

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 a 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 toÂ 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

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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

Tracker Fields: Email bounces ?

		+ Add Field		↑ Import Fields		🔧 Properties	📁 Fields	📊 Trackers	☰ Items
<input type="checkbox"/>	ID	Name	Type	List	Title	Search	Public	Mandatory	Actions
<input type="checkbox"/>	61	name emailbounceName	Text Field	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	✗
<input 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 type="checkbox"/>	62	email emailbounceEmail	Email	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	✗
<input type="checkbox"/>	63	soft bounces emailbounceSoftBounces	Numeric	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	✗
<input type="checkbox"/>	64	hard bouces emailbounceHardBouces	Numeric	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	✗
<input type="checkbox"/>	65	blacklisted emailbounceBlacklisted	Checkbox	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	✗

Save All × ▾ 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:

Your filter name

Priority:

0

Test:

ALLOF (AND) × ▾

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 (configured)