *showExport*, *showFilters*, *showShare*, *showDisplayToggle* will also be treated as false, as they are all children of the toolbar.

When the property is not defined or set to true:

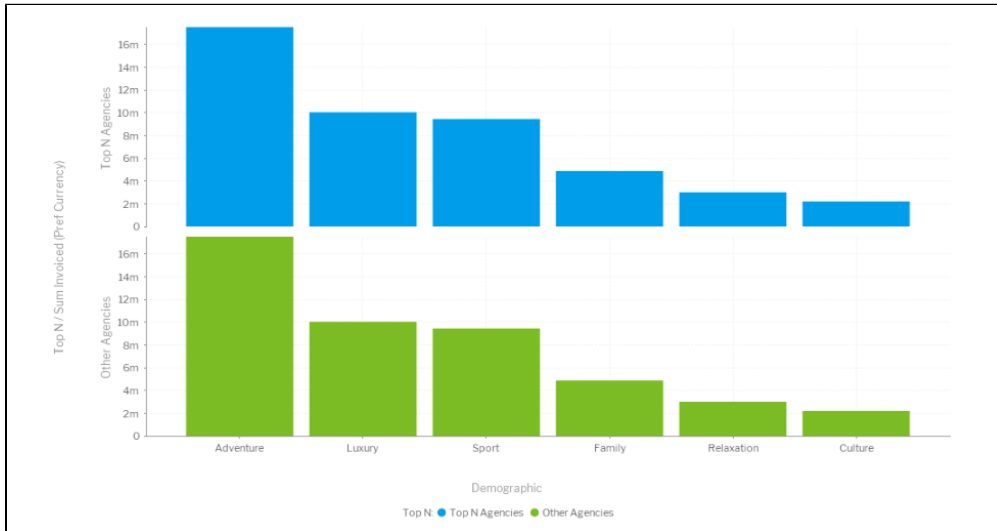
```
&showToolbar=true
```

The toolbar will be displayed above the report, as shown in the example:



```
<script type="text/javascript" src="http://localhost:8080/JsAPI/v3?reportUUID=c83357db-8aef-4ec7-ab72-fce34de9ee77&showToolbar=true"></script>
```

If the parameter is set to false there will be no toolbar displayed:



```
<script type="text/javascript" src="http://localhost:8080/JsAPI/v3?reportUUID=c83357db-8aef-4ec7-ab72-fce34de9ee77&showToolbar=false"></script>
```

showTitle

Determines whether or not the report name will be shown in the toolbar.

If the parameter is set to false then no title will be displayed in the toolbar:



```
<script type="text/javascript" src="http://localhost:8080/JsAPI/v3?reportUUID=c83357db-8aef-4ec7-ab72-fce34de9ee77&showTitle=false"></script>
```

Default: true

`&showTitle=true`


`&showTitle=false`

showInfo

Determines whether or not the info option will be shown in the toolbar. The info option contains information about the report or dashboard that has been embedded.

The following information will be included:

- Report Name
- Report Description
- Folder
- Sub Folder
- Last Modified Date

With the **showInfo** parameter is set to false, the 'i' icon  in the toolbar will be removed:



```
<script type="text/javascript" src="http://localhost:8080/JsAPI/v3?reportUUID=c83357db-8aef-4ec7-ab72-fce34de9ee77&showInfo=false"></script>
```


Default: true

`&showInfo=true`

`&showInfo=false`

showFilters

Determines whether the filter option will be displayed in the report toolbar. This can be used with the *filter[filterUUID]* parameters to set a specific set of values for your embed link and not allow users to change any values.

With the **showFilters** parameter set to false, the filters icon  will be removed:

Agency Benchmark




Default: true

`&showFilters=true`

`&showFilters=false`

showExport

Determines whether or not the export option will be displayed in the report toolbar. Export options allow a report to be exported to an external file format such as csv, xls, pdf, txt and doc.

With the **showExport** parameter set to false the export icon  in the toolbar will be removed:

Agency Benchmark



```
<script type="text/javascript" src="http://localhost:8080/JsAPI/v3?reportUUID=c83357db-8aef-4ec7-ab72-fce34de9ee77&showExport=false"></script>
```

Default: true

`&showExport=true`

`&showExport=false`

showShare

Determines whether or not the share option will be displayed in the report toolbar. The Share option allows a user to access the embed link for this piece of embedded content.

With the **showShare** parameter set to false the share icon will be removed:

```
<script type="text/javascript" src="http://localhost:8080/JsAPI/v3?reportUUID=c83357db-8aef-4ec7-ab72-fce34de9ee77&showShare=false"></script>
```


Default: true

`&showShare=true`

`&showShare=false`

showDisplayToggle

Determines whether or not the chart and table toggles will be displayed. This toggle enables a user to change the view of an embedded report between the tabular report view and the chart view. If there is more than one chart associated with the report, then the report canvas is shown.

When **showDisplayToggle** is set to false the table and chart icons  will be removed from the toolbar:

Agency Benchmark



```
<script type="text/javascript" src="http://localhost:8080/JsAPI/v3?reportUUID=c83357db-8aef-4ec7-ab72-fce34de9ee77&showDisplayToggle=false"></script>
```

Note: If the report has no chart then this option will have no effect.

Default: true

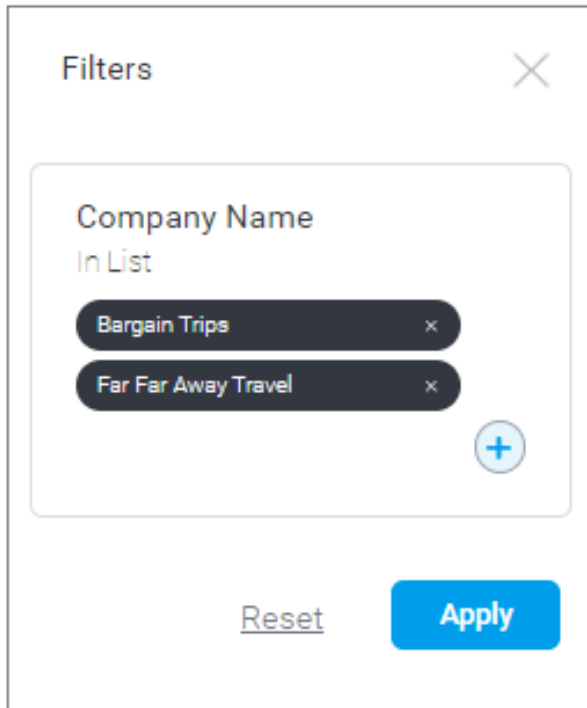
&showDisplayToggle=true

&showDisplayToggle=false

filter[filterUUID]

This can be used to set the values of individual filters on a report. The filter is identified by its UUID - "TheFilterUUID".

For example, you apply the values "Bargain Trips" and "Far Far Away Travel" to the filter "Company Name" which has the UUID "3aaf0e4-4b67-4118-9871-7dc98933e4e3".



The image shows a 'Filters' dialog box with a close button (X) in the top right corner. Inside the dialog, there is a section titled 'Company Name' with the subtitle 'In List'. Below this, there are two dark grey buttons with white text: 'Bargain Trips' and 'Far Far Away Travel'. Each button has a small 'x' icon on its right side. To the right of these buttons is a blue circular button with a white plus sign. At the bottom of the dialog, there are two buttons: 'Reset' (text button) and 'Apply' (blue button).

When retrieving the embed link through the Yellowfin UI, if there are filters applied to the report you are using, when opening the share menu the **filter** [filterUUID] values should already be populated.

Share

☐ Distribute

☐ Email

☒ Embed

☐ Link

Copy and paste the embed code below into your HTML page, wiki or blog.

```
<script type="text/javascript" src="http://localhost:8080/yellowfin/JsAPI/v3?reportUUID=3e842fae-02f7-4ad3-a632-ca267e0078da&yfFilter653d1be5-9bfd-473c-b1a8-9924b6c8be08=Australia&yfFilterf510972f-eda9-46c2-908c-e5cb3979614a=25+-+29&yfFilter1e92fa88-14fe-4707-8b8a-71bea0a3b55c=Big+Foot+Adventures"></script>
```

Share Settings

Share using

Current Values

Close

```
<script type="text/javascript" src="http://localhost:8080/JsAPI/v3?reportUUID=c83357db-8aef-4ec7-ab72-fce34de9ee77&filterd3aaf0e4-4b67-4118-9871-7dc98933e4e3=Bargain+Trips%7CFar+Far+Away+Travel"></script>
```

You can also retrieve the filter UUIDs by going to the Report Info popup and going to the columns tab.

Campaign Summary

Report Details

Columns

SQL Statement

Column	Category
Month	Time
Campaigns	Campaign
Revenue	Athlete Payment
Costs	Athlete Payment
ROI	Athlete Payment

Filter	Category
<div> <div> <div>View Field:</div> <div>Invoiced Date</div> </div> <div> <div>Source Field:</div> <div>ATHLETEFACT.INVOICEDDATE</div> </div> <div> <div>Data Type:</div> <div>Date</div> </div> <div> <div>Description:</div> <div>Invoiced Date, the bottom level of a date hierarchy.</div> </div> <div> <div>UUID:</div> <div>1c1e0878-3bd6-402b-bad8-98202e6b8fb1</div> </div> </div>	Time
Region	Athlete Location

```
&filter[yourFilterUUID]=value
```

If the filter is an "in list" or "not in list" you can separate values by pipes:

```
&filterTheFilterUUID=value1|value2|value3
```

If the filter you are trying to set is a between filter:

```
&filter[yourFilterUUID]=value1|value2
```

Dashboards

When embedding a dashboard, the reports and canvas content within the dashboard will be scaled to the size of the container that it is embedded into. The content within the canvas will be scaled to match appropriately. Aspect ratio will be maintained when this scaling is applied.

The global content containers on a dashboard will be hidden by default when embedding a dashboard. Any filters that are within the dashboard will be added to the filter list that is located within the toolbar.

The following options are relevant when embedding a dashboard:

scaleCanvasTabs

Determines whether or not a canvas tab should be scaled. If this is set to false, then the canvas tabs will be rendered using the exact dimensions that they were created with. This setting has no effect on sub-tabs which don't contain canvas tabs.

Default: true

&scaleCanvasTabs=false

&scaleCanvasTabs=true

showGlobalContentContainer

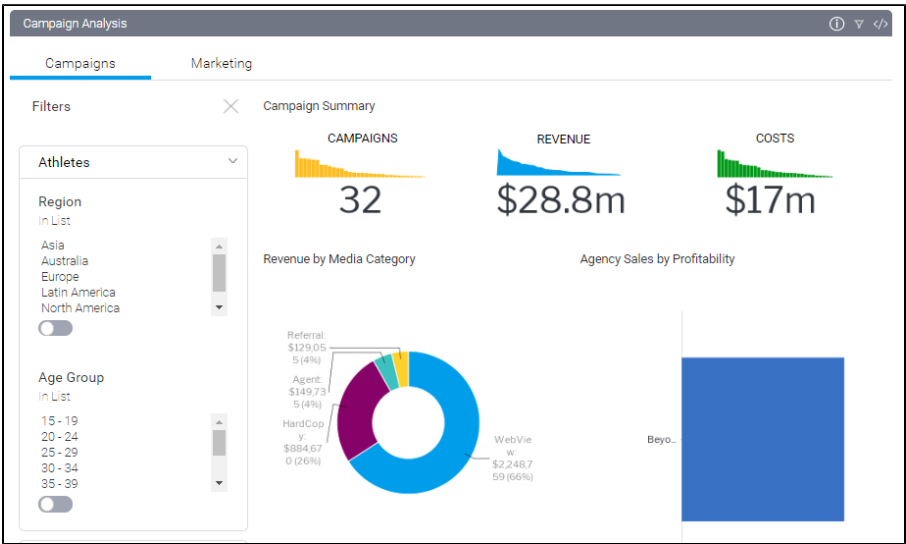
Determines whether or not to show the global content containers when rendering the dashboard.

Default: false

&showGlobalContentContainer=false

&showGlobalContentContainer=true

When the **showGlobalContentContainer** value is set to true the global content container will be displayed next to the main part of the SubTab:



```
<script type="text/javascript" src="http://localhost/JsAPI/v3?dashUUID=1e68d9cc-fa5a-44e2-816d-782aa40ceeae&showGlobalContentContainer=true">
</script>
```

width

Used to set the width the dashboard should render to. If no width is defined the dashboard's width will be 100% of its containing element.

```
&width=200
```

height

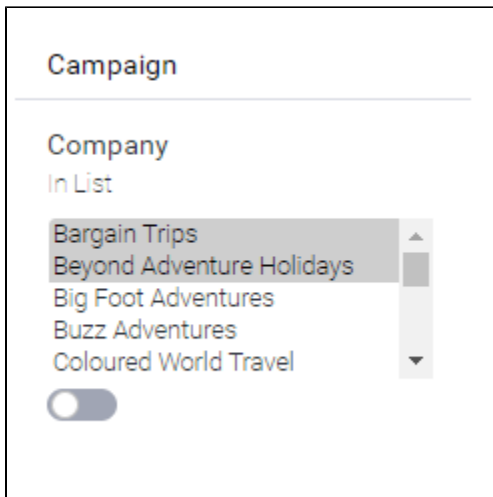
Used to set the height the dashboard should render to. If no height is defined the dashboard's height will be 100% of its containing element.

```
&height=200
```

filter[filterUUID]

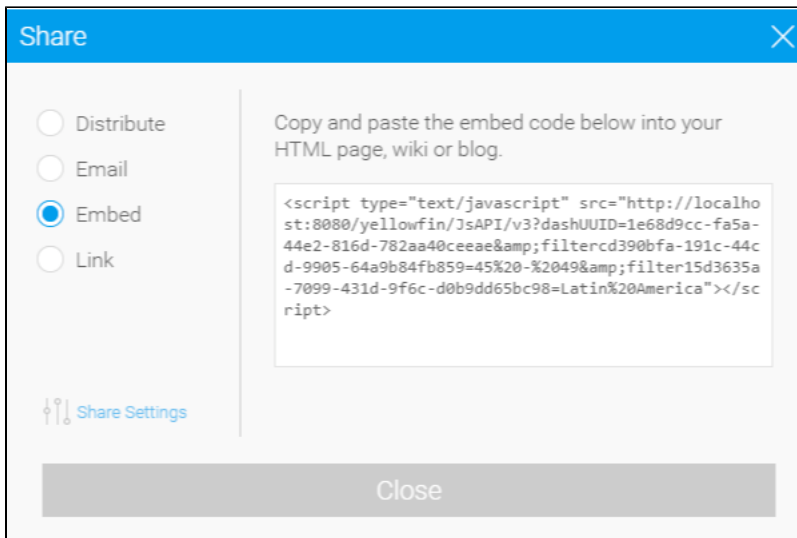
This can be used to set the values of individual filters on a dashboard. The filter is identified by its UUID - "TheFilterUUID".

For example, you apply the values "Bargain Trips" and "Far Far Away Travel" to the filter "Company Name" which has the UUID "3aaf0e4-4b67-4118-9871-7dc98933e4e3":



```
<script type="text/javascript" src="http://localhost:8080/JsAPI/v3?dashUUID=1e68d9cc-fa5a-44e2-816d-782aa40ceeae&filtere8eeecb8c-1703-45d4-a28d-ebf17fed794b=Bargain%20Trips%7CBeyond%20Adventure%20Holidays"></script>
```

When retrieving the embed link through the Yellowfin UI, if there are filters applied to the dashboard you are using, when opening the share menu the **filter[filterUUID]** values should already be populated.



```
&filter[yourFilterUUID]=value
```

If the filter is an "in list" or "not in list" you can separate values by pipes:

```
&filter[yourFilterUUID]=value1|value2|value3
```

If the filter you are trying to set is a between filter:

```
&filter[yourFilterUUID]=value1|value2
```

showToolbar

Determines whether or not the toolbar above a dashboard will be visible.

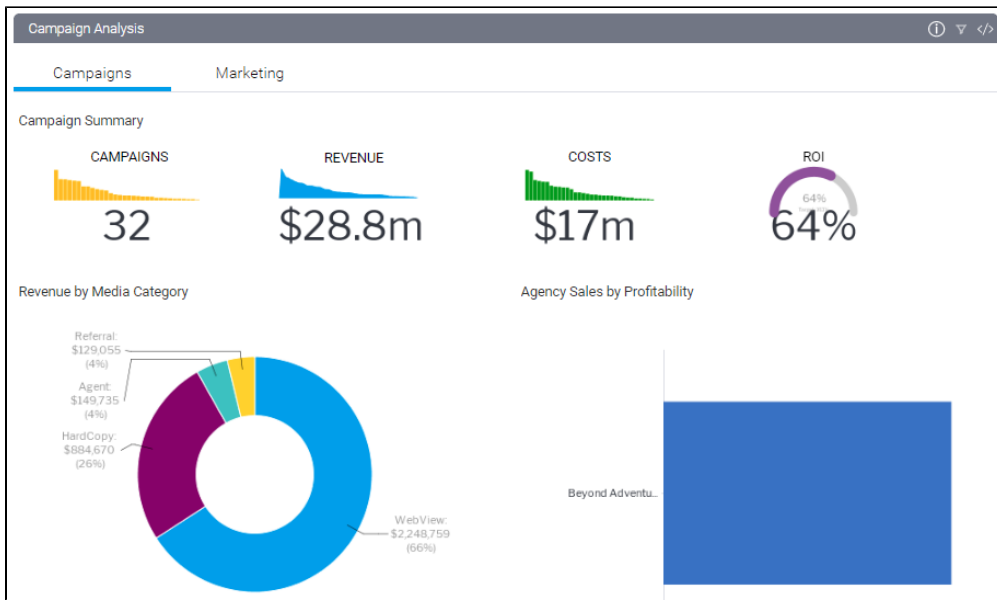
Default : true

Note: If this is set to false, *showInfo*, *showFilters*, *showShare* parameters will also be treated as false, as they are all children of the toolbar.

When the property is not defined or set to true:

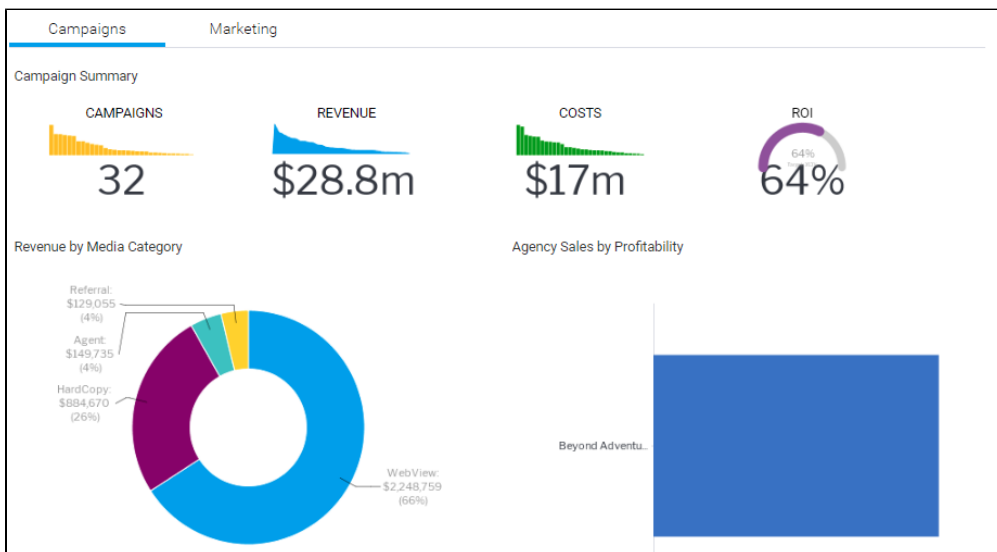
```
&showToolbar=true
```

The toolbar will be displayed above the dashboard, as shown below:



```
<script type="text/javascript" src="http://localhost:8080/JsAPI/v3?dashUUID=1e68d9cc-fa5a-44e2-816d-782aa40ceeae&showToolbar=true"></script>
```

If the parameter is set to false, there will be no toolbar displayed:




```
<script type="text/javascript" src="http://localhost:8080/JsAPI/v3?dashUUID=1e68d9cc-fa5a-44e2-816d-782aa40ceeae&showToolbar=false"></script>
```

showInfo

Determines whether or not the info option will be shown in the dashboard toolbar. The info option contains information about the dashboard that has been embedded.

The following information will be included:

- Dashboard Name
- Dashboard Description
- Folder
- Sub Folder
- Last Modified Date

With the **showInfo** parameter set to false, the "i" icon  in the toolbar will be removed:

```
<script type="text/javascript" src="http://localhost:8080/JsAPI/v3?dashUUID=1e68d9cc-fa5a-44e2-816d-782aa40ceeae&showInfo=false"></script>
```


Default: true

```
&showInfo=true
```

```
&showInfo=false
```

showFilters

Determines whether the filter option will be displayed in the dashboard toolbar. This can be used with the *filter[filterUUID]* parameters to set a specific set of values for your embed link and not allow users to change any values.

With the **showFilters** parameter set to false the filter icon  will be removed:

```
<script type="text/javascript" src="http://localhost:8080/JsAPI/v3?dashUUID=1e68d9cc-fa5a-44e2-816d-782aa40ceeae&showFilters=false"></script>
```


Default: true

```
&showFilters=true
```

```
&showFilters=false
```

showShare

Determines whether or not the share option will be displayed in the dashboard toolbar. The Share option allows a user to access the embed link for this piece of embedded content.

With the **showShare** parameter set to false the share icon  will be removed:

```
<script type="text/javascript" src="http://localhost:8080/JsAPI/v3?dashUUID=1e68d9cc-fa5a-44e2-816d-782aa40ceeae&showShare=false"></script>
```

Default: true

```
&showShare=true
```

```
&showShare=false
```

Embedding stories

From Yellowfin 9.4, you can embed a story with the publish UUID of the story. The embed URL would look like this:

```
<script src="http://pathToYourYellowfinServer/JsAPI/v3?StoryUUID=A-Story-UUID">>
```

This creates an element for the story to render into.

Note that although the code includes 'StoryUUID', this is actually the publish UUID. Using a story's StoryUUID is possible, but it points to a unique instance of the story, so if the story is edited, the embedded story would not be updated.

A number of options, such as story width and the display of the toolbar and other elements, can be added to the embed link. Please see the section below for further details.

Embedding Using the Advanced API

The advanced API provides developers access to a number of objects and functions that allow fine-grained control over the look and feel of the embedded content.

Here are some examples of what can be achieved by using the API in this way:

- Creating custom UI objects that can filter both Application and Yellowfin content, or that may have styling requirements that are not supported out of the box in Yellowfin.
- Creating a dynamic list of reports for each user based on their application profile, allowing them to select those reports and dynamically loading them in your application.
- Accessing the underlying data set associated with a report in order to execute custom processing such as selecting a value to display or passing data to a third-party API.
- Creating a custom navigation experience; for example buttons that jump to certain sub-tabs or reports or customized filter breadcrumbs.

Loading the API

Include the following somewhere in your HTML page:

```
<script src='pathToYourYellowfinServer/JsAPI/v3'></script>
```

Using localhost:8080 as an example, it would look like this:

```
<script src='localhost:8080/JsAPI/v3'></script>
```

This will include the base Yellowfin JavaScript API, which adds a 'yellowfin' object to the window scope of your browser. This has a number of useful functions, including the option to load other APIs (Filter, Report and Dashboard).

It will immediately call the JavaScript APIs *init()* function which will start loading the API functions which depend on the Yellowfin server. The *init()* function returns a promise which will resolve once this loading has been completed. All events using the API should be run when the *init* promise has resolved.

```
<script src='localhost:8080/JsAPI/v3'></script>
<script>
  window.yellowfin.init().then(() => {
    //The API has loaded

  })
</script>
```

Embedding stories with the Advanced API

From Yellowfin 9.4, you can embed a story with the publish UUID of the story, as described earlier on this page. For full details, visit the wiki page for the Advanced API.