

Tools for blocking spam and hackers

Florida Drupal Camp 2022

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Tools for blocking spam and hackers

Today's agenda

Types of attacks

Best practices

Self-contained tools

Commercial services

Opportunities to contribute



Tools for blocking spam and hackers

Types of attacks

- Distributed denial of service
- Fake content
- Hijacking
- Ransom



Tools for blocking spam and hackers

Best practices for Drupal

- Security updates
- File permissions
- Error display
- Caching
- CDN
- Access control
- Monitoring




Tools for blocking spam and hackers

Self-contained tools

CAPTCHA

This question is for testing whether you are a human visitor and to prevent automated spam submissions.



What code is in the image?: *

Enter the characters (without spaces) shown in the image.



Tools for blocking spam and hackers

Commercial services

- reCAPTCHA
- Akismet
- CleanTalk
- Drupal Steward
- CloudFlare

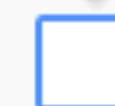


reCAPTCHA

Select all soup below. A sample image is on the right.



Verify



I'm not a robot



reCAPTCHA
Privacy - Terms

Browser: dcf12022.ddev.site

Home Manage Shortcuts admin

Content Structure Appearance Extend Configuration People Reports Help

Home > Administration > Configuration > Content authoring

Akismet content moderation ☆

Forms Settings

All listed forms below are protected by Akismet, unless users are able to [bypass Akismet's protection](#). You can [add a form](#) to protect, configure already protected forms, or remove the protection.

[+ Add Form](#)

Form	Protection mode	Operations
There are no akismet form configuration entities yet.		

Akismet Form*

- ✓ Select a form to configure...
- Node: Article form
- Node: Basic page form
- Comment: Default comments form
- Contact: Site-wide contact form
- Contact: User contact form
- User: User password request form
- User: User profile form
- User: User registration form

Browser: akismet.com

6 MONTHS 1 YEAR ALL TIME

SPAM	HAM	MISSED SPAM	FALSE POSITIVES	ACCURACY RATE
0	0	0	0	—

DATE	SPAM	HAM	MISSED SPAM	FALSE POSITIVES	TOTAL API CALLS
February 2022	0	0	0	0	0
January 2022	0	0	0	0	0
December 2021	0	0	0	0	0

Antispam by Cleantalk

> [Check spam comments](#)

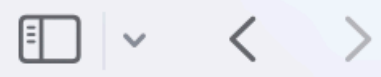
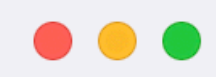
Check existing spam comments

> [Check spam users](#)

Check existing spam users

> [Settings](#)

Configure module settings



dcfl2022.ddev.site



Back to site

Manage

Shortcuts

admin

Content

Structure

Appearance

Extend

Configuration

People

Reports

Help

Comments

Check comments

Enabling this option will allow you to check all comments on your website.

Enable automoderation

Automatically put suspicious comments which may not be 100% spam to manual approvement and block obvious spam comments.
Note: If disabled, all suspicious comments will be automatically blocked!

Minimum approved comments per registered user

Moderate messages of guests and registered users who have approved messages less than this value.

Search

Check search form

Enabling this option will allow you to check search form on your website.

Add noindex for search form

Add html meta-tag robots-noindex to search form.

Browser address bar: dcf12022.ddev.site

Navigation: Back to site, Manage, Shortcuts, admin

Menu: Content, Structure, Appearance, Extend, Configuration, People, Reports, Help

Administrator
Anonymous user
Authenticated user
Content editor

Roles which bypass spam test. You can select multiple roles.

- Check registrations
Enabling this option will allow you to check all registrations on your website.
- Check webforms
Enabling this option will allow you to check all webforms on your website.
- Check contact forms
Enabling this option will allow you to check all contact forms on your website.
- Check forum topics
Enabling this option will allow you to check all forum topics on your website.
- Check custom forms
Enabling this option will allow you to check all forms on your website.
Note: May cause conflicts!
- Check external forms
Turn this option on to protect forms on your website that send data to third-part servers (like MailChimp).

Set cookies
Turn this option off to deny plugin generates any cookies on website front-end. This option is helpful if you use Varnish. But most of contact forms will not be protected if the option is turned off!
Note: We strongly recommend you to enable this otherwise it could cause false positives spam detection.

Use alternative mechanism for cookies
Doesn't use cookie or PHP sessions. Collect data for all types of bots.

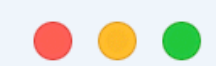
SpamFireWall
This option allows to filter spam bots before they access website. Also reduces CPU usage on hosting server and accelerates pages load time.

Anti-Crawler
Plugin shows SpamFireWall stop page for any bot, except allowed bots (Google, Yahoo and etc). Anti-Crawler includes blocking bots by the User-Agent. Use Personal lists in the Dashboard to filter specific User-Agents.

Anti-Flood
Shows the SpamFireWall page for bots trying to crawl your site. Look at the page limit setting below.

Tell others about CleanTalk
Checking this box places a small link under the comment form that lets others know what anti-spam tool protects your site.

Save configuration



SpamFireWall is activated for your IP 10.10.10.10

Real IP: 172.18.0.1

Test IP: 10.10.10.10

This is the testing page for SpamFireWall

Please click the link below to pass the protection,

https://dcfl2022.ddev.site/?sfw_test_ip=10.10.10.10

Or you will be automatically redirected to the requested page after 3 seconds.



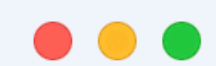
0

The page was generated at Sun, 20 Feb 2022 14:12:42

Browser time Sun, 20 Feb 2022 14:12:42 GMT

11416,

[This is the testing page for SpamFireWall](#)



cleantalk.org



Add website

Home Log Tools Bonuses 22 Support

Services



darren@oh.name

Anti-Spam Security new SSL Certificates Monitoring

Feature request License is valid till Jun 10, 2025

Service #1087958

Website Anti-Spam protection
Created Feb, 19 2022.
Drupal9 9.1.18.

Show Access Key

Settings

Site URL:

Have multiple sites? Add them by one click!

dcfl2022.ddev.site

Service name (optional):

"Service name" - this field does not affect the service or license. It is necessary for your convenience to find the desired site in the list. You can add any description for this URL or leave it empty. For example: Corporate website, Corporate Blog, Online Store and etc.

CMS: Drupal 9

API response language:

English - English

Language is used to give a website visitor hints how to resolve Anti-Spam protection issue if any. If option in Auto mode, the response language will be selected automatically from the list.

Send a copy of Anti-Spam log to my email

For each contact form message marked as Not spam in the [Anti-Spam log](#) you will have a copy of the record to darren@oh.name.

Don't save approved requests

Choose website

dcfl2022.ddev.site

[Trends](#)

[Log](#)

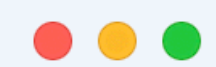
[Personal Lists](#)

[Templates](#)

[Setup manual](#)

[Change the Access key](#)

[Delete the service](#)



cleantalk.org



Don't save approved requests

Please, enable this option if your visitors don't allow to store their data. By choosing this option all emails, nicknames and messages will be deleted from approved registrations, comments, orders and contact messages.

Grant control

Addon [?]

Grant access to other account to see statistics, logs, read/write options and receive Weekly spam reports.

Enable messages filtration using stop-words

If a comment contains a word from the [Stop list](#) and the sender has a hight spam activity, this comment will be banned automatically. If there is no spam activity, this comment will be sent for manual moderation. This option can be used for the filtration of rude or offensive comments.

Message for forbidden visitors

If a visitor gets a forbidden message, the plugin will show the message from the field above. Message is limited with 1000 characters (include HTML tags). Allowed HTML tags: <a>, <p>,
 and
. For example: "Your registration has been denied, please contact the site administrator at darren@oh.name."

Features that also available with Extra Package

Save

[Go to Dashboard](#)

Personal Lists

Blacklists, Whitelists, FireWall per country.

Using this interface you can manage your personal black/white lists, view records, change status of record or delete it from the list. Changes will be applied within 2-3 minutes.

You can use the personal list API. Access through User Token. User Token can be obtained on the profile page. Personal Lists API manual.

- Anti-Spam
- SpamFireWall
- Security FireWall

ChangeLog

Anti-Spam list is available on the **Anti-Spam plugin** and allows you to block comments/messages by parameters that you want to use IP/Email and etc. [Anti-Spam personal list guide](#).

Display records for

#1087958 dcf12022.ddev.site All records type Status Custom dates Search Show

Add new filter

Stop word Stop-Words Manual
320 items selected Add selected

You can add multiple entries separated by commas.

-approved-, (ADV), [ADV], 100% guaranteed, 100% satisfied, 18 years old, 18+, 1nsurance, 800 number, 900 number, a d u l t, adult web, adults only, ADV:, ADV-ADULT, alertz, antenna booster, are you single, arthritis, asset search, attractive singles, baby boomers, bad credit, baldness, bankruptcy, be your own boss, task bar, being your own boss, big money,

CleanTalk's common stop-list

Logs are kept up to 45 days

Anti-Spam Log for 45 Days

Records found 328. Export to CSV

How to use blocking comments by countries
How to use Stop Words

Records of spam attacks and legitimate requests.

Log is being updated every 1 hour.

If you see a filtration mistake in your log mark it as Spam/Not spam. Be cautious - IP/email will be added to your Black & White lists and will be always blocked.

Today Yesterday Last week Feb 11, 2022 - Feb 18, 2022 Denied All websites All countries IP, Email, Nickname

More filters Show

Group records by IP Show all records

Page 1 of 4. Items per page: 100 1 2 3 4

Date	Status	Author, Email, IP
<input type="checkbox"/> Bulk actions <input type="button" value="Apply"/> <input type="button" value="Select all approved records"/>		
<input type="checkbox"/> Feb 18, 2022 14:38:34 ariglobal.com (ariglobal.com)	Contact form data denied Contain links: - Spam attacks: 1 453 IP: 1 445 E-mail: 8	lagerytomign hfhfsaefefs@fsmodshub.com UA 178.150.102.252 Page URL : https://ariglobal.com/node/41/done/ Message: google 81318433728 Bitcoin briefly make grow d ormie \$45,111 active Monday - the degraded since latish Se ptember - unhappy atomic number 49 t... Details Not spam Delete To Personal black & white lists
<input type="checkbox"/> Feb 18, 2022 14:12:34	Contact form data denied	Sarahnup tiner@molyka.store NL 185.23.108.17

Tools for blocking spam and hackers

Commercial services: Content delivery network firewalls



Tools for blocking spam and hackers

Opportunities to contribute

- Stop Forum Spam Client
- Project Honey Pot
- http:BL
- Abuse
- Statistical Spam Filter

