



JREALTIME ANALYTICS DOCUMENTATION

Functionalities

JRealtime Analytics is a powerful and innovative component to manage stats on your site. It's the easiest solution to have all the technology offered by Google Analytics servers in your Joomla! system without the need of third-party integrations, all informations are stored on your server!

It offers analytics reports with advanced features for a report generation in PDF, XLS and CSV format that you can export and store in your archive. With JRealtime Analytics you will be able to track in realtime what's going on your site, simply monitoring graphs and analytics stats in your Joomla! backend area without the need of third-party services such as Google Analytics.

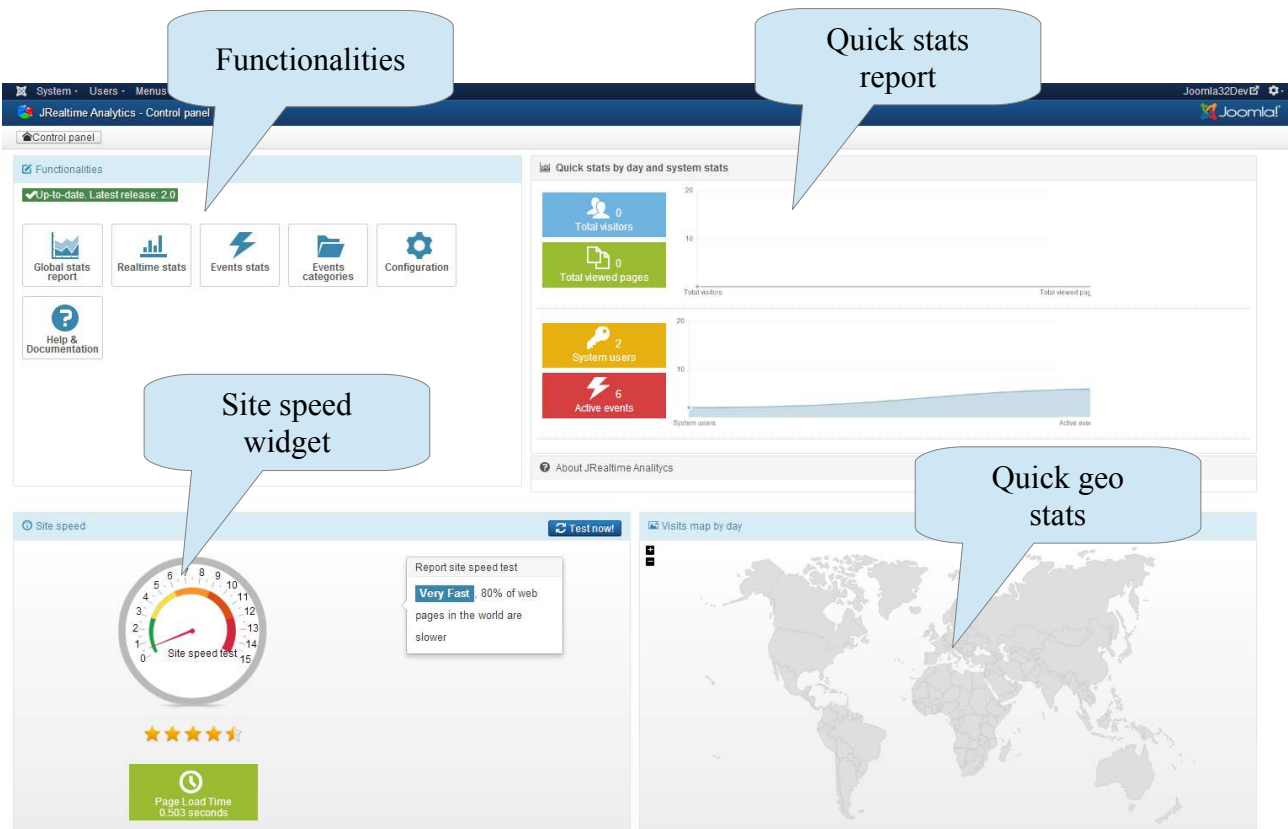
The new Universal Events Tracking System™ is an innovative solution to track every kind of event that happens on your site integrating with whatever Joomla extensions without need of additional plugins! Finally, an advanced configuration lets you choose banning and exclusions settings for every kind of user or IP address.

- Stats report for backend and frontend
- Advanced charts
- Mobile Heatmap™ tracking
- Google Analytics integration
- Visual geo map
- Navigation flow diagram for each visitor
- SEO optimization to track
- Integrated cronjob for scheduled reports by email
- Visits by page and user
- Referrals tracking
- Searches tracking
- Realtime stats
- Universal Events Tracking System™ to track document downloads, page views and more
- Goals system, you can set a goal to be reached on your site
- Geo map for report and realtime stats
- Site speed widget to test the server load time integrated with the Google PageSpeed API
- CSV, XLS, PDF report generation and export
- Exported reports compatible with OpenOffice, Microsoft Excel, Google Docs, etc
- Module for quick daily stats and realtime stats
- Exclusions system, by IP, pages, usersgroups and countries
- Database auto optimizations and cleaning

Control panel

The control panel gives you access to all the main features and have a quick view to the most common stats and tools.

From the control panel you can access the main features, check quick stats for a specific period the you defined and access the site speed test for a given URL using the available widget.



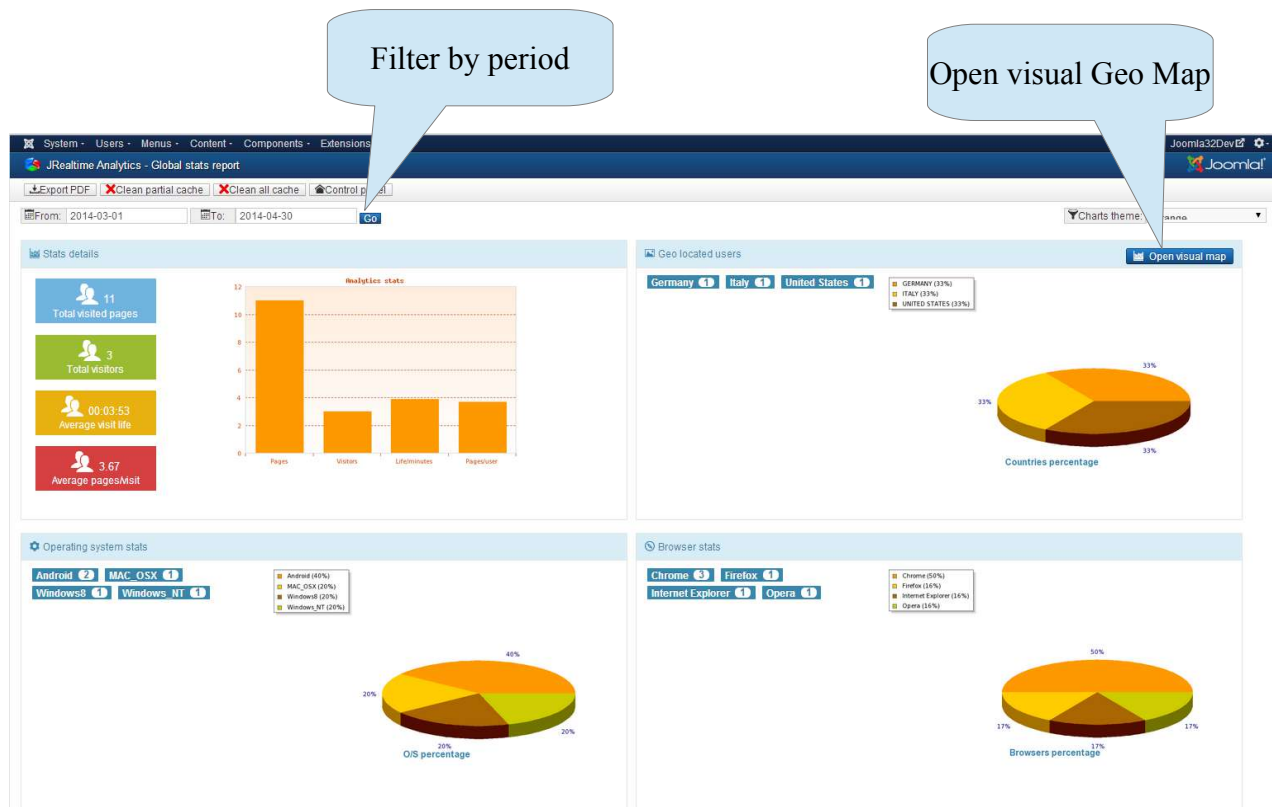
Global stats report

The global stats report offers a complete overview of what happened on your site in a specified time frame. You can choose the default time range in the component configuration and change it as you prefer using filters. The global stats report is accessible from the backend but can also be assigned to a frontend menu item.

By default all types of stats are included inside the global stats report:

- Summary stats
- Geo location stats
- Operating system stats
- Browser stats

- Leave off and landing pages, to understand SEO visitors trend
- Detailed report for visits by page
- Detailed report for visits by user
- Referral traffic to understand sources to your site
- Searched keywords, you can monitor keywords that users search on your site. This work with both Joomla search systems, classic search and smart search.



Inside stats for 'Visits by page' and 'Visits by user' you can open a detailed view for a single user or a single page. You can click on the numeric buttons inside the list and a lightbox will show up including details for the selected record and a button to export the report details.

Click to order

Open stats details

Visits by page

Page	Last visit	Number of visits
http://joomla32devindex.php/cat-articles1	2014-03-23 20:33:52	1
http://joomla32devpage4	2011-03-20 07:41:02	1
http://joomla32devpage3	2011-03-20 07:40:52	1
http://joomla32devpage2	2011-03-20 07:40:42	1
http://joomla32devpage1	2011-03-20 07:40:32	1
http://joomla32devindex.php/pimperio	2014-05-09 04:40:32	1
http://joomla32devindex.php/leaveoff	2014-05-20 18:27:12	1
http://joomla32devindex.php/cat-articles4	2014-03-23 19:43:52	1
http://joomla32devindex.php/cat-articles3	2014-03-23 20:00:32	1
http://joomla32devindex.php/cat-articles2	2014-03-23 20:17:12	1

Visits by user

Name of user	Last visit	Visit lifetime	Browser	Operating system	IP address	Geo located users	Viewed pages
Guest_4	2014-03-23 20:33:52	00:02:40	Chrome	Windows_NT	127.0.0.1	US	4
Guest_bud	2011-03-20 07:41:12	00:06:40	Chrome	Android	198.1.1.1	DE	5
Guest_h725	2014-05-20 18:27:12	00:02:20	Chrome	Windows8	198.1.1.16	IT	2

Referral traffic

Searched keywords

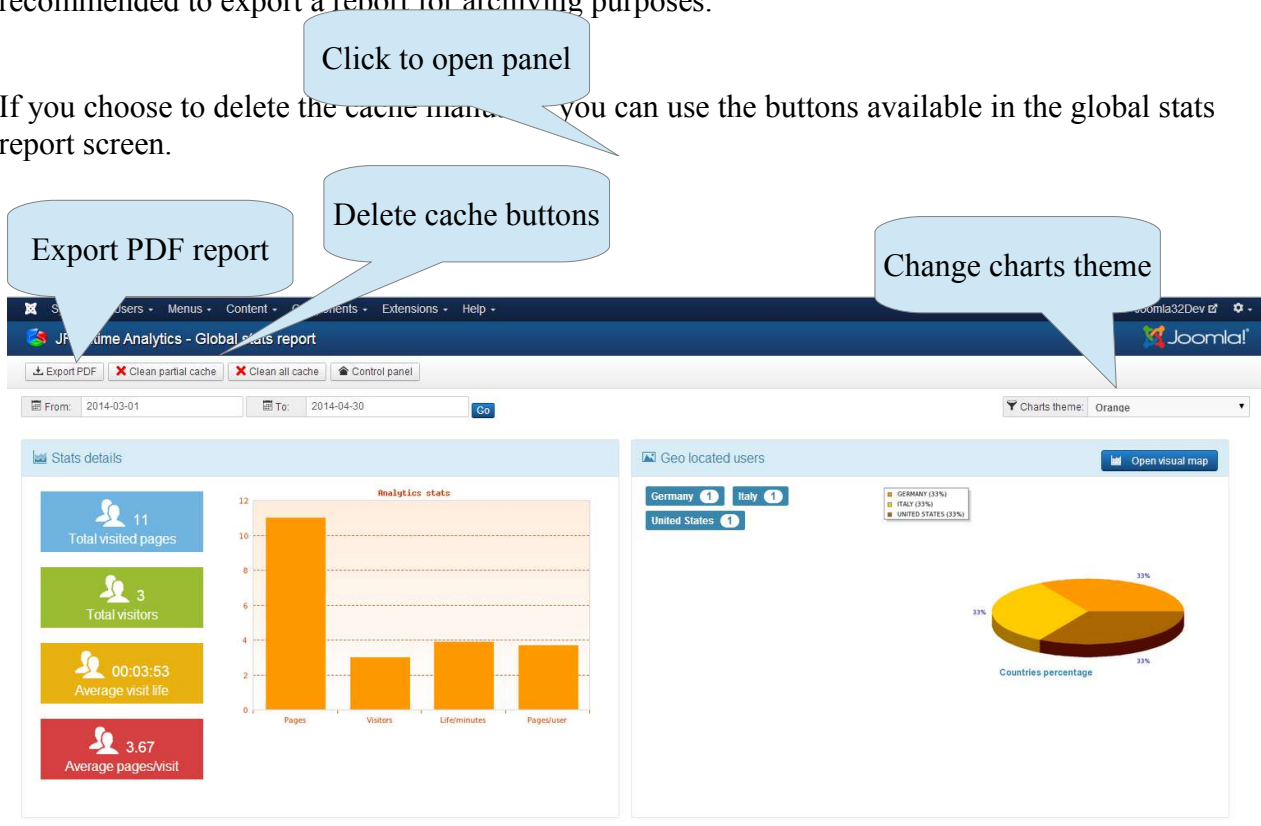
Cleaning stats cache on database

JRealtime Analytics stores all stats informations on the Joomla database, so that you don't need any external resource to monitor your site.

Having site with a huge amount of visits by day, you may need to periodically clean database tables by collected stats. This can be done manually or automatically.

NOTICE: cleaning stats cache on database means that all collected data will be deleted permanently and won't be possible to recover them anymore. For this reason before cleaning the cache it's recommended to export a report for archiving purposes.

If you choose to delete the cache manually, you can use the buttons available in the global stats report screen.



Buttons to delete cache let you delete all cache in a single operation, or only the stats data in selected period.

- Clean all cache – Database table will be completely cleaned
- Clean partial cache – Database table will be cleaned only by stats collected in the selected period interval. The period interval is set using the calendars input boxes.

If you prefer to leave the component to manage automatically the health of your database space, you can enable the parameter 'Clean collected stats automatically' in the component configuration.

By default it's disabled and set to a max age period of 24 months. This means that once activated the auto clean mode, all stats older than 24 months will be automatically deleted from database tables, with no need of manual operations. Of course the monthly max age can be set to a different value.

The auto clean mode for realtime stats is enabled by default and it's recommended to leave it active because realtime data refreshes continuously. On high traffic sites you can change the cleaning frequency setting to a lower value, this can save server resources.

System - Users - Menus - Content - Components - Extensions - Help -

JRealtime Analytics - Configuration

Save configuration Control panel

Preferences Exclusions Advanced Permissions

System status

Clean realtime cache Yes

Cleaning frequency

Clean collected stats automatically No Yes

Max age (months) 24

Enable auto clean mode

Customize global stats report

You can choose exactly what kind of stats are required to be included in the global stats report using an advanced configuration.

Every kind of sub-report can be excluded if not needed, this is particularly useful on high traffic sites that need a lot of time to generate a full report for collected data. If you experiment timeouts during stats report generation or if it requires too much time or server resources, you can disable single sub-reports that are not required.

Another way to save server resources is changing default stats period for the generated report. On high traffic sites (hundreds or thousands of visits by day) you can set the default period to a lower daily limit.

The default stats period can also be set for the control panel quick stats.

This kind of interval refers to a period calculated upon the current day basis and can be set as :

- Last day
- Last week
- Last month

General

Frontend server load

60%

Backend server load

60%

Inactivity time to consider users logged out

8

Guest users name prefix

Guest

Control panel stats period

Last day

Global stats report

Default stats period

By month

Enable landing pages stats

No

Yes

Enable leave off pages stats

No

Yes

Enable visits by page stats

No

Yes

Enable visits by user stats

No

Yes

Enable referral stats

No

Yes

Enable search keys stats

No

Yes

Set a default stats period

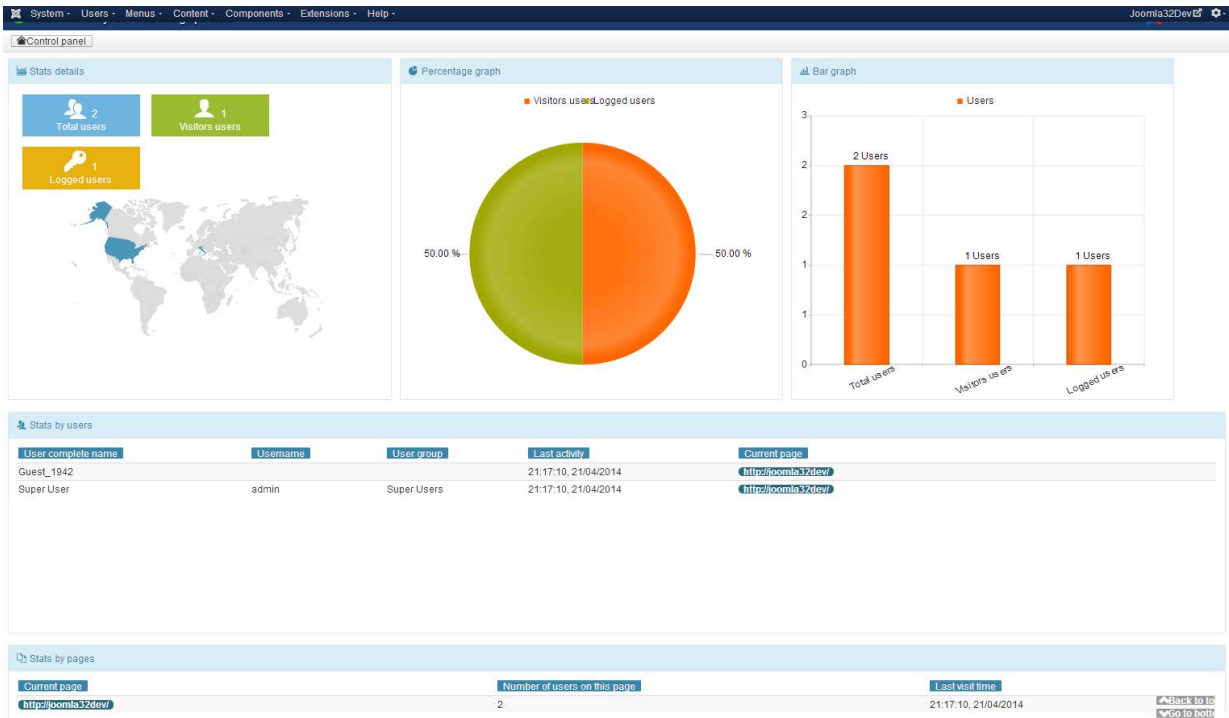
Configure stats report

Realtime stats

Using the 'Realtime stats' you can monitor in realtime what happens on your website, having a complete view of users stats, geo map, pages that users are visiting, etc.

To run the realtime stats application you need only to click on the icon available in the admin control panel.

Every kind of textual and graphical stats will be refreshed in realtime based on what happens on your site.



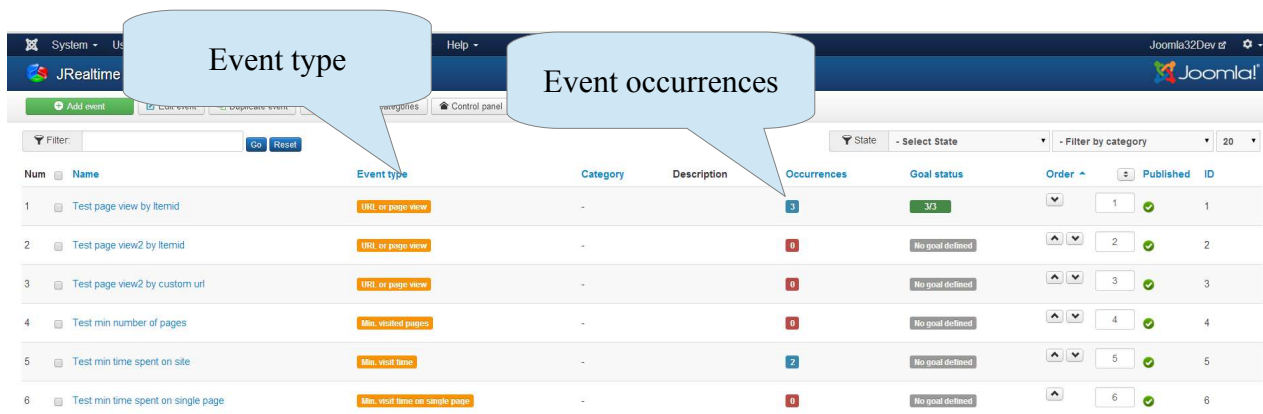
Universal Events Tracking System TM

The heart and the most powerful feature of JRealtime Analytics is the configurable events system that is capable to integrate with every Joomla! extensions and track every kind of events triggered on your website as a custom stat.

The most common scenario to use the events system are: downloads tracking, documents download using extensions such as Docman, Edocman, etc, page views, time spent on site etc.

There are 4 types of events available:

- URL or page view
- Min number of visited pages
- Min visiting time
- Min visiting time on a single specific page

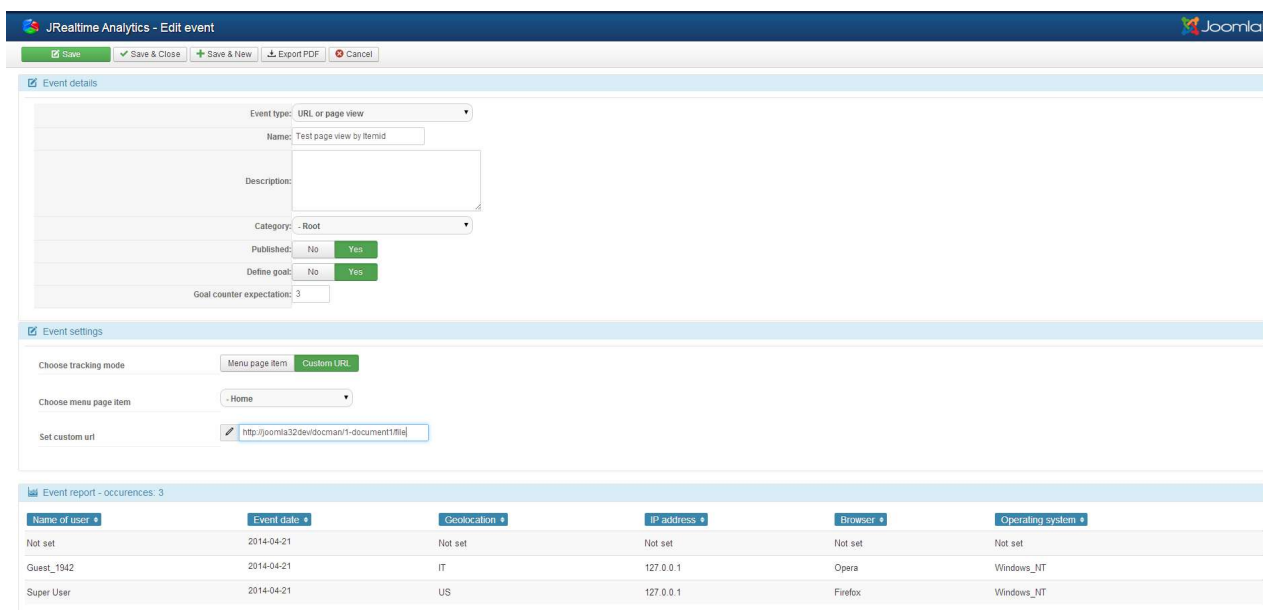


Num	Name	Event type	Category	Description	Occurrences	Goal status	Order	Published	ID
1	Test page view by Itemid	URL or page view	-		3	3/3	1	✓	1
2	Test page view2 by Itemid	URL or page view	-		0	No goal defined	2	✓	2
3	Test page view2 by custom url	URL or page view	-		0	No goal defined	3	✓	3
4	Test min number of pages	Min. visited pages	-		0	No goal defined	4	✓	4
5	Test min time spent on site	Min. visit time	-		2	No goal defined	5	✓	5
6	Test min time spent on single page	Min. visit time on single page	-		0	No goal defined	6	✓	6

Creating an event of type 'URL or page view', let you track virtually every kind of action on your site. You can choose to track a single specific menu item choosing it from the dropdown, or you can specify a custom URL for example to track download of a specific document.

In the example below, using the custom url: <http://joomla32dev/docman/1-document1/file> makes it possible that this kind of event will track every download click on that Docman document.

Every occurrences of events and details like users, IP address, browser, etc are shown in the below report table that can be sorted and exported in various formats.



Event details

Event type: URL or page view

Name: Test page view by Itemid

Description:

Category: - Root

Published: ☐ No ☒ Yes

Define goal: ☐ No ☒ Yes

Goal counter expectation: 3

Event settings

Choose tracking mode: ☐ Menu page item ☒ Custom URL

Choose menu page item: - Home

Set custom url: <http://joomla32dev/docman/1-document1/file>

Event report - occurrences: 3

Name of user	Event date	Geolocation	IP address	Browser	Operating system
Not set	2014-04-21	Not set	Not set	Not set	Not set
Guest_1942	2014-04-21	IT	127.0.0.1	Opera	Windows_NT
Super User	2014-04-21	US	127.0.0.1	Firefox	Windows_NT

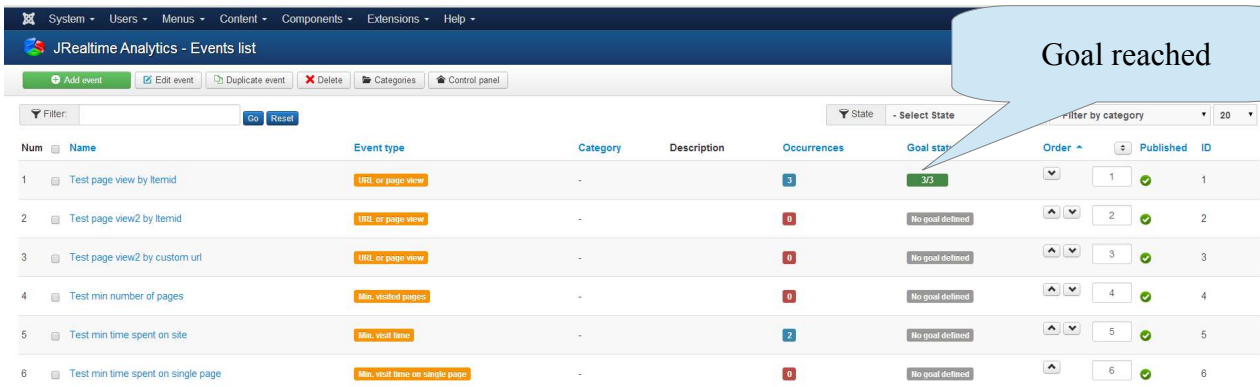
The type of event 'Min visited page', is triggered everytime a user reach the min number of pages visited on your site in a single session. This kind of event is very useful to understand trend of your site. It provides a single field where you can set the number of expected visited page needed to trigger event tracking.

The same concept can be applied using event types based on time. You can set a min time needed to be spent visiting your site or even a single specific page. Everytime the time in minutes/seconds you set is reached the new event will be tracked. This is a fundamental system to understand trend of your site and single pages for users. As an example, you can know exactly how many users spent more that 1 minute on single page... a SEO invaluable stat!

Goal system

For every single event record can be set an additional expectation, that allows you to track it with a goal expectation to be reached. The goal can be set activating the switcher button and specifying a counter value for the expectation.

For example, suppose that you have a document available for download and you want to be notified when 1000 downloads are reached. You can create a new event to track downloads on that document, and set a goal expectation to 1000. When the event will be triggered for 1000 times, a green icon will be shown in the events list to notify you that the goal has been reached.



The screenshot shows the 'JRealtime Analytics - Events list' interface. It features a table with columns: Num, Name, Event type, Category, Description, Occurrences, Goal state, Order, Published, and ID. The first row, 'Test page view by Itemid', has 3 occurrences and a 'Goal reached' status (3/3), highlighted by a blue callout bubble. The other rows have 0 occurrences and 'No goal defined' status.

Num	Name	Event type	Category	Description	Occurrences	Goal state	Order	Published	ID
1	Test page view by Itemid	URL or page view	-		3	3/3	1	✓	1
2	Test page view2 by Itemid	URL or page view	-		0	No goal defined	2	✓	2
3	Test page view2 by custom url	URL or page view	-		0	No goal defined	3	✓	3
4	Test min number of pages	Min. visited pages	-		0	No goal defined	4	✓	4
5	Test min time spent on site	Min. visit time	-		2	No goal defined	5	✓	5
6	Test min time spent on single page	Min. visit time on single page	-		0	No goal defined	6	✓	6

Mobile Heatmap TM

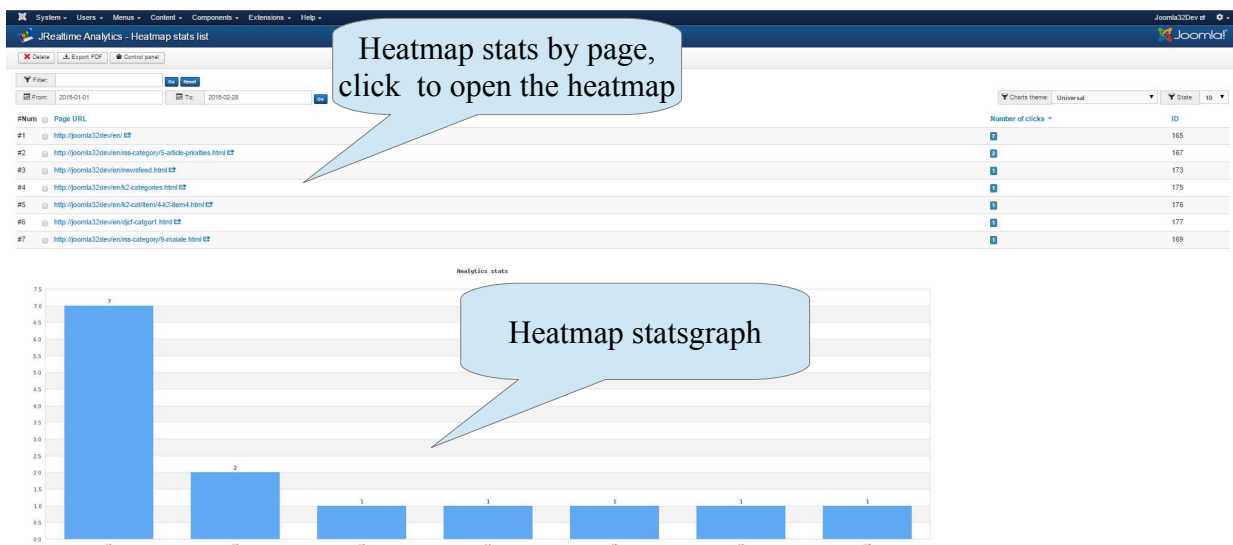
With JRealtime Analytics for the first time you can take advantage of the mobile heatmap tracking for every page of your site. This means that you can have an overview of the exact elements on pages where users clicks more often, tracking the exact number of clicks in a given period.

The Mobile Heatmap system of JRealtime Analytics allows you to get an overview of real elements that have been clicked on pages independently by the screen resolution, this means that heatmap stats are showed correctly even changing the screen resolution if you are using a responsive template and users visit your site using mobile devices such as smartphones or tablets.

You are no more limited to track the point coordinates in the page that has been clicked in a particular screen resolution, now real HTML elements receiving clicks are tracked and shown in the heatmap. See the most "active" click spots on your website, optimize the page to get better conversions and sales, monitor the total click density of pages and act accordingly to optimize your pages. The heatmap can show you what users are looking for, you can get great advantages knowing all these informations to optimize pages accordingly.

Why conversion tracking is this important? Click conversion tracking can tell you how many times user has clicked button you're watching as one which is important for you. Like "Add to cart" or "Buy Now". Optimize your content and watch increase, see popularity of elements and hot places, you can have the popularity of each element highlighted.

To access the heatmap stats you have to click on the icon in the main control panel, the stats list will be shown as in the picture below:

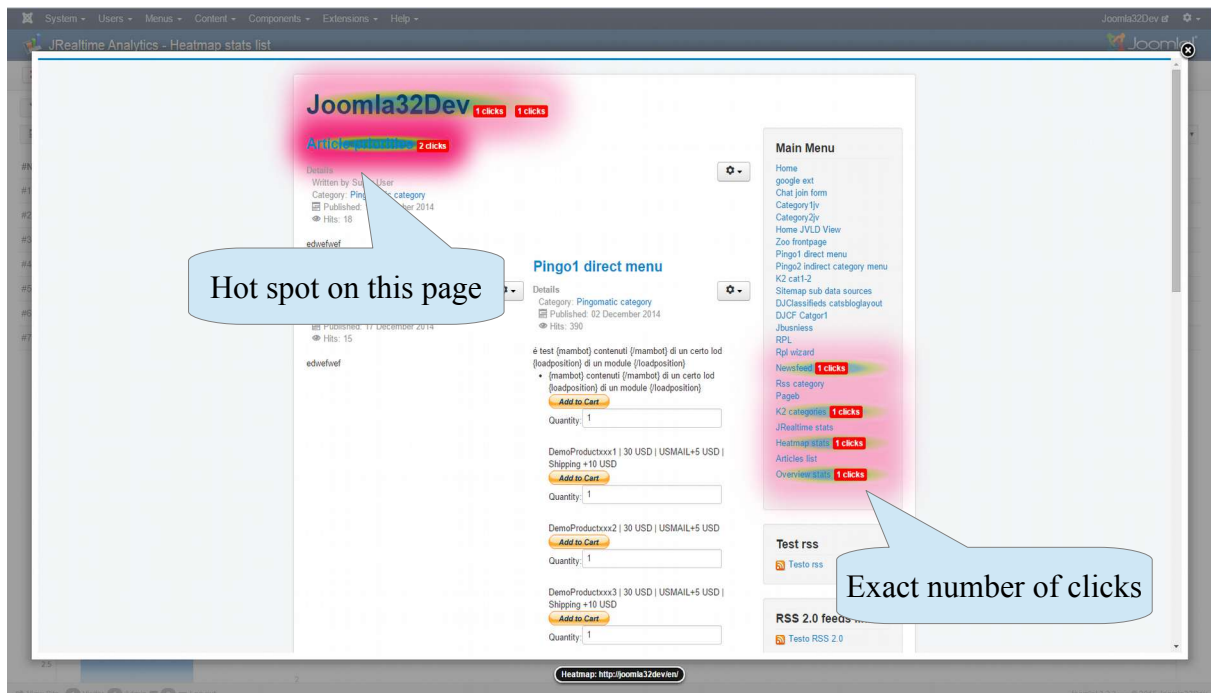


The list and the graphic chart will give you an overview of pages visited by users on your site with the corresponding tracked number of clicks, by default most clicked pages will be ordered at the top of the list.

To open and display the heatmap for each page just click on the link text or icon, a window will be opened to show the heatmap for that page.

The heatmap will show even the number of clicks received by single elements on the page, and colors will give you a quick overview about most focused contents by users.

Once clicked on the page of interest the heatmap will be opened and will show the most targeted elements by users using a colors variation as visible in the screenshot below:



Overview Stats

With the Overview Stats report you can have a quick look at how the trend of your website is going on during a period of time.

The Overview Stats displays in a graph the following informations:

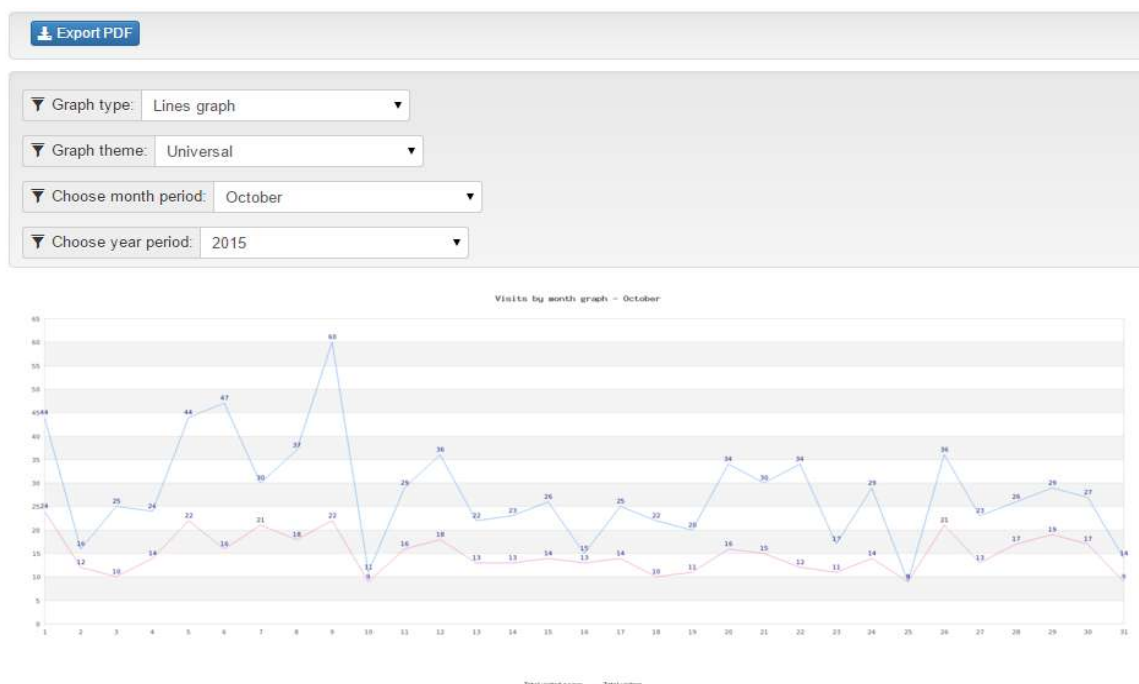
- Number of total visited pages
- Number of unique visitors in a single day

Stats can be grouped in 2 different ways:

- For each month of a full year
- For each day of a specific month



The graph can be rendered both in frontend, backend, using bars or lines, exported and emailed.

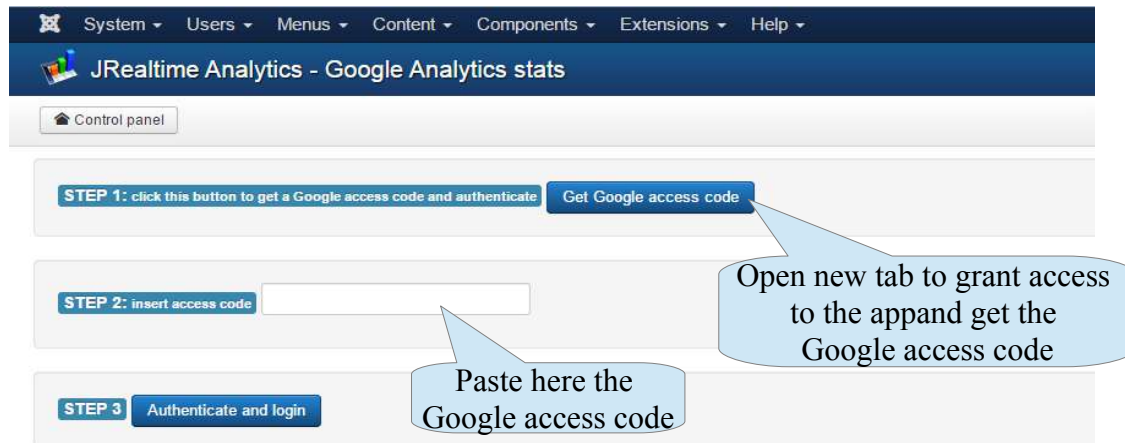


Google Analytics integration

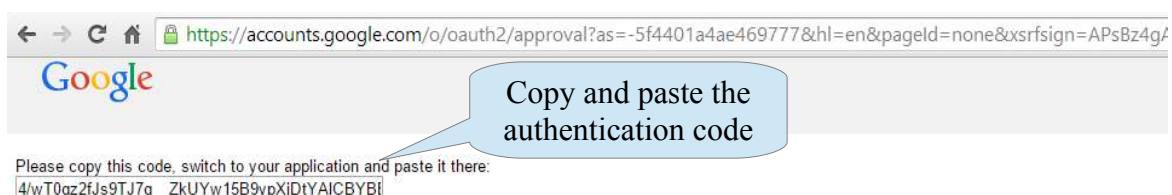
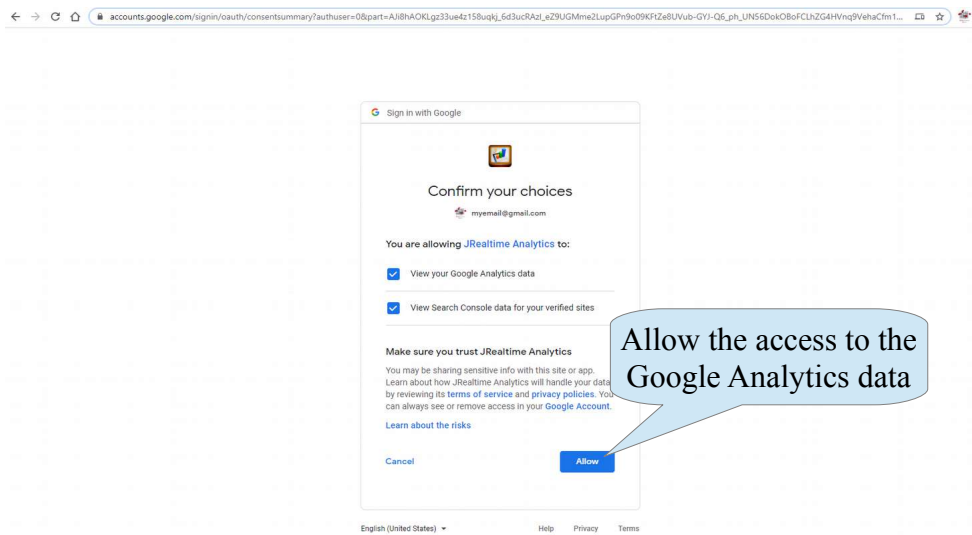
If you have a Google account to monitor stats of your site with Google Analytics you can easily activate it directly inside JRealtime Analytics thanks to the integration feature available.

Login and display stats of your Google Analytics account directly inside JRealtime Analytics is an easy 3 steps process described below:

1. Click the button 'Get Google access code'
2. Paste the Google code into the text filed
3. Click the button 'Authenticate and login' to access Google Analytics and show stats



When you click on the button 'Get Google access code' you need to login to your Google account used to monitor Google Analytics stats for your site. Once prompted to allow the JRealtime Analytics app to access Google Analytics data, click on the 'Allow' button and you get your authentication code.



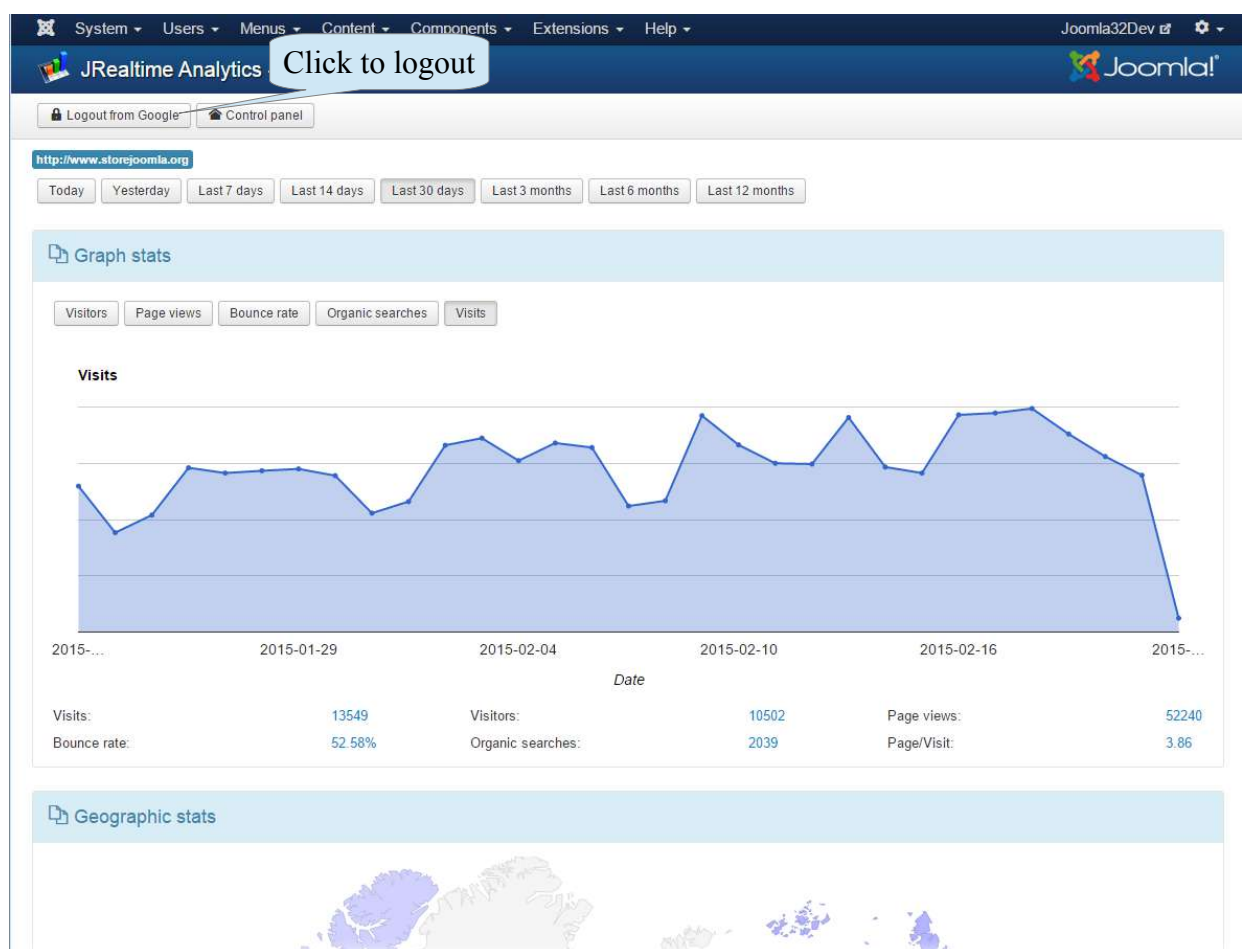
Once you got the authentication access code paste it and click on the button 'Authenticate and login' to start the application and show Google Analytics stats.

The screenshot shows the 'JRealtime Analytics - Google Analytics stats' control panel. It has a navigation bar with links: System, Users, Menus, Content, Components, Extensions, and Help. Below the title bar is a 'Control panel' button. The main area contains three steps:

- STEP 1:** click this button to get a Google access code and authenticate. A button labeled 'Get Google access code' is next to it.
- STEP 2:** insert access code. A text input field contains the code '4/wT0gz2fJs9TJ7g__ZkUYw15B9yI'. A callout bubble points to this field with the text 'Paste the access code'.
- STEP 3:** Authenticate and login. A button labeled 'Authenticate and login' is next to it. A callout bubble points to this button with the text 'Click to login'.

Once you are authenticated to Google you can display stats for your site and change periods and metrics as shown below.

To logout from Google and close the application you can click on the button 'Logout from Google' in every moment you need. If you don't logout, the authentication to Google will be valid even at a later time and you won't need to repeat the authentication process again.



Registration of a Google Analytics Property for the API

If you are going to register a new property in your Google Analytics account, it's required that you register your property as a '**Universal Analytics Property**', otherwise Google won't make your property available for the API usage.

Google does not support the usage of the Google Analytics API for 'Google Analytics 4 property', 'Stream', 'IOS or Android apps' platforms.

When you register a new property in your Google Analytics account, you need to:

1. Click 'Show advanced options'
2. Enabled 'Create a Universal Analytics property'
3. Choose to 'Create Google Analytics 4 and a Universal Analytics property' or 'Create a Universal Analytics property only'

The screenshot shows the 'Create property' page in the Google Analytics Admin interface. The page is titled 'Create property' and has a progress indicator for 'Property setup'. The 'Property details' section includes fields for 'Property name' (filled with 'My property'), 'Reporting time zone' (set to 'United States'), and 'Currency' (set to 'US Dollar (USD \$)'). Below this is a 'Hide advanced options' button. The 'Create a Universal Analytics property' section is highlighted with a yellow box and a callout bubble that says 'Open advanced options'. This section contains a 'Website URL' field (filled with 'https:// www.mydomain.com') and a 'support app' button. The 'Create both a Google Analytics 4 and a Universal Analytics property' option is selected with a radio button, and the 'Enable enhanced measurement for Google Analytics 4 property' checkbox is also checked. A callout bubble points to the 'support app' button with the text 'Enable the Universal Analytics property'. The 'Create a Universal Analytics property only' option is unselected.

analytics.google.com/analytics/web/#/a56402482w251222788p232121468/admin/property/create

Analytics All accounts > downloads storejeden... All Web Site Data Try searching for "audience overview"

ADMIN USER

Create property

1 Property setup

Property details
A property represents a business's web and/or app data. An account can contain one or more properties. [Learn more](#)

Create a Google Analytics 4 property to measure your web and/or app data.

Property name
My property

Reporting time zone
United States (GMT-07:00) Los Angeles Time

Currency
US Dollar (USD \$)

You can edit these property details later in Admin

Hide advanced options

Create a Universal Analytics property

The Universal Analytics property is a part of an earlier version of Google Analytics and only supports web measurement. Turn this on if you'd like to create a Universal Analytics property.

Website URL
https:// www.mydomain.com

support app

☒ Create both a Google Analytics 4 and a Universal Analytics property
This will create two properties with connected site tags, so you only need to tag your website once. [Learn more](#)

☒ Enable enhanced measurement for Google Analytics 4 property
Automatically measure interactions on your sites in addition to standard screen view measurement. Data from on-page elements such as links and embedded videos may be collected with relevant events. You must ensure that no personally-identifiable information will be sent to Google. [Learn more](#)

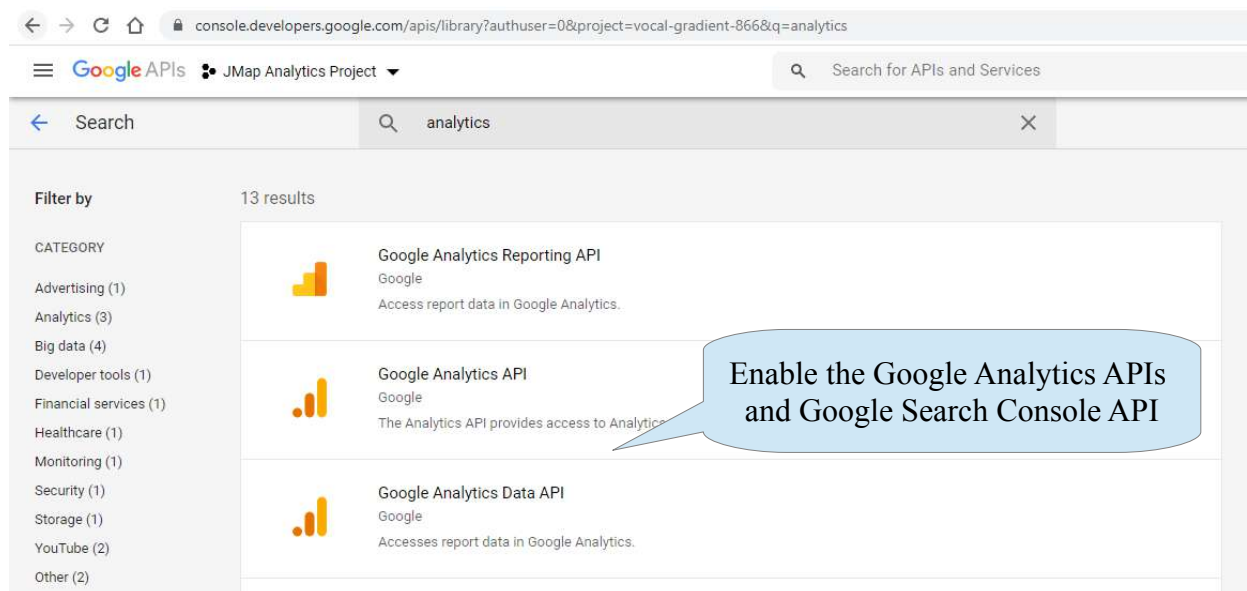
☐ Create a Universal Analytics property only

If you are using a single Google account to monitor multiple sites with Google Analytics, you can specify a particular domain for stats. In this case use the component configuration tab 'Google Analytics'.

The screenshot shows the 'JRealtime Analytics - Configuration' interface. At the top, there's a navigation bar with tabs: System, Users, Menus, Content, Components, Extensions, and Help. Below this is a sub-header 'JRealtime Analytics - Configuration' with buttons for 'Save configuration' and 'Control panel'. The main content area has several tabs: Preferences, Exclusions, Stats module, Advanced, Google Analytics (selected), and Permissions. The 'Google Analytics' tab contains four input fields: 'Site domain' (http://www.mydomain.org), 'Google ApiKey' (AlzaSyC-4AagDEPvXZ0J1KMZky), 'Google Client ID' (872567856644-g1j8hbip0u8vm45ot7), and 'Google secret code' (58fP1JwLkNfRSxhuQmvTSkik). Two callout boxes provide instructions: one pointing to the 'Site domain' field saying 'Set a specific domain', and another pointing to the 'Google ApiKey' field saying 'Set custom Google App credentials if any'.

Setting up your Google Application

You may need to setup your own Google App to retrieve data from Google Search Console/ Webmasters Tools and Analytics. If you don't setup your own Google app, the default app credentials included into the component will be used. If you want to create your own app credentials, although not required, follow the process reported below.



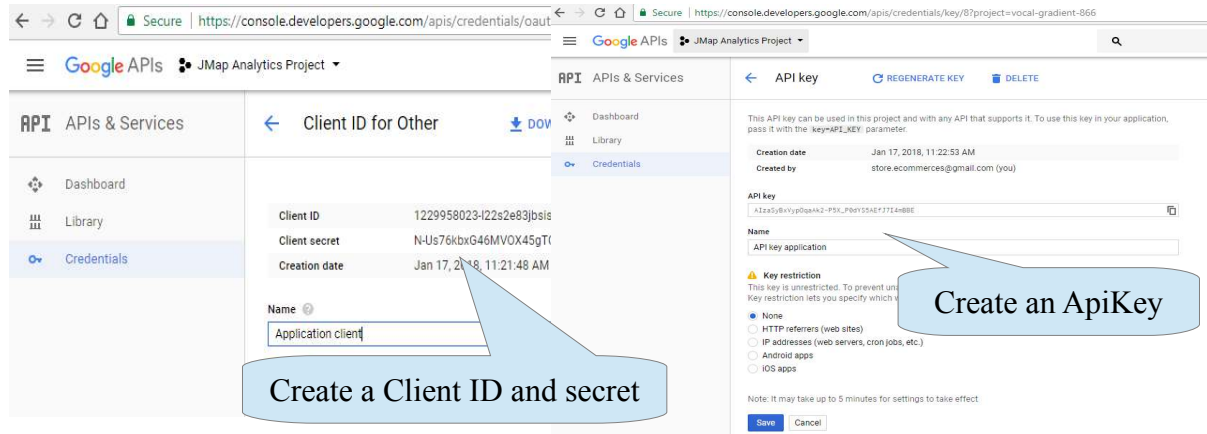
To create a new Google Application you need to navigate to <https://console.developers.google.com>, add a new project and enable the '**Google Search Console API**' and '**Google Analytics xxx APIs**'. Notice that there are 3 APIs for Google Analytics, based on the integration chosen you may need to enable them all. After that you have to open the section '**Credentials**' in the left menu and click on '**Create credentials**' → '**Oauth Client ID**' choosing the type '**Web Application**'.

In the field named 'Authorized redirect URIs' enter the URI:
<https://storejextensions.org/oauthauthentication.html>

The Client ID and secret code will be generated by Google, you can do the same for the ApiKey clicking on the button '**Create credentials**' → '**API key**' and choosing '**Server key**' if requested.

The first time that you add a new application you will be requested to compile the '**Consent screen**' and fill in several informations and details about your app usage such as the name, the logo, etc

The consent screen will be prompted to users when requesting an access.

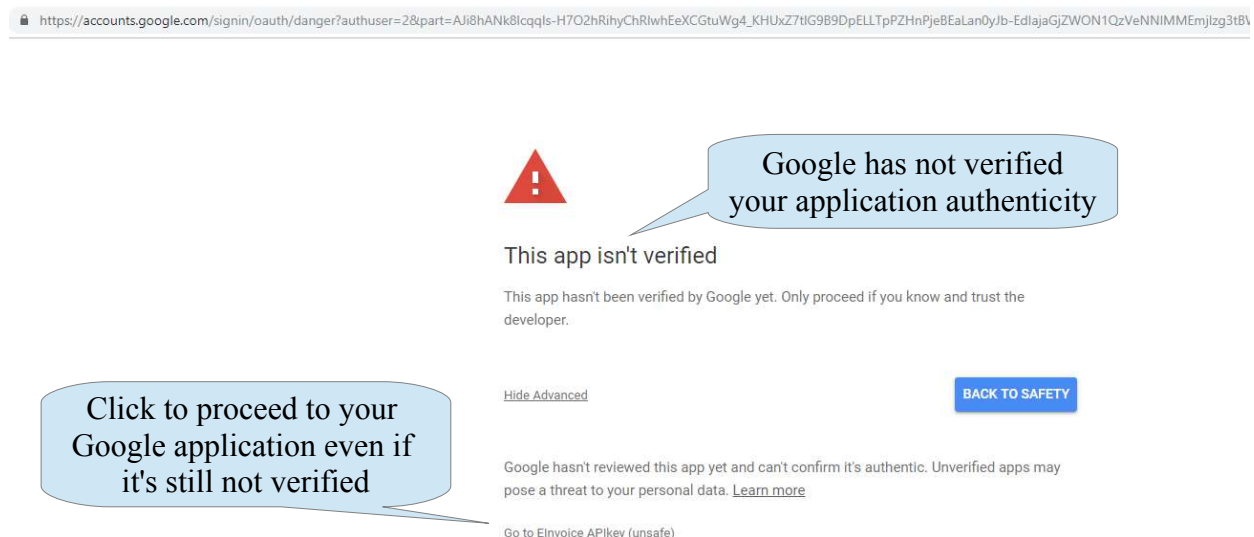


When you have setup your Google app with client ID, client secret and ApiKey you can copy and paste them in the JRealtime Analytics configuration section for Google Analytics.

NOTICE: creating your own Google App is not mandatory to use the Google Analytics integration, indeed if you don't provide your specific credentials in JRealtime Analytics configuration the default access codes will be used that are already setup to work without any additional operation.

IMPORTANT: Google has recently introduced a new system to increase security and privacy of user data, as a result when you create your own application you may need to request a verification to Google in order to use it without any warning.

When you use credentials of your newly created application, the consent screen may report a warning message saying 'This app isn't verified' so that an explicit grant must be given by the user clicking on '*Go to appname....(unsafe)*'



This consent screen appears because Google requires to verify your application before granting access to your Google Analytics data via the API integration. If you are logging in with the same account used to create the application, this screen may not be shown at all, but if you are using a different account you may be prompted with this warning about the authenticity until the app has been verified by Google.

To remove this warning consent screen for everyone using your Google Application, you have to submit a 'Request for verification' to the Google team using the button at the bottom of the Oauth consent screen. Once the process is completed and your app has been verified by the Google team, the consent screen will no longer include any warning.

The screenshot shows the 'Credentials' page in the Google APIs console. The left sidebar has 'APIs & Services' and 'Credentials' selected. The main area is titled 'Credentials' and contains the following sections:

- Shown on the consent screen for user support:** A dropdown menu with 'store.ecommerces@gmail.com' selected.
- Scopes for Google APIs:** A section explaining that scopes allow access to user data. It lists 'email' and 'profile' as selected scopes, each with a trash icon to remove it. There is an 'Add scope' button below.
- Authorized domains:** A section explaining that domains must be hosted on Authorized Domains. It lists 'storejextensions.org', 'av-eon.com', and 'optimaplus.ch' as authorized domains, each with a trash icon. There is an input field for 'example.com' and a note 'Type in the domain and press Enter to add it'.
- Application Homepage link:** A section explaining that the link must be hosted on an Authorized Domain. The input field contains 'http://demo.storejextensions.org'.
- Application Privacy Policy link:** A section explaining that the link must be hosted on an Authorized Domain. The input field contains 'http://demo.storejextensions.org/privacy.html'.
- Application Terms of Service link (Optional):** A section explaining that the link must be hosted on an Authorized Domain. The input field contains 'http://demo.storejextensions.org/terms.html'.

At the bottom, there are three buttons: 'Save', 'Submit for verification', and 'Cancel'. Two blue callout boxes are present:

- One pointing to the 'Authorized domains' section with the text 'Fill in authorized domains'.
- Another pointing to the 'Application Privacy Policy link' section with the text 'Fill in application homepage and privacy policy link'.

For more informations about the verification process refer to the official Google documentation:

<https://support.google.com/cloud/answer/7454865>

<https://support.google.com/cloud/answer/9110914>

Google Search Console integration

There are several aspects that you can monitor with JRealtime Analytics through the integration with the Google Search console.

For each **page** you can keep track of:

- Number of clicks
- Impressions
- Clicks/Impressions rate
- Average SERP ranking position

Moreover you can have a quick overview of the **keywords** used on Google to search and find your website by users. For each keyword you can keep track of:

- Number of clicks
- Impressions
- Clicks/Impressions rate
- Average SERP ranking position

System Users Menus Content Components Extensions Help Joomla!34 Joomla!

JRealtime Analytics - Google Search Console stats

Export XLS Logout from Google Control panel

http://storejextensions.org

From: 2015-08-01 To: 2015-08-31 Go

Change the stats period

Pages stats

Pages	Clicks	Impressions	Clicks/Impressions rate	Average SERP position
http://storejextensions.org/extensions/jsitemap_professional.html	289	3697	7.82%	11
http://storejextensions.org/extensions/jsitemap.html	121	4205	2.88%	20
http://storejextensions.org/extensions/jrealtime_analytics.html	104	1448	7.18%	13
http://storejextensions.org/extensions/responsivizer.html	95	2071	4.59%	14
http://storejextensions.org/extensions/fast_social_share.html	82	1667	4.92%	14
http://s	50	1078	4.64%	26
http://s	49	871	5.63%	20
http://storejextensions.org/	41	1920	2.14%	21
http://storejextensions.org/extensions/jchatsocial_enterprise.html	31	647	4.79%	21
http://storejextensions.org/extensions/pagescrollbuttons.html	29	437	6.64%	11
http://storejextensions.org/extensions/screen_reader.html	26	312	8.33%	12
http://storejextensions.org/extensions/instant_paypal.html	23	819	2.81%	16
http://storejextensions.org/extensions/visual_styles_modules.html	21	292	7.19%	20

Stats for each page links

Keywords stats

Keywords	Clicks	Impressions	Clicks/Impressions rate	Average SERP position
jsitemap pro	108	163	66.26%	1
jsitemap	83	213	38.97%	1
responsivizer	15	77	19.48%	2
jchatsocial	13	40	32.5%	2
joomla social buttons	7	55	12.73%	5
jchatsocial enterprise	7	16	43.75%	1
joomla sitemap generator	5	88	5.68%	6
joomla sitemap	5	304	1.64%	9
responsivizer joomla	4	15	26.67%	2
jrealtime analytics	4	11	36.36%	2
jsitemap download	4	11	36.36%	2

Stats for each keyword

Configuration

Using the component configuration you can rule exclusions for collected stats using an advanced system. This can be precious if you or some of your collaborators access often the website and you want to avoid that all these visits will be considered and tracked as valid.

To set this behavior of JRealtime Analytics and make it able to discard specific stats, you can choose between 4 different types of exclusions:

- By single IP address
- By a specific range of IP addresses
- By visited pages
- By specific users groups

Let's suppose that you access your site using a specific IP address. In this case it will be enough set the single IP address to exclude from stats. If you own a large company with multiple IPs, you can set a starting-ending range of addresses, and all visits coming from devices in that range will be ignored. This can also be useful to block bots, spammers, etc that could compromise your stats with junk data.

Moreover you can exclude completely every single pages accessible on your site to be tracked. If for example you have pages that don't need to be tracked you can easily exclude them using the provided dropdown.

Finally you can also exclude particular usergroups from stats. Having a large number of users that belong for example to an administrator group, you can easily exclude the whole group of users.

The screenshot displays the 'JRealtime Analytics - Configuration' interface. At the top, there is a navigation bar with links: System, Users, Menus, Content, Components, Extensions, and Help. Below this is a header bar with the title 'JRealtime Analytics - Configuration'. A sub-header contains two buttons: 'Save configuration' and 'Control panel'. The main content area has four tabs: 'Preferences', 'Exclusions', 'Advanced', and 'Permissions'. The 'Exclusions' tab is active. It features three sections: 'By IP address', 'By IP range', and 'By pages'. The 'By IP address' section has a 'Single IP address' field with a placeholder 'xxx.xxx.xxx.xxx'. The 'By IP range' section has 'Start range IP address' and 'End range IP address' fields, both with the same placeholder. The 'By pages' section has an 'Excluded pages' dropdown menu. The dropdown is open, showing a list of options: 'No page exclusion', 'Main Menu', '- Home', '- Subhome', '- Sitemap', '- Cat articles', '- Docman', '- Sitemap2', and '- Custom url'. Below the 'By pages' section is the 'By users groups' section, which has an 'Excluded groups' dropdown menu. This dropdown is also open, showing a list of options: 'No exclusions', '- Guest', '- Manager', '- Administrator', '- Registered', '- Author', '- Editor', and '- Publisher'.

Advanced features

Track direct documents download or external links

Tracking the download of documents that point directly to files onto the file system or external links that point to other sites, is almost difficult if not impossible to do, because the document is served directly by a certain server and the Joomla! execution is completely bypassed.

This is not a problem using components such as Docman to manage downloads, but having links that reference directly files stored in some folders of your server needs a more advanced and manual configuration.

Let's suppose you have a Joomla! article with a link to a PDF document stored at the server root:

```
<a href="http://mysite.com/document.pdf">Download PDF</a>
```

Once a user clicks on this link, the Apache server will deliver directly to that user the PDF document, and Joomla! will not be executed nor notified of this click event.

To track the download of this document you can proceed with the following steps:

- Add a custom code to the link
- Add a hidden iframe
- Create a JRealtime event record of type '**URL or page view**' choosing '**Custom URL**' with the same URL specified

The first operation is adding a custom 'onclick' code to the link you need to track:

```
onclick="document.getElementById('trackdownload').src='http://mysite.com/index.php?option=com_jrealtimeanalytics&track=1'"
```

The parameter track with value 1 is a custom identifier for this download and can be changed if you have multiple documents to track incrementing the value. Basically all that is needed is that every documents have a unique identifier for a URL.

After that, you need to embed a hidden IFRAME inside the page in which download links to track are located:

```
<iframe id="trackdownload" style="display:none" src=""></iframe>
```

As a final results the HTML code for the link will be as follow:

```
<a href="http://mysite.com/document.pdf"
onclick="document.getElementById('trackdownload').src='http://mysite.com/index.php?option=com_jrealtimeanalytics&track=1'">Download PDF</a>
```

```
<iframe id="trackdownload" style="display:none" src=""></iframe>
```

The last step is to create a new JRealtime event record to track the download of this document, you can choose the type 'URL or page view' and set the type to 'Custom URL'.

Set the custom URL value with the same value used for the src of the IFRAME in the 'onclick' code: http://mysite.com/index.php?option=com_jrealtimeanalytics&track=1

Everytime that a user clicks on that link, the event counter will be incremented.

JRealtime Analytics - Edit event

Save Save & Close Save & New Export PDF Cancel

Event details

Event type: URL or page view

Name: Custom document download

Description:

Category: - Root

Published: No Yes

Define goal: No Yes

Goal counter expectation: 0

Event settings

Choose tracking mode: Menu page item Custom URL

Choose menu page item: - Home

Set custom url: http://mysite.com/index.php?option=com_jrealtimeanalytics&track=1

Event report - occurrences: 3

Name of user	Event date	Geolocation	IP address	Browser	Operating system
Super User	2014-04-22	US	127.0.0.1	Chrome	Windows_NT

NOTICE: if you need to track documents download/click using extensions such as Docman, EDocman, etc you can do this without using the above technique and eventually even without the need to create a event record for each single document. If you want that the global stats report will track every document download/click when using third party extensions to manage documents, just enable the parameter as shown below choosing the extension used to manage documents.

Preferences Exclusions Stats module Advanced Google Analytics Permissions

System status

Clean realtime cache automatically: No Yes

Cleaning frequency: Medium

Clean collected stats automatically: No Yes

Max age (months): 24

Enable cache: No Yes

Cache lifetime(minutes): 60

Time offset type: Joomla settings Server settings

Direct extensions tracking:

- digistore
- djcatalog2
- docman
- easyblog
- easydiscuss
- easysocial
- edocman
- eshop
- eventbooking
- eventgallery

Enable a document manager extension to track downloads in the global stats report

Quick stats module

You can choose to use the bundled JRealtime Analytics module to show, in a custom template position, a quick stats report both for daily stats and realtime stats.

Joomla32Dev

Sitemap filter2 menu

Main Menu

You are here: Home

Jrealtime stats	
Stats on:	2014-07-13
Total visited pages:	2
Total visitors:	2
Average time:	00:01:34
Page per user:	1
Realtime stats	
Users on page:	2
Visitors:	1
Logged users:	1
Total users:	2

Using the Joomla! modules manager, you will find the module named 'JRealtime Analytics Module' that has no positions and pages assigned and that is not published. If you want to use it to render the quick stats report, you can publish and manage it as you are usual to do for any other Joomla! module, so assigning pages, a template position, an access level, etc.

After that the quick stats module is enabled correctly based on your preferences, you can manage the type of stats to render through the component configuration.

In the following picture you see available settings for the stats module.

The 'Stats module status' indicates the current status of the stats module, when the label is green it means that the stats module is enabled and assigned to a valid template position. Clicking on the label, you will be redirected directly to the Joomla! modules manager to edit settings.

Preferences Exclusions **Stats module** Advanced Permissions

Stats module status

☒ Stats module enabled

Show daily stats

No

☒ Yes

Show realtime stats

No

☒ Yes

Status of the module
for quick stats

Type of stats to include
in the module