tiki-check.php
Overview
tiki-check.php is a standalone script for server environment settings diagnostics before installing Tiki, or for an existing Tiki installation. While it was designed for Tiki, and it's bundled in Tiki, it is very useful for any PHP app, as it checks over 100 different things and provides contextual feedback.  Started in 2012, this script has been refined over the years and it copes with all kinds of weird edge cases.
Use cases
<ul> <li>Someone else is setting up the server and you want to avoid the back &amp; forth of tweaking the server configurations. Just send the file and they can set everything.</li> <li>You want to make sure server is adequate before subscribing to a provider.</li> <li>You want to check all is OK with a running Tiki</li> </ul>

#### How to use

- 1. Download tiki-check.php from gitlab.com
- 2. Upload to the web accessible directory of your server (ex.: /www/html/tiki-check.php)
- 3. Visit **tiki-check.php** with your browser
- 4. Since this file discloses server info, it becomes password protected once you install Tiki. If you end up not installing Tiki, you should remove the file.

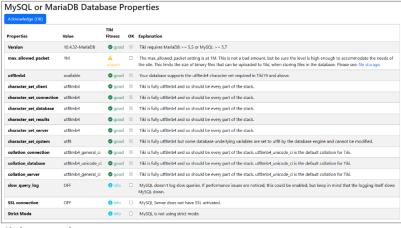
#### **Details**

The standalone version will work with any version of Tiki, or even without Tiki.

#### **Screenshots**



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## **Section descriptions**

Setting	Description			
Fieldset or section				
MySQL or MariaDB Database Properties	Is MySQL or MariaDB suitable for Tiki?			
MySQL crashed Tables	Is MySQL running smoothly?			
Test sending e-mails	Can the system send emails?			
Server Information	Operating system, web server, etc.			
Server Properties	Available disk space			
PHP scripting language properties	With tips about how to configure			
Apache properties	With tips about how to configure			
PHP security properties	With tips about how to configure			

Setting	Description
MySQL Variable Information	Outputs information about MySQL's configuration
PHP Info	Outputs information about PHP's configuration (full list)

#### **OCR Status section**

Requirements	Version	Status	Message
Requirement: Tesseract package	Not Installed	<b>⊘</b> bad	Tesseract PHP package could not be found. Try installing through Packages.
Requirement: Tesseract languages		<b>▲</b> unsure	Not all languages installed. You may need to install additional languages for multilingual support.
Requirement: Tesseract binary	Not Found	<b>⊘</b> bad	Tesseract could not be found.
Requirement: Tesseract path		<b>⊘</b> bad	Your path preference is not configured. It may work now but will likely fail with cron. Specify an absolute path.
Requirement: Pdfimages binary		<b>⊘</b> bad	Could not find pdfimages. PDF files will not be processed.
Requirement: Pdfimages path		<b>⊘</b> bad	Your path preference is not configured. It may work now but will likely fail with cron. Specify an absolute path.
Requirement: Scheduler		<b>⊘</b> bad	Scheduler needs to have a console command of "ocr:all" set.
Requirement: PCRE		good	pcre.backtrack_limit is good. For more detailed information please check doc.tiki.org/Server%20Check

Click to expand

This table provides a detailed status of the OCR-related requirements for your Tiki application. To ensure full functionality:

- 1. Install and configure **Tesseract** and **pdfimages**.
- 2. Set absolute paths for **Tesseract** and **pdfimages**.

The **PCRE backtrack\_limit** is a configuration settings that controls the maximum number of backtracks the regular expression engine will perform during regular expression pattern matching, per default set on **1,000,000(1 million)**.

This impact your Tiki:

- for text extraction from PDF, and images (with the tesseract ocr library).
- for filtering the user input in search engines.
- for data validation with different forms in the application.
- for routing to match a URL path against a regex pattern.
- ..

# **Icons** Good Will provide a smooth experience. Safe Recommended for a better experience. Ugly Not ideal but you'll likely be OK. If you notice issues, you should revisit. Risky Not need, perhaps it should be disabled. Bad Known to cause issues. Info This is typically for a setting that can be good in some cases, but bad in others. Other ways to get Tiki Check Part of Tiki download If you have a recent version of Tiki, just visit tiki-check.php

How to get tiki-check via shell access
wgetoutput-document=tiki-check.php https://gitlab.com/tikiwiki/tiki/-/raw/master/tiki-check.php?inline=false
If you can use the file, make sure permissions are OK. Too few or too many permissions can cause issues.

#### **Known issues**

Via the command line

If you enter incorrect DB-credentials, the script will fail with an ugly error message. We can't make this a nice error message, because we can't catch the exception, continue with the script and show the rest of the checks because we want to be PHP 4 compatible (and PHP 4 doesn't know exceptions which are the only way of error handling that PDO allows at connection time). So we fall back to the solution of setting the error\_reporting all the way up and showing the error in this ugly way.

### **Background information**

Tiki has been deployed in many scenarios over the years, and has a multitude of checks throughout the code (mostly in tiki-install.php and tiki-admin.php) to indicate to the admin if there is a problem with the server (ex.: memory\_limit too low)

They are typically in the admin panel next to the relevant feature/setting. This is useful but without a central checklist of all of them when deploying on a new server (especially a server which has never been configured for web hosting), there can be a lot of back & forth to tweak all the settings. You are also forced to install Tiki to see what could be problematic. Instead, in a single file upload (tiki-check.php), we should have a clear report on everything that should be tweaked.

This is useful for fresh installs or if you are moving a Tiki instance from one server to another. This will also help when people report bugs (you can copy-paste this info in the bug tracker).

Before making this, existing solutions were researched and nothing came close to this. Thus, as far as we know, as of 2013, this is the most complete such solution.

Future work
For additional information, see Server Check.
Related links
<ul> <li>phpSysInfo" is a "customizable PHP script that parses various files in /proc and displays them. It will display information about system facts like Uptime, CPU, Memory, SCSI, IDE, PCI, Ethernet, Floppy, and Video.</li> <li>Requirements</li> <li>Installation</li> </ul>
Alias names for this page: ServerCheck   Check   TikiCheck