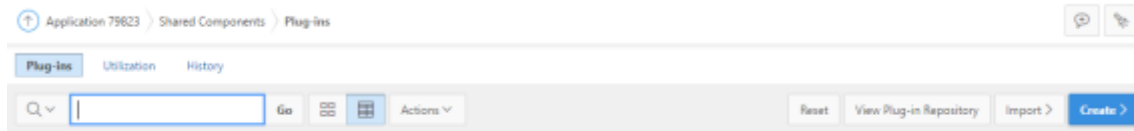


## Installing and Using the AnyChart Apex Plugin

### Step 1. Importing the plug-in into your application

1. Navigate to Shared Components→Other Components→Plugins



2. Click on Import

### Import

Select the file you wish to import to the export repository. Once imported, you can install your file.

If the imported file is a packaged application export, the installation wizard will allow you to run the packaged installation scripts after installing the application definition.

\* Import file  region\_type\_...jb\_acplg.sql ?

\* File Type: ☐ Database Application, Page or Component Export ?  
☐ Worksheet Application Export  
☒ Plug-in

### Step 2: Inputting your License Key

Once the AnyChart plugin is installed, a license key is required in order to remove the watermark from your charts;

1. Navigate to “Component Settings” under Shared Components
2. Click on “ACPLG [Plug-in]”
3. Input your license key:

### Component Settings

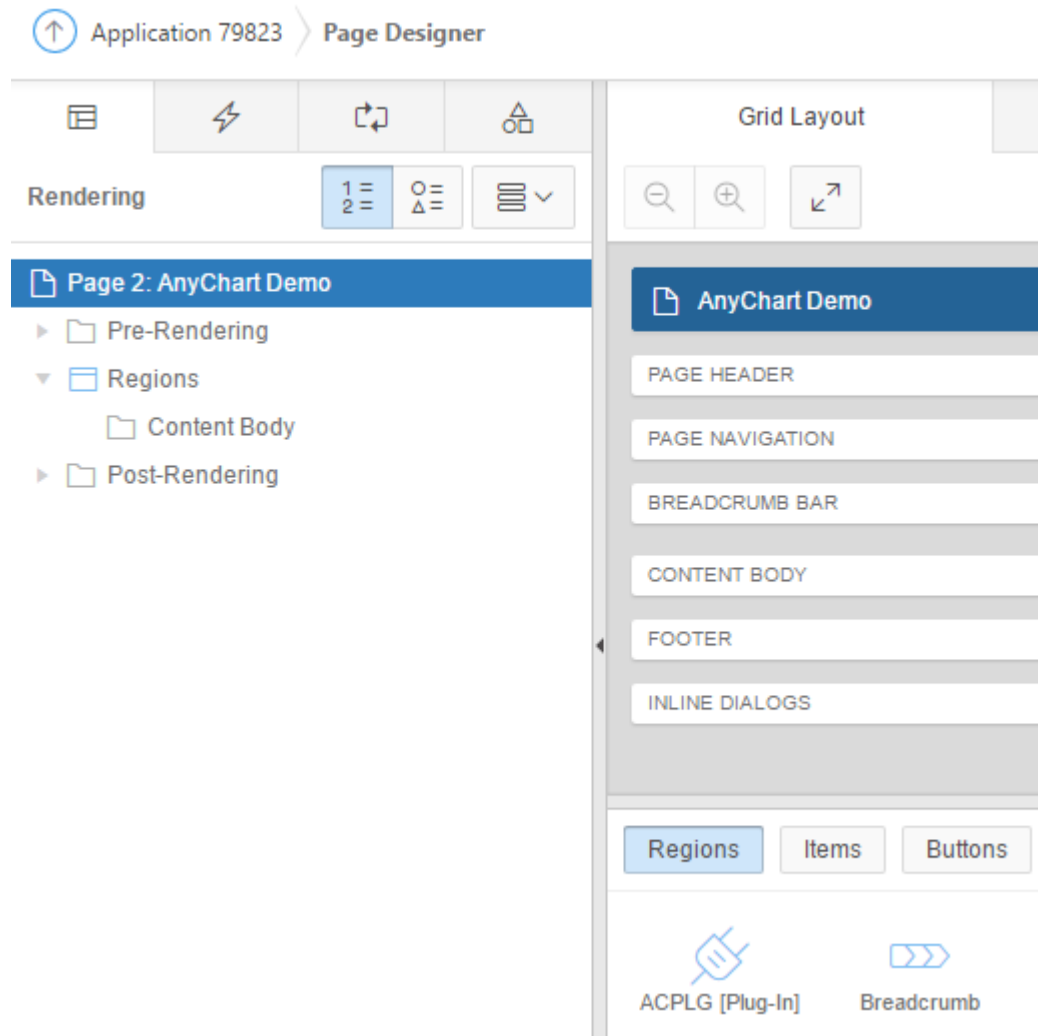
Use Component Settings to set application level values for built-in Application Express components and installed plug-ins.

Name: ACPLG [Plug-in] ?

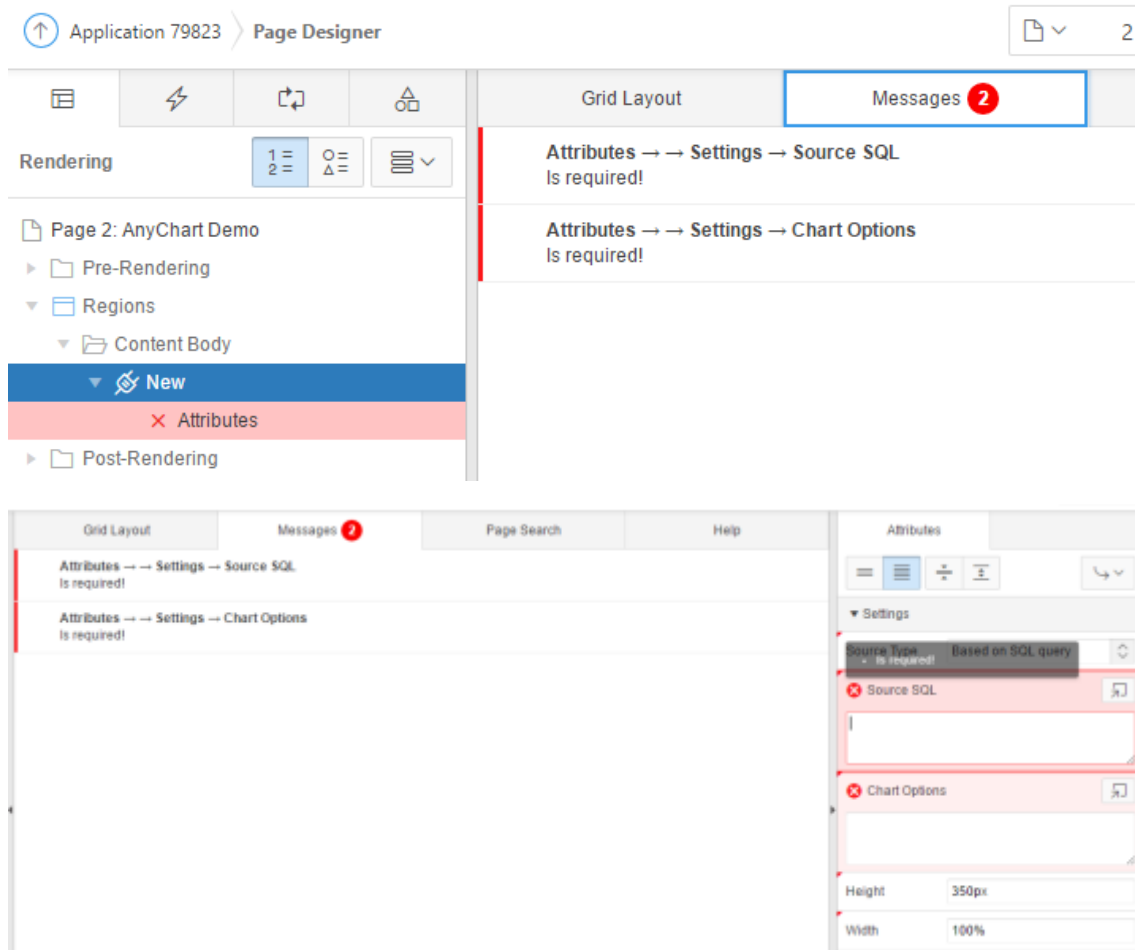
\* License key  ?

### Step 3. Adding a chart to your page using the plugin

Using Page Designer, you will now see a new region type called “AnyChart for APEX [Plug-In]”



After dragging and dropping a new “AnyChart for APEX [Plug-In]” region into Content Body, you will need to specify 2 attributes – first, source SQL where data will be retrieved from; second, chart options.



As you can see, the plugin has 2 main attributes:

- Source Type
- Chart Options

You can also set the chart Height and Width.

#### Source Type:

The Source Type parameter allows a user to specify the source of the data being used. You may provide data either in JSON format, or a valid SQL Query.

If you select JSON, you will be asked to provide your data in JSON format:

▼ Settings

Source Type Static Value in JSON Format

Source JSON

```
[ 'Rouge', '80540', '82540'],
[ 'Foundation', '94190', '80540'],
[ 'Mascara', '102610', '94190'],
[ 'Lip gloss', '110430', '94190'],
[ 'Pomade', '128000', '82540']
```

If you select SQL query, you must provide a valid query as your data source :

▼ Settings

Source Type Based on SQL query

Source SQL

```
select d.dname, count(*) as total from dept d,
emp e where d.deptno = e.deptno group by d.dname
order by 2 desc;
```

Chart Options

```
var series1 = data.mapAs({x: [0], value: [1]});
chart = anychart.bar(series1);
```

### Chart Options:

The Chart Options parameter will determine what sort of AnyChart Chart you will render, based on the provided data.

Please refer to the documentation on the AnyChart site in order to set these options as required.

<http://www.anychart.com/products/anychart/gallery/>

For example, in order to render a simple bar chart, you might use these chart options:

## ▼ Chart Options

```
chart = anychart.bar();
chart.title("Total Sales by Category");
var xAxis = chart.xAxis();
xAxis.title("Category");
var yAxis = chart.yAxis();
yAxis.title("Sales");
var series1 = data.mapAs({x: [0], value: [1]});
chart.bar(series1);
```

For a multi-series bar chart, you might have:

## ▼ Chart Options

```
chart = anychart.bar3d();
chart.title("Bar Chart");

var xAxis = chart.xAxis();
xAxis.title("Retail Channel");
var yAxis = chart.yAxis();
yAxis.title("Sales");

var June = data.mapAs({x: [0], value: [1]});
var Series1=chart.bar(June);
Series1.name("June Sales");
var July = data.mapAs({x: [0], value: [2]});
var Series2=chart.bar(July);
Series2.name("July Sales");

// enable legend
var legend = chart.legend();
legend.enabled(true);
```

You might sometimes want to put information from the database into your chart options. For example, a MAX VALUE, MIN VALUE, etc.

To do this, you can create hidden items on your page and have their source value pull from the database.

You can then refer to their values in your chart options using **substitution strings**:

```
chart = anychart.bar();
chart.title("Bar Chart");

var xAxis = chart.xAxis();
xAxis.title("Products");
xAxis.orientation("right");
var yAxis = chart.yAxis();
yAxis.title("Total Sales");
yAxis.orientation("top");

var yScale = chart.yScale();
yScale.inverted(true);
yScale.minimum(0);
yScale.maximum(&P1_MAX_VALUE.);

var series1 = data.mapAs({x: [0], value: [1]});
chart.bar(series1);
```

#### Drill through capability:

Adding drill-through capability to your chart is simply a question of adding a column containing the URL to your query, and then adding a few lines to your chart options.

Using this as Source Query:

```
select category as label,
sum(unit_price*quantity) as total_sales,
'f?p=81111:10:11954785023323:::10:P10_CATEGORY:'||category as url
from demo_order_items dos, demo_product_info dpi where
dos.product_id=dpi.product_id group by category
```

These chart options would allow the user to click on any value and navigate to the URL:

```
chart = anychart.bar();
chart.title("Single series Bar Chart Including Drill Through");
```

```
var xAxis = chart.xAxis();
xAxis.title("Category");
var yAxis = chart.yAxis();
yAxis.title("Sales");

var series1 = data.mapAs({x: [0], value: [1], url:[2]});

chart.bar(series1);

chart.listen('pointClick', function(e){
var new_value = e.iterator.get('url');
window.open(new_value, "_blank");
});
```

See the Single Series Bar Chart including drill through at:  
<https://apex.oracle.com/pls/apex/f?p=81111:4>

The options are almost limitless and too extensive to go into here, but please refer to our demo application for examples of different charts rendered using the plugin, as well as their chart options:

<https://apex.oracle.com/pls/apex/f?p=81111>