TYPO3.Flow - Bug # 42511

Status:	Resolved	**Priority:**	Must have
Author:	Adrian Föder	**Category:**	Http
Created:	2012-10-30	**Assigned To:**	Adrian Föder
Updated:	2012-12-11	**Due date:**	

PHP Version:	
Has patch:	No
Complexity:	
Affected Flow version:	Git 1.2 (master)
Subject:	"Uri" constructor silently accepts unparsable Uri strings

Description

The Uri::__construct() method basically relies on the parse_url() method. As of PHP documentation,
http://de3.php.net/manual/en/function.parse-url.php, Changelog,

> 5.3.3   *Removed the E_WARNING that was emitted when URL parsing failed.*

So the constructor's code can, dependent of the PHP version in use, either throw a Warning exception or silently do nothing but let the Uri object be created since there is no other check:

```
1   public function __construct($uriString) {
2      if (!is_string($uriString)) throw new \InvalidArgumentException('The URI must be a valid string.', 1176550571);
3
4      $uriParts = parse_url($uriString);
5      if (is_array($uriParts)) {
6         $this->scheme = isset($uriParts['scheme']) ? $uriParts['scheme'] : NULL;
7         $this->username = isset($uriParts['user']) ? $uriParts['user'] : NULL;
8         $this->password = isset($uriParts['pass']) ? $uriParts['pass'] : NULL;
9         $this->host = isset($uriParts['host']) ? $uriParts['host'] : NULL;
10        $this->port = isset($uriParts['port']) ? $uriParts['port'] : NULL;
11        $this->path = isset($uriParts['path']) ? $uriParts['path'] : NULL;
12        if (isset($uriParts['query'])) {
13           $this->setQuery ($uriParts['query']);
14        }
15        $this->fragment = isset($uriParts['fragment']) ? $uriParts['fragment'] : NULL;
16     }
17  }
```

I recommend to catch the Warning, if any, and throw an exception if parse_url returned FALSE (or is not an array, i.e. the else-block of the if().

Related issues:

related to TYPO3.Fluid - Bug # 42746: Functional WidgetTest is broken since U...	**Resolved**	**2012-11-07**

Associated revisions

Revision 1b03b89c - 2012-10-30 11:52 - Adrian Föder

[!!!][BUGFIX] Http\Uri constructor throws exception on invalid Uri

The constructor of the Uri object now checks the return value

of the parse_url method and throws an exception if this returns
anything else than a valuable array, because in this case the
given Uri is considered seriously malformed.

This is considered breaking because prior to this change,
the Uri just silently was created with all empty values.

Change-Id: I54c3c82e60c53ebad7dcf43ecd7e7f7044831668
Fixes: #42511
Releases: 1.1, 1.2

Revision 8d0010f2 - 2012-12-10 22:16 - Adrian Föder

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Releases: 1.1, 1.2

History

#1 - 2012-10-30 11:57 - Gerrit Code Review

- Status changed from New to Under Review

Patch set 1 for branch **master** has been pushed to the review server.
It is available at http://review.typo3.org/16035

#2 - 2012-11-06 10:35 - Adrian Föder

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

Applied in changeset commit:1b03b89c9a61c5a8066544929a9be590eb3521b3.

#3 - 2012-12-10 22:14 - Gerrit Code Review

- Status changed from Resolved to Under Review

Patch set 1 for branch **FLOW3-1.1** has been pushed to the review server.
It is available at https://review.typo3.org/17082

#4 - 2012-12-10 22:16 - Gerrit Code Review

Patch set 2 for branch **FLOW3-1.1** has been pushed to the review server.

It is available at https://review.typo3.org/17082

#5 - 2012-12-11 10:27 - Karsten Dambekalns

- Status changed from Under Review to Resolved