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**RCS Liferay Google
Analytics Portlet
Installation Guide**

Document Revisions

| Date | Revision | By |
|------------|----------|-----------------|
| 07/02/12 | 1 | Pablo Rendón |
| 30/1/13 | 2 | Florencia Gadea |
| 10/10/2014 | 3 | Florencia Gadea |
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General Description

One of the most important tools for a website administrator are the statistics, **Google Analytics** is one of the best options and this app provides a simple but powerful integration between Liferay and Google Analytics, showing the most relevant information from Google Analytics within the Liferay administration panel.

Installation and configuration is simple and provides powerful features such as comparison of statistics between different dates, selection of different Google Analytics accounts, properties and profiles.

The Dashboard shows information such as amount of visitors, unique visitors, Type of visitors (New or Returning), Traffic Sources, among other.

This app consists of two portlets. One portlet that will be displayed in the Control Panel, for configuration purposes. And another portlet that will only display the dashboard in any page we want.

Installation

Deploy the Liferay-Google-Analytics portlet into your portal. There are several ways to accomplish this. Here is one.

1. Log in as an admin user and go to **Control Panel**.
2. Click on **Apps** → **App Manager** → **Install**.
3. Click on **File Upload**, then **Browse** and search for the google analytics war file.

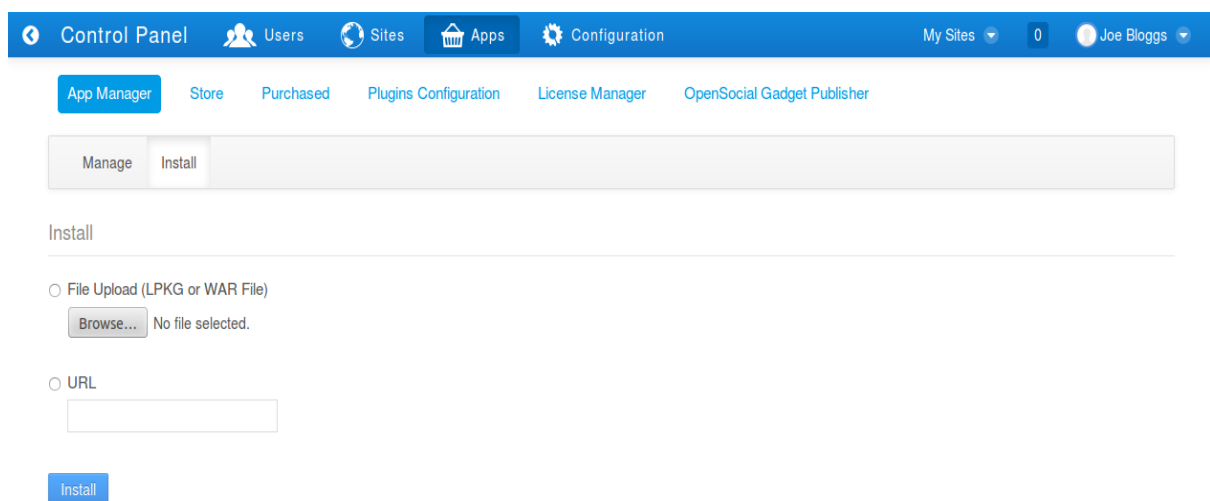
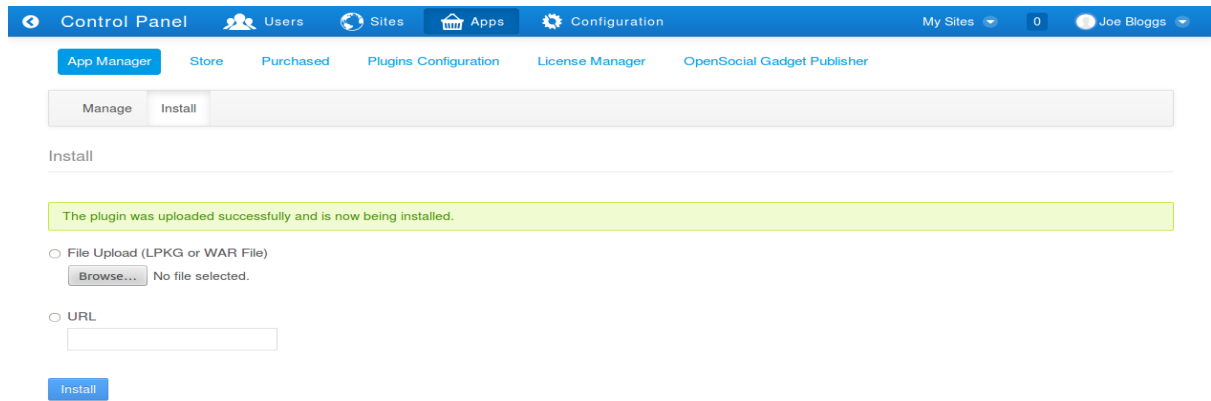


Fig 1: App Manager

4. Once the war is selected, click on the **Install** button.



The screenshot shows the 'Control Panel' interface with the 'Apps' tab selected. Under 'App Manager', the 'Install' button is active. A green message bar states: 'The plugin was uploaded successfully and is now being installed.' Below this, the 'File Upload (LPKG or WAR File)' option is selected. A 'Browse...' button is present, with the text 'No file selected.' next to it. The 'URL' option is also visible but not selected. An 'Install' button is at the bottom of the form.

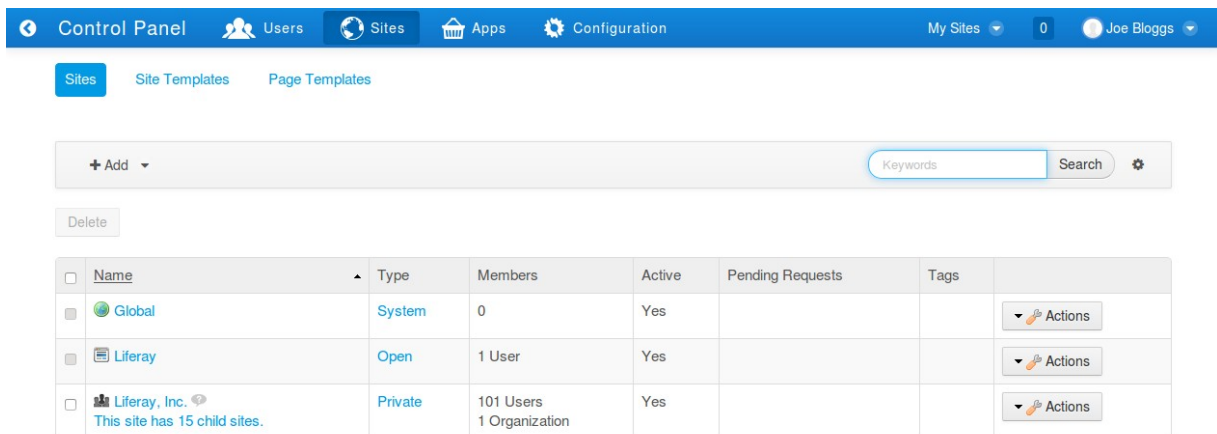
Fig 2: Upload a new WAR file.

Once the portlet is installed you can start configuring it.

Configuration

Configure the Liferay-Google-Analytics portlet

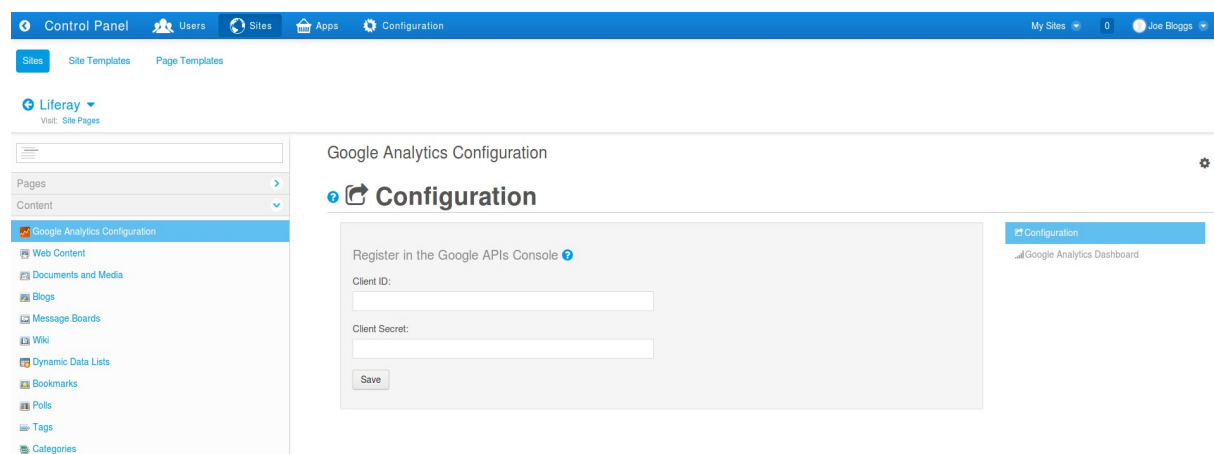
In the **Control Panel**, click on **Sites** (on the dockbar), and then click on the portal name below (**Liferay** by default).



| Name | Type | Members | Active | Pending Requests | Tags | Actions |
|---------------------------------------------------------------|---------|-----------------------------|--------|------------------|------|---------|
| Global | System | 0 | Yes | | | Actions |
| Liferay | Open | 1 User | Yes | | | Actions |
| Liferay, Inc. <small>This site has 15 child sites.</small> | Private | 101 Users 1 Organization | Yes | | | Actions |

Then click on **Content** and select **Liferay Google Analytics**.

The first time it loads, the **Configuration** panel (right-menu) is selected. Once the configuration is set, the Google Analytics dashboard will be automatically selected.



Google Analytics Configuration

Configuration

Register in the Google APIs Console

Client ID:

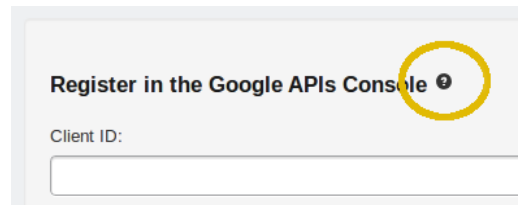
Client Secret:

Save

To retrieve data from Google Analytics, you first need a Google Analytics account. Then, you need a google account associated with that Google Analytics account. The portlet will request a Client ID and Client Secret to retrieve the information. You have to follow these steps:

1. Go to the [Google Developers Console](https://console.developers.google.com/).

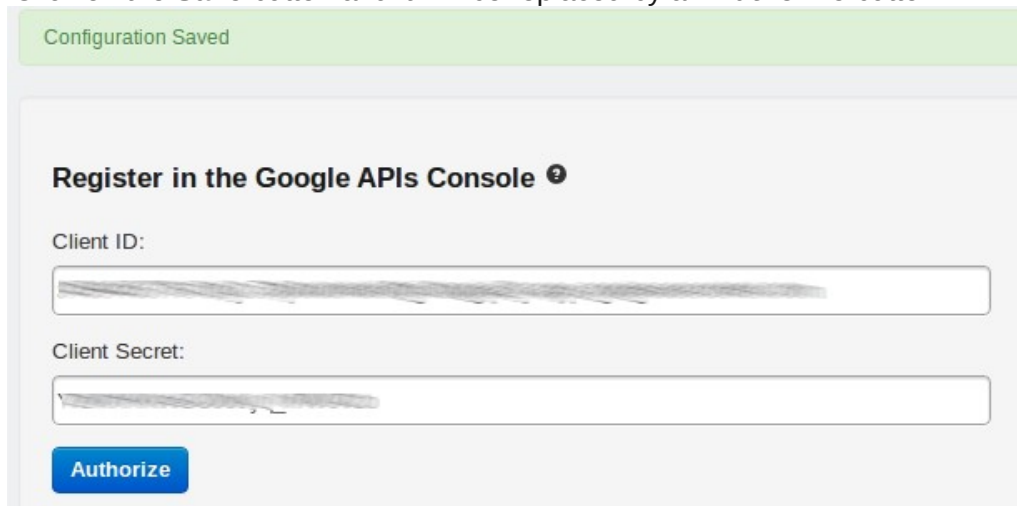
2. Sign-in and create a project (clicking on **Create Project**) or use an existing project. Click on the project name.
3. On the left panel, below the **APIs & auth** menu, click on **APIs**.
4. Enable the Analytics API (once you enable it, it will be listed below the Enabled APIs list).
5. On the left panel, below the **APIs & auth** menu, click on **Consent screen**.
6. You have to fill the **Email address** and **Product name** fields. Then click **Save**.
7. On the left panel, below the **APIs & auth** menu, click on **Credentials**.
8. Click on **Create new Client ID**.
9. Set Application type to **Web application**.
10. In the **Authorized Javascript Origins** and **Authorized Redirect URIs** text fields copy and paste the information showed by clicking the help icon in the **Google Analytics** configuration portlet:



Register in the Google APIs Console ?

Client ID:

10. Click **Create client ID**
11. Copy and paste the **Client ID** and **Client Secret** in their respective fields.
12. Click on the **Save** button and it will be replaced by an **Authorize** button.



Configuration Saved

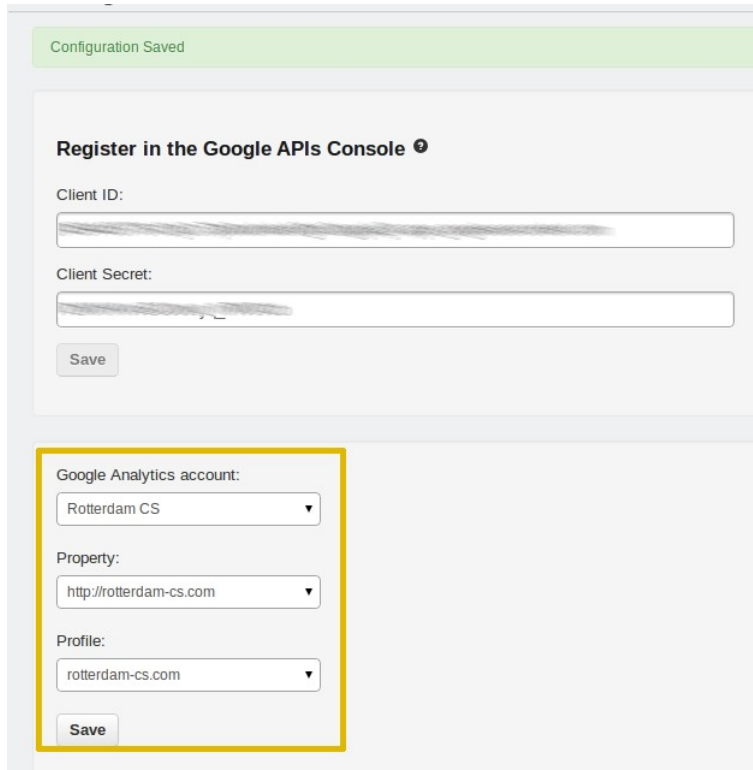
Register in the Google APIs Console ?

Client ID:

Client Secret:

Authorize

14. Click on the **Authorize** button, you'll be redirect to the Google authorization page:
15. If you are not logged in with your google account you will see a sign in page, please sign in.
16. Click on the **Allow access** button.
17. If you get a **redirect_uri_mismatch** Error, please review that the **Authorized Redirect URIs** is exactly the same in the [Google APIs Console](#) that in the help section (5 - III).
18. Finally select the **Google Analytics account**, **Property** and **Profile** from the combo boxes and click on the **Save button at the bottom of the page**.

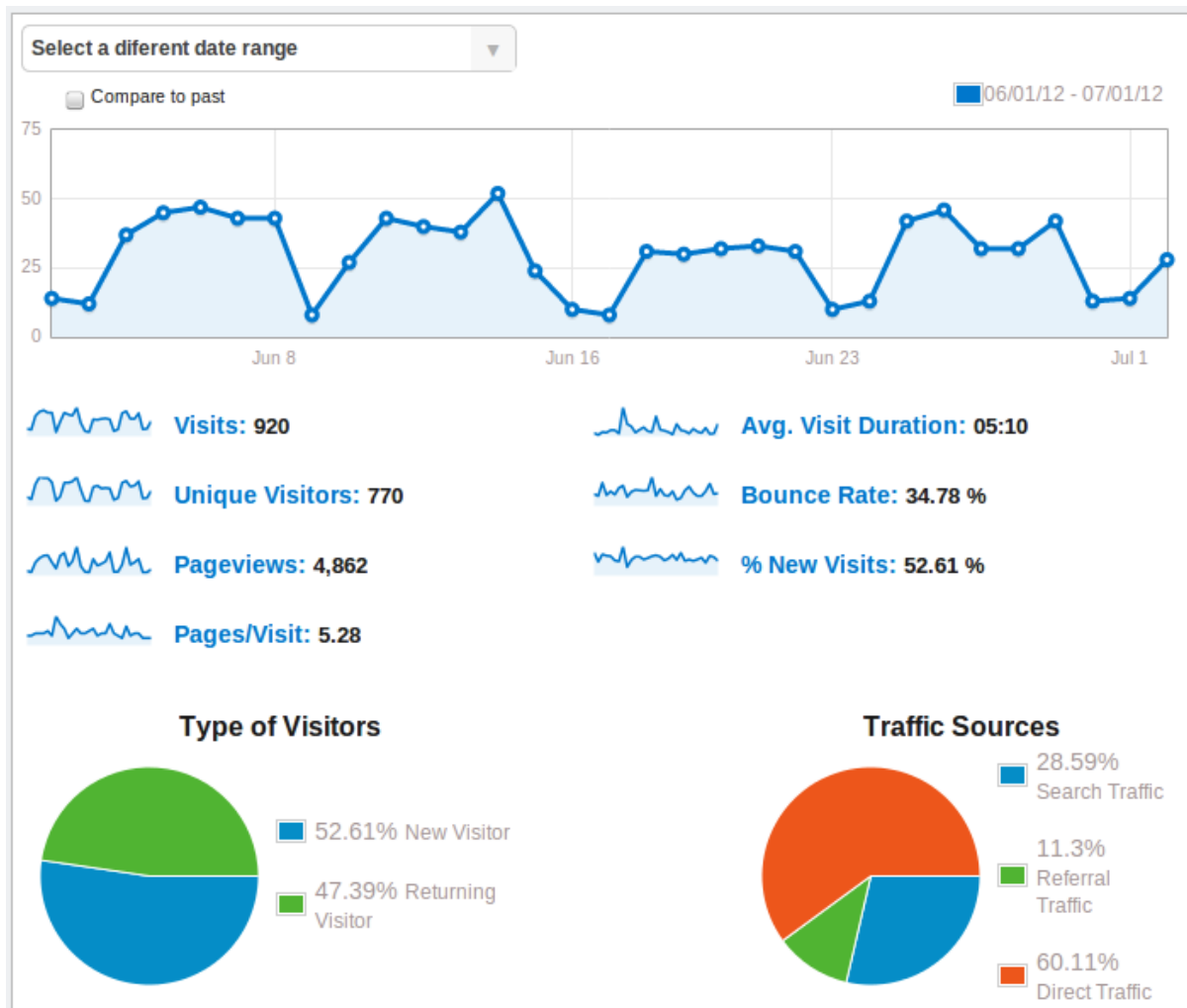


Usage

Once the portlet is installed and configured, the Google Analytics Dashboard will be selected by default in the Control Panel, if you want to change the configuration just click on the right menu Configuration.

The date range selected by default is one month backward.

To see different statistics details such as **Unique Visitors**, **Bounce Rate**, **Page Views**, Etc. Just click on the graphic Thumbnail or the blue text.



To see detailed information for a data point roll the mouse over the data point on the graphic



Changing the date range:

To change the date range just click on the combo box:

Click on the start date range, click on the end date range and finally click on the Apply button to retrieve the new data.

Select a different date range

| May, 2012 | | | | | | | June, 2012 | | | | | | | July, 2012 | | | | | | |
|-----------|----|----|----|----|----|----|------------|----|----|----|----|----|----|------------|----|----|----|----|----|----|
| S | M | T | W | T | F | S | S | M | T | W | T | F | S | S | M | T | W | T | F | S |
| | | 1 | 2 | 3 | 4 | 5 | | | | | | 1 | 2 | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 6 | 7 | 8 | 9 | 10 | 11 | 12 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 13 | 14 | 15 | 16 | 17 | 18 | 19 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| 20 | 21 | 22 | 23 | 24 | 25 | 26 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| 27 | 28 | 29 | 30 | 31 | | | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 29 | 30 | 31 | | | | |

✓ Apply

Compare two date ranges:

To compare 2 date ranges just check the “Compare to past” check-box:



If you want to change the date range for both date ranges, just repeat the process for changing the date range, but with the compare to past checked:

Select a different date range

| May, 2012 | | | | | | | June, 2012 | | | | | | | July, 2012 | | | | | | |
|-----------|----|----|----|----|----|----|------------|----|----|----|----|----|----|------------|----|----|----|----|----|----|
| S | M | T | W | T | F | S | S | M | T | W | T | F | S | S | M | T | W | T | F | S |
| | | 1 | 2 | 3 | 4 | 5 | | | | | | 1 | 2 | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 6 | 7 | 8 | 9 | 10 | 11 | 12 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 13 | 14 | 15 | 16 | 17 | 18 | 19 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| 20 | 21 | 22 | 23 | 24 | 25 | 26 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| 27 | 28 | 29 | 30 | 31 | | | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 29 | 30 | 31 | | | | |

Select a date range to compare:

| April, 2012 | | | | | | | May, 2012 | | | | | | | June, 2012 | | | | | | |
|-------------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|------------|----|----|----|----|----|----|
| S | M | T | W | T | F | S | S | M | T | W | T | F | S | S | M | T | W | T | F | S |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | | | 1 | 2 | 3 | 4 | 5 | | | | | | 1 | 2 |
| 8 | 9 | 10 | 11 | 12 | 13 | 14 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 15 | 16 | 17 | 18 | 19 | 20 | 21 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 22 | 23 | 24 | 25 | 26 | 27 | 28 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 29 | 30 | | | | | | 27 | 28 | 29 | 30 | 31 | | | 24 | 25 | 26 | 27 | 28 | 29 | 30 |

✓ Apply

Dashboard in custom pages:

Once you have configured the Google Analytics Account from the Control Panel, you can display the dashboard in any page you want.

1. Log in as an administrator and go to the page where you want to install this portlet.
2. On the dockbar, click on **Add**, then click on **More...**, select **Tools** -> **Google Analytics**.

Change Log

Changes applied in version 6.1.1.2:

- 1 – The dashboard can be shown in any desired page for visitors and users, not only in the Control Panel.
- 2 – Error handling improved. Proper messages are shown to end user.