Zend_Filter_Newline - Thomas Weidner

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Zend Framework: Zend_Filter_Newline Component Proposal

Proposed Component Name	Zend_Filter_Newline
Developer Notes	http://framework.zend.com/wiki/display/ZFDEV/Zend_Filter_Newline
Proposers	Thomas Weidner
Zend Liaison	TBD
Revision	1.0 - 8 August 2009: Initial Draft. (wiki revision: 12)

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1. Overview

Zend_Filter_Newline is a filter which handles conversion between various line termination styles used on different architectures.

2. References

- Wikipedia Entry on Newline
- Prototype of previous proposal here - works slightly different than this proposal

3. Component Requirements, Constraints, and Acceptance Criteria

- This component **will** support Windows, Unix, Mac, Native and custom line terminators
- This component **will** also support Unicode line terminators
- This component **will** allow to replace newlines with arbitrary text

4. Dependencies on Other Framework Components

- Zend_Filter_Interface
- Zend_View_Helper_Newline

5. Theory of Operation

Zend_Filter_Newline is a filter which can change/filter newlines of given strings. It takes also care of unicode line terminators. For simplicity this filter also adds a view helper which makes use of this filter.

6. Milestones / Tasks

- Milestone 1: **[DONE]** Proposal finished
- Milestone 2: Proposal accepted
- Milestone 3: Working implementation
- Milestone 4: Unit tests
- Milestone 5: Documentation
- Milestone 6: Moved to core

7. Class Index

- Zend_Filter_Newline
- Zend_View_Helper_Newline

8. Use Cases

UC-01

Converting Mac to Windows

```
$filter = new Zend_Filter_Newline(array('delimiter' => Zend_Filter_Newline::WINDOWS));

$filter->filter("a\rb\r");
// returns a\r\nb\r\n
```

UC-02

Converting Windows-style into '<br />'s

```
$filter = new Zend_Filter_Newline(array('delimiter' => '<br />'));

$filter->filter("abc\r\ndef\r\n");
// returns abc<br />def<br />
```

9. Class Skeletons

```
class Zend_Filter_Newline implements Zend_Filter_Interface
{
    const NATIVE;
    const WINDOWS;
    const UNIX;
    const MAC;
    const NEXTLINE;
    const FORMFEED;
    const LINESEPARATOR
    const FORMSEPARATOR
    const ALL

    public function __construct($options)
    public function setDelimiter($delimiter = null)
    public function getDelimiter()
    public function filter($value)
}

class Zend_View_Helper_Newline implements Zend_View_Helper_Abstract
{
    public newline($value);
}
```

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