Errors in Migration Schema's

Version20150528103216.php:

```php
$this->addSql('ALTER TABLE session CREATE date_end date NOT NULL')
```

date_start and date_end are never created in the session table.

The command php bin/doctrine.php migrations:migrate --configuration=app/config/migrations.yml will fail but php bin/doctrine.php orm:schema-tool:update --dump-sql will say the schema is up-to-date

So either these fields can be removed or the doctrine test fails to detect missing fields?

Associated revisions

Revision c1926f7f - 11/08/2016 15:45 - Julio

Remove unneeded DB change see #8380

History

#1 - 04/08/2016 18:19 - Yannick Warnier

- Category set to Installation / Migration
- Status changed from New to Assigned
- Assignee set to Angel Quiroz
- Target version set to 1.11.0

#2 - 10/08/2016 18:50 - Angel Quiroz

- Status changed from Assigned to Needs more info
- Assignee changed from Angel Quiroz to Jan Derriks
- % Done changed from 0 to 80

In the session table, the date_start and date_end fields were removed from 1.10.x version. And instead of them, now we use the display_start_date, display_end_date, access_start_date, access_end_date, coach_access_start_date, coach_access_end_date.

The query $this->addSql('ALTER TABLE session CREATE date_end date NOT NULL') is in the down method, so this method will be used when you are trying downgrade from 1.10.x (or 1.11.x) to 1.9.x

#3 - 11/08/2016 15:05 - Jan Derriks

If date_start and date_end were removed ten why is the next line still in de UP method in V110 schema:

```php
$this->addSql("ALTER TABLE session MODIFY COLUMN date_start date default NULL, MODIFY COLUMN date_end date default NULL");
```

#4 - 11/08/2016 15:41 - Julio Montoya

Angel Quiroz wrote:

In the session table, the date_start and date_end fields were removed from 1.10.x version. And instead of they, now we use the
The query $this->addSql('ALTER TABLE session CREATE date_end date NOT NULL') is in the down method, so this method will be used when you are trying downgrade from 1.10.x (or 1.11.x) to 1.9.x

Downgrade process is not encourage at all. :)  

#5 - 11/08/2016 15:46 - Julio Montoya  
Jan Derriks wrote:  
If date_start and date_end were removed ten why is the next line still in de UP method in V110 schema:  
[...]

Yeah I agree with that. I just removed that change.

#6 - 16/08/2016 02:45 - Yannick Warnier  
So we agree this can be closed? :)

#7 - 16/08/2016 10:25 - Jan Derriks  
Well I haven't tested the new migration file but am happy with the information provided here, so please close the issue. One last remark: the migration tools like "php bin/doctrine.php orm:schema-tool:update --dump-sql" could do with some more documentation. Looks like something that is not only useful for development and I like maintaining chamilo (and Moodle) by using GIT and commandline tools.

#8 - 17/08/2016 02:21 - Yannick Warnier  
Hi Jan,

There is some information in README.md and CONTRIBUTING.md. Could you:  

1. Review that info and let me know if this is OK  
2. If not, suggest which topics you feel should be explained  
3. Suggest where to put that additional documentation (where you would look for it)

#9 - 18/08/2016 11:23 - Jan Derriks  
The README.md is VERY useful and OK for most branches but in the master branch the info on the doctrine dump-sql check is missing while present in the 1.10x and 1.11.x branches. This refers to the alinea starting with "you can also print the differences"...

What surprises me is that the migration tool still reports several errors while the schema check says I'm up-to-date. 

Just now I did a git pull (last log Date: Thu Aug 18 10:27:55 2016 +0200), followed by composer update and a migration:

```
$ php bin/doctrine.php migrations:migrate --configuration=app/config/migrations.yml
```

With errors:
```
x-> ALTER TABLE track_e_lastaccess MODIFY COLUMN access_date datetime DEFAULT NULL  
x-> ALTER TABLE skill_rel_user ADD INDEX idx_select_cs (course_id, session_id)
```

Migration 110 failed during Execution. Error An exception occurred while executing 'ALTER TABLE skill_rel_user ADD INDEX idx_select_cs (course_id, session_id)'

```
SQLSTATE[42000]: Syntax error or access violation: 1061 Duplicate key name 'idx_select_cs'
```

And so I learned the hard way that you cannot run the migration tool if the database is already up-to-date. That seems reasonable and makes the "schema check" command even more important. If the policy is still so that database changes never happen within a single branch than this check only needs to be done after a branch switch but I don't know that for sure.

The location of this documentation: the readme.md in github is a good prominent place. The last line with the link to For more information on Chamilo visit https://stable.chamilo.org/documentation is less useful because one needs to register (again and again) to the x.chamilo.org site for every version
x. And I just tested the link, the result is: _The requested URL /documentation/whoisonline.php was not found on this server._ (I was redirected to https://1.10.chamilo.org/documentation/whoisonline.php)

#10 - 10/10/2016 07:13 - Yannick Warnier
- Status changed from Needs more info to Bug resolved
- % Done changed from 80 to 100

Many things to answer here. I'll close the task afterwards because I think we're drifting...

- minor versions shouldn't have database changes between them. That isn't supposed to change although my lack of supervision for the migration from 1.9 to 1.10 caused major havoc and we had to apply some updates between 1.10 minor versions. As much as humanly possible, this should never happen again.
- the orm:schema commands are only meant for people as crazy as us who have development versions running and have to maintain them. A normal Chamilo admin should never use them, which explains why they are not prominently documented
- branch master of Chamilo is totally unsupported and unstable at the moment, so even the documentation is outdated, but to be sincere I've been fighting for resources for more than a year now to get to leave other branches progressively and be able to focus on the master branch, which will eventually become version 2.0, then 3.0, etc
- I've sent updates to the URLs at the bottom of the README.md files in 1.10 and 1.11, thank you for observing it.