TYPO3.Flow - Feature # 52064

Status:	Resolved	Priority:	Should have
Author:	Bastian Waidelich	Category:	Http
Created:	2013-09-17	Assigned To:	Bastian Waidelich
Updated:	2014-08-05	Due date:	

PHP Version:	
Has patch:	No
Complexity:	
Subject:	HTTP components for handling requests

Description

Currently the only way to hook into the request handling process one has to use a custom RequestHandler (e.g. for CLI requests) or AOP (e.g. to capture Fluid AJAX-Widget requests).
With "HTTP components" request handling in Flow will be much more modular and flexible.

The default component chain would be something like this:

```
1 TYPO3:
2   Flow:
3     http:
4       chain:
5         'routing':
6           position: 'start'
7           component: TYPO3\Flow\Mvc\Routing\RoutingComponent
8           componentOptions:
9             'defaultDispatchComponent': 'TYPO3\Flow\Mvc\DispatchComponent'
10        'standardCompliancy':
11          position: 'end'
12          component: TYPO3\Flow\Http\Component\MakeStandardsCompliantComponent
```

As you can see from the example above the component chain can be nested. So it will be possible to use the Flow Routing Framework to dispatch a 3rd party code directly for example.
For handling Fluid AJAX widget requests we no longer need AOP-hacks, but a simple HTTP component, configured like this:

```
1 TYPO3:
2   Flow:
3     http:
4       chain:
5         'ajaxWidget':
6           position: 'before routing'
7           component: TYPO3\Fluid\Core\Widget\AjaxWidgetComponent
```

Associated revisions

Revision e51257c2 - 2014-08-02 00:14 - Bastian Waidelich

[!!!][FEATURE] HTTP components for handling requests

Currently the only way to hook into the request handling process
one has to create a custom ``RequestHandler`` (in order to intercept
the default application flow very early) or use AOP (e.g. to capture
Fluid AJAX-Widget requests).

With this change request handling in Flow is much more modular and
flexible as it allows packages to modify the default request chain by
providing or configuring "HTTP components".

Background:

This is not a breaking change strictly speaking as it doesn't affect
the public API. It's marked as such though because it quite likely
breaks Flow applications with custom request handling.

If you created a custom ``RequestHandler`` make sure that it still
works as expected and check if its still needed or if a HTTP
component could replace it. The same is true if you hooked into the
request handling via AOP.

Change-Id: Iac1bd27cd1f2869e597b696c896633f14703ec40
Resolves: #52064
Releases: master

Revision 57d734b0 - 2014-08-27 17:25 - Bastian Waidelich

[BUGFIX] Properly merge request- and routing arguments

The "HTTP Components" feature (#52064) introduced a regression that
makes it very difficult to create RESTful services with Flow.
The problem is that the ``matchResults`` from the routing framework
override the arguments of the HTTP request instead of being
merged.

This change moves the merging of request- and routing arguments from
the ``ActionRequest`` to the ``DispatchComponent`` reducing the
complexity of argument merging and fixing the behavior of routing
values overriding the request arguments.

Note: This is a breaking change if you relied on the incorrect
behavior but it's not marked as such because there is no released
version that contains the regression.

Change-Id: Ida582e40c5306d5fa490c949d066e24f6dd63d09
Fixes: FLOW-43
Related: #45293
Related: #52064
Releases: master

Revision b6e88166 - 2014-12-02 12:56 - Bastian Waidelich

[BUGFIX] Adjust settings schema to "HTTP components for handling requests"

This fixes the ``TYPO3.Flow.http.schema.yaml`` according to the
"HTTP Components" feature introduced with
I1e2491dba5adc125a7b85a574c9b51c9ae2ff18f

Change-Id: If8e901a1b6fd7e3f33832f6775c25cf6e2700f79
Releases: master, 2.3
Fixes: FLOW-35
Related: #52064

Revision 61f2155c - 2014-12-02 15:55 - Bastian Waidelich

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Change-Id: If8e901a1b6fd7e3f33832f6775c25cf6e2700f79
Releases: master, 2.3
Fixes: FLOW-35
Related: #52064

Revision 1f793891 - 2015-07-14 14:52 - Bastian Waidelich

[BUGFIX] Re-enable logging of ``Router::route()`` calls

With the implementation of `HTTP Components` we accidentally disabled
logging for calls to ``Router::route()``.

This patch adds the ``log()`` calls again.

Background:

The regression has been introduced with "[FEATURE] HTTP components for
handling requests" (Iac1bd27cd1f2869e597b696c896633f14703ec40).

Change-Id: I55b3c6ebf2ac84de47822477f4869dff3654e3ce
Fixes: FLOW-338
Related: #52064
Releases: master, 3.0, 2.3

Revision a9c99fdb - 2015-07-14 15:35 - Bastian Waidelich

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Change-Id: I55b3c6ebf2ac84de47822477f4869dff3654e3ce
Fixes: FLOW-338
Related: #52064
Releases: master, 3.0, 2.3

Revision 2eb78c25 - 2015-07-14 15:36 - Bastian Waidelich

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Fixes: FLOW-338
Related: #52064
Releases: master, 3.0, 2.3

History

#1 - 2013-09-17 18:47 - Gerrit Code Review

- Status changed from Accepted to Under Review

Patch set 12 for branch **master** has been pushed to the review server.
It is available at https://review.typo3.org/20821

#2 - 2013-09-20 17:54 - Gerrit Code Review

Patch set 13 for branch **master** has been pushed to the review server.
It is available at https://review.typo3.org/20821

#3 - 2013-09-23 10:16 - Gerrit Code Review

Patch set 14 for branch **master** has been pushed to the review server.

It is available at https://review.typo3.org/20821

#4 - 2013-09-23 13:12 - Gerrit Code Review

Patch set 15 for branch **master** has been pushed to the review server.

It is available at https://review.typo3.org/20821

#5 - 2013-10-18 12:11 - Bastian Waidelich

The current configuration format is:

```
1 TYPO3:
2   Flow:
3     http:
4       chain:
5         'routing':
6           position: 'start'
7           component: TYPO3\Flow\Mvc\Routing\RoutingComponent
8           componentOptions:
9             'defaultDispatchComponent': TYPO3\Flow\Mvc\DispatchComponent
10        'standardCompliancy':
11          position: 'end'
12          component: TYPO3\Flow\Http\Component\MakeStandardsCompliantComponent
```

As a reminder:

"Routing cache"- and redirect-handling are good examples of code that should be extracted to components. The final default configuration could be:

The current configuration format is:

```
1 TYPO3:
2   Flow:
3     http:
4       chain:
5         'routing-cache-lookup':
6           position: 'start'
7           component: TYPO3\Flow\Mvc\Routing\RoutingCacheLookup
8         'redirects':
9           position: 'before routing'
10          component: TYPO3\Flow\Http\Redirect\RedirectComponent
11        'routing':
12          component: TYPO3\Flow\Mvc\Routing\RoutingComponent
13          componentOptions:
14            'defaultDispatchComponent': TYPO3\Flow\Mvc\DispatchComponent
15        'standardCompliancy':
16          position: 'end'
17          component: TYPO3\Flow\Http\Component\MakeStandardsCompliantComponent
18        'routing-cache-storage':
```

```
19        position: 'end'
20        component: TYPO3\Flow\Mvc\Routing\RoutingCacheStorage
```

#6 - 2013-10-21 12:00 - Gerrit Code Review

Patch set 16 for branch **master** has been pushed to the review server.
It is available at https://review.typo3.org/20821

#7 - 2013-11-05 20:05 - Gerrit Code Review

Patch set 17 for branch **master** of project **Packages/TYPO3.Flow** has been pushed to the review server.
It is available at https://review.typo3.org/20821

#8 - 2013-11-05 20:05 - Gerrit Code Review

Patch set 18 for branch **master** of project **Packages/TYPO3.Flow** has been pushed to the review server.
It is available at https://review.typo3.org/20821

#9 - 2014-04-03 16:30 - Gerrit Code Review

Patch set 19 for branch **master** of project **Packages/TYPO3.Flow** has been pushed to the review server.
It is available at https://review.typo3.org/20821

#10 - 2014-05-19 15:21 - Gerrit Code Review

Patch set 20 for branch **master** of project **Packages/TYPO3.Flow** has been pushed to the review server.
It is available at https://review.typo3.org/20821

#11 - 2014-05-20 23:42 - Gerrit Code Review

Patch set 21 for branch **master** of project **Packages/TYPO3.Flow** has been pushed to the review server.
It is available at https://review.typo3.org/20821

#12 - 2014-05-23 12:11 - Gerrit Code Review

Patch set 22 for branch **master** of project **Packages/TYPO3.Flow** has been pushed to the review server.
It is available at https://review.typo3.org/20821

#13 - 2014-05-27 10:56 - Gerrit Code Review

Patch set 23 for branch **master** of project **Packages/TYPO3.Flow** has been pushed to the review server.
It is available at https://review.typo3.org/20821

#14 - 2014-06-02 20:19 - Gerrit Code Review

Patch set 24 for branch **master** of project **Packages/TYPO3.Flow** has been pushed to the review server.
It is available at https://review.typo3.org/20821

#15 - 2014-06-03 09:51 - Gerrit Code Review

Patch set 25 for branch **master** of project **Packages/TYPO3.Flow** has been pushed to the review server.
It is available at https://review.typo3.org/20821

#16 - 2014-07-02 11:08 - Gerrit Code Review

Patch set 26 for branch **master** of project **Packages/TYPO3.Flow** has been pushed to the review server.
It is available at https://review.typo3.org/20821

#17 - 2014-07-02 16:18 - Gerrit Code Review

Patch set 27 for branch **master** of project **Packages/TYPO3.Flow** has been pushed to the review server.
It is available at https://review.typo3.org/20821

#18 - 2014-07-31 09:44 - Gerrit Code Review

Patch set 28 for branch **master** of project **Packages/TYPO3.Flow** has been pushed to the review server.
It is available at http://review.typo3.org/20821

#19 - 2014-08-02 00:14 - Gerrit Code Review

Patch set 29 for branch **master** of project **Packages/TYPO3.Flow** has been pushed to the review server.
It is available at http://review.typo3.org/20821

#20 - 2014-08-05 12:00 - Bastian Waidelich

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

Applied in changeset commit:e51257c2a98bb899ed0d63dca9809040a57f5113.