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

- Someone else is setting up the server and you want to avoid the back & forth of tweaking the server configurations. Just send the file and they can set everything.
- You want to make sure server is adequate before subscribing to a provider.
- You want to check all is OK with a running Tiki

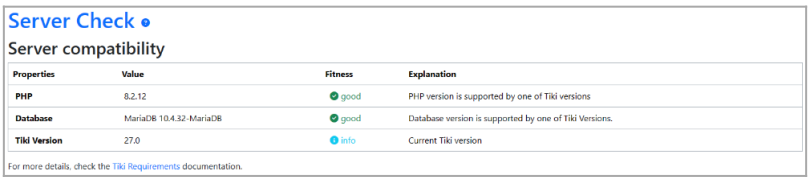
How to use

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.

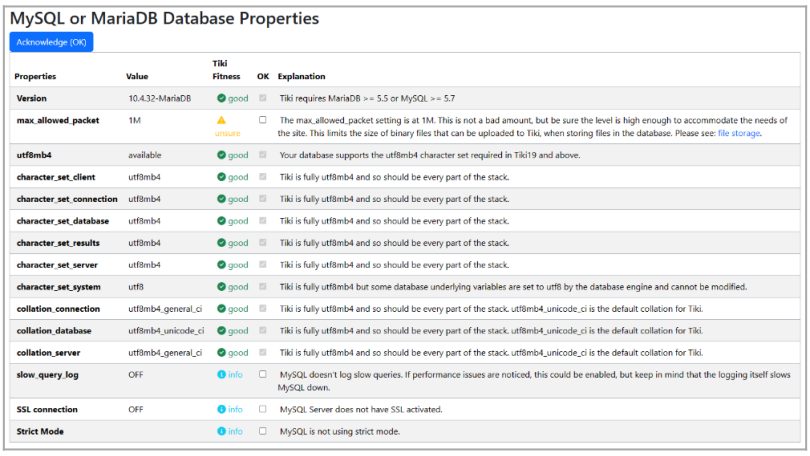
Details

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

Screenshots



Click to expand



Click to expand

Paper Papers

Paper Papers

Author	Paper	Year	Abstract
Smith	Paper	2020	Abstract
Jones	Paper	2021	Abstract

Paper Papers Paper Papers Papers

Paper	Paper	Paper	Paper
Paper	Paper	Paper	Paper

Paper Papers Papers Papers Papers

Paper	Paper	Paper	Paper
Paper	Paper	Paper	Paper
Paper	Paper	Paper	Paper
Paper	Paper	Paper	Paper

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

The jQuery Sortable Tables feature must be activated for the sort feature to work.

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

Via the command line

How to get tiki-check via shell access

```
wget --output-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

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

- 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.
- Requirements
- Installation

Alias names for this page: ServerCheck | Check | Tiki Check | TikiCheck