

TYPO3.Flow - Feature #37402

Make request handling RESTfuller

2012-05-22 20:19 - Bastian Waidelich

Status:	Resolved	Start date:	2012-05-22
Priority:	Should have	Due date:	
Assignee:	Robert Lemke	% Done:	70%
Category:	Http	Estimated time:	0.00 hour
Target version:	1.1 beta 2	Complexity:	medium
PHP Version:	5.3		
Has patch:	No		

Description

Currently quite some work is required in order to create a FLOW3 based REST service. See comments:

<https://github.com/bwaidelich/REST-Test/commit/08749c0304d0f917781ca29f558dbb83f610fb57>

Those features should be part of the core IMO:

format negotiation:

We used to have a convenience method [Environment::getAcceptedFormats\(\)](#) that determined the accepted format from the requests accept headers. The http request should be able to determine those itself.

Note: It would be nice if the request had a **list** of accepted formats so the controller could specify a list of supported formats and the first match would be used.

consume input streams (see [#36913](#))

Streams should be converted to arguments for POST & PUT requests.

Based on the content type the stream needs to be parsed (see

<https://github.com/bwaidelich/REST-Test/blob/master/Classes/RestRequestHandler.php#L119>)

improve provided RestController

The RestController should be able to set the Content-Type header of the response according to some pattern (see <https://github.com/bwaidelich/REST-Test/blob/master/Classes/Controller/AbstractRestController.php#L40>)

Also redirection and error handling need to be adjusted

I don't know what we could achieve for 1.1 still, but maybe we can at least make it easier for 3rd parties to hook in

Related issues:

Related to TYPO3.Flow - Task #36340: Environment class needs to be cleaned up	Resolved	2012-04-19
Related to TYPO3.Flow - Feature #35243: HTTP 1.1 Support – Foundations	Resolved	2012-03-26
Related to TYPO3.Flow - Bug #36913: HTTP PUT data not recognized as arguments	Resolved	2012-05-07
Related to TYPO3.Flow - Bug #37403: IdentityRoutePart should set __identity a...	Resolved	2012-05-22
Related to TYPO3.Flow - Feature #37604: Make Flow RestController useless by i...	Resolved	2012-05-30

Associated revisions

Revision 02fc35be - 2012-05-22 21:48 - Bastian Waidelich

[TASK] IdentityRoutePart should return __identity array

IdentityRoutePart::matchValue() currently returns the identifier of the ObjectPathMapping record directly.

This makes it difficult to merge arguments with data from the requestBody (e.g. for PUT requests).

This change adjusts the route part so that it sets \$this->value to an array in the format array('__identity' => '<Identifier>')

Change-Id: I8b8cca1e20a2caf85ba51680ca79c4d74c16ed8b

Fixes: #37403

Related: #37402

Releases: 1.1, 1.2

Revision 26f83dd3 - 2012-05-23 16:21 - Robert Lemke

[FEATURE] Support for HTTP PUT/DELETE arguments

This adds transparent argument support for arguments in PUT and DELETE requests which are passed through the request body. Depending on the content type of the request, the message body is parsed and then mapped into arguments for further use in controllers.

The following content content types are currently supported:

- application/x-www-form-urlencoded
- application/json
- xml

Change-Id: lfa6712e38d68c94cd9ec79a499d25ee577fc2d57

Resolves: #36913

Related: #37402

Related: #33371

Releases: 1.1, 1.2

Revision 8ce2f8da - 2012-05-23 16:37 - Robert Lemke

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Change-Id: ld938025a7359b6ec3b29cec5fd7259db97703a16

Resolves: #36913

Related: #37402

Related: #33371

Releases: 1.1, 1.2

Revision 94d958a5 - 2012-05-29 10:17 - Bastian Waidelich

[BUGFIX] Set property mapping configuration in RestController

Since lac7bbb2a58ad890701fff2b0ad6b16a0e0b15bba we use a whitelist-based approach to configure property mapping.

This change hooks into the create/update action of the RestController and sets the required property mapping configuration.

Change-Id: l6edbef57b42ed7afa176fbe231c500ff5fec8b14

Related: #37402

Related: #36776

Releases: 1.1, 1.2

Revision ef3e8fbb - 2012-05-29 22:41 - Robert Lemke

[!!!][TASK] Switch from MIME to Media Types

The term MIME type is outdated, at least if used in a web context. The correct term is "Internet Media Type". Furthermore, our list of MIME types (or media types) was not up to date.

This patch introduces a new utility class "MediaTypes" which replaces "FileTypes". Along with the new class comes a script which allows the core team to conveniently update the list of Media Types and filename extensions.

This is a breaking change as the FileTypes class is deprecated with it. The old methods are still available but should not be used anymore. A code migration to use the new ones instead is shipped with the change.

Change-Id: I8f0997f79f09c828dbce5c7a34b4487a522aab0c
Related: #37402
Related: #33371
Releases: 1.1, 1.2

Revision fc4c4ab5 - 2012-05-30 14:24 - Robert Lemke

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Releases: 1.1, 1.2

Revision c7da751a - 2012-05-30 20:16 - Bastian Waidelich

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Fixes: #37403
Related: #37402
Releases: 1.1, 1.2

History

#1 - 2012-05-29 10:54 - Robert Lemke

- *Tracker changed from Task to Feature*
- *Category changed from MVC to Http*
- *Status changed from New to Accepted*
- *PHP Version set to 5.3*
- *Complexity set to medium*

#2 - 2012-05-30 13:03 - Karsten Dambekalns

- *% Done changed from 0 to 70*

#3 - 2012-05-30 13:06 - Karsten Dambekalns

- *Status changed from Accepted to Resolved*

Almost done, the remaining work will be done for 1.2, see [#37604](#).

#4 - 2013-01-25 16:20 - Bastian Waidelich

Moved comments to [#37604](#)