# Experimental Branches InnoDB

The rest of this page is only kept for posterity.

## Introduction

### Wishes

Open

<table>
<thead>
<tr>
<th>Rating</th>
<th>Subject</th>
<th>Submitted by</th>
<th>Importance</th>
<th>Easy to solve?</th>
<th>Priority</th>
<th>Category</th>
<th>Volunteered to solve</th>
<th>LastModif</th>
<th>Comments</th>
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<tbody>
<tr>
<td>[ ]</td>
<td>Tiki 15.0 Alpha Installer complains about invalid characters in database name T15T</td>
<td>neubert</td>
<td>4</td>
<td>20</td>
<td>• Usability</td>
<td>2016-03-20</td>
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<td>[ ]</td>
<td>SQL error when using wikiplugin_contributionsdashboard</td>
<td>rjsmelo</td>
<td>3</td>
<td>9</td>
<td>• Error</td>
<td>2019-06-26</td>
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<td>[ ]</td>
<td>Installer timeout issue</td>
<td>Nelson Ko</td>
<td>6</td>
<td>24</td>
<td>• Error</td>
<td>2014-05-20</td>
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<td>[ ]</td>
<td>Index rebuilt error or warning about prefslib.php but not detailed in the logs</td>
<td>Bernard Sfez / Tiki Specialist</td>
<td>5</td>
<td>25</td>
<td>• Feature request / • Regression</td>
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### Pending

No records found

### Fixed

<table>
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<th>Easy to solve?</th>
<th>Priority</th>
<th>Category</th>
<th>Volunteered to solve</th>
<th>LastModif</th>
<th>Comments</th>
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<tr>
<td>✭✭✭</td>
<td>Control panels save or login action, gives page with db errors</td>
<td>Wiebe</td>
<td>10 high</td>
<td>5</td>
<td>50</td>
<td>• Error</td>
<td>2019-02-08</td>
<td>6 luci-06 Feb 19</td>
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<td>✭✭✭</td>
<td>Index error on tiki tracker (built-in) fields and BLOB/TEXT error after recent update of Tiki22</td>
<td>Bernard Sfez / Tiki Specialist</td>
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<td>• Error • Regression • Upgrade Blocker</td>
<td>2021-07-04</td>
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<td>Database update error on upgrading a Tiki21 to Tiki22</td>
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<td>• Error • Upgrade Blocker</td>
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<tr>
<td>✭✭✭</td>
<td>Verbose lost when MySQL is not running (on MAMP ?)</td>
<td>Bernard Sfez / Tiki Specialist</td>
<td>5</td>
<td>5</td>
<td>25</td>
<td>• Regression</td>
<td>2021-07-04</td>
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</table>
Database upgrades

When adding an engine dependent patch, the engine independent SQL must be put in the `YYYYMMDD_description_tiki.sql` file. The engine dependent parts must be put in an accompanying `php` file, specifying a `post_YYYYMMDD_description_tiki` function.

Example: Add a table with a fulltext index

```sql
DROP TABLE IF EXISTS `tiki_test`;
CREATE TABLE `tiki_test` (
  `title` varchar(255) default NULL,
  KEY `title` (`title`)
) ENGINE=MyISAM;
```

and a `php` file specifying the engine dependent part

```php
function post_20110918_tiki_test_tiki( $installer ) {
  if($installer->isMySQLFulltextSearchSupported()) {
    $installer->query( "CREATE FULLTEXT INDEX ft_test ON tiki_test(`title`);" );
  }
}
```

ToDo
Remove "MySQL Full-Text Search" in config search

If the config search "Preference Filters" is set to Advanced, "MySQL Full-Text Search" is still displayed in the results. It shouldn't be.

Migrating existing databases to InnoDB

Migration steps

1. Make sure InnoDB is integrated in the standard/SVN Tiki release. Otherwise you may be unable to do any upgrades later.
2. Do a full backup of your current database/installation
3. Upgrade to the latest Tiki version (8.0 SVN or later).
4. Disable MySQL fulltext search in Tiki. It's not supported by InnoDB, and you won't be able to disable it from the GUI after the conversion
5. Drop all MyISAM fulltext indexes
6. Alter the database engine for all tables to InnoDB

Steps 5 and 6 are defined in the file db/tiki_convert_myisam_to_innodb.sql.

To be tested

- TRIM (would be nice that it works here too...)