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

Click to expand

You can edit one scheduled task

Add a new Scheduler

Schedulers Edit Scheduler Scheduler logs

No Tabs

Edit Scheduler TestNotificationEmailSending (ListExecute)

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	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.

ⓘ **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

Send notification by e-mail

in the event of job execution failure, it is possible to send an email to the admin to inform them of the failure. the reasons for the failure will be visible in the logs. if the process subsequently succeeds, another email can be sent to keep them informed.

To avoid the email being sent to all admins, you can specify the email addresses that will receive the notifications in the scheduler_users_to_notify_on_healed and scheduler_users_to_notify_on_stalled preferences.
Note: this will only work if both fields are filled in. Otherwise, all admins will receive an email.

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