TYPO3.Flow - Feature #26411

More meaningful exception on DB errors

2011-04-28 15:32 - Karsten Dambekalns

Status:	Closed		**Start date:**	2011-04-28
Priority:	Must have		**Due date:**	
Assignee:	Karsten Dambekalns		**% Done:**	0%
Category:	Persistence		**Estimated time:**	0.00 hour
Target version:	1.0 beta 1			
PHP Version:			**Complexity:**	
Has patch:				

Description

In case of a wrong Database Connection specification (wrong host, wrong socket, credentials, database not existing, ...) the user should get meaningful exception messages.

Bug auction task won by T3N.

History

#1 - 2011-04-28 15:32 - Karsten Dambekalns

- Tracker changed from Bug to Feature

#2 - 2011-04-29 22:42 - Karsten Dambekalns

- Status changed from Accepted to Needs Feedback

Ok, catching DB errors is rather hard. Obvious things that break setting up the connection completely (e.g. wrong PDO driver specified) can be caught when creating the EntityManager. Other errors only occur when the database is used (connection established, select issued, ...). Thus handling this consistently is hard and would ideally be done by Doctrine's DBAL directly in a meaningful way, so we can react.

Question: what is so bad about the generated exceptions? I would love to see a handful of "most wanted" examples here, as for me the following is as clear as it gets:

```
Uncaught Exception in FLOW3 The given 'driver' pdo_joomla is unknown, Doctrine currently supports only the fol
lowing drivers: …
Uncaught Exception in FLOW3 #1049: SQLSTATE[42000] [1049] Unknown database 'drupal'
Uncaught Exception in FLOW3 #1045: SQLSTATE[28000] [1045] Access denied for user 'fabien'@'localhost' (using p
assword: YES)
```

I could imagine some really nice handling of errors based on SQL-92 sqlstate codes, but those are not (correctly) mapped for all cases in either drivers or database implementations.

The next best thing would be the errorInfo() at least for PDO connections, but given the above mentioned state of standardized sqlstate codes that's about the same as the native driver error message (or worse).

#3 - 2011-05-31 09:59 - Karsten Dambekalns

- Status changed from Needs Feedback to Closed

Closing this one, as there's not much that can be done.