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No public properties found

[PROPERTIES_TO_SNAKE_CASE](#)

[getSerializableProperties\(\)](#)

[getSerializableValues\(\)](#)

[toSnakeCase\(\)](#)

[\\$stdout](#)

[\\$stderr](#)

N/A

No private methods found

No private properties found

N/A

File

[CommandErrorInfoItem.php](#)

Package

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Tags

None found

Constants

PROPERTIES_TO_SNAKE_CASE

PROPERTIES_TO_SNAKE_CASE

Inherited from

[\Healthsvc\SerializableData](#)

Tags

None found

Properties

\$stdout

\$stdout :

Type

Inherited from

[\Healthsvc\CommandInfoItem](#)

Tags

None found

\$stderr

\$stderr :

Type

Tags

None found

Methods

getStdout()

getStdout()

Inherited from

[\Healthsvc\CommandInfoItem](#)

Tags

None found

__construct()

`__construct(\Healthsvc\string $stdout, \Healthsvc\string $stderr)`

Parameters

`\Healthsvc\string $stdout`

`\Healthsvc\string $stderr`

Tags

None found

jsonSerialize()

`jsonSerialize()`

Part of the `JsonSerializable` interface

Inherited from

[\Healthsvc\SerializableData](#)

See also

[\JsonSerializable](#)

Tags

None found

toSerializedArray()

`toSerializedArray()`

Inherited from

[\Healthsvc\SerializableData](#)

Tags

None found

toArray()

`toArray()` : array

Provides an assoc array corresponding to this response data item

Returns

array

Inherited from

[\Healthsvc\SerializableData](#)

Tags

None found

getStderr()

`getStderr()`

Tags

None found

`getSerializableProperties()`

getSerializableProperties()

getSerializableProperties()

Inherited from

[\Healthsvc\SerializableData](#)

Tags

None found

getSerializableValues()

getSerializableValues()

Inherited from

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Tags

None found

toSnakeCase()

toSnakeCase(\Healthsvc\string \$input)

Parameters

\Healthsvc\string \$input

static final

Inherited from

[\Healthsvc\SerializableData](#)

Tags

None found



CommandErrorInfoltem.php

```
<?php
namespace Healthsvc;

class CommandErrorInfoltem extends CommandInfoltem {
    protected $stderr;

    public function getStderr() : array {
        return $this->stderr;
    }

    public function __construct(string $stdout,string $stderr) {
        parent::__construct($stdout);
        $this->stderr = explode("\n",trim($stderr));
    }
}
```

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[\\$stdout](#)

N/A

No private methods found

No private properties found

N/A

File

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Tags

None found

Constants

PROPERTIES_TO_SNAKE_CASE

PROPERTIES_TO_SNAKE_CASE

Inherited from

[\Healthsvc\SerializableData](#)

Tags

None found

Properties

\$stdout

\$stdout :

Type

Tags

None found

Methods

jsonSerialize()

jsonSerialize()

Part of the JsonSerializerable interface

Inherited from

[\Healthsvc\SerializableData](#)

See also

[\JsonSerializable](#)

Tags

None found

toSerializedArray()

toSerializedArray()

Inherited from

[\Healthsvc\SerializableData](#)

Tags

None found

toArrav()

toArray()

toArray() : array

Provides an assoc array corresponding to this response data item

Returns

array

Inherited from

[\Healthsvc\SerializableData](#)

Tags

None found

getStdout()

getStdout()

Tags

None found

__construct()

__construct(\Healthsvc\string \$stdout)

Parameters

\Healthsvc\string \$stdout

Tags

None found

getSerializableProperties()

getSerializableProperties()

Inherited from

[\Healthsvc\SerializableData](#)

Tags

None found

getSerializableValues()

getSerializableValues()

Inherited from

[\Healthsvc\SerializableData](#)

Tags

None found

toSnakeCase()

toSnakeCase(\Healthsvc\string \$input)

Parameters

\Healthsvc\string \$input

static final

Inherited from

[\Healthsvc\SerializableData](#)

Tags

None found



CommandInfoltem.php

```
<?php
namespace Healthsvc;

class CommandInfoltem extends Infoltem {
    protected $stdout;

    public function getStdout() : array {
        return $this->stdout;
    }

    public function __construct(string $stdout) {
        if (empty($stdout)) {
            $this->stdout = [];
            return;
        }
        $this->stdout = explode("\n", trim($stdout));
    }
}
```

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\HealthsvcConfigController

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[__construct\(\)](#)

No public properties found

No constants found

[getConfigVal\(\)](#)

No protected properties found

N/A

No private methods found

[\\$config](#)

N/A

abstract

File

[ConfigController.php](#)

Package

Default

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\Healthsvc\ConfigController

Tags

None found

Properties

\$config

\$config : array

Type

array

Tags

private

Methods

__construct()

__construct(array \$config = null)

Parameters

array \$config

final

Tags

None found

getConfigVal()

getConfigVal(\Healthsvc\string \$key)

Parameters

\Healthsvc\string \$key

Tags

None found



ConfigController.php

```
<?php
namespace Healthsvc;

abstract class ConfigController {

    /**
     * @var array
     * @private
     */
    private $config;

    protected function getConfigVal(string $key) {
        if (!isset($this->config[$key])) return;
        return $this->config[$key];
    }

    final public function __construct(array $config=null) {
        $config===null && $config = [];
        $this->config = $config;
    }
}
```

}

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\HealthsvcConfigFileReaderTrait

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No public methods found

No public properties found

No constants found

[getConfig\(\)](#)

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No protected properties found

N/A

No private methods found

[\\$config](#)

N/A

File

[ConfigFileReaderTrait.php](#)

Package

Default

Class hierarchy

\Healthsvc\ConfigFileReaderTrait

Tags

None found

Properties

\$config

\$config :

Type

Tags

None found

Methods

getConfig()

getConfig()

File

[ConfigFileReaderTrait.php](#)

Tags

None found

setConfigFile()

setConfigFile(\Healthsvc\string \$config_file = null)

Parameters

\Healthsvc\string \$config_file

File

[ConfigFileReaderTrait.php](#)

Tags

None found



ConfigFileReaderTrait.php

```
<?php
namespace Healthsvc;

trait ConfigFileReaderTrait {
    private $config = [];
    protected function getConfig() : array {
        return $this->config;
    }
    protected function setConfigFile(string $config_file=null) {
        if (is_file($config_file) && (is_array($config = require $config_file))) {
            $this->config = $config;
        }
    }
}
```

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[\\$message](#)

N/A

No private methods found

No private properties found

N/A

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Tags

None found

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PROPERTIES_TO_SNAKE_CASE

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Tags

None found

Properties

\$message

\$message :

Type

Tags

None found

Methods

jsonSerialize()

jsonSerialize()

Part of the JsonSerializerable interface

Inherited from

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See also

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Tags

None found

toSerializedArray()

toSerializedArray()

Inherited from

[\Healthsvc\SerializableData](#)

Tags

None found

toArrav()

----->v

toArray() : array

Provides an assoc array corresponding to this response data item

Returns

array

Inherited from
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Tags

None found

getMessage()

getMessage()

Tags

None found

__construct()

__construct(\Healthsvc\string \$message)

Parameters

\Healthsvc\string \$message

Tags

None found

getSerializableProperties()

getSerializableProperties()

Inherited from
[\Healthsvc\SerializableData](#)

Tags

None found

getSerializableValues()

getSerializableValues()

Inherited from
[\Healthsvc\SerializableData](#)

Tags

None found

toSnakeCase()

toSnakeCase(\Healthsvc\string \$input)

Parameters

\Healthsvc\string \$input

static final

Inherited from

[\Healthsvc\SerializableData](#)

Tags

None found



ErrorInfoltem.php

```
<?php
namespace Healthsvc;

class ErrorInfoltem extends Infoltem {
    protected $message;
    public function getMessage(): string {
        return $this->message;
    }

    public function __construct(string $message) {
        $this->message = $message;
    }
}
```

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[getBinDir\(\)](#)

[__construct\(\)](#)

No public properties found

No constants found

No protected methods found

No protected properties found

N/A

No private methods found

[\\$binDir](#)

N/A

File

[HostSanityBinDirNotExistException.php](#)

Package

Default

Class hierarchy

\RuntimeException

\Healthsvc\HostSanityBinDirNotExistException

Tags

None found

Properties

\$binDir

\$binDir :

Type

Tags

None found

Methods

getBinDir()

getBinDir()

Tags

None found

__construct()

__construct(\Healthsvc\string \$bin_dir)

Parameters

\Healthsvc\string \$bin_dir

Tags

None found



HostSanityBinDirNotExistException.php

```
<?php
namespace Healthsvc;

use RuntimeException;

class HostSanityBinDirNotExistException extends RuntimeException {
    public function getBinDir() : string {
        return $this->binDir;
    }
    private $binDir;
    public function __construct(string $bin_dir) {
        $this->binDir = $bin_dir;
        parent::__construct("bin_dir does not exist: $bin_dir");
    }
}
```

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[__construct\(\)](#)

[getExec\(\)](#)

[getWarnExitStatus\(\)](#)

[getBin\(\)](#)

[getBinDir\(\)](#)

No public properties found

[DEFAULT_BIN_DIR](#)

[getConfigVal\(\)](#)

No protected properties found

N/A

No private methods found

[\\$config](#)

N/A

File

[HostSanityConfig.php](#)

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Default

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[\Healthsvc\ConfigController](#)
\Healthsvc\HostSanityConfig

Tags

None found

Constants

DEFAULT_BIN_DIR

DEFAULT_BIN_DIR

Tags

None found

Properties

\$config

\$config : array

Type

array

Inherited from

[\Healthsvc\ConfigController](#)

Tags

private

Methods

__construct()

__construct(array \$config = null)

Parameters

array \$config

final

Inherited from

[\Healthsvc\ConfigController](#)

Tags

None found

getExec()

getExec()

Tags

None found

getWarnExitStatus()

getWarnExitStatus()

Tags

None found

getBin()

getBin()

Tags

None found

getBinDir()

getBinDir()

Tags

None found

getConfigVal()

getConfigVal(\Healthsvc\string \$key)

Parameters

\Healthsvc\string \$key

Inherited from
[\Healthsvc\ConfigController](#)

Tags

None found



HostSanityConfig.php

```
<?php
namespace Healthsvc;

class HostSanityConfig extends ConfigController {

    const DEFAULT_BIN_DIR = __DIR__.'../../bin/host-sanity';

    public function getExec() : array {
        if (!is_array($exec = $this->getConfigVal('exec'))) {
            return [];
        }
        return $exec;
    }

    public function getWarnExitStatus() : array {
        if (!is_array($warnExitStatus = $this->getConfigVal('warn-exit-status'))) {
            return [];
        }
        return $warnExitStatus;
    }

    public function getBin() : array {
        if (!is_array($bin = $this->getConfigVal('bin'))) {
            return [];
        }
        return $bin;
    }

    public function getBinDir() : string {
        if (!is_string($binDir = $this->getConfigVal('bin_dir'))) {
            return static::DEFAULT_BIN_DIR;
        }
    }
}
```

```
}  
return $binDir;  
}  
  
}
```

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No constants found

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No protected properties found

N/A

No private methods found

[\\$statusData](#)

N/A

File

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Package

Default

Class hierarchy

\Healthsvc\HostSanityController

Tags

None found

Properties

\$statusData

\$statusData : \Healthsvc\HostSanityStatusData

Type

[\Healthsvc\HostSanityStatusData](#)

Tags

private

Methods

getStatusData()

getStatusData() : \Healthsvc\HostSanityStatusData

Returns

[\Healthsvc\HostSanityStatusData](#)

Tags

None found

__construct()

__construct(array \$exec, array \$warn_exit_status, array \$bin, \Healthsvc\string \$bin_dir)

Parameters

array	\$exec
array	\$warn_exit_status
array	\$bin
\Healthsvc\string	\$bin_dir

Tags

None found

exec()

exec(\Healthsvc\string \$cmd, \$stdout = "", \$stderr = "")

Parameters

\Healthsvc\string	\$cmd
	\$stdout
	\$stderr

static final

Tags

None found



HostSanityController.php

```
<?php
namespace Healthsvc;

class HostSanityController {

    final protected static function exec(string $cmd, &$stdout="", &$stderr="") :int {
        $pipes = null;
        $proc = proc_open($cmd,[
            0 => ["pipe", "r"],
            1 => ["pipe",'w'],
            2 => ["pipe",'w'],
        ],$pipes);

        if (!is_resource($proc)) return 255;

        fclose($pipes[0]);

        $status = proc_get_status($proc);
        while ($status["running"]) {
            usleep(10000);
            $status = proc_get_status($proc);
        }

        $stdout = stream_get_contents($pipes[1]);
        fclose($pipes[1]);

        $stderr = stream_get_contents($pipes[2]);
        fclose($pipes[2]);

        return $status['exitcode'];
    }

    /**
     * @var \Healthsvc\HostSanityStatusData
     * @private
     */
    private $statusData;

    /**
     * @return \Healthsvc\HostSanityStatusData
     */
    public function getStatusData() : HostSanityStatusData {
        return $this->statusData;
    }

    public function __construct(array $exec,array $warn_exit_status,array $bin,string $bin_dir) {

        $this->statusData = new HostSanityStatusData(0,null,gethostname());

        if (count($bin)) {
            if (!is_dir($bin_dir)) {
                throw new HostSanityBinDirNotExistException($bin_dir);
            }
            $bin_dir = realpath($bin_dir);
            array_walk($bin, function($cmd,$label) use(&$exec,$bin_dir)
            {
                $exec[$label] = "$bin_dir/$cmd";
            });
        }

        array_walk($exec,function($cmd,$label) {

            $stderr = $stdout = null;
            $status = static::exec($cmd,$stdout,$stderr);
            if ($status===0) {
                $info=null;
                if (!empty($stdout) && empty($stderr)) {
                    //[$info['stdout']]=explode("\n",trim($stdout));
                    $info = new CommandInfoItem($stdout);
                } else if (!empty($stderr)){
                    $info = new CommandErrorInfoItem($stdout,$stderr);
                }
                $this->statusData->setHealthSuccess($label,$info);
            } else {
                $this->statusData->setExecExitStatus($label,$status);
                if (!empty($stdout) && empty($stderr)) {
                    $info = new CommandInfoItem($stdout);
                } else if (!empty($stderr)){
                    $info = new CommandErrorInfoItem($stdout,$stderr);
                } else {
                    $info = new ErrorInfoItem("test failed with exit status $status");
                }
                $this->statusData->setHealthFailure($label,$info);
            }
        });
    }
}
```

```

    }
});

array_walk($warn_exit_status,function($status,$label) {
    if (!$this->statusData->hasHealthFailure($label)) return;
    if (!$this->statusData->hasExecExitStatus($label)) return;
    $exitStatus = $this->statusData->getExecExitStatus()[$label];

    if ( (is_scalar($status) && ($exitStatus=== $status)) ||
        (is_array($status) && in_array($exitStatus,$status,true)) ) {
        $this->statusData->moveHealthFailureToWarn($label);
    }
});
}
}

```

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N/A

No private methods found

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[\\$requestQuery](#)

[\\$requestBody](#)

[\\$contentType](#)

[\\$requestData](#)

N/A

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\Healthsvc\HostSanityRequest

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None found

Constants

ALLOWED_METHODS

ALLOWED_METHODS

Tags

None found

Properties

\$requestMethod

\$requestMethod :

Type

Inherited from

[\Healthsvc\Request](#)

Tags

None found

\$requestQuery

\$requestQuery :

Type

Inherited from

[\Healthsvc\Request](#)

Tags

None found

\$requestBody

\$requestBody :

Type

Inherited from

[\Healthsvc\RequestBodyParserTrait](#)

Tags

None found

\$contentType

\$contentType :

Type

Inherited from

[\Healthsvc\RequestBodyParserTrait](#)

Tags

None found

\$requestData

\$requestData :

Type

Inherited from
[\Healthsvc\RequestBodyParserTrait](#)

Tags

None found

Methods

isRequestMethodAllowed()

isRequestMethodAllowed()

Tags

None found

getRequestQuery()

getRequestQuery()

Inherited from
[\Healthsvc\Request](#)

Tags

None found

getRequestMethod()

getRequestMethod()

Inherited from
[\Healthsvc\Request](#)

Tags

None found

__construct()

__construct(\Healthsvc\string \$request_method = null, array \$request_query = null, \Healthsvc\string \$request_body = null, \Healthsvc\string \$content_type = null)

Parameters

\Healthsvc\string \$request_method
array \$request_query
\Healthsvc\string \$request_body
\Healthsvc\string \$content_type

Throws

\Healthsvc\RequestMethodNotAllowedException

Inherited from
[\Healthsvc\Request](#)

Tags

None found

getRequestBody()

getRequestBody()

Inherited from
[\Healthsvc\RequestBodyParserTrait](#)

Tags

None found

getContentType()

getContentType()

Inherited from
[\Healthsvc\RequestBodyParserTrait](#)

Tags

None found

getRequestData()

getRequestData()

Inherited from
[\Healthsvc\RequestBodyParserTrait](#)

Tags

None found

setRequestBody()

setRequestBody(\Healthsvc|string \$request_body = null, \Healthsvc|string \$content_type = null)

Parameters

\Healthsvc|string \$request_body
\Healthsvc|string \$content_type

Inherited from
[\Healthsvc\RequestBodyParserTrait](#)

Tags

None found



HostSanityRequest.php

```
<?php
namespace Healthsvc;

class HostSanityRequest extends Request {
    const ALLOWED_METHODS = ['GET'];
    public function isRequestMethodAllowed() : bool {
        return in_array($this->getRequestMethod(),static::ALLOWED_METHODS);
    }
}
```

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No protected properties found

N/A

No private methods found

[\\$config](#)

[\\$requestMethod](#)

[\\$requestQuery](#)

[\\$requestBody](#)

[\\$contentType](#)

N/A

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Tags

None found

Properties

\$config

\$config : \Healthsvc\HostSanityConfig

Type

Tags

None found

\$requestMethod

\$requestMethod :

Type

Tags

None found

\$requestQuery

\$requestQuery :

Type

Tags

None found

\$requestBody

\$requestBody :

Type

Tags

None found

\$contentType

\$contentType :

Type

Tags

None found

Methods

__construct()

__construct(\Healthsvc\string \$config_file = null, \Healthsvc\string \$request_method = null, array \$request_query = null, \Healthsvc\string \$request_body = null, \Healthsvc\string \$content_type = null)

Parameters

\Healthsvc\string \$config_file
\Healthsvc\string \$request_method
array \$request_query
\Healthsvc\string \$request_body
\Healthsvc\string \$content_type

Tags

None found

getRequest()

getRequest()

Throws

\Healthsvc\RequestMethodNotAllowedException

Tags

None found

getResponse()

getResponse()

Throws

\Healthsvc\RequestMethodNotAllowedException

Tags

None found

printResponseBody()

printResponseBody(\Healthsvc\bool \$send_headers = true)

Parameters

\Healthsvc\bool \$send_headers

Tags

None found

getConfig()

getConfig()

Inherited from

[\Healthsvc\ConfigFileReaderTrait](#)

Tags

None found

setConfigFile()

setConfigFile(\Healthsvc\string \$config_file = null)

Parameters

\Healthsvc\string \$config_file

Inherited from

[\Healthsvc\ConfigFileReaderTrait](#)

Tags

None found



HostSanityRequestResponseController.php

```
<?php
namespace Healthsvc;

class HostSanityRequestResponseController extends RequestResponseController {

    /**
     * @var \Healthsvc\HostSanityConfig
     */
    private $config;

    /**
     * @throws \Healthsvc\RequestMethodNotAllowedException
     */
    public function getRequest(): Request {
        return new HostSanityRequest($this->requestMethod,$this->requestQuery,$this->requestBody,$this->contentType);
    }

    /**
     * @throws \Healthsvc\RequestMethodNotAllowedException
     */
    public function getResponse(): Response {
        $this->getRequest();
        $controller = new HostSanityController(
            $this->config->getExec(),
            $this->config->getWarnExitStatus(),
            $this->config->getBin(),
            $this->config->getBinDir());
        return new HostSanityResponse($controller->getStatusData());
    }

    public function printResponseBody(bool $send_headers=true) : void {
        try {
            $response = $this->getResponse();
            $response->printResponseBody($send_headers);
        } catch (ResponseException $e) {
            $e->printResponseBody($send_headers);
        }
    }

    private $requestMethod;
    private $requestQuery;
    private $requestBody;
    private $contentType;

    public function __construct(string $config_file=null,string $request_method=null,array $request_query=null,string $request_body=null,string $content_type=null) {

        $this->requestMethod = $request_method;
```



```
$this->requestQuery = $request_query;  
$this->requestBody = $request_body;  
$this->contentType = $content_type;  
  
parent::__construct($config_file);  
  
$this->config = new HostSanityConfig($this->getConfig());  
  
}  
}
```

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[setResponseBody\(\)](#)

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No protected properties found

N/A

No private methods found

[\\$hasResponseData](#)

[\\$responseData](#)
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N/A

File
[HostSanityResponse.php](#)

Package
Default

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Tags

None found

Constants

JSON_CONTENT_TYPE

JSON_CONTENT_TYPE

Inherited from
[\Healthsvc\Response](#)

Tags

None found

RESPONSE_CODE_HAS_WARN_NO_FAILURE

RESPONSE_CODE_HAS_WARN_NO_FAILURE

Tags

None found

RESPONSE_CODE_HAS_FAILURE

RESPONSE_CODE_HAS_FAILURE

Tags

None found

RESPONSE_CODE_HAS_NO_TESTS

RESPONSE_CODE_HAS_NO_TESTS

Tags

None found

RESPONSE_CODE_ALL_SUCCESS

RESPONSE_CODE_ALL_SUCCESS

Tags

None found

Properties

\$hasResponseData

\$hasResponseData : boolean

Type

boolean — true if the response body corresponds to response data, otherwise bool false

Inherited from

[\Healthsvc\Response](#)

Tags

private

\$responseData

\$responseData : array

Type

array — response data corresponding to the response body

Inherited from

[\Healthsvc\Response](#)

Tags

private

\$responseBody

\$responseBody : string

Type

string — response body

Inherited from

[\Healthsvc\Response](#)

Tags

private

\$contentType

\$contentType : string

Type

string — response content type

Inherited from

[\Healthsvc\Response](#)

Tags

private

\$responseCode

\$responseCode : integer

Type

integer — HTTP response code

Inherited from

[\Healthsvc\Response](#)

Tags

private

Methods

getResponseCode()

getResponseCode() : integer

Returns

integer —

HTTP response code

final

Inherited from

[\Healthsvc\Response](#)

Tags

None found

hasResponseData()

hasResponseData() : boolean

Returns

boolean —

true if the response body corresponds to response data, otherwise **bool** false

final

Inherited from

[\Healthsvc\Response](#)

Tags

None found

getResponseData()

getResponseData() : array

Returns

array —

response data corresponding to the response body

final

Inherited from

[\Healthsvc\Response](#)

Tags

None found

getContentType()

getContentType() : string

Returns

string —

response content type

final

Inherited from

[\Healthsvc\Response](#)

Tags

None found

getResponseBody()

getResponseBody() : string

Returns

string —

response body

final

Inherited from

[\Healthsvc\Response](#)

Tags

None found

printResponseBody()

printResponseBody(boolean \$send_headers = true) : void

*Prints the response body. Additionally sends the appropriate HTTP headers unless **\$send_headers** is *<i>>false</i>*.*

Parameters

boolean \$send_headers Optionally set to *false* to suppress sending HTTP headers.

final

Inherited from

[\Healthsvc\Response](#)

Tags

None found

__construct()

__construct(\Healthsvc\HostSanityStatusData \$status)

Parameters

[\Healthsvc\HostSanityStatusData](#) \$status

Tags

None found

setResponseBody()

setResponseBody(\Healthsvc\string \$response_body, \Healthsvc\string \$content_type, \Healthsvc\int \$response_code = 200)

Parameters

\Healthsvc\string \$response_body

\Healthsvc\string \$content_type

\Healthsvc\int \$response_code

final

Inherited from

[\Healthsvc\Response](#)

Tags

None found

setResponseData()

setResponseData(array \$response_data, \Healthsvc\int \$response_code = 200)

Parameters

array \$response_data

\Healthsvc\int \$response_code

final

Inherited from

[\Healthsvc\Response](#)

Tags

None found



HostSanityResponse.php

<?php

namespace Healthsvc;

class HostSanityResponse extends Response {

const RESPONSE_CODE_HAS_WARN_NO_FAILURE = 200;

const RESPONSE_CODE_HAS_FAILURE = 500;

const RESPONSE_CODE_HAS_NO_TESTS = 500;

const RESPONSE_CODE_ALL_SUCCESS = 200;

public function __construct(HostSanityStatusData \$status) {

if (\$status->hasNoTests()) {

\$responseCode = static::RESPONSE_CODE_HAS_NO_TESTS;

} else if (\$status->hasAnyHealthFailure()) {

\$responseCode = static::RESPONSE_CODE_HAS_FAILURE;

} else if (\$status->hasAnyHealthWarn()) {

\$responseCode = static::RESPONSE_CODE_HAS_WARN_NO_FAILURE;

```
} else {  
    $responseCode = static::RESPONSE_CODE_ALL_SUCCESS;  
}  
  
$this->setResponseData($status->toArray(),$responseCode);  
}  
}
```

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N/A
No private methods found
No private properties found
N/A

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None found

Constants

PROPERTIES_TO_SNAKE_CASE

PROPERTIES_TO_SNAKE_CASE

Inherited from
[\Healthsvc\SerializableData](#)

Tags

None found

Properties

\$message

\$message : string

Type

string — response message

Inherited from
[\Healthsvc\StatusData](#)

Tags

private

\$healthStatusTime

\$healthStatusTime : string

Type

string — ISO 8601 timestamp of when health status generated

Inherited from

[\Healthsvc\StatusData](#)

Tags

private

\$healthStatusTtl

\$healthStatusTtl : integer

Type

integer — health status time to live

Inherited from

[\Healthsvc\StatusData](#)

Tags

private

\$healthInfo

\$healthInfo : array<mixed,\Healthsvc\InfoItem>

Type

array<mixed,\Healthsvc\InfoItem> — test info as assoc array of health info items, the element keys are the corresponding test label

Inherited from

[\Healthsvc\StatusData](#)

Tags

private

\$execExitStatus

\$execExitStatus : array<mixed,integer>

Type

array<mixed,integer> — exit status codes as assoc array of exit status codes, the element keys are the corresponding test label

Inherited from

[\Healthsvc\StatusData](#)

Tags

private

\$healthSuccess

\$healthSuccess : array<mixed,string>

Type

array<mixed,string> — array containing the label of every successful test

Inherited from

[\Healthsvc\StatusData](#)

Tags

private

\$healthWarn

\$healthWarn : array<mixed,\Healthsvc\InfoItem>

Type

array<mixed,[\Healthsvc\InfoItem](#)> — health warnings as assoc array of health info items, the element keys are the corresponding test label

Inherited from

[\Healthsvc\StatusData](#)

Tags

private

\$healthFailure

\$healthFailure : array<mixed,\Healthsvc\InfoItem>

Type

array<mixed,[\Healthsvc\InfoItem](#)> — health failures as assoc array of health info items, the element keys are the corresponding test label

Inherited from

[\Healthsvc\StatusData](#)

Tags

private

\$hostname

\$hostname : string

Type

string — string reported hostname

Tags

private

Methods

hasNoTests()

hasNoTests()

Inherited from

[\Healthsvc\StatusData](#)

Tags

None found

hasAnyTest()

hasAnyTest()

Inherited from

[\Healthsvc\StatusData](#)

Tags

None found

getHealthStatusTime()

getHealthStatusTime() : string

Returns

string —

ISO 8601 timestamp of when health status generated

Inherited from

[\Healthsvc\StatusData](#)

Tags

None found

getHealthStatusTtl()

getHealthStatusTtl() : integer

Returns

integer —

health status time to live

Inherited from

[\Healthsvc\StatusData](#)

Tags

None found

getHealthInfo()

getHealthInfo() : array<mixed,\Healthsvc\InfoItem>

Returns

array<mixed,[\Healthsvc\InfoItem](#)> —

test info as assoc array of health info items, the element keys are the correspondong test label

Inherited from

[\Healthsvc\StatusData](#)

Tags

None found

getExecExitStatus()

getExecExitStatus() : array<mixed,integer>

Returns

array<mixed,integer> —

exit status codes as assoc array of exit status codes, the element keys are the corresponding test label

Inherited from

[\Healthsvc\StatusData](#)

Tags

None found

getHealthSuccess()

getHealthSuccess() : array<mixed,string>

Returns

array<mixed,string> —

array containing the label of every successful test

Inherited from

[\Healthsvc\StatusData](#)

Tags

None found

getHealthWarn()

getHealthWarn() : array<mixed,\Healthsvc\InfoItem>

Returns

array<mixed,[\Healthsvc\InfoItem](#)> —

health warnings as assoc array of health info items, the element keys are the corresponding test label

Inherited from

[\Healthsvc\StatusData](#)

Tags

None found

getHealthFailure()

getHealthFailure() : array<mixed,\Healthsvc\InfoItem>

Returns

array<mixed,[\Healthsvc\InfoItem](#)> —

health failures as assoc array of health info items, the element keys are the corresponding test label

Inherited from

[\Healthsvc\StatusData](#)

Tags

None found

getMessage()

getMessage() : string

Returns

string —

response message

Inherited from

[\Healthsvc\StatusData](#)

Tags

None found

setExecExitStatus()

setExecExitStatus(\Healthsvc\string \$label, \Healthsvc\int \$exit_status)

Parameters

\Healthsvc\string \$label

\Healthsvc\int \$exit_status

Inherited from

[\Healthsvc\StatusData](#)

Tags

None found

setHealthFailure()

setHealthFailure(\Healthsvc\string \$label, \Healthsvc\InfolItem \$health_failure)

Parameters

\Healthsvc\string \$label

[\Healthsvc\InfolItem](#) \$health_failure

Inherited from

[\Healthsvc\StatusData](#)

Tags

None found

setHealthWarn()

setHealthWarn(\Healthsvc\string \$label, \Healthsvc\InfolItem \$health_warn)

Parameters

\Healthsvc\string \$label

[\Healthsvc\InfolItem](#) \$health_warn

Inherited from

[\Healthsvc\StatusData](#)

Tags

None found

hasAllHealthSuccess()

hasAllHealthSuccess()

Inherited from
[\Healthsvc\StatusData](#)

Tags

None found

hasAnyHealthFailure()

hasAnyHealthFailure()

Inherited from
[\Healthsvc\StatusData](#)

Tags

None found

hasAnyHealthWarn()

hasAnyHealthWarn()

Inherited from
[\Healthsvc\StatusData](#)

Tags

None found

hasExecExitStatus()

hasExecExitStatus(\Healthsvc\string \$label)

Parameters

\Healthsvc\string \$label

Inherited from
[\Healthsvc\StatusData](#)

Tags

None found

hasHealthFailure()

hasHealthFailure(\Healthsvc\string \$label)

Parameters

\Healthsvc\string \$label

Inherited from
[\Healthsvc\StatusData](#)

Tags

None found

moveHealthFailureToWarn()

moveHealthFailureToWarn(\Healthsvc\string \$label)

Parameters

\Healthsvc\string \$label

Inherited from

[\Healthsvc\StatusData](#)

Tags

None found

setHealthSuccess()

setHealthSuccess(\Healthsvc\string \$label, \Healthsvc\InfoItem \$success_info = null)

Parameters

\Healthsvc\string \$label

[\Healthsvc\InfoItem](#) \$success_info

Inherited from

[\Healthsvc\StatusData](#)

Tags

None found

__construct()

__construct(\Healthsvc\int \$healthStatusTtl, \Healthsvc\string \$healthStatusTime = null, \Healthsvc\string \$hostname = "")

Parameters

\Healthsvc\int \$healthStatusTtl

\Healthsvc\string \$healthStatusTime

\Healthsvc\string \$hostname

Tags

None found

jsonSerialize()

jsonSerialize()

Part of the JsonSerializerable interface

Inherited from

[\Healthsvc\SerializableData](#)

See also

[\JsonSerializable](#)

Tags

None found

toSerializedArray()

toSerializedArray()

Inherited from

[\Healthsvc\SerializableData](#)

Tags

None found

toArray()

toArray() : array

Provides an assoc array corresponding to this response data item

Returns

array

Inherited from

[\Healthsvc\SerializableData](#)

Tags

None found

getHostname()

getHostname() : string

Returns

string —

string reported hostname

Tags

None found

refreshMessage()

refreshMessage()

Inherited from

[\Healthsvc\StatusData](#)

Tags

None found

getSerializableProperties()

getSerializableProperties()

Inherited from

[\Healthsvc\SerializableData](#)

Tags

None found

getSerializableValues()

getSerializableValues()

Inherited from

[\Healthsvc\SerializableData](#)

Tags

None found

toSnakeCase()

toSnakeCase(\Healthsvc\string \$input)

Parameters

\Healthsvc\string \$input

static final

Inherited from

[\Healthsvc\SerializableData](#)

Tags

None found



HostSanityStatusData.php

```
<?php
```

```
namespace Healthsvc;
```

```
class HostSanityStatusData extends StatusData {
```

```
    /**
```

```
     * @var string string reported hostname
```

```
     * @private
```

```
     */
```

```
    protected $hostname;
```

```
    /**
```

```
     * @return string string reported hostname
```

```
     */
```

```
    public function getHostname() : string {
```

```
        return $this->hostname;
```

```
    }
```

```
    public function __construct(int $healthStatusTtl=0, string $healthStatusTime=null, string $hostname='') {
```

```
        $this->hostname = $hostname;
```

```
        parent::__construct($healthStatusTtl,$healthStatusTime);
```

```
    }
```

```
}
```

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No public properties found

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[getSerializableProperties\(\)](#)

[getSerializableValues\(\)](#)

[toSnakeCase\(\)](#)

No protected properties found

N/A

No private methods found

No private properties found

N/A

abstract

File

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Package

Default

Class hierarchy

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Tags

None found

Constants

PROPERTIES_TO_SNAKE_CASE

PROPERTIES_TO_SNAKE_CASE

Inherited from

[\Healthsvc\SerializableData](#)

Tags

None found

Methods

jsonSerialize()

jsonSerialize()

Part of the JsonSerializerable interface

Inherited from

[\Healthsvc\SerializableData](#)

See also

[\JsonSerializable](#)

Tags

None found

toSerializedArray()

toSerializedArray()

Inherited from

[\Healthsvc\SerializableData](#)

Tags

None found

toArray()

toArray() : array

Provides an assoc array corresponding to this response data item

Returns

array

Inherited from

[\Healthsvc\SerializableData](#)

Tags

None found

getSerializableProperties()

getSerializableProperties()

Inherited from

[\Healthsvc\SerializableData](#)

Tags

None found

getSerializableValues()

getSerializableValues()

Inherited from

[\Healthsvc\SerializableData](#)

Tags

None found

toSnakeCase()

toSnakeCase(\Healthsvc\string \$input)

Parameters

\Healthsvc\string \$input

static final

Inherited from

[\Healthsvc\SerializableData](#)

Tags

None found



Infoltem.php

```
<?php
namespace Healthsvc;
```

```
abstract class Infoltem extends SerializableData{
```

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No public properties found

No constants found

[getRequestData\(\)](#)

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No protected properties found

N/A

No private methods found

[\\$requestBody](#)

[\\$contentType](#)

[\\$requestData](#)

[\\$requestMethod](#)

[\\$requestQuery](#)

N/A

abstract

File

[Request.php](#)

Package

Default
Class hierarchy
 \Healthsvc\Request
Uses traits
 [\Healthsvc\RequestBodyParserTrait](#)

Tags

None found

Properties

\$requestBody

\$requestBody :

Type

Inherited from
[\Healthsvc\RequestBodyParserTrait](#)

Tags

None found

\$contentType

\$contentType :

Type

Inherited from
[\Healthsvc\RequestBodyParserTrait](#)

Tags

None found

\$requestData

\$requestData :

Type

Inherited from
[\Healthsvc\RequestBodyParserTrait](#)

Tags

None found

\$requestMethod

\$requestMethod :

Type

Tags

None found

\$requestQuery

\$requestQuery :

Type

Tags

None found

Methods

getRequestBody()

getRequestBody()

Inherited from

[\Healthsvc\RequestBodyParserTrait](#)

Tags

None found

getContentType()

getContentType()

Inherited from

[\Healthsvc\RequestBodyParserTrait](#)

Tags

None found

isRequestMethodAllowed()

isRequestMethodAllowed()

abstract

Tags

None found

getRequestQuery()

getRequestQuery()

Tags

None found

getRequestMethod()

getRequestMethod()

Tags

None found

__construct()

__construct(\Healthsvc\string \$request_method = null, array \$request_query = null, \Healthsvc\string \$request_body = null, \Healthsvc\string \$content_type = null)

Parameters

\Healthsvc\string \$request_method

array \$request_query

\Healthsvc\string \$request_body

\Healthsvc\string \$content_type

Throws

Tags

None found

getRequestData()

getRequestData()

Inherited from

[\Healthsvc\RequestBodyParserTrait](#)

Tags

None found

setRequestBody()

setRequestBody(\Healthsvc\string \$request_body = null, \Healthsvc\string \$content_type = null)

Parameters

\Healthsvc\string \$request_body

\Healthsvc\string \$content_type

Inherited from

[\Healthsvc\RequestBodyParserTrait](#)

Tags

None found



Request.php

```
<?php
namespace Healthsvc;

abstract class Request {

    use RequestBodyParserTrait;

    private $requestMethod = 'GET';
    private $requestQuery = [];

    abstract public function isRequestMethodAllowed() : bool;

    public function getRequestQuery() : array {
        return $this->requestQuery;
    }

    public function getRequestMethod() : string {
        return $this->requestMethod;
    }

    /**
     * @throws \Healthsvc\RequestMethodNotAllowedException
     */
    public function __construct(string $request_method=null,array $request_query=null,string $request_body=null,string $content_type=null) {

        $request_method===null && isset($_SERVER['REQUEST_METHOD']) && $request_method = $_SERVER['REQUEST_METHOD'];

        $request_method!==null && $this->requestMethod = $request_method;

        if (!$this->isRequestMethodAllowed()) {
            throw new RequestMethodNotAllowedException($this->requestMethod);
        }

        $request_query===null && $request_query = $_GET;

        $this->requestQuery = $request_query;

        $request_body===null && false===($request_body = file_get_contents('php://input')) && $request_body = null;

        $content_type===null && isset($_SERVER['CONTENT_TYPE']) && $content_type = $_SERVER['CONTENT_TYPE'];
```

```
$this->setRequestBody($request_body,$content_type);  
}
```

```
}
```

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No public properties found

No constants found

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No protected properties found

N/A

No private methods found

[\\$requestBody](#)

[\\$contentType](#)

[\\$requestData](#)

N/A

File

[RequestBodyParserTrait.php](#)

Package

Default

Class hierarchy

Tags

None found

Properties

\$requestBody

\$requestBody :

Type

Tags

None found

\$contentType

\$contentType :

Type

Tags

None found

\$requestData

\$requestData :

Type

Tags

None found

Methods

getRequestBody()

getRequestBody()

File

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Tags

None found

getContentType()

getContentType()

File

[RequestBodyParserTrait.php](#)

Tags

None found

getRequestData()

getRequestData()

File

[RequestBodyParserTrait.php](#)

Tags

None found

setRequestBody()

setRequestBody(\Healthsvc\string \$request_body = null, \Healthsvc\string \$content_type = null)

Parameters

\Healthsvc\string \$request_body

\Healthsvc\string \$content_type

File

[RequestBodyParserTrait.php](#)

Tags

None found



RequestBodyParserTrait.php

```
<?php
namespace Healthsvc;

trait RequestBodyParserTrait {
    private $requestBody = "";
    private $contentType = "";
    private $requestData = [];

    public function getRequestBody() : string {
        return $this->requestBody;
    }

    public function getContentType() : string {
        return $this->contentType;
    }

    protected function getRequestData(): array {
        return $this->requestData;
    }

    protected function setRequestBody(string $request_body=null,string $content_type=null) : void {

        $request_body!==null || $request_body = "";
        $content_type!==null || $content_type = "";

        $this->requestBody = $request_body;
        $this->contentType = $content_type;

        if ($this->contentType==='application/x-www-form-urlencoded') {
            parse_str($this->requestBody,$this->requestData);
        } else if ($this->contentType = 'application/json') {
            if (is_array($requestData = json_decode($this->requestBody,true))) {
                $this->requestData = $requestData;
            }
        }
    }
}
```

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No public properties found

[RESPONSE_CODE](#)

[CONTENT_TYPE](#)

No protected methods found

No protected properties found

N/A

No private methods found

[\\$requestMethod](#)

N/A

File

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Package

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Class hierarchy
 \RuntimeException
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Tags

None found

Constants

RESPONSE_CODE

RESPONSE_CODE

Tags

None found

CONTENT_TYPE

CONTENT_TYPE

Tags

None found

Properties

\$requestMethod

\$requestMethod : string

Type

string — request method

Tags

None found

Methods

printResponseBody()

printResponseBody(\Healthsvc\bool \$send_headers = true)

Parameters

\Healthsvc\bool \$send_headers

final

Inherited from

[\Healthsvc\ResponseException](#)

Tags

None found

getResponseCode()

getResponseCode()

Tags

None found

getContentType()

getContentType()

Tags

None found

getResponseBody()

getResponseBody()

Tags

None found

getRequestMethod()

getRequestMethod()

Tags

None found

__construct()

__construct(\Healthsvc\string \$request_method)

Parameters

\Healthsvc\string \$request_method

Tags

None found



RequestMethodNotAllowedException.php

```
<?php
namespace Healthsvc;

class RequestMethodNotAllowedException extends ResponseException {

    /**
     * @var string request method
     */
    private $requestMethod;

    const RESPONSE_CODE = 405;
    const CONTENT_TYPE = 'text/plain';

    public function getResponseCode(): int {
        return static::RESPONSE_CODE;
    }

    public function getContentType(): string {
        return static::CONTENT_TYPE;
    }

    public function getResponseBody(): string {
        return $this->getMessage();
    }
}
```

```
public function getRequestMethod() : string {  
    return $this->requestMethod;  
}  
  
public function __construct(string $request_method) {  
    $this->requestMethod = $request_method;  
    parent::__construct("the '{$this->requestMethod}' method is not allowed for this resource");  
}  
  
}
```

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No public properties found

No constants found

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No protected properties found

N/A

No private methods found

[\\$config](#)

N/A

abstract

File

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Package

Default

Class hierarchy

\Healthsvc\RequestResponseController
Implements
[\Healthsvc\ResponseBodyPrinterInterface](#)
Uses traits
[\Healthsvc\ConfigFileReaderTrait](#)

Tags

None found

Properties

\$config

\$config :

Type

Inherited from
[\Healthsvc\ConfigFileReaderTrait](#)

Tags

None found

Methods

__construct()

__construct(\Healthsvc\string \$config_file = null)

Parameters

\Healthsvc\string \$config_file

Tags

None found

getRequest()

getRequest()

abstract

Tags

None found

getResponse()

getResponse()

abstract

Tags

None found

getConfig()

getConfig()

Inherited from

[\Healthsvc\ConfigFileReaderTrait](#)

Tags

None found

setConfigFile()

setConfigFile(\Healthsvc\string \$config_file = null)

Parameters

\Healthsvc\string \$config_file

Inherited from

[\Healthsvc\ConfigFileReaderTrait](#)

Tags

None found



RequestResponseController.php

```
<?php
namespace Healthsvc;

abstract class RequestResponseController implements ResponseBodyPrinterInterface {
    use ConfigFileReaderTrait;
    public function __construct(string $config_file=null) {
        $this->setConfigFile($config_file);
    }
    abstract public function getRequest() : Request;
    abstract public function getResponse() : Response;
}
```

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No public properties found

[JSON_CONTENT_TYPE](#)

[setResponseBody\(\)](#)

[setResponseData\(\)](#)

No protected properties found

N/A

No private methods found

[\\$hasResponseData](#)

[\\$responseData](#)

[\\$responseBody](#)

[\\$contentType](#)

[\\$responseCode](#)

N/A

abstract

File

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Package

Default

Class hierarchy

\Healthsvc\Response

Implements

[\Healthsvc\ResponseInterface](#)

Tags

None found

Constants

JSON_CONTENT_TYPE

JSON_CONTENT_TYPE

Tags

None found

Properties

\$hasResponseData

\$hasResponseData : boolean

Type

boolean — true if the response body corresponds to response data, otherwise **bool** false

Tags

private

\$responseData

\$responseData : array

Type

array — response data corresponding to the response body

Tags

private

\$responseBody

\$responseBody : string

Type

string — response body

Tags

private

\$contentType

contentType : string

\$contentType : string

Type

string — response content type

Tags

private

\$responseCode

\$responseCode : integer

Type

integer — HTTP response code

Tags

private

Methods

getResponseCode()

getResponseCode() : integer

Returns

integer —

HTTP response code

final

Tags

None found

hasResponseData()

hasResponseData() : boolean

Returns

boolean —

true if the response body corresponds to response data, otherwise **bool** false

final

Tags

None found

getResponseData()

getResponseData() : array

Returns

array —

response data corresponding to the response body

final

Tags

None found

getContentType()

getContentType() : string

Returns

string —

response content type

final

Tags

None found

getResponseBody()

getResponseBody() : string

Returns

string —

response body

final

Tags

None found

printResponseBody()

printResponseBody(boolean \$send_headers = true) : void

*Prints the response body. Additionally sends the appropriate HTTP headers unless **\$send_headers** is *<i>>false</i>*.*

Parameters

boolean \$send_headers Optionally set to *false* to suppress sending HTTP headers.

final

Tags

None found

setResponseBody()

setResponseBody(\Healthsvc\string \$response_body, \Healthsvc\string \$content_type, \Healthsvc\int \$response_code = 200)

Parameters

```
\Healthsvc\string $response_body
\Healthsvc\string $content_type

\Healthsvc\int    $response_code
```

final

Tags

None found

setResponseData()

```
setResponseData(array $response_data, \Healthsvc\int $response_code = 200)
```

Parameters

```
array    $response_data
\Healthsvc\int $response_code
```

final

Tags

None found



Response.php

```
<?php
namespace Healthsvc;

abstract class Response implements ResponseInterface {

    const JSON_CONTENT_TYPE = 'application/json';

    /**
     * @var bool true if the response body corresponds to response data, otherwise <b>bool</b> false
     * @private
     */
    private $hasResponseData = true;

    /**
     * @var array response data corresponding to the response body
     * @private
     */
    private $responseData = [];

    /**
     * @var string response body
     * @private
     */
    private $responseBody;

    /**
     * @var string response content type
     * @private
     */
    private $contentType = self::JSON_CONTENT_TYPE;

    /**
     * @var int HTTP response code
     * @private
     */
    private $responseCode = 200;

    /**
     * @return int HTTP response code
     */
    final public function getResponseCode() : int {
        return $this->responseCode;
    }

    /**
     * @return bool true if the response body corresponds to response data, otherwise <b>bool</b> false
     */
    final public function hasResponseData() : bool {
        return $this->hasResponseData = true;
    }

    /**
     * @return array response data corresponding to the response body
     */
}
```

```

*/
final public function getResponseData() : array {
    return $this->responseData;
}
/**
 * @return string response content type
 */
final public function getContentType() : string {
    return $this->contentType;
}
/**
 * @return string response body
 */
final public function getResponseBody() : string {
    return $this->responseBody;
}
/**
 * Prints the response body. Additionally sends the appropriate HTTP headers unless <b>$send_headers</b> is <i>>false</i>.
 * @param bool $send_headers Optionally set to <i>>false</i> to suppress sending HTTP headers.
 * @return void
 */
final public function printResponseBody(bool $send_headers=true) : void {
    if ($send_headers) {
        header("Content-type: ".$this->getContentType());
        http_response_code($this->getResponseCode());
    }
    echo $this->responseBody;
}
final protected function setResponseBody(string $response_body,string $content_type,int $response_code=200) {
    $this->hasResponseData = false;
    $this->responseBody = $response_body;
    $this->contentType = $content_type;
    $this->responseCode = $response_code;
}
final protected function setResponseData(array $response_data, int $response_code=200) {
    $this->hasResponseData = true;
    if (false==($responseBody = json_encode($response_data))) {
        throw new ResponseDataInvalidException('error while encoding json: '.json_last_error_msg());
    }
    $this->responseData = $response_data;

    $this->setResponseBody($responseBody,self::JSON_CONTENT_TYPE,$response_code);
}

}


```

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No constants found

No protected methods found

N/A

No private methods found

N/A

File

[ResponseBodyPrinterInterface.php](#)

Package

\Default

Tags

None found

Methods

printResponseBody()

```
printResponseBody(\Healthsvc\bool $send_headers = true)
```

Parameters

\Healthsvc\bool \$send_headers

Tags

None found



ResponseBodyPrinterInterface.php

```
<?php
namespace Healthsvc;

interface ResponseBodyPrinterInterface {
    public function printResponseBody(bool $send_headers=true) : void;
}
```

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No public properties found

No constants found

No protected methods found

No protected properties found

N/A

No private methods found

[\\$reason](#)

N/A

File

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Package

Default

Class hierarchy

[\RuntimeException](#)

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Tags

None found

Properties

\$reason

\$reason :

Type

Tags

None found

Methods

getReason()

getReason()

Tags

None found

__construct()

__construct(\Healthsvc\string \$reason)

Parameters

\Healthsvc\string \$reason

Tags

None found



ResponseDataInvalidException.php

```
<?php
namespace Healthsvc;

use RuntimeException;

class ResponseDataInvalidException extends RuntimeException {
    public function getReason() : string {
        return $this->reason;
    }
    private $reason;
    public function __construct(string $reason) {
        $this->reason = $reason;
        parent::__construct("invalid response data provided: $reason");
    }
}
```

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No public properties found

No constants found

No protected methods found

No protected properties found

N/A

No private methods found

No private properties found

N/A

abstract

File

[ResponseException.php](#)

Package

Default

Class hierarchy

\RuntimeException

\Healthsvc\ResponseException

Implements

Tags

None found

Methods

printResponseBody()

printResponseBody(\Healthsvc\bool \$send_headers = true)

Parameters

\Healthsvc\bool \$send_headers

final

Tags

None found



ResponseException.php

```
<?php
namespace Healthsvc;

use RuntimeException;

abstract class ResponseException extends RuntimeException implements ResponseInterface {
    final public function printResponseBody(bool $send_headers=true) : void {
        if ($send_headers) {
            header("Content-type: ".$this->getContentType());
            http_response_code($this->getResponseCode());
        }
        echo $this->getResponseBody();
    }
}
```

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No protected methods found

N/A

No private methods found

N/A

File

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Parents

[\Healthsvc\ResponseBodyPrinterInterface](#)

Tags

None found

Methods

printResponseBody()

printResponseBody(\Healthsvc\bool \$send_headers = true)

Parameters

\Healthsvc\bool \$send_headers

Inherited from

[\Healthsvc\ResponseBodyPrinterInterface](#)

Tags

None found

getResponseCode()

getResponseCode()

Tags

None found

getContentType()

getContentType()

Tags

None found

getResponseBody()

getResponseBody()

Tags

None found



ResponseInterface.php

```
<?php
namespace Healthsvc;

interface ResponseInterface extends ResponseBodyPrinterInterface {
    public function getResponseCode() : int;
    public function getContentType() : string;
    public function getResponseBody() : string;
}
```

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\HealthsvcSerializableData

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No public properties found

[PROPERTIES_TO_SNAKE_CASE](#)

[getSerializableProperties\(\)](#)

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[toSnakeCase\(\)](#)

No protected properties found

N/A

No private methods found

No private properties found

N/A

abstract

File

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Package

Default

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 \Healthsvc\SerializableData
Implements

Tags

None found

Constants

PROPERTIES_TO_SNAKE_CASE

PROPERTIES_TO_SNAKE_CASE

Tags

None found

Methods

jsonSerialize()

jsonSerialize()

Part of the JsonSerializable interface

See also

[\JsonSerializable](#)

Tags

None found

toSerializedArray()

toSerializedArray()

Tags

None found

toArray()

toArray() : array

Provides an assoc array corresponding to this response data item

Returns

array

Tags

None found

getSerializableProperties()

getSerializableProperties()

Tags

None found

getSerializableValues()

getSerializableValues()

getSerializableValues()

Tags

None found

toSnakeCase()

toSnakeCase(\Healthsvc\string \$input)

Parameters

\Healthsvc\string \$input

static final

Tags

None found



SerializableData.php

```
<?php
namespace Healthsvc;

use JsonSerializable;
use ReflectionClass;
use ReflectionProperty;
abstract class SerializableData implements JsonSerializable {

    const PROPERTIES_TO_SNAKE_CASE = true;

    protected function getSerializableProperties() : array {
        $serializableProperties = [];
        $prop = (new ReflectionClass($this))->getProperties(ReflectionProperty::IS_PUBLIC|ReflectionProperty::IS_PROTECTED);
        array_walk($prop,function(ReflectionProperty $p) use(&$serializableProperties) {
            $serializableProperties []= $p->name;
        });
        return $serializableProperties;
    }

    protected function getSerializableValues() : array {
        return [];
    }

    final protected static function toSnakeCase(string $input) : string {
        $matches = null;
        preg_match_all('!([A-Z][A-Z0-9]*(?=$|[A-Z][a-z0-9])|[A-Za-z][a-z0-9]+)!', $input, $matches);
        $matches = $matches[0];
        array_walk($matches,function(&$word)
        {
            $word = $word == strtoupper($word) ? strtolower($word) : lcfirst($word);
        });
        return implode('_', $matches);
    }

    /**
     * Part of the JsonSerializable interface
     * @see \JsonSerializable
     */
    public function jsonSerialize() {
        $data = [];
        $serializableProperties = $this->getSerializableProperties();

        $prop = (new ReflectionClass($this))->getProperties(ReflectionProperty::IS_PUBLIC|ReflectionProperty::IS_PROTECTED);
        array_walk($prop,function(ReflectionProperty $p)
            use($serializableProperties, &$data)
        {
            if (!in_array($p->name,$serializableProperties)) return;
            if (static::PROPERTIES_TO_SNAKE_CASE) {
                $name = self::toSnakeCase($p->name);
            } else {
                $name = $p->name;
            }
        });
    }
```



```

        $data[$name] = $this->{$p->name};
    });

    $serializableValues = $this->getSerializableValues();
    array_walk($serializableValues,function($val,$key) use(&$data) {
        $data[$key] = $val;
    });

    return $data;
}

public function toSerializedArray() : array {
    return json_decode(json_encode($this->jsonSerialize()),true);
}

/**
 * Provides an assoc array corresponding to this response data item
 * @return array
 */
public function toArray() : array {
    return json_decode(json_encode($this),true);
}
}

```

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N/A
No private methods found
No private properties found
N/A
abstract

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Tags

None found

Constants

PROPERTIES_TO_SNAKE_CASE

PROPERTIES_TO_SNAKE_CASE

Inherited from
 [\Healthsvc\SerializableData](#)

Tags

None found

Properties

\$message

\$message : string

Type

string — response message

Tags

private

\$healthStatusTime

\$healthStatusTime : string

Type

string — ISO 8601 timestamp of when health status generated

Tags

private

\$healthStatusTtl

\$healthStatusTtl : integer

Type

integer — health status time to live

Tags

private

\$healthInfo

\$healthInfo : array<mixed,\Healthsvc\InfoItem>

Type

array<mixed,[\Healthsvc\InfoItem](#)> — test info as assoc array of health info items, the element keys are the corresponding test label

Tags

private

\$execExitStatus

\$execExitStatus : array<mixed,integer>

Type

array<mixed,integer> — exit status codes as assoc array of exit status codes, the element keys are the corresponding test label

Tags

private

\$healthSuccess

\$healthSuccess : array<mixed,string>

Type

array<mixed,string> — array containing the label of every successful test

Tags

private

\$healthWarn

\$healthWarn : array<mixed,\Healthsvc\InfoItem>

Type

array<mixed,\Healthsvc\InfoItem> — health warnings as assoc array of health info items, the element keys are the correspondong test label

Tags

private

\$healthFailure

\$healthFailure : array<mixed,\Healthsvc\InfoItem>

Type

array<mixed,\Healthsvc\InfoItem> — health failures as assoc array of health info items, the element keys are the correspondong test label

Tags

private

Methods

jsonSerialize()

jsonSerialize()

Part of the JsonSerializable interface

Inherited from

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See also

[\JsonSerializable](#)

Tags

None found

toSerializedArray()

toSerializedArray()

Inherited from

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Tags

None found

toArray()

toArray() : array

Provides an assoc array corresponding to this response data item

Returns

array

Inherited from

[\Healthsvc\SerializableData](#)

Tags

None found

hasNoTests()

hasNoTests()

Tags

None found

hasAnyTest()

hasAnyTest()

Tags

None found

getHealthStatusTime()

getHealthStatusTime() : string

Returns

string —

ISO 8601 timestamp of when health status generated

Tags

None found

getHealthStatusTtl()

getHealthStatusTtl() : integer

Returns

integer —

health status time to live

Tags

None found

getHealthInfo()

getHealthInfo() : array<mixed,\Healthsvc\InfoItem>

Returns

array<mixed,[\Healthsvc\InfoItem](#)> —

test info as assoc array of health info items, the element keys are the correspdoning test label

Tags

None found

getExecExitStatus()

getExecExitStatus() : array<mixed,integer>

Returns

array<mixed,integer> —

exit status codes as assoc array of exit status codes, the element keys are the corresponding test label

Tags

None found

getHealthSuccess()

getHealthSuccess() : array<mixed,string>

Returns

array<mixed,string> —

array containing the label of every successful test

Tags

None found

getHealthWarn()

getHealthWarn() : array<mixed,\Healthsvc\InfoItem>

Returns

array<mixed,[\Healthsvc\InfoItem](#)> —

health warnings as assoc array of health info items, the element keys are the corresponding test label

Tags

None found

getHealthFailure()

getHealthFailure() : array<mixed,\Healthsvc\InfoItem>

Returns

array<mixed,[\Healthsvc\InfoItem](#)> —

health failures as assoc array of health info items, the element keys are the corresponding test label

Tags

None found

getMessage()

getMessage() : string

Returns

string —

response message

Tags

None found

setExecExitStatus()

```
setExecExitStatus(\Healthsvc\string $label, \Healthsvc\int $exit_status)
```

Parameters

```
\Healthsvc\string $label  
\Healthsvc\int $exit_status
```

Tags

None found

setHealthFailure()

```
setHealthFailure(\Healthsvc\string $label, \Healthsvc\Infoltem $health_failure)
```

Parameters

```
\Healthsvc\string $label  
\Healthsvc\Infoltem $health_failure
```

Tags

None found

setHealthWarn()

```
setHealthWarn(\Healthsvc\string $label, \Healthsvc\Infoltem $health_warn)
```

Parameters

```
\Healthsvc\string $label  
\Healthsvc\Infoltem $health_warn
```

Tags

None found

hasAllHealthSuccess()

```
hasAllHealthSuccess()
```

Tags

None found

hasAnyHealthFailure()

```
hasAnyHealthFailure()
```

Tags

None found

hasAnyHealthWarn()

```
hasAnyHealthWarn()
```

Tags

None found

hasExecExitStatus()

hasExecExitStatus(\Healthsvc\string \$label)

Parameters

\Healthsvc\string \$label

Tags

None found

hasHealthFailure()

hasHealthFailure(\Healthsvc\string \$label)

Parameters

\Healthsvc\string \$label

Tags

None found

moveHealthFailureToWarn()

moveHealthFailureToWarn(\Healthsvc\string \$label)

Parameters

\Healthsvc\string \$label

Tags

None found

setHealthSuccess()

setHealthSuccess(\Healthsvc\string \$label, \Healthsvc\InfoItem \$success_info = null)

Parameters

\Healthsvc\string \$label

[\Healthsvc\InfoItem](#) \$success_info

Tags

None found

__construct()

__construct(\Healthsvc\int \$health_staus_ttl, \Healthsvc\string \$health_status_time = null)

Parameters

\Healthsvc\int \$health_staus_ttl

\Healthsvc\string \$health_status_time

Tags

None found

getSerializableProperties()

getSerializableProperties()

Inherited from

[\Healthsvc\SerializableData](#)

Tags

None found

getSerializableValues()

getSerializableValues()

Inherited from

[\Healthsvc\SerializableData](#)

Tags

None found

toSnakeCase()

toSnakeCase(\Healthsvc|string \$input)

Parameters

\Healthsvc|string \$input

static final

Inherited from

[\Healthsvc\SerializableData](#)

Tags

None found

refreshMessage()

refreshMessage()

Tags

None found



StatusData.php

```
<?php
namespace Healthsvc;
```

```
abstract class StatusData extends SerializableData {
```

```
    /**
     * @var string response message
     * @private
     */
    protected $message;
```

```
    /**
     * @var string ISO 8601 timestamp of when health status generated
     * @private
     */
    protected $healthStatusTime;
```

```
    /**
     * @var int health status time to live
     * @private
     */
```

```

protected $healthStatusTtl;

/**
 * @var \Healthsvc\Infotem[] test info as assoc array of health info items, the element keys are the correspdoning test label
 * @private
 */
protected $healthInfo = [];

/**
 * @var int[] exit status codes as assoc array of exit status codes, the element keys are the correspdoning test label
 * @private
 */
protected $execExitStatus = [];

/**
 * @var string[] array containing the label of every successful test
 * @private
 */
protected $healthSuccess = [];

/**
 * @var \Healthsvc\Infotem[] health warnings as assoc array of health info items, the element keys are the correspdoning test label
 * @private
 */
protected $healthWarn = [];

/**
 * @var \Healthsvc\Infotem[] health failures as assoc array of health info items, the element keys are the correspdoning test label
 * @private
 */
protected $healthFailure = [];

protected function refreshMessage() : void {
    $message = [];
    if (!count($this->healthWarn) && !count($this->healthFailure)) {
        if ($this->hasAnyTest()) {
            $message []= 'total success';
        } else {
            $message []= 'no sanity commands are configured';
        }
    } else {
        if (count($this->healthWarn)) {
            $message [] = 'one or more warnings';
        }
        if (count($this->healthFailure)) {
            $message [] = 'one or more failures';
        }
    }
    $this->message = implode(" ", $message);
}

public function hasNoTests() : bool {
    return !$this->hasAnyTest();
}

public function hasAnyTest() : bool {
    return count($this->healthSuccess) || count($this->healthWarn) || count($this->healthFailure);
}

/**
 * @return string ISO 8601 timestamp of when health status generated
 */
public function getHealthStatusTime() : string {
    return $this->healthStatusTime;
}

/**
 * @return int health status time to live
 */
public function getHealthStatusTtl() : int {
    return $this->healthStatusTtl;
}

/**
 * @return \Healthsvc\Infotem[] test info as assoc array of health info items, the element keys are the correspdoning test label
 */
public function getHealthInfo() : array {
    return $this->healthInfo;
}

/**
 * @return int[] exit status codes as assoc array of exit status codes, the element keys are the correspdoning test label
 */
public function getExecExitStatus() : array {
    return $this->execExitStatus;
}

```

```

/**
 * @return string[] array containing the label of every successful test
 */
public function getHealthSuccess() : array {
    return $this->healthSuccess;
}

/**
 * @return \Healthsvc\Infoltem[] health warnings as assoc array of health info items, the element keys are the correspdoning test label
 */
public function getHealthWarn() : array {
    return $this->healthWarn;
}

/**
 * @return \Healthsvc\Infoltem[] health failures as assoc array of health info items, the element keys are the correspdoning test label
 */
public function getHealthFailure() : array {
    return $this->healthFailure;
}

/**
 * @return string response message
 */
public function getMessage() : string {
    return $this->message;
}

public function setExecExitStatus(string $label, int $exit_status) : void {
    $this->execExitStatus[$label] = $exit_status;
    $this->refreshMessage();
}

public function setHealthFailure(string $label, Infoltem $health_failure) : void {
    $this->healthFailure[$label] = $health_failure;
    $this->refreshMessage();
}

public function setHealthWarn(string $label, Infoltem $health_warn) : void {
    $this->healthWarn[$label] = $health_warn;
    $this->refreshMessage();
}

public function hasAllHealthSuccess() : bool {
    return
        count($this->healthSuccess) &&
        !count($this->healthFailure) &&
        !count($this->healthWarn);
}

public function hasAnyHealthFailure() : bool {
    return !! count($this->healthFailure);
}

public function hasAnyHealthWarn() : bool {
    return !! count($this->healthWarn);
}

public function hasExecExitStatus(string $label) : bool {
    if (isset($this->execExitStatus[$label])) return true;
    return false;
}

public function hasHealthFailure(string $label) : bool {
    if (isset($this->healthFailure[$label])) return true;
    return false;
}

public function moveHealthFailureToWarn(string $label) : bool {
    if (isset($this->healthFailure[$label])) {
        $this->healthWarn[$label] = $this->healthFailure[$label];
        unset($this->healthFailure[$label]);
        $this->refreshMessage();
        return true;
    }
    return false;
}

public function setHealthSuccess(string $label, Infoltem $success_info=null) : void {
    $success_info!=null && $this->healthInfo[$label] = $success_info;
    !in_array($label,$this->healthSuccess) && $this->healthSuccess []= $label;
    $this->refreshMessage();
}

public function __construct(int $health_staus_ttl=0, string $health_status_time=null) {

    $this->healthStatusTtl = $health_staus_ttl;

```

```
if ($health_status_time!=null) {  
    $health_status_time = strtotime($health_status_time);  
}  
if (is_int($health_status_time)) {  
    $this->healthStatusTime = date('c',$health_status_time);  
} else {  
    $this->healthStatusTime = date('c');  
}  
}  
}
```

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\HealthsvcStatusDataProviderInterface

Summary

[Methods](#)

[Constants](#)

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No constants found

No protected methods found

N/A

No private methods found

N/A

File

[StatusDataProviderInterface.php](#)

Package

\Default

Tags

None found

Methods

getStatusData()

getStatusData()

Tags

None found



StatusDataProviderInterface.php

```
<?php
namespace Healthsvc;

interface StatusDataProviderInterface {
    public function getStatusData() : StatusData;
}
```

- [\Healthsvc](#)
- [Class Hierarchy Diagram](#)
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