

Scheduler

Scheduler for Tiki (cron jobs)

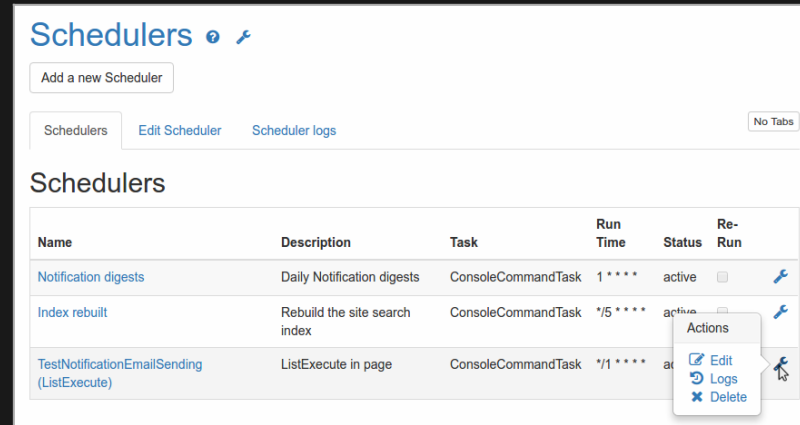
An internal scheduler was added in [Tiki17](#), so that only one cron job needs to be defined in the system crontab, and all actions to be run at scheduled times can then be defined within Tiki UI.

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"](https://example.org/tiki-admin_schedulers.php)).

1.2. Overview

You can list scheduled tasks

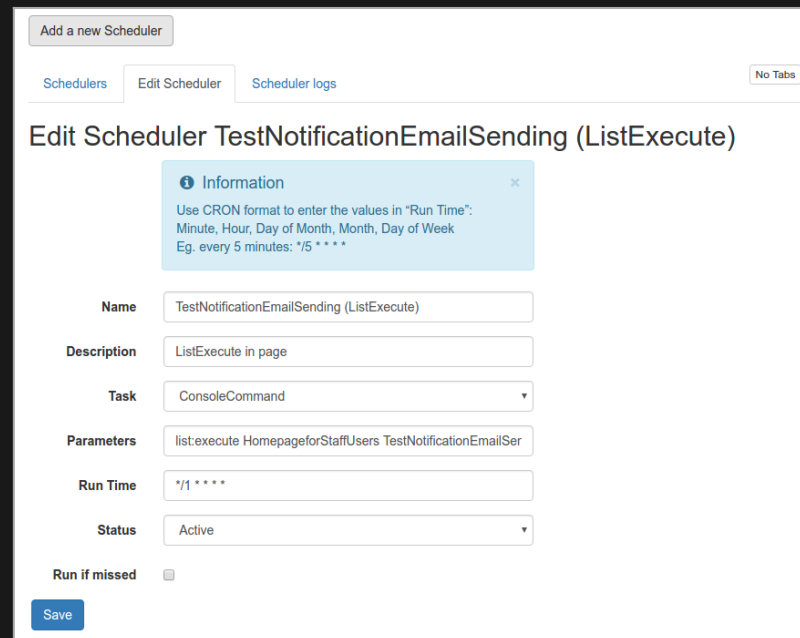


The screenshot shows the 'Schedulers' page with a table of tasks. The table has columns for Name, Description, Task, Run Time, Status, and Re-Run. The tasks listed are 'Notification digests', 'Index rebuilt', and 'TestNotificationEmailSending (ListExecute)'. An 'Actions' menu is open over the 'TestNotificationEmailSending' task, showing options for Edit, Logs, and Delete.

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

Click to expand

You can edit one scheduled task



The screenshot shows the 'Edit Scheduler' page for 'TestNotificationEmailSending (ListExecute)'. It includes an information box about CRON format, and form fields for Name, Description, Task, Parameters, Run Time, Status, and Run if missed. A 'Save' button is at the bottom.

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 TikiÂ Manager

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

Samples

REBUILD THE UNIFIED-INDEX WITHÂ 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.

The screenshot shows the 'Edit scheduler' interface for a scheduler named 'Rebuild index'. The interface includes a navigation bar with 'Schedulers', 'Edit scheduler Rebuild index', and 'Scheduler logs'. An information box explains the CRON format for the 'Run Time' field. The form fields are as follows:

Field	Value
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	<input type="checkbox"/>
Run only once	<input type="checkbox"/>

A blue 'Save' button is located at the bottom right of the form.

Related

- [Cron](#)
- [Cron Job to Rebuild Search Index](#)
- [PluginListExecute](#)
- [Console](#)
- Profile: [Scheduler_presets_20](#)
- Original feature request: [cron job handing via Tiki](#)

alias

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- [Scheduler Management](#)