Bugs & Wish list

tiki-check.php: make all these 50+ values available to Nagios/Icinga/Shinken | Tiki Wiki CMS Groupware
:: Development
tiki-check.php: make all these 50+ values available to Nagios/Icinga/Shinken

Status
● Open

Subject
tiki-check.php: make all these 50+ values available to Nagios/Icinga/Shinken

Version
12.x

Category
- Feature request
- Dogfood on a *.tiki.org site

Feature
Monitoring

Resolution status
New

Submitted by
Marc Laporte

Volunteered to solve
Marc Laporte

Lastmod by
Nelson Ko

Rating
★ ★ ★ ★ ★ (0)

Related-to
- ● Monitoring pre-dogfood servers
- ● Review and modernize support for monitoring systems like Zabbix NetData, Nagios, etc.
- ⊗ tiki-check.php; New error about Server compatibility seems wrong

Description
Use case 1:

- Customer has his own hosting (ex: dedicated or shared hosting)
- There is not just Tiki on that hosting
- Tiki consultant doesn't really control the hosting. They may change config to suit another app or in an upgrade.
- Tiki consultant sets up everything just nice thanks to Tiki Check
- Several months go by, all is well. Tiki Consultant is a hero.
- Hosting company (or someone else working on another app on the same server) proceeds to an upgrade/change without telling anyone
- Several months go by, problems appear, there is dissatisfaction
- Customer considers this as within the warranty and expects the Consultant to fix without extra charge
- Tiki consultant feels: "hey, it worked when I left it"
- Tiki consultant doesn't remember / have data on the previous config so can't explain the cause of the issues.

- Customer thinks Tiki was perhaps not such a good idea, as it's not supporting data load and there are all kinds of quirks
- Customer gets told, "why didn't you use system XYZ instead?"

In an alternate reality, Tiki Consultant sets up a Nagios/Icinga/Shinken instance to track all Tiki sites he has been associated with. Data is logged quietly in the background.

When an issue is reported, he can look at historical data and see what changed and have a clue. As a bonus, he can indicate to the customer that hosting company made changes to the server without advising anyone. Tiki Consultant is a hero (and can bill that time), and hosting company is not. If Nagios/Icinga/Shinken could alert the Tiki Consultant of changes, it would permit Tiki Consultant to review changes and to evaluate if there are any risks of issues.

Use case 2: run on all *.tiki.org sites to help reliability.

Use case 3: run on pre-dogfood servers and if we notice something went awry (ex: requires more RAM), we have a clear indication of which day the commit came in.
We have 50+ beautiful checks in tiki-check.php Surely it can't be hard to make them accessible to an outside monitoring system?

Solution

OK this task is kind of broad and unactionable, so I have broken it down into actionable sub-tasks. It is more of an ongoing thing anyway.

1) Document the state of testing going on tiki.org sites, collect historical information, and produce monthly report on pass/fail on various checks. (some of these checks might fail a lot of the time with no problem, but collecting the historical info is useful to tune the tests for future, notification can be disabled for most of these checks).

2) If possible, provide easy access to the monitoring dashboard for tiki.org sites.

3) Increase the number of checks on the Tiki.org sites. There is a scalability issue here - it might require more machines and changi's shinken setup might scale better than amette's icinga setup. Anyway, the more checks the better, even if it is to understand better how Tiki sites behave under various situations, in various measured parameters.

4) Organize TMIT webinar on "how did we setup a Tiki monitoring infra". Will invite all sysadmins to describe/present their setup. The idea is not to do an academic study on the umpteen ways to do such a thing but just to present what has been done.

I will create separate tasks for each of these

Importance
9
Easy to solve?
7
Priority
63
Demonstrate Bug (Tiki 19+)

Please demonstrate your bug on show2.tiki.org

Version: trunk ▼

Demonstrate Bug (older Tiki versions)
Please demonstrate your bug on show.tikiwiki.org

Version: 18.x ▼

Ticket ID
4680

Created
Wednesday 21 August, 2013 07:21:13 GMT-0000
by Marc Laporte

LastModif
Tuesday 20 July, 2021 02:15:31 GMT-0000

Comments

Jean-François BILGER 22 Aug 13 15:56 GMT-0000

Monitoring is enable on next*.tiki.org instances.

Marc Laporte 23 Sep 13 20:48 GMT-0000

I would like to receive emails when something goes wrong.

Thanks!

Marc Laporte 03 Nov 13 05:26 GMT-0000

Hi Nelson!

I love the plan you made!

This is going to be a-w-e-s-o-m-e!

M ;-)

Marc Laporte 20 Jul 21 02:18 GMT-0000

@Nelson: That was a nice plan but one more time, just talk, no action. Ref: item4678-Monitoring-pre-dogfood-servers.

Marc Laporte 20 Jul 21 02:19 GMT-0000

2021-07-19 22:12:58

In tiki-check.php: When site admin clicks the "OK" checkbox, (s)he acknowledges that this setting is OK. If the setting changes in the future, site admin should be alerted. At the very least in the admin panel, and ideally via monitoring system (Zabbix, NetData, Nagios, etc.)

Server Check ❓

MySQL or MariaDB Database Properties

Acknowledge (OK)

Property	Value	Tiki Fitness	OK	Explanation
Version	5.5.68-MariaDB	✅ good	☑	Tiki requires MariaDB >= 5.5 or MySQL >= 5.5.3
max_allowed_packet	128M	✅ good	☑	The max_allowed_packet setting is at 128M. Q... files in the database. Please see: file storage.
utf8mb4	available	✅ good	☑	Your database supports the utf8mb4 character
character_set_client	utf8mb4	✅ good	☑	Tiki is fully utf8mb4 and so should be every par
character_set_connection	utf8mb4	✅ good	☑	Tiki is fully utf8mb4 and so should be every par
character_set_database	utf8mb4	✅ good	☑	Tiki is fully utf8mb4 and so should be every par
character_set_results	utf8mb4	✅ good	☑	Tiki is fully utf8mb4 and so should be every par
character_set_server	latin1	⚠ unsure	☑	On a fresh install everything should be set to u
character_set_system	utf8	✅ good	☑	Tiki is fully utf8mb4 but some database underly
collation_connection	utf8mb4_general_ci	✅ good	☑	Tiki is fully utf8mb4 and so should be every par
collation_database	utf8mb4_unicode_ci	✅ good	☑	Tiki is fully utf8mb4 and so should be every par
collation_server	latin1_swedish_ci	⚠ unsure	☑	On a fresh install everything should be set to u
slow_query_log	OFF	ℹ info	☑	MySQL doesn't log slow queries. If performanc
SSL connection	OFF	ℹ info	☑	MySQL Server does not have SSL activated.
Strict Mode		ℹ info	☑	MySQL is not using strict mode.

Attachments

filename	created	hits	comment	version	filetype
⬇ 2021-07-19_220647.png	20 Jul 21 02:15 GMT-0000	0			

The original document is available at
https://dev.tiki.org/item4680-tiki-check-php-make-all-these-50-values-available-to-Nagios-Icinga-Shinken