Zend_Service_Amazon_Abstract - Jon Whitcraft

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This proposal has been archived, and its various improvements are now addressed with issue ZF-5791.

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Zend Framework: Zend_Service_Amazon_Abstract Component Proposal

Proposed Component Name	Zend_Service_Amazon_Abstract
Developer Notes	http://framework.zend.com/wiki/display/ZFDEV/Zend_Service_Amazon_Abstract
Proposers	Jon Whitcraft
Zend Liaison	TBD
Revision	1.0 - 15 Feburary 2009: Initial Draft. (wiki revision: 5)

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1. Overview

Zend_Service_Amazon_Abstract is an abstract class for Amazon Web Service that will standardize the key handling across the services..

2. References

3. Component Requirements, Constraints, and Acceptance Criteria

- This component **will** be an abstract class.
- This component **will** provide a standard starting base for all amamzon aws classes
- This component **will** extend Zend_Service_Abstract

4. Dependencies on Other Framework Components

- Zend_Service_Abstract
- Zend_Service_Amamzon_Exception

5. Theory of Operation

This will provide the methods for extending future amamzon web service classes to be based from.

6. Milestones / Tasks

- Milestone 1: Working prototype checked into the incubator supporting use cases
- Milestone 2: Unit tests exist, work, and are checked into SVN.

7. Class Index

- Zend_Service_Amazon_Abstract

8. Use Cases

UC-01

class Zend_Service_Amazon_Sqs extends Zend_Service_Amazon_Abstract {
}

9. Class Skeletons

```
require_once 'Zend/Service/Abstract.php';

abstract class Zend_Service_Amazon_Abstract extends Zend_Service_Abstract
{
/**
* @var string Amazon Access Key
*/
protected static $default_accessKey = null;

/**
* @var string Amazon Secret Key
*/
protected static $default_secretKey = null;
```

```
/**
* @var string Amazon Secret Key
*/
protected $_secretKey;

/**
* @var string Amazon Access Key
*/
protected $_accessKey;

/**
* Set the keys to use when accessing SQS.
*
* @param  string $access_key
* @param  string $secret_key
* @return void
*/
public static function setKeys($access_key, $secret_key)
{
self::$default_accessKey = $access_key;
self::$default_secretKey = $secret_key;
}

/**
* Create Amazon Sqs client.
*
* @param  string $access_key
* @param  string $secret_key
* @return void
*/
public function __construct($access_key=null, $secret_key=null)
{
if(!$access_key) {
$access_key = self::$default_accessKey;
}
if(!$secret_key) {
$secret_key = self::$default_secretKey;
}
if(!$access_key || !$secret_key) {
require_once 'Zend/Service/Amazon/Exception.php';
throw new Zend_Service_Amazon_Exception("AWS keys were not supplied");
}
$this->_accessKey = $access_key;
$this->_secretKey = $secret_key;
}

/**
* Method to fetch the Access Key
*
* @return string
*/
protected function getAccessKey()
{
return $this->_accessKey;
}

/**
* Method to fetch the Secret AWS Key
*
* @return string
*/
protected function getSecretKey()
{
```

```
return $this->_secretKey;
}
}
```

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