

Scheduler

Scheduler for Tiki (cron jobs)

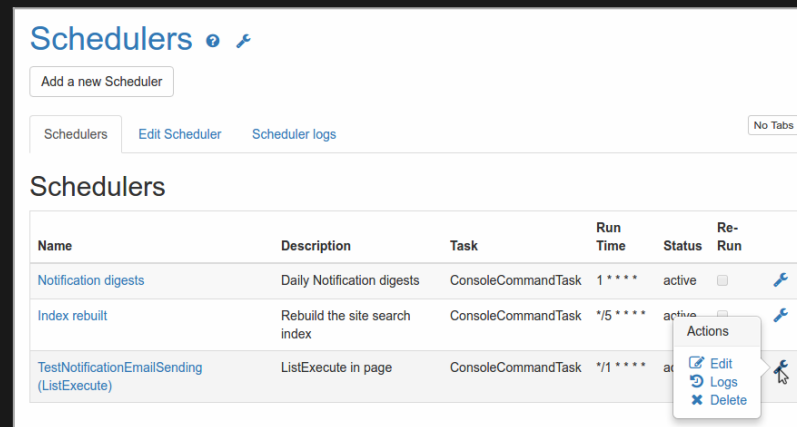
An internal scheduler was added in [Tiki17](#), so that only one cron job needs to be defined in the system crontab, and all actions to be run a scheduled times can then be defined within Tiki UI.

1.1. HOW TO FIND IT

In the quick admin module, and in the main application menu under "Settings" section ("https://example.org/tiki-admin_schedulers.php").

1.2. OVERVIEW

You can list scheduled tasks



The screenshot shows the 'Schedulers' page in the Tiki admin interface. At the top, there's a header 'Schedulers' with a plus icon and a pencil icon. Below it is a button 'Add a new Scheduler'. There are three tabs: 'Schedulers' (selected), 'Edit Scheduler', and 'Scheduler logs'. A 'No Tabs' button is also present. The main content area is titled 'Schedulers' and contains a table with the following columns: Name, Description, Task, Run Time, Status, and Re-Run. The table lists three tasks: 'Notification digests', 'Index rebuilt', and 'TestNotificationEmailSending (ListExecute)'. The 'TestNotificationEmailSending (ListExecute)' row is highlighted, and a context menu is open over it, showing options: 'Edit', 'Logs', and 'Delete'.

Name	Description	Task	Run Time	Status	Re-Run
Notification digests	Daily Notification digests	ConsoleCommandTask	1 * * * *	active	<input type="checkbox"/> Edit
Index rebuilt	Rebuild the site search index	ConsoleCommandTask	* / 5 * * * *	active	<input type="checkbox"/> Edit
TestNotificationEmailSending (ListExecute)	ListExecute in page	ConsoleCommandTask	* / 1 * * * *	active	<input type="checkbox"/> Edit Logs Delete

Click to expand

You can edit one scheduled task

Add a new Scheduler

Schedulers Edit Scheduler Scheduler logs No Tabs

Edit Scheduler TestNotificationEmailSending (ListExecute)

Information

Use CRON format to enter the values in "Run Time":
Minute, Hour, Day of Month, Month, Day of Week
Eg. every 5 minutes: */5 * * * *

Name TestNotificationEmailSending (ListExecute)

Description ListExecute in page

Task ConsoleCommand

Parameters list:execute HomepageforStaffUsers TestNotificationEmailSer

Run Time */1 * * * *

Status Active

Run if missed ☐

Save

Click to expand

Syntax for the scheduled run time is similar to the syntax used in system crontabs in GNU/Linux and equivalent operating systems:

Use CRON format to enter the values in "Run Time":
Minute, Hour, Day of Month, Month, Day of Week
Eg. every 5 minutes: */5 * * * *

See <https://en.wikipedia.org/wiki/Cron> for details on Cron formats. For example:

* * * * * | | | | | | | | | | +---- Day of the Week (range: 1-7, 1 = Monday) | | | +----- Month of the Year (range: 1-12) | | +-----
Day of the Month (range: 1-31) | +----- Hour (range: 0-23) +----- Minute (range: 0-59)

TO SET MASTER CRON JOB

MANUALLY

The master cron job must be run quite frequently to check if Tiki Scheduler must launch another operation.

Here are some examples (adjust to your server path and use case)

To run every minute

```
* * * * * php /var/www/html/console.php scheduler:run
```

To run every 30 minutes

```
*/30 * * * * php /var/www/html/console.php scheduler:run
```

 Process Ownership

NOTE: If the tasks set up in your scheduler create cache files (which they often will) then you need to run this cron job as your webserver user, e.g. `www-data`, `apache`, `nginx` etc

VIA TIKI MANAGER

- [Manager](#) See instance:setup-scheduler-cron

SAMPLES

REBUILD THE UNIFIED-INDEX WITH LOG

Using the Tiki Scheduler and a [Console](#) command, once you have set your master Cron Job (see above) you can automatically rebuild your [Unified Index](#) to assure your Tiki freshness. In this sample we also generate logs so we can investigate in case there were an issue.

[Schedulers](#) [Edit scheduler *Rebuild index*](#) [Scheduler logs](#)

i Information

Use CRON format to enter the values in "Run Time":
Minute, Hour, Day of Month, Month, Day of Week
Eg. every 5 minutes: */5 * * * *

Name *

Rebuild index

Description

Rebuild index once a day at 6, create log

Task *

ConsoleCommand

Console command *

index:rebuild --log

Run Time *

0 */6 * * *

Status

Active

Run if missed

☐

Run only once

☐

Save

RELATED

- [Cron](#)
- [Cron Job to Rebuild Search Index](#)
- [PluginListExecute](#)

- [Console](#)
- Profile: [Scheduler_presets_20](#)
- Original feature request: [cron job handing via Tiki](#)

alias

- [Scheduler Management](#)