Zend_Compress Proposal - Steven Brown

<ac:macro ac:name="note"><ac:parameter ac:name="title">Under Construction</ac:parameter><ac:rich-text-body>
This proposal is under construction and is not ready for review. </ac:rich-text-body></ac:macro>

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Zend Framework: Zend_Compress Component Proposal

Proposed Component Name	Zend_Compress
Developer Notes	http://framework.zend.com/wiki/display/ZFDEV/Zend_Compress
Proposers	Steven Brown
Revision	0.1 - 7 February 2008: Created. (wiki revision: 4)

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1. Overview

Zend_Compress will provide class level access to compression and decompression functionality including file navigation within archives, without the need for PHP extensions. Beginning algorithms would include Zip, Gzip, Bzip, 7zip and Rar depending on legal and technical issues.

2. References

- Data Compression Wikipedia Entry

3. Component Requirements, Constraints, and Acceptance Criteria

- This component **will** allow opening of compressed files.
- This component **will** allow extraction of compressed files.
- This component **will** allow addition to compressed files.
- This component **will** allow saving of compressed files

4. Dependencies on Other Framework Components

- Zend_Exception

5. Theory of Operation

The developer loads or creates a file, adds or reads contents, then discards or saves.

6. Milestones / Tasks

- Milestone 1: Write specification.
- Milestone 2: Working prototype checked into the incubator supporting 2-3 formats.
- Milestone 3: Working prototype checked into the incubator supporting another 2-3 formats.
- Milestone 4: Unit tests exist, work, and are checked into SVN.
- Milestone 5: Initial documentation exists.

7. Class Index

- Zend_Compress_Abstract
- Zend_Compress_Contents_File
- Zend_Compress_Contents_Directory
- Zend_Compress_Format_Zip
- Zend_Compress_Format_Gzip
- Zend_Compress_Format_7zip

8. Use Cases

9. Class Skeletons

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