

Scheduler

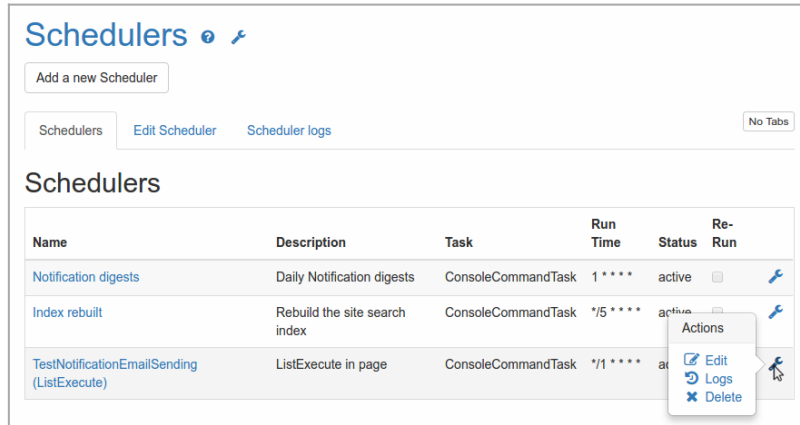
Scheduler for Tiki (cron jobs) An internal scheduler was added in [Tiki17](#), so that only one cron job needs to be defined in the system crontab, and all actions to be run a scheduled times can then be defined within Tiki UI.

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

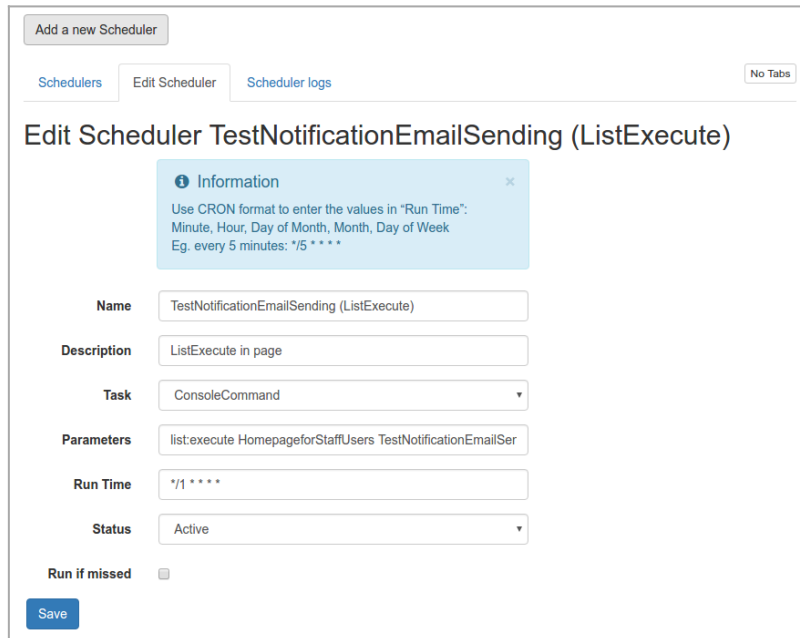
You can list scheduled tasks



The screenshot shows the 'Schedulers' page in Tiki. At the top, there is a button 'Add a new Scheduler' and a 'No Tabs' indicator. Below this, there are tabs for 'Schedulers', 'Edit Scheduler', and 'Scheduler logs'. The main content is a table titled 'Schedulers' with the following columns: Name, Description, Task, Run Time, Status, and Re-Run. The table contains three entries: 'Notification digests' (Daily Notification digests, ConsoleCommandTask, 1 * * * *, active), 'Index rebuilt' (Rebuild the site search index, ConsoleCommandTask, */5 * * * *, active), and 'TestNotificationEmailSending (ListExecute)' (ListExecute in page, ConsoleCommandTask, */1 * * * *, active). An 'Actions' menu is open over the third entry, showing options for 'Edit', 'Logs', and 'Delete'.

Click to expand

You can edit one scheduled task



The screenshot shows the 'Edit Scheduler' page for 'TestNotificationEmailSending (ListExecute)'. At the top, there is a button 'Add a new Scheduler' and a 'No Tabs' indicator. Below this, there are tabs for 'Schedulers', 'Edit Scheduler', and 'Scheduler logs'. The main content is a form with the following fields: 'Name' (TestNotificationEmailSending (ListExecute)), 'Description' (ListExecute in page), 'Task' (ConsoleCommand), 'Parameters' (list.execute HomepageforStaffUsers TestNotificationEmailSer), 'Run Time' (*/1 * * * *), 'Status' (Active), and 'Run if missed' (checkbox). A 'Save' button is at the bottom. An 'Information' box is also visible, stating: 'Use CRON format to enter the values in "Run Time": Minute, Hour, Day of Month, Month, Day of Week Eg. every 5 minutes: */5 * * * *'.

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
```

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 *	<input type="text" value="Rebuild index"/>
Description	<input type="text" value="Rebuild index once a day at 6, create log"/>
Task *	<input type="text" value="ConsoleCommand"/>
Console command *	<input type="text" value="index:rebuild --log"/>
Run Time *	<input type="text" value="0 */6 ****"/>
Status	<input type="text" value="Active"/>
Run if missed	<input type="checkbox"/>
Run only once	<input type="checkbox"/>

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](#)