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

You can edit one scheduled task

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 * * *

<table>
<thead>
<tr>
<th>Name *</th>
<th>Rebuild index</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>Rebuild index once a day at 6, create log</td>
</tr>
<tr>
<td>Task *</td>
<td>ConsoleCommand</td>
</tr>
<tr>
<td>Console command *</td>
<td>indexrebuild --log</td>
</tr>
<tr>
<td>Run Time *</td>
<td>0 */6 * * *</td>
</tr>
<tr>
<td>Status</td>
<td>Active</td>
</tr>
<tr>
<td>Run if missed</td>
<td>False</td>
</tr>
<tr>
<td>Run only once</td>
<td>False</td>
</tr>
</tbody>
</table>

![Scheduler Management](image)

**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