

## Bugs & Wish list

InterTiki: "known\_hosts" entered into dbase incorrectly for first entry | Tiki Wiki CMS Groupware :: Development

InterTiki: "known\_hosts" entered into dbase incorrectly for first entry

### Status

● Open

### Subject

InterTiki: "known\_hosts" entered into dbase incorrectly for first entry

### Version

3.x

### Category

- Error
- Regression

### Feature

Database MySQL (MyISAM)

InterTiki

### Submitted by

mizraith

### Lastmod by

mizraith

### Rating

★★★★★ (0) ?

### Description

This follows extensive regression into InterTiki setup problems. There are 2 bugs in here, but they are likely related as they exhibit the same performance. I am unsure where the problem lies (someone familiar with the code could fix this in a heartbeat).

#### Background

Both these apply to a fresh install of Tiki and getting InterTiki up and operational. I have replicated this bug on 2 different setups (2 different hosts).

1. Tiki 3.0 beta 4
2. Tiki 3.0 RC1

#### Server Setup Error

During initial server setup, as Tiki Admin, setting up the KnownHosts information. Typically, I would only setup one known host for demo purposes. However, in spite of tweaks, I kept seeing the InterTiki response error Invalid Server Key.

#### Regression

I tracked through to code to the /remote.php validate function, around lines 58 or so. It seems like it always ended up inside the if clause (failing the validation).

#### Inserting



```
"print_r($prefs['known_hosts']);"
```

at the top of the validate function I received the following from the master:



```
Array ( [0] => Array ( [name] => tiki2 [key] => mysecretkey [ip] => 127.0.0.1 [contact] =>
mizraith ) )
```

### Explanation

No wonder it failed the test, as the if statement was indexing into "known\_hosts" using the key.



```
"!isset($prefs['known_hosts'][$key]) or $prefs['known_hosts'][$key]['ip'] !=
$tikilib->get_ip_address()".
```

As you can see, the initial setup from within Tiki failed to properly key the database entry. The database entry has a key of 0.

Adding another "known\_host" in the InterTiki admin shows correct behavior:



```
Array ( [0] => Array ( [name] => tiki2 [key] => mysecretkey [ip] => 127.0.0.1 [contact] =>
mizraith ) [anotherkey] => Array ( [name] => another [key] => anotherkey [ip] =>
123.123.123.123 [contact] => mizraith ) )
```

### Additional Regression

Editing that first Known Host in the InterTiki admin screen does not fix the key value. AFAIK, one has to delete the first known host that is entered (throwaway). From then on, it seems to work.

### Client Setup Error

Although I didn't recognize it at the time, I have seen this same error during client setup of InterTiki. In that process, admin must enter a Known Server. The first server you enter in seems to go into the database with a key of 0, even though InterTiki will search on the server's key name.

### Workaround

During Initial Setup of the Master or Client InterTiki

1. Insert a throw-away host as the first host entered.
2. Enter a second (and the real) Known Host
3. Then go ahead and delete your throw-away known host

### Priority

25

Demonstrate Bug (Tiki 19+)

Please demonstrate your bug on [show2.tiki.org](https://show2.tiki.org)

Version: trunk ▼

## Demonstrate Bug (older Tiki versions)

Ticket ID

2489

Created

Thursday 07 May, 2009 23:44:15 GMT-0000

by Unknown

LastModif

Thursday 07 May, 2009 23:52:46 GMT-0000

## Comments



Marc Laporte 08 May 09 00:35 GMT-0000

Hi!

Thank you for this very detailed report. I never got InterTiki to work and this may very well be the cause



mizraith 08 May 09 00:52 GMT-0000

I've also found (although this is unrelated to the bug) that even if the RPC request comes from the same server, it doesn't test as 127.0.0.1 with `$tikilib->get_ip_address()` . Although a security hole, i'm considering removing all the `ip_address` checking to see if that works out for me.



mizraith 08 May 09 01:27 GMT-0000

(also unrelated but for those looking to isolate issues and get a first-positive).

It really helps to turn on debugging in `/lib/userslib.php` around line 2817 `$client->setDebug(1);` to look at the response back from the server and do a bunch of printouts.

Anyway, you can remove the IP address security by changing line 55 in `/remote.php` from:



```
if (!isset($prefs['known_hosts'][$key]) or $prefs['known_hosts'][$key]['ip'] !=  
$tikilib->get_ip_address()) {
```

to:



```
if (!isset($prefs['known_hosts'][$key])) {
```

ONCE I DID THIS, MY INTERTIKI WAS HAPPY.

### Next Steps:

- When I have a little more time, I'm going to work on the code that has the InterTiki server test it's IP against the requester's IP. This gets over the "localhost" not being detected properly.
  - Basically, if I fail the IP test I must also fail the same-server test. I figure the code might look like:



```
if ($prefs['known_hosts'][$key]['ip'] != $tikilib->get_ip_address() AND ($_SERVER[SERVER_ADDR] == $tikilib->get_ip_address())) {
```

- I might dork around and figure out if I can edit the InterTiki admin page somewhat to be more accomodating of these types of options. Do we really have to test InterTiki based on an IP\_address? What if the user doesn't want that level of security.

re in the \$tikilib can I compare "my own address" against the incoming RPC request. Would \$\_SERVER[

### Attachments

filename	created	hits	comment	version	filetype
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No attachments for this item

The original document is available at

[https://dev.tiki.org/item2489-InterTiki-known\\_hosts-entered-into-dbase-incorrectly-for-first-entry](https://dev.tiki.org/item2489-InterTiki-known_hosts-entered-into-dbase-incorrectly-for-first-entry)