
Neos Google Analytics Integration

Release dev-master

The Neos Team

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This is the documentation for the Google Analytics integration into Neos, a free enterprise web content management system licensed under the GPL.

This version of the documentation covering dev-master has been rendered at: Aug 19, 2020

CHAPTER 1

Installation

The package can be installed via composer:

```
composer require typo3/neos-googleanalytics
```


2.1 Statistics display inside Neos

Configuration requires some setup on the side of Google, before the package can be used. In a nutshell:

1. Log in to the Google Developers Console
2. Set up the Consent screen
3. Create a web application Client ID
4. Create a public access Server key
5. Enable the Analytics API
6. Configure the Google Analytics Neos integration using the created credentials
7. Connect Neos instance and Google Account

The steps in detail

Go to the [Google Developers Console](#) and create a project. This is needed to create the API credentials and keys for the Analytics integration. The project name can be chosen freely and doesn't really matter, as you will probably be the only one to ever see it.

New Project

Project name ?

Your project ID will be neos-ga-976 ? [Edit](#)

[Show advanced options...](#)

[Create](#) [Cancel](#)

After the project has been created, you end up in the dashboard of the new project.

Google Developers Console

Neos GA ▾

Overview

Permissions

APIs & auth

Monitoring

Source Code

Deploy & Manage

Compute


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Project ID: neos-ga Project Number: 8981330446


Project Dashboard




Take the App Engine quickstart
Learn "Hello World" for App Engine and deploy your first app to the cloud. Duration: ~10 minutes.
[Try App Engine](#)



Try BigQuery with population data
Run queries against huge public data sets to see how BigQuery can help you analyze



Take the Cloud Functions quickstart
Use Cloud Functions to build serverless applications.
[Try Cloud Functions](#)



Create a Cloud Storage bucket
Store your data in the cloud with Cloud Storage.

The next step is to set up the Consent screen. Click on *APIs & auth* and then *Consent screen*, select an email address and fill in the project name. Again, this screen will probably only be shown to you, so don't think too hard about it. All other values in the screen are optional.

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Chapter 2. Configuration

Google Developers Console

Neos GA

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Consent screen

The consent screen will be shown to users whenever you request access to their private data using your client ID

Note: This screen will be shown for all of your applications registered in this project


Email address ?

Product name

Neos GA integration

Homepage URL (Optional)

Product logo (Optional) ?

 This is how your logo will look to end users
Max size: 120x120 px

Privacy policy URL (Optional)

Terms of service URL (Optional)

Google+ page ID (Optional) ?

plus.google.com/ page ID

Save

Reset

Now you need to create credentials for the integration. To do this, click on *Credentials* in the navigation, then *Create new Client ID*.

Google Developers Console

Neos GA ▾

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OAuth

No client IDs found.

OAuth 2.0 allows users to share specific data with you (for example, contact lists) while keeping their usernames, passwords, and other information private.

[Learn more](#)

Create new Client ID

Public API access

No keys found.

Use of this key does not require any user action or consent, does not grant access to any account information, and is not used for authorization.

[Learn more](#)

Create new Key

Here you need to fill in the domain of your site and must define an *Authorized redirect URI*. It has to be your domain again, followed by:

```
/neos/administration/googleAnalytics/authenticate
```

users to share

Create Client ID

Application type

☒ Web application
Accessed by web browsers over a network.

☐ Service account
Calls Google APIs on behalf of your application instead of an end-user. [Learn more](#)

☐ Installed application
Runs on a desktop computer or handheld device (like Android or iPhone).

Authorized JavaScript origins
Cannot contain a wildcard (http://*.example.com) or a path (http://example.com/subdir).

https://www.yoursite.com

Authorized redirect URIs
One URI per line. Needs to have a protocol, no URL fragments, and no relative paths. Can't be a public IP Address.

http://www.yoursite.com/neos/administration/googleAnalytics/authenticate

Create Client ID **Cancel**

Then click *Create Client ID*. Next create a new public API access key by clicking on *Create new Key*. In the following dialog, click *Server key*.

USERS TO SHARE

Create a new key

The APIs represented in the Google Developers Console require that requests include a unique project identifier. This enables the Console to tie a request to a specific project in order to monitor traffic, enforce quotas, and handle billing.

Server key **Browser key** **Android key** **iOS key**

Now define allowed IP addresses, if you like, and click *Create*.

Your credentials overview should now look like this:

OAuth

OAuth 2.0 allows users to share specific data with you (for example, contact lists) while keeping their usernames, passwords, and other information private.

[Learn more](#)

Create new Client ID

Client ID for web application

Client ID	89813304[redacted]johu63hor58j2.apps.googleusercontent.com
Email address	89813304[redacted]hu63hor58j2@developer.gserviceaccount.com
Client secret	C-zKQWav[redacted]Z_R1Y
Redirect URIs	http://www.yoursite.com/neos/administration/googleAnalytics/authenticate
JavaScript origins	https://www.yoursite.com

Edit settings Reset secret Download JSON Delete

Public API access

Use of this key does not require any user action or consent, does not grant access to any account information, and is not used for authorization.

[Learn more](#)

Create new Key

Key for server applications

API key	AlzaSyC12Y[redacted]/X4V5-GaV8
IPs	Any IP allowed
Activation date	Jun 14, 2015, 2:19:00 PM
Activated by	[redacted] (you)

Edit allowed IPs Regenerate key Delete

The last step in the Developers Console is to make sure the Google Analytics API is enabled. Click on *APIs* in the left navigation and enter “Analytics” in the search field.

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API Library Enabled APIs (6)

Analytics

Back to popular APIs

Name	Description
Analytics API	The Analytics API provides access to Analytics configuration and report data.
Google Compute Engine	Google Compute Engine provides virtual machines for large scale data processing applications.
URL Shortener API	The Google URL Shortener API lets you create and manage goo.gl short URLs and
YouTube Analytics API	Provides access to YouTube Analytics reports.

Click on the Analytics API link and on the following page on Enable API.

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← Enable API

Analytics API

The Analytics API provides access to Analytics configuration and report data.

[Learn more](#)

[Explore this API](#)

With the data from the credentials overview screen you can now configure the Neos integration, just fill in the blanks:

```

TYPO3:
Neos:
  GoogleAnalytics:
    authentication:
      # Application name for the consent screen
      applicationName: 'Neos GA'
      # "Client ID" of the OAuth 2.0 "Client ID for web application"

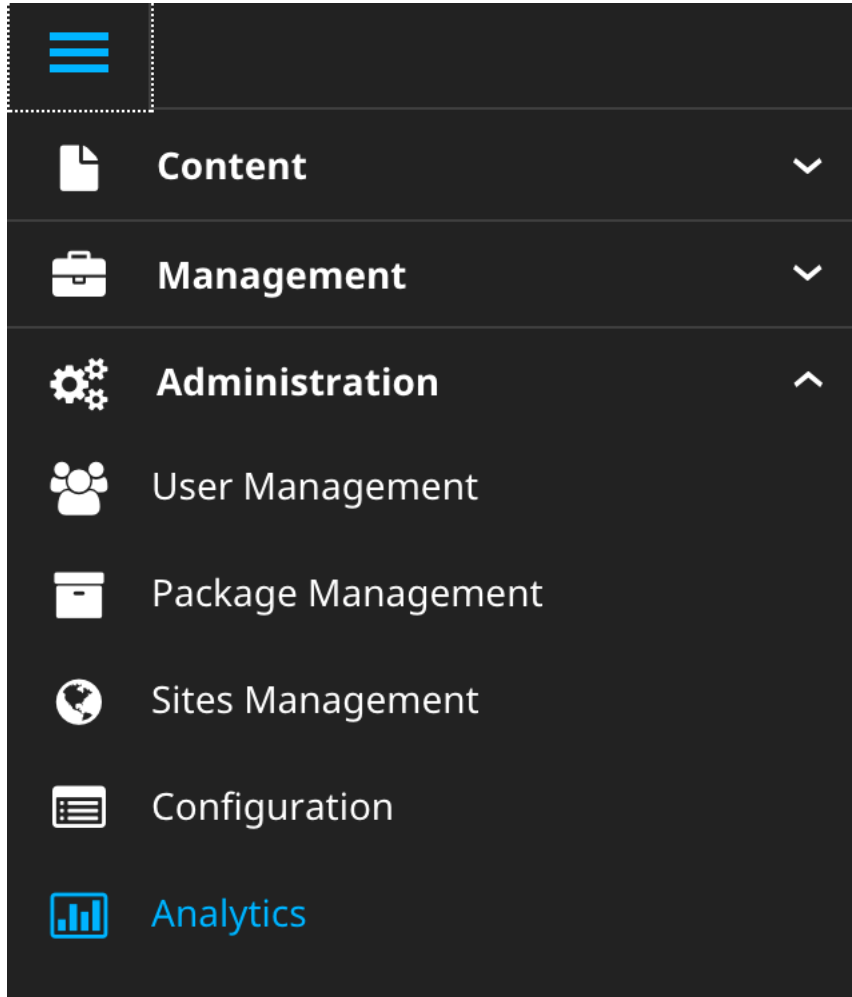
```

(continues on next page)

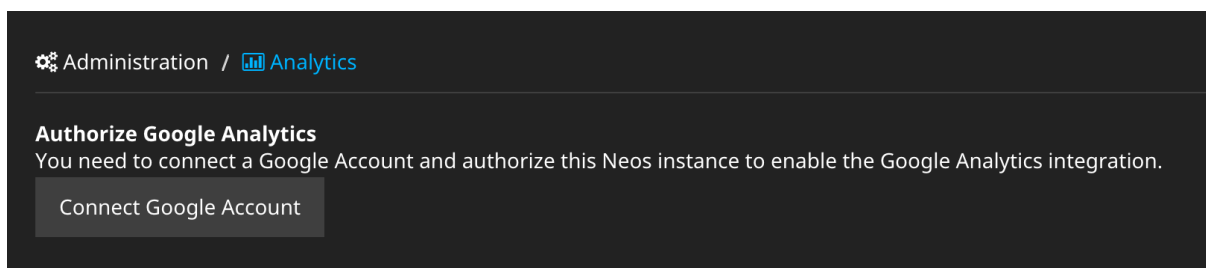
(continued from previous page)

```
clientId: ~  
# "Client Secret" of the OAuth 2.0 "Client ID for web application"  
clientSecret: ~  
# "API Key" of the Public API access credential "Key for server_↵  
↵applications"  
developerKey: ~
```

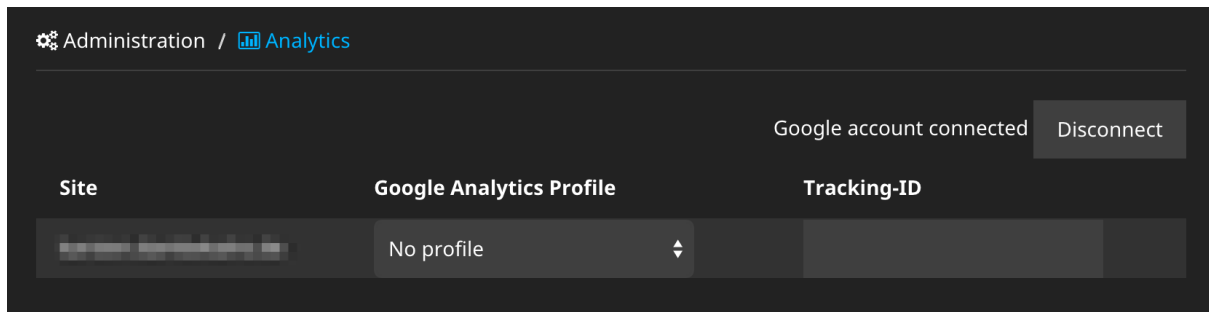
Now go to the Analytics module in the Neos user interface.



You will see a button to connect your Neos instance to a Google account.



Click it and you will be redirected to Google, showing you your consent screen and asking for offline read access to Google Analytics data. Agree and you will be redirected back to Neos:



Now the integration is set up to fetch data and display the Analytics statistics in the Neos user interface.

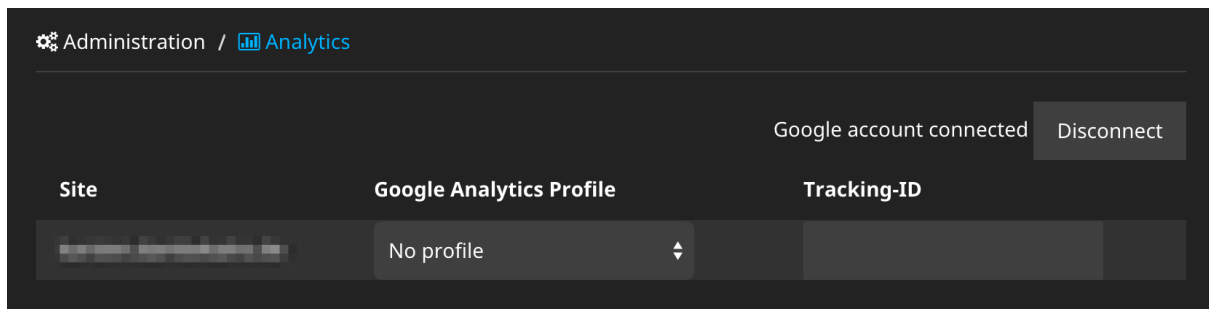
2.2 Assigning tracking IDs

To actually track visits with Google Analytics, some JavaScript with the tracking ID has to be included in the markup. You can do this manually in your template, but the easier way is to set up tracking IDs for each site in the Analytics integration.

This can be done in two ways. The first is via settings and allows for versioning the settings and easy deployments:

```
TYPO3:
Neos:
  GoogleAnalytics:
    sites:
      ## All site specific settings are indexed by site node name
      neossitename:
        trackingId: 'UA-XXXXX-YY'
        profileId: '12345678'
```

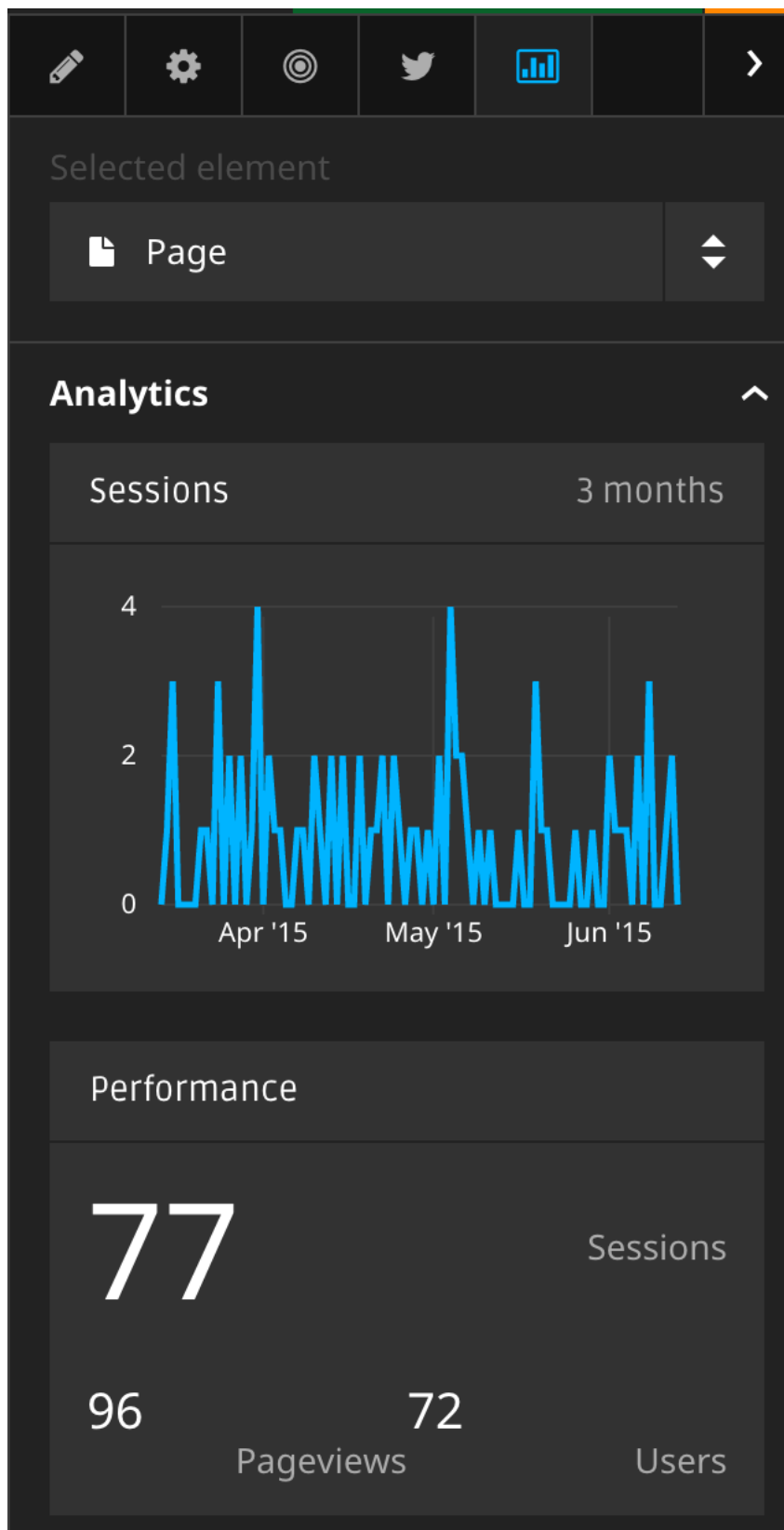
The second way is to use the Analytics module in the Neos user interface to select an Analytics property for each site (the `profileId` from the settings above) and configure a tracking ID.



CHAPTER 3

Usage

If Google has collected statistical data for your site, you will get the most important data shown in an inspector tab for documents:



3.1 Customizing metrics display

It is possible to adjust the displayed metrics through configuration. The package comes with preconfigured data, examine `NodeTypes.yaml` and `Settings.yaml`.