

# Cron Job to Rebuild Search Index

You can rebuild index by visiting [example.com/tiki-admin.php?page=search&rebuild=now](http://example.com/tiki-admin.php?page=search&rebuild=now)

Since [Tiki9](#), if you have a large site and do not use MySQL Full Text search, you should set up a [Cron](#) job to regularly rebuild the index.

How to do it varies from server to server, but here is an example. For a fuller description of the commands themselves, please see [Unified Index - from the command line](#)

Add this line for a daily rebuild in Tiki11 and up

```
0 0 * * * cd /var/www/html/tiki; php console.php index:rebuild >/dev/null 2>&1
```

To set RAM to 4 GB, increase max execution time, force an initial index cleanup and log

```
0 0 * * * cd /var/www/html/tiki; php -dmemory_limit=4G -dmax_execution_time=300 console.php index:rebuild --force --log >/dev/null 2>&1
```

- The last part "`>/dev/null 2>&1`" indicates to discard the output from the command (standard output and any errors messages produced).
- The first 5 characters (separated by spaces) of the command set the time and frequency that the cron job will run. The characters refer to (in order): minute, hour, day, month, and weekday. So the above (`0 0 * * *`) will run at midnight (0 minutes and 0 hour) every night.

## WORKS IN SHELL BUT NOT AS A CRON JOB

The environment for a cron job (e.g., the `PATH` variable) may not be the same as in shell (using SSL can cause this). That means that the above scripts may work in shell but not as a cron job. To solve this, set the cron job to run a shell script that sets the `PATH` variable before running the rebuild command.

To find out what the `PATH` variable should be, use the `env` command in shell on the server where the Tiki site is that you're rebuilding the index for.

Let's say the shell script is called `cron.sh`. The cron job would be as follows:

Cron job to run shell script

```
0 0 * * * sh cron.sh >/dev/null 2>&1
```

The shell script `cron.sh` would consist of the following:

`cron.sh`

`#!/bin/bash #this is the exact same setting as in the shell environment`

`PATH=/home/useraccount/perl5/bin:/usr/local/bin:/bin:/usr/bin:/usr/local/sbin:/usr/sbin:/sbin:/home/useraccount/bin #this is the actual command to rebuild the index php -dmemory_limit=4G -dmax_execution_time=300 /home/useraccount/public_html/console.php index:rebuild`

Related:

- [Batch](#)
- [Cron](#)
- [Search](#)
- [Search and List from Unified Index](#)
- [Scheduler](#)

alias

- [Cron Job for Search](#)