PHP Framework Framy
API Reference

Version	Framy Version	Date	Description	Author
v1.0	v0.1.4	01.04.18	Not done yet, so unstable I guess	Marco Bier

Table of contents

1 Overview

Framy is simply build in components, every component has more or less one Task.

2 Components

2.1 App

2.1.1 Syntax

class App

2.1.2 Remarks

This class is there to easily call methods. It self can easily accessed via the app() helper function:

2.1.3 Variables

Name			Description
Private	Array	$defaultNamespaces	Contains the default Namespaces where it shall search in.
Private	Array	$Instances	The already used Classes are saved here for quicker access in further calls.

2.1.5 Functions

Name			Description
Public	callMethod()	call ($classMethod, Array $param)	To actually call an Method of an Class.
Public	$Instance	getClassInstance ($className)	Some strange shit
Private	Boolean	CheckIfClassIsRegistered ($class)	Returns boolean if the class is already registered or not
Private	Void	registerNewClass (& $class, & $method)	Registers a new class
Private	Mixed	callMethod ($class, $method,	Call a user function of defined class with given parameter

		$param)	
Private	String Throw Exception	validateClass ($class)	Make all inputs in one commonly used 'syntax' or throws Exception

2.1.6 Reference

Namespace	app\framework\Component\App

2.2 ClassLoader

2.2.1 ClassLoader

2.2.1.1 Syntax

class ClassLoader

2.2.1.2 Remarks

Loads classes so no includes are needed.

2.2.1.3 Function

Name			**Description**
Public	Void	register()	register auto loader
Public	Boolean	getClass ($class)	include file/class via require returns bool if success
Public	False | String	loadClass ($class)	Get class path via defined Loader.

2.2.1.4 Reference

Component	ClassLoader
Namespace	app\framework\Component\ClassLoader

2.2.2 AbstractLoader

2.2.2.1 Syntax

abstract class AbstractLoader

2.2.2.2 Remarks

Abstract Loader

2.2.2.3 Aliasing

app\framework\Component\StdLib\SingletonTrait	SingletonTrait

2.2.2.4 Functions

Name			Description
Abstract Public	False | String	findClass ($name)	Returns Filepath or false.

2.2.2.5 Reference

Component	ClassLoader
Namespace	app\framework\Component\Loader

2.2.3 Psr0

2.2.3.1 Syntax

```
class Psr0 extends AbstractLoader
```

2.2.3.2 Remarks

Psr0 Autoloader.

2.2.3.3 Functions

Name			Description
Public	False | String	findClass ($name)	Returns Filepath or false.

2.2.3.4 Reference

Component	ClassLoader
Namespace	app\framework\Component\Loader

2.3 Config

2.3.1 Syntax

```
class Config
```

2.3.2 Remarks

This class is used to interact with config files.

2.3.3 Aliasing

app\framework\Component\StdLib\SingletonTrait	SingletonTrait
app\framework\Component\StdLib\StdLibTrait	StdLibTrait

2.3.4 Variables

Name			Description
Private	ArrayObject	$data	

2.3.5 Functions

Name			Description
Public	Mixed | Boolean	get (String $config, String $file = null)	Returns the Config Value.
Private	ArrayObject	getAllData()	Loads config files

2.3.6 Reference

Namespace	app\framework\Component\Config

2.4 Database

Third-Party Framework

2.5 EventManager

2.5.1 Event

2.5.1.1 Syntax

```
class Event implements \ArrayAccess, \InteratorAggregate
```

2.5.1.2 Remarks

Event class holds event data. Data can be accessed using array keys or as object properties. Each time an event is fired, an instance of Event class in passed to handlers. By extending this class you can implement your own event class and expand it with whatever functionality you might need.

2.5.1.3 Aliasing

app\framework\Component\StdLib\StdLibTrait	StdLibTrait

2.5.1.4 Variables

Name			Description
Private	Boolean	$propagationStoped	
Private	ArrayObject	$eventData	

2.5.1.5 Constructors

Name			Description
Public	throw EventManagerException	__construct ($eventData = null)	

2.5.1.6 Override

Name			Description
Public	Mixed	__get (String $name)	Access internal data as if it was a real object.
Public	Void	__set (String $name, Mixed $value)	Set internal data as if it was a real object
Public	Boolean	__isset (String $name)	Override __isset
Public	Void	__unset (String $name)	Override __unset

2.5.1.7 Functions

Name			Description
Public	Mixed	get (String $name, Mixed $default = null)	Get value or return $default if there is no element set.
Public	Traversable	getIterator()	Retrieve an external iterator
Public	Boolean	isPropagationStopped()	Check if propagation for this event is stopped.
Public	Void	stopPropagation()	Stops the propagation of the event to further event

			listeners. After stopPropagation() is called, no other listeners will be processed.
Public	Boolean	offsetExists (Mixed $offset)	Whether a offset exists.
Public	Mixed	offsetGet (Mixed $offset)	Offset to retrieve.
Public	Void	offsetSet (Mixed $offset, Mixed $value)	Offset to set.
Public	Void	offsetUnset (Mixed $offset)	Offset to unset
Public	Array	toArray()	Get event data in form of an array.

2.5.1.8 Reference

Component	EventManager
Namespace	app\framework\Component\EventManager

2.5.2 EventListener

2.5.2.1 Syntax

```
class EventListener
```

2.5.2.2 Remarks

2.5.2.3 Aliasing

app\framework\Component\StdLib\StdLibTrait	StdLibTrait

2.5.2.4 Variables

Name			Description
Private		$handler	
Private	String	$method	
Private	Integer	$priority	

2.5.2.5 Functions

Name			Description
Public		getHandler()	
Public	String	getMethod()	
Public	Integer	getPriority()	
Public	EventManager Throws EventManagerException	handler($handler)	Set handler for event. Can be a callable, class name or class instance.
Public	EventManager Throws EventManagerException	priority (Integer $priority)	Set listener priority between 101 and 999. Default priority is 101. Bigger priority mean higher listener priority, and will be executed first.
Public	EventManager Throws EventManagerException	method (String $method)	Set method to be called on handler. If not set, default method will be called: handle(Event $event)

2.5.2.6 Reference

Component	EventManager
Namespace	app\framework\Component\EventManager

2.5.3 EventManager

2.5.3.1 Syntax

class EventManager

2.5.3.2 Remarks

EventManager is responsible for handling events. It is the main class for subscribing to events and firing events. Besides regular event names, it supports firing of wildcard events, ex: 'framy.*' will fire all events starting with 'framy.'

2.5.3.3 Aliasing

app\framework\Component\StdLib\StdLibTrait	StdLibTrait
app\framework\Component\StdLib\SingletonTrait	SingletonTrait

2.5.3.4 Variables

Name			Description
Private	Boolean	$suppressEvents	Suppress EventManager events
Private	EventProcessor	$eventProcessor	
Private	ArrayObject	$events	Registered events and event subscribers

2.5.3.5 Functions

Name			Description
Public	EventListener Throws EventManagerException	listen ($eventName, EventListener $eventListener)	Subscribe to event
Public	EventManager	subscribe (EventSubscriberInterface $subscriber)	Subscribe to events using event subscriber
Public	Array	fire (String $eventName, Array|Event $data, $resultType, Integer $limit)	Fire event
Public	EventManager	enable()	Enable event handling. After calling this method EventManager will process all fired events.
Public	EventManager	disable()	Disable event handling. After calling this method EventManager will ignore all fired events.
Public	Array	getEventListeners (String $eventName)	Get array of event listeners
Public	Void	init()	Singleton constructor
Private	Array	fireWildcardEvents ($eventName, $data, $resultType)	Process events starting with given prefix (ex: framy.* will process all events starting with 'framy.')

2.5.3.6 Reference

Component	EventManager
Namespace	app\framework\Component\EventManager

2.5.4 EventManagerException

2.5.4.1 Syntax

class EventManagerException extends AbstractException

2.5.4.2 Remarks

2.5.4.4 Variables

Name			**Description**
protected static	Array	$messages	Exception messages

2.5.4.5 Constants

Name	**Description**
INVALID_PRIORITY_VALUE	
INVALID_EVENT_HANDLER	
INVALID_EVENT_NAME	

2.5.4.6 Reference

Component	EventManager
Namespace	app\framework\Component\EventManager

2.5.5 EventManagerTrait

2.5.5.1 Syntax

trait EventManagerTrait

2.5.5.2 Remarks

A library of EventManager functions.

2.5.5.3 Functions

Name			**Description**
protected static	EventManager	eventManager()	Get event Manager

2.5.5.4 Reference

Component	EventManager
Namespace	app\framework\Component\EventManager

2.5.6 EventProcessor

2.5.6.1 Syntax

class EventProcessor

2.5.6.2 Remarks

EventProcessor is a class that takes EventListeners and Event object and processes the event.

2.5.6.3 Aliasing

app\framework\Component\StdLib\StdLibTrait	StdLibTrait
app\framework\Component\StdLib\SingletonTrait	SingletonTrait

2.5.6.7 Functions

Name			**Description**
Protected Static	Array	process (ArrayObject $eventListeners, Event $event, String $resultType, Integer $limit)	Exception messages
Private	Mixed	orderByPriority ($eventListeners)	

2.5.6.8 Reference

Component	EventManager
Namespace	app\framework\Component\EventManager

2.5.7 EventSubscriberInterface

2.5.7.1 Syntax

interface EventSubscriberInterface

2.5.7.2 Remarks

This interface is used for event subscriber classes

2.5.7.3 Functions

Name			**Description**
Public	Void	subscribe();	Subscribe to events

2.5.7.4 Reference

Component	EventManager
Namespace	app\framework\Component\EventManager

2.6 http

2.6.1 Model

2.6.1.1 Syntax

class Model

2.6.1.2 Reference

Basic Model 1.2 with Easy Database Access 1.2

2.6.1.3 Aliasing

app\framework\Component\Storage\StorageTrait	StorageTrait
app\framework\Component\StdLib\StdLibTrait	StdLibTrait
app\framework\Component\EventManager\EventManagerTrait	EventManagerTrait
app\framework\Component\Cookie\CookieTrait	CookieTrait

2.6.1.4 Variables

Name			**Description**
Protected	String	$table	The table associated with the model.
Protected	String	$connection	The connection name for the model.
Protected	app\framework\Component\Cookie\Cookie Array	$cookieJar	Contains Cookie Instances in side an Array. Easy accessible by using the methods provided by CookieTrait.
Private	app\framework\Component\Database\Medoo | Null	$DB	Contains the Database instance

2.6.1.5 Constructor

Name			**Description**
Public	Void	__construct()	

2.6.1.6 Functions

Name			**Description**
Protected	Model throws Exception	DB ($dbName = null)	
Protected	Mixed throws Exception	select ($columns = null,	Select data from database

		$where = null, $table = null)	
Protected	Mixed throws Exception	insert ($data, $table = null)	Insert new records in table
Protected	Mixed throws Exception	update ($data, $table = null, $where = null)	Modify data in table
Protected	Mixed throws Exception	delete ($where, $table = null)	Delete data from table
Protected	Mixed throws Exception	replace ($column, $search, $replace, $table = null, $where = null)	Replace old data into new one
Protected	Mixed throws Exception	get ($columns, $where, $table = null)	Get only one record from table
Protected	Mixed throws Exception	count ($where, $table = null)	Counts the number of rows
Protected	Mixed throws Exception	max ($column, $where, $table = null)	Get the maximum value for the column
Protected	Mixed throws Exception	min ($column, $where, $table = null	Get the minimum value for the column

		)	
Protected	Mixed throws Exception	avg ($column, $where, $table = null)	Get the average value for the column
Protected	Mixed throws Exception	sum ($column, $where, $table = null)	Get the total value for the column

2.6.1.6 References

Component	Model
Namespace	app\framework\http\Model

2.7 Route

Third-Party Framework

2.8 StdLib

2.8.1 SingeltonTrait

2.8.1.1 Syntax

trait SingletonTrait

2.8.1.2 Remark

SingletonTrait is a helper, once implemented on a class, automatically adds the singleton pattern to that class.

2.8.1.3 Variables

Name			Description
Protected Static		$wfInstance	

2.8.1.4 Constructor

Name			Description
Final Private	Void	__construct()	The constructor is set to private to prevent creating new instances. If you want to fire a function after the singleton instance is created, just implement 'init' method into your

			class.

2.8.1.5 Functions

Name			Description
Final Public Static	Void	deleteInstance()	Deletes the current singleton instance.
Final Public Static	$this	getInstance()	Return the current instance. If instance doesn't exist, a new instance will be created.
Protected	Void	init()	Override this if you wish to do some stuff once the singleton instance has been created.

2.8.1.6 Override

Name			Description
Final Private	Void	__wakeup()	Declare it as private.
Final Private	Void	__clone()	Declare it as private.

2.8.2 StdLibTrait

2.8.2.1 Syntax

trait StdLibTrait

2.8.2.2 Remarks

Standard Library Trait.
Some useful functions.

2.8.2.3 Aliasing

app\framework\Component\StdLib\StdObject\StdObjectTrait	StdObjectTrait
app\framework\Component\StdLib	ValidatorTrait

2.8.2.4 Functions

Name			Description
Protected Static	String	serialize ($value)	Serializes the given value.
Protected Static	Array | Mixed	unserialize ($string)	Unserializes the given string and returns the array.

2.8.2.5 References

Components	StdLib
Namespaces	app\framework\Component\StdLib

2.8.3 ValidatorTrait

2.8.3.1 Syntax

trait ValidatorTrait

2.8.3.2 Remarks

Trait contains common validators

2.8.3.3 Functions

Name			Description
Protected Static	Boolean	is ($var)	
Protected Static	Boolean	isNull ($var)	Checks if given value is null.
Protected Static	Boolean	isEmpty ($var)	Checks if given value is empty.
Protected Static	Boolean	isObject ($var)	Check if given value is an object.
Protected Static	Boolean	isScalar ($var)	Check if given value is a scalar value. * Scalar values are: integer, float, boolean and string
Protected Static	Boolean	isResource ($var)	Check if given value is a resource.
Protected Static	Boolean	isArray ($var)	Checks if given value is an array.
Protected Static	Boolean	isNumber ($var	Checks if value is a number.

		)	
Protected Static	Boolean	isInteger ($var)	Checks if value is an integer.
Protected Static	Boolean	isCallable ($var)	Checks whenever resource is callable.
Protected Static	Boolean	isString ($var)	Checks if $var is type of string.
Protected Static	Boolean	isBool ($var)	Checks if $var is type of boolean.
Protected Static	Boolean	isBoolean ($var)	This is an alias function for self::isBool
Protected Static	Boolean	isFile ($var)	Checks if $var is a file.
Protected Static	Boolean	isReadable ($var)	Checks if $var is readable.
Protected Static	Boolean	isDirectory ($var)	Checks if $var is a directory.
Protected Static	Boolean	isInstanceOf ($instance, $type)	Check if $instance is of $type.
Protected Static	Boolean	isSerialized ($value, &$result = null)	Checks if a string is serialized using quick string manipulation * to throw out obviously incorrect strings. Unserialize is then run * on the string to perform the final verification.
Protected Static	Boolean	isSubClassOf (	Check if $subclass is a subclass of $class.

		$subclass, $class)	
Protected Static	Boolean	isStringObject ($instance)	Check if $instance is a StringObject.
Protected Static	Boolean	isDateTimeObject ($instance)	Check if $instance is a DateTimeObject.
Protected Static	Boolean	isFileObject ($instance)	Check if $instance is a FileObject.
Protected Static	Boolean	isArrayObject ($instance)	Check if $instance is an ArrayObject.
Protected Static	Boolean	isUrlObject ($instance)	Check if $instance is a UrlObject.

2.8.3.4 References

Components	StdLib
Namespace	app\framework\Component\StdLib

2.8.4 AbstractException

2.8.4.1 Syntax

abstract class AbstractException extends \Exception

2.8.4.2 Aliasing

app\framework\Component\StdLib\ValidatorTrait	ValidatorTrait

2.8.4.3 Constants

Name		**Value**	**Description**
Public	MSG_BAD_FUNC_CALL	1	Bad function call
Public	MSG_BAD_METHOD_CALL	2	Bad method call.
Public	MSG_INVALID_AR	3	Invalid argument provided. %s

	G		must be type of %s.
Public	MSG_INVALID_ARG_LENGTH	4	Invalid argument provided. %s must be %s.
Public	MSG_ARG_OUT_OF_RANGE	5	Defined value for %s argument if out of the valid range.

2.8.4.4 Variables

Name			Description
Private Static	Array	$coreMessages	Built-in exception messages. Built-in codes range from 1-100 so make sure you custom codes are out of that range.

2.8.4.5 Constructor

Name			Description
		__construct ($message, $params = null)	

2.8.4.6 References

Components	StdLib
Namespace	app\framework\Component\StdLib\Exception

2.8.5 Exception

2.8.13.1 ManipulatorTrait

2.8.13.2 UrlObject

2.8.13.3 UrlObjectException

2.9 StopWatch

2.9.1 Section

2.9.1.1 Syntax

class Section

2.9.1.2 Remarks

Stopwatch section.

2.9.1.3 Aliasing

app\framework\Component\StdLib\StdLibTrait	StdLibTrait

2.9.1.4 Variables

Name			Description
Private	StopwatchEvent Array	$events	
Private	Null | Float	$origin	
Private	String	$id	
Private	Section Array	$children	

2.9.1.5 Functions

Name			Description
Public	Section | Null	get ($id)	Returns the child section.
Public	Section	open ($id)	Creates or re-opens a child section.
Public	StopwatchEvent	startEvent ($name, $category)	Starts an event.
Public	Bool	isEventStarted (	Checks if the event was started.

		$name)	
Public	StopwatchEvent throws LogicException	stopEvent ($name)	Stops an event.
Public	StopwatchEvent throws LogicException	lap ($name)	Stops then restarts an event.
Public			

2.9.1.6 Constructor

Name			Description
Public	Void	__construct ($origin = null)	Constructor.

2.9.1.7 Getter

Name			Description
Public	String	getId()	Constructor.
Public	StopwatchEvent throws LogicException	getEvent ($name)	Returns a specific event by name.
Public	StopwatchEvent Array	getEvents()	Returns the events from this section.

2.9.1.8 Setter

Name			Description
Public	Section	setId ($id)	Sets the session identifier.

2.9.1.9 References

Component	Stopwatch
Namespace	app\framework\Component\Stopwatch

2.9.2 StopWatch

2.9.2.1 Syntax

class Stopwatch

2.9.2.2 Remarks

Stopwatch provides a way to profile code.

2.9.2.3 Variables

Name			Description
Private	Section Array	$sections	
Private	Section Array	$activeSections	

2.9.2.5 Functions

Name			Description
Public	throws LogicException	openSection ($id = null)	Creates a new section or re-opens an existing section.
Public	throws LogicException	stopSection ($id)	Stops the last started section. The id parameter is used to retrieve the events from this section.
Public	StopwatchEvent	start ($name, $category = null)	Starts an event.
Public	Bool	isStarted ($name)	Checks if the event was started.
Public	StopwatchEvent	stop ($name)	Stops an event.
Public	StopwatchEvent	lap ($name)	Stops then restarts an event.

2.9.2.6 Constructor

Name	Description

Public		__construct()	

2.9.2.7 Getter

Name			Description
Public	Section Array	getSections()	
Public	StopwatchEvent	getEvent ($name)	Returns a specific event by name.
Public	StopwatchEvent Array	getSectionEvents ($id)	Gets all events for a given section.

2.9.2.8 References

Component	Stopwatch
Namespace	app\framework\Component\Stopwatch

2.9.3 StopWatchEvent

2.9.3.1 Syntax

class StopwatchEvent

2.9.3.2 Remarks

Represents an Event managed by Stopwatch.

2.9.3.3 Aliasing

app\framework\Component\StdLib\StdLibTrait	StdLibTrait

2.9.3.4 Variables

Name			Description
Private	StopwatchPeriod Array	$periods	
Private	Float	$origin	
Private	String	$category	
Private	Float Array	$started	

2.9.3.5 Functions

Name			Description
Public	StopwatchEvent	start()	Starts a new event period.

Public	StopwatchEvent throws LogicException	stop()	Stops the last started event period.
Public	Bool	isStarted()	Checks if the event was started.
Public	StopwatchEvent	lap()	Stops the current period and then starts a new one.
Public	Void	ensureStopped()	Stops all non already stopped periods.
Public	Integer	getStartTime()	Gets the relative time of the start of the first period.
Public	Integer	getEndTime()	Gets the relative time of the end of the last period.
Public	Integer	getDuration()	Gets the duration of the events (including all periods).
Public	Integer	getMemory()	Gets the max memory usage of all periods.
Public	Float	getNow()	Return the current time relative to origin.
Public	Float throws InvalidArgumentException	formatTime ($time)	Formats a time.
Public	String	__toString()	

2.9.3.6 Constructor

Name			Description
Public	Void throws InvalidArgumentException	__construct ($origin, $category = null)	Constructor.

2.9.3.7 Getter

Name			Description
Public	String	getCategory()	Gets the category.
Public	Float	getOrigin()	Gets the origin.
Public	StopwatchPeriod Array	getPeriods()	Gets all event periods.

2.9.3.8 References

Component	Stopwatch
Namespace	app\framework\Component\Stopwatch

2.9.4 StopWatchPeriod

2.9.4.1 Syntax

class StopwatchPeriod

2.9.4.2 Remarks

Represents an Period for an Event.

2.9.4.3 Variables

Name			**Description**
Private		$start	
Private		$end	
Private		$memory	

2.9.4.4 Functions

Name			**Description**
Public	Integer	getDuration()	Gets the time spent in this period.

2.9.4.5 Constructor

Name			**Description**
Public	Void	__construct ($start, $end)	Constructor.

2.9.4.6 Getter

Name			**Description**
Public	Integer	getEndTime()	Gets the relative time of the end of the period.
Public	Integer	getMemory()	Gets the memory usage.
Public	Integer	getStartTime()	Gets the relative time of the start of the period.

2.9.4.7 References

Component	Stopwatch
Namespace	app\framework\Component\Stopwatch

2.10 Storage

2.10.1 Storage

2.10.1.1 Syntax

class Storage

2.10.1.2 Remarks

Storage class handles file storage through different storage drivers.

2.10.1.3 Variables

Name			Description
Private	Disk	$disk	Contains Disk Instance

2.10.1.4 Constructors

Name			Description
Public	Void	__constructor (String $diskName)	

2.10.1.5 Functions

Name			Description
Public	Bool	keyExists ($key)	
Public	LocalSorageDriver	getDriver()	
Public	Disk	getDisk()	
Public	Mixed	getURL (String $key)	
Public	String | Boolean	getContents (String $key)	Reads the contents of the file
Public	Boolean | Integer	setContents (String $key, String $contents, Boolean $append)	Writes the given contents into the file
Public	Array	getKeys (	Returns an array of all keys (files and directories)

		String $key, Boolean|Integer $recursive)	
Public	UNIX Timestamp | DateTimeObject	getTimeModified (String $key, Boolean $asDateTimeObject)	
Public	Boolean	deleteKey (String $key)	Deletes the file
Public	Boolean	renameKey (String $sourceKey, String $targetKey)	Renames a file
Public	Boolean Throws StorageException	isDirectory (String $key)	Check if key is a directory. Requires DirectoryAwareInterface to be implemented by a Driver class. !!!Not yet Implemented!!!
Public	Mixed Throws StorageException	touchKey (String $key)	Touch a file (change time modified). Requires TouchableInterface to be implemented by a Driver class
Public	Integer | Boolean Throws StorageException	getSize (String $key)	Get file size. SizeAwareInterface to be implemented by a Driver class
Public	Mixed Throws StorageException	getAbsolutePath (String $key)	Get absolute file path. AbsolutePathInterface to be implemented by a Driver class
Public	Null | String	getRecentKey()	
Public	Mixed	supportsDirectories()	Can this storage handle directories?
Public	Mixed	supportsTouching()	Can this storage touch a file?
Public	Mixed	supportsTouching()	Can this storage touch a file?
Public	Mixed	supportsAbsolutePaths()	Can this storage handle absolute paths?
Public	Mixed	supportsSize()	Can this storage get file size info?

2.10.1.6 References

Component	Storage
Namespace	app\framework\Component\Storage

2.10.2 StorageEvent

2.10.2.1 Syntax

class StorageEvent extends Event

2.10.2.2 Remarks

Class StorageEvent

2.10.2.3 Aliasing

app\framework\Component\EventManager\Event	Event
app\framework\Component\Storage\File\File	File

2.10.2.4 Constants

Name		**Value**	**Description**
Public	FILE_RENAMED	"ff.storage.file_renamed"	This event is fired after a file was renamed, it also sets a property `oldKey` into the event object. You can use it if you need to know what file was renamed.
Public	FILE_SAVED	"ff.storage.file_saved"	This event is fired after the file content was written to storage.
Public	FILE_DELETED	"ff.storage.file_deleted"	This event is fired after the file was deleted from the storage.

2.10.2.5 Variables

Name			**Description**
Protected	File	$file	
protected	Storage	$storage	

2.10.2.6 Constructor

Name			**Description**
Public	Void	__construct (File $file)	

2.10.2.7 Getter

Name			Description
Public	File	getFile()	Get working file
Public	Storage	getStorage()	

2.10.2.8 References

Component	Storage
Namespace	app\framework\Component\Storage

2.10.3 StorageException

2.10.3.1 Syntax

class StorageException extends AbstractException

2.10.3.2 Constants

Name		Value	Description
Public	FILE_NOT_FOUND	101	
Public	FAILED_TO_READ	102	
Public	DRIVER_DOES_NOT_SUPPORT_TOUCH	103	
Public	DRIVER_CAN_NOT_ACCESS_SIZE	104	
Public	DRIVER_CAN_NOT_WORK_WITH_DIRECTORIES	105	
Public	DRIVER_DOES_NOT_SUPPORT_ABSOLUTE_PATHS	106	
Public	FILE_OBJECT_CAN_NOT_READ_DIRECTORY_PATHS	107	
Public	DIRECTORY_DOES_NOT_EXIST	108	
Public	DIRECTORY_COULD_NOT_BE_CREATED	109	
Public	DIRECTORY_OBJECT_CAN_NOT_READ_FILE_PATHS	110	
Public	PATH_IS_OUT_OF_STORAGE_ROOT	111	
Public	DISK_NOT_FOUND	112	

2.10.3.3 Variables

Name			Description
Protected Static	Array	$messages	Contains error messages

2.10.3.4 References

Component	Storage
Namespace	app\framework\Component\Storage

2.10.4 StorageTrait

2.10.4.1 Syntax

trait StorageTrait

2.10.4.2 Remarks

A library of Storage functions

2.10.4.3 Functions

Name			Description
Protected Static	Storage throws StorageException	storage ($storageName)	Get storage

2.10.4.4 References

Component	Storage
Namespace	app\framework\Component\Storage

2.11 TemplateEngine

2.12 Validation

2.13 View