

# 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

Schedulers

Add a new Scheduler

SchedulersEdit SchedulerScheduler logs

No Tabs

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

Click to expand

You can edit one scheduled task

Add a new Scheduler

Schedulers
Edit Scheduler
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## 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
```

## 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

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

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- [Scheduler Management](#)