

TYPO3.Flow - Feature # 29389

Status:	Resolved	Priority:	Should have
Author:	Bastian Waidelich	Category:	
Created:	2011-08-31	Assigned To:	Karsten Dambekalns
Updated:	2012-05-03	Due date:	
PHP Version:			
Has patch:	No		
Complexity:			
Subject:	Provide simple code migration mechanism		
Description			
<p>For people up-/downgrading from one FLOW3 version to another, there should be some tool that executes required migrations etc.</p> <p>This could be a simple FLOW3 CLI Command IMO.</p> <p>Changes that need to replace code could be put in <Package>/Migrations/Php/Version<timestamp>.php (just like Doctrine migrations. A consequence of that would be that changes must not break CLI (at least after caches have been flushed).</p> <p>Some issues/questions:</p> <ul style="list-style-type: none">- Do we need to provide a downgrading mechanism?- How can we track from which to which version the user is up-/downgrading?- Do we need some automatic backup solution if anything goes wrong?			
Related issues:			
related to TYPO3.Flow - Bug # 37053: Code migration doesn't work on Windows		Resolved	2012-05-10

Associated revisions

Revision ed8fdeaf - 2012-05-02 15:58 - Karsten Dambekalns

[FEATURE] Code migration tool

This adds support for "code" migrations. As with database migrations, steps needed to adjust existing code to changes done in some package can be delivered in a migration file with said package.

A new command flow3:core:migrate can be used to apply migrations to all packages still in need of that migration. The tool requires git to be available and will work only on code in clean git working copies.

Change-Id: Id237481ae651f94f2ae93d73544efb94d9d19734

Resolves: #29389

Releases: 1.1

Revision 05f80eb8 - 2012-05-03 15:57 - Karsten Dambekalns

[TASK] Adjust the code migration for FLOW3 1.1

This tweaks the code migration a little to be more complete and produce better readable output.

Change-Id: Icadf90477f4c3bb0f8f565d2ebe656c84f95db67

Related: #29389

Releases: 1.1

Revision 06930c3b - 2012-05-03 16:08 - Karsten Dambekalns

[TASK] Tweak code migration tool code and output

This makes the output of the code migration tool a little more readable and shifts some parts of the code around to clean it up.

Change-Id: I818e422f40cad7f8e036112dd5186caada143039

Related: #29389

Releases: 1.1

Revision b7d30145 - 2012-05-07 13:55 - Karsten Dambekalns

[FEATURE] Make migration of a single package possible

Now the option "--package-key" can be given to "core:migrate" to migrate a single package.

This allows for migration of single packages, including those in the "Framework" category, which are now skipped by default.

Change-Id: I75984fb77bfdea2d8284d278822e2e148b6a6bef

Related: #29389

Releases: 1.1

Revision c7038c4e - 2012-05-10 17:44 - Karsten Dambekalns

[BUGFIX] Make core:migrate work on Windows

On Windows redirection to /dev/null does not work. Also some migrations would not be found due to useless type casting.

Change-Id: If36ac839a194f2663aeabf4ba85cfb6321764679

Related: #29389

Releases: 1.1

History

#1 - 2011-08-31 16:05 - Bastian Waidelich

Bastian Waidelich wrote:

Some issues/questions:

- Do we need to provide a **downgrading** mechanism?

2015-08-03

2/4

Suggestion: Create up() and down() methods in some AbstractMigrations (also see [Doctrine Migrations](#)) and leave it to the implementation whether to support downgrade or not.

- How can we track from which to which version the user is up-/downgrading?

One solution would be to always execute all migrations in the right order.

Another solution could be to store the current version in some text(?) file after upgrading.

- Do we need some automatic backup solution if anything goes wrong?

Suggestion: flow3:upgrade (or whatever the command would be called) would do a dry run by default and inform the user that a backup of files and db has to be done first.

See also

<http://git.typo3.org/FLOW3/Packages/FLOW3.git?a=blob;f=Scripts/migrate.php;h=c355961a936331c078406147564d665319d28f72;hb=HEAD> for reference.

#2 - 2011-08-31 16:11 - Karsten Dambekalns

Also nice is the way things are managed with Symfony 2. we should look at having something along those lines to ease working with "custom distributions"

http://symfony.com/doc/current/cookbook/workflow/new_project_git.html#cookbook-managing-vendor-libraries

#3 - 2011-09-05 15:36 - Robert Lemke

- Subject changed from *Provide simple upgrade mechanism* to *Provide simple code migration mechanism*

#4 - 2011-09-09 15:17 - Robert Lemke

- Target version changed from *1.0 beta 2* to *1.0.0*

#5 - 2011-09-30 10:20 - Karsten Dambekalns

- Target version changed from *1.0.0* to *1.1*

#6 - 2012-01-31 17:26 - Karsten Dambekalns

- Status changed from *New* to *Accepted*

- Assigned To set to *Karsten Dambekalns*

- Has patch set to *No*

#7 - 2012-01-31 17:30 - Karsten Dambekalns

Here is the concept: <https://docs.google.com/document/pub?id=1k5gp9TLfv5yem04uSFkrOKBWIvPp-zGSgVrG9ePkY>

#8 - 2012-04-02 11:30 - Gerrit Code Review

- Status changed from *Accepted* to *Under Review*

Patch set 1 for branch **master** has been pushed to the review server.

It is available at <http://review.typo3.org/10124>

#9 - 2012-04-14 13:52 - Gerrit Code Review

Patch set 2 for branch **master** has been pushed to the review server.
It is available at <http://review.typo3.org/10124>

#10 - 2012-04-27 13:15 - Gerrit Code Review

Patch set 3 for branch **master** has been pushed to the review server.
It is available at <http://review.typo3.org/10124>

#11 - 2012-04-29 12:47 - Gerrit Code Review

Patch set 4 for branch **master** has been pushed to the review server.
It is available at <http://review.typo3.org/10124>

#12 - 2012-04-29 13:20 - Gerrit Code Review

Patch set 5 for branch **master** has been pushed to the review server.
It is available at <http://review.typo3.org/10124>

#13 - 2012-05-02 15:59 - Gerrit Code Review

Patch set 6 for branch **master** has been pushed to the review server.
It is available at <http://review.typo3.org/10124>

#14 - 2012-05-03 02:39 - Karsten Dambekalns

- *Status changed from Under Review to Resolved*
- *% Done changed from 0 to 100*

Applied in changeset commit:ed8fdeafc57bad85358c960daf2e7751ef161796.