

Installing Captcha in Titan

Background

reCAPTCHA is a free service from Google that helps protect websites from spam and abuse. A “CAPTCHA” is a turing test to tell human and bots apart. It is easy for humans to solve, but hard for “bots” and other malicious software to figure out. By adding reCAPTCHA to a site, you can block automated software while helping your welcome users to enter with ease.

-Google documentation

What is the difference between reCAPTCHA v2 and v3?

ReCAPTCHA v2 requires the user to click the “I’m not a robot” checkbox and can serve the user an image recognition challenge. ReCAPTCHA v3 runs in the background and generates a score based on a user’s behavior. The higher the score, the more likely the user is human

Billing

Google requires that a billing account be established in order to get a pair of ReCaptcha keys. This should be done by the client so that they own and control the keys (and can pay for any charges that may be incurred).

Requirements

The following steps require that the person creating the ReCAPTCHA keys have a valid Google Account, preferable one tied to the client and **not a personal account**.

Installation Instructions

Get reCAPTCHA Keys

1. Browse to <https://www.google.com/recaptcha/admin> and sign-in to your Google account
2. Click the (+) Plus button to create a new key-set. You might also be prompted to register an Enterprise key-set. Do so if prompted.
3. Enter a friendly name in the LABEL box (e.g. your company name)

Label ⓘ

Public Site

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4. Select the reCaptcha type. At the time of this documenting, we have noticed v2 is more robust for bots hitting forms. If you are unsure what type you need, get details here: developers.google.com/recaptcha/docs/versions
 1. reCAPTCHA v2 relies on visible challenges like checkboxes or puzzles to verify users.
 2. reCAPTCHA v3 operates in the background, assigning a risk score to user interactions without requiring explicit action.

reCAPTCHA type ⓘ

- ☐ Score based (v3) Verify requests with a score
- ☒ Challenge (v2) Verify requests with a challenge
- ☒ "I'm not a robot" Checkbox Validate requests with the "I'm not a robot" checkbox
- ☐ Invisible reCAPTCHA badge Validate requests in the background

5. Under “Domains” enter the domains for which the key can be used. Your registration is restricted to the domains you enter here, plus any subdomains. In other words, a registration for example.com also registers subdomain.example.com. A valid domain requires a host and must not include any path, port, query or fragment. For each site, enter the domain name both with and without the "www" part.

Domains ⓘ

+ yourwebsite.com

6. For Enterprise keys, you may be prompted to enter a Google Cloud Platform Project Name. Do so if prompted.

Google reCAPTCHA

Google Cloud Platform

Project Name*

My Project 2255

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It doesn't look like you've used Google Cloud before. We'll create a Google Cloud Platform (GCP) project for you at no cost. We've made some changes to our platform. [Learn more about legacy keys.](#)

If you have used Google Cloud before, try [logging in](#) to a different Google account.

- ☐ I agree to the [Google Cloud Terms of Service](#), and acknowledge that it will govern my use of reCAPTCHA.
Further, I agree that all of my use of reCAPTCHA will be as part of my business, trade, craft, or profession and not for personal or consumer use.

^ GOOGLE CLOUD PLATFORM

CANCEL

SUBMIT

7. Read and agree to the terms of service.
8. Receive alerts to your email if your integration is thought to be wrong or an increase of suspicious traffic is suspected.
9. Click Submit

10. You will see the "Success" dialogue below, followed by your Site Key and Secret Key. Please take a copy of these keys and save them on your computer for later use.



Success - you're all set up!

- ✓ Manage settings in the Google Cloud Project
- ✓ Up to 10,000 assessments/month at no cost

Visit the [Google Cloud Platform project](#) hosting your reCAPTCHA keys to enable advanced features.

Use this site key in the HTML code your site serves to users. [See client side integration](#)

 **COPY SITE KEY**

6LcLAQE...frrVCA-Rvt

Use this secret key for communication between your site and reCAPTCHA. [See server side integration](#)

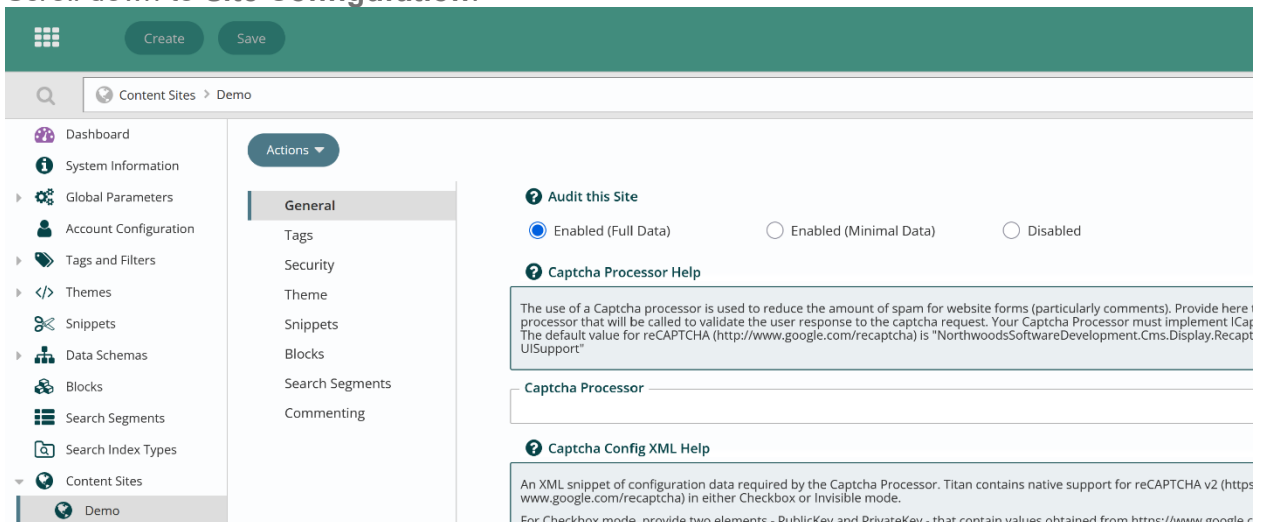
 **COPY SECRET KEY**

6LcLA...psDmMRG6XD

11. Proceed to the next set of steps to install the keys into Titan CMS.

Installing the Keys Into Titan CMS

1. Go to the Admin Dashboard in the Titan Workstation
2. Click on a **Content Site** -> {site name} -> **General**
3. Scroll down to **Site Configuration**.



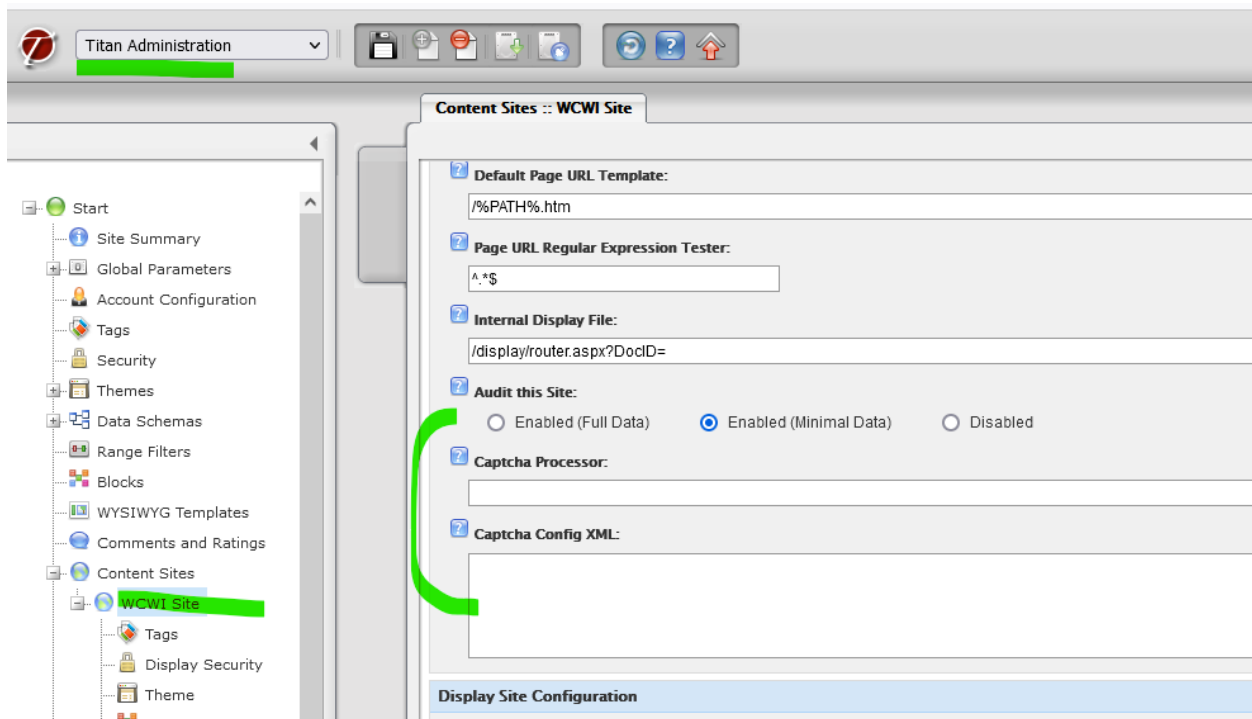
The screenshot shows the Titan CMS Admin Dashboard. The top navigation bar includes 'Create' and 'Save' buttons. The left sidebar lists various system settings, with 'Content Sites' expanded to show the 'Demo' site. The main content area displays the 'General' configuration for the 'Demo' site. Under 'Site Configuration', the 'Captcha Processor' is set to 'Enabled (Full Data)'. Below this, there are sections for 'Captcha Processor Help' and 'Captcha Config XML Help', both providing instructions on how to use the reCAPTCHA service.

4. Under **Captcha Processor**, enter:
NorthwoodsSoftwareDevelopment.Cms.Display.RecaptchaSupport, UISupport

5. Under **Captcha Config XML**

- If you are using Invisible Mode enter:
<InvisiblePublicKey>{enter SITE KEY here}</InvisiblePublicKey>
<InvisiblePrivateKey>{enter SECRET KEY here}</InvisiblePrivateKey>
- If you are using Checkbox Mode enter:
<PublicKey>{enter SITE KEY here}</PublicKey>
<PrivateKey>{enter SECRET KEY here}</PrivateKey>

For Titan CMS V6 those fields will look like this:



Enable Captcha on Forms

1. Open up a page that has a Forms Editor block you would like to have a Captcha on
2. Edit the Forms Editor block
3. Check the "Use Captcha" box
4. Click Done on the Forms Editor dialog box
5. Publish the page