

Email bounce handling

New in [Tiki25](#). Leveraging [rambomst/php-bounce-handler](#) and [Email filters](#), handle email bounces in Tiki: add system tracker to hold bounce information, add bounce handler lib, add sieve filters to check for bounces and add to bounce list in [system trackers](#).

Initial commit: https://gitlab.com/tikiwiki/tiki/-/merge_requests/1879

What is bounce

A bounced email, or bounce, is an email message that gets rejected by a mail server. When an email bounces, it has for some reason not reached the intended destination.

A bounced email can be either a hard bounce or a soft bounce. A hard bounce means that the email address is permanently unavailable and should not receive electronic mail. A soft bounce is temporary, and may be caused by server outages or a full inbox. Most email service providers will designate soft bounces as a hard bounce after three failed sends.

How to configure

Step 1: Configure system tracker holding bounce information

Go to [System-Trackers](#), access it from /tiki-admin.php?page=trackers and check **Email bounces tracker** then:

- Choose which tracker will store the bounced emails and statistics.
- Choose an email field that stores the email address that bounced.
- Choose an email folder field that stores the bounced messages read by Tiki.
- Choose a numeric field that stores the total number of soft bounces occurred for an email address.
- Choose a numeric field that stores the total number of hard bounces occurred for an email address.
- Choose a checkbox field that stores the blacklist state for an email address - whether Tiki should skip sending emails to that email address or not.

Preference Filters ▾ Access ▾ Content ▾ System ▾ Tools ▾

Search preferences... 🔍

Admin Dashboard
Global Setup
Main Features
Wiki
Editing and Plugins
WYSIWYG
File Galleries
Blogs
Calendar
Comments
Articles
Forums
Trackers
Miscellaneous

Email bounces tracker

Choose tracker: Email bounces

Mailbox field: email

Email folder field: emailfolder

Total soft bounces field: soft bounces

Total hard bounces field: hard bounces

Blacklisted field: blacklisted

Apply

click to enlarge

Create a tracker with these fields before

Log out ▾

Tracker Fields: Email bounces ⓘ

+ Add Field Import Fields Properties Fields Trackers Items

ID	Name	Type	List	Title	Search	Public	Mandatory	Actions
61	name emailbounceName ⓘ	Text Field	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
60	emailfolder emailbounceMailbox ⓘ	Email Folder	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
62	email emailbounceEmail ⓘ	Email	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
63	soft bounces emailbounceSoftBounces ⓘ	Numeric	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
64	hard bounces emailbounceHardBounces ⓘ	Numeric	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
65	blacklisted emailbounceBlacklisted ⓘ	Checkbox	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Save All X ▾ Go

click to enlarge

Step 2: Configure the filter

Go to [Webmail](#), Click on **filters** in settings section then click on **add filter** and set other details of filter: name, priority and test. In the conditions & actions section, Add **is bounce** as a condition and select **type** of condition soft, is not soft, hard, not hard. Then click on add action and pick **add to bounce list**

Filter Name:

Priority:

Test:

Conditions & Actions

Filters must have at least one action and one condition

Conditions

Add Condition

Is Bounce

Soft

Delete

Is Bounce

Hard

Delete

Actions

Add Action

Add to bounce list

Delete

click to enlarge

Step 3: Set up cron job

Finally add **php console.php sieve:filters** command to Tiki Scheduler or a cron job

When these are configured and condition is met (using <https://github.com/rambomst/PHP-Bounce-Handler/>) item is created/updated in the bounce tracker, updating soft/hard bounce counts, the email added to the tracker email field (if configured)