\Healthsvc

Traits

ConfigFileReaderTrait
RequestBodyParserTrait

Interfaces

ResponseBodyPrinterInterface
ResponseInterface
StatusDataProviderInterface

Classes

CommandErrorInfoItem
CommandInfoItem
ConfigController
ErrorInfoItem
HostSanityBinDirNotExistException
HostSanityConfig
HostSanityController

HostSanityRequest

HostSanityRequestResponseController
HostSanityResponse
HostSanityStatusData
InfoItem
Request
RequestMethodNotAllowedException
RequestResponseController
Response
ResponseDataInvalidException
ResponseException
SerializableData
StatusData

Namespace hierarchy

\
\Healthsvc

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- Class Hierarchy Diagram

- Errors
- Markers

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Namespaces

Healthsvc

Namespace hierarchy
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\HealthsvcCommandErrorInfoItem

Summary

Methods
Properties
Constants
getStdout()
__construct()
jsonSerialize()
toSerializedArray()
toArray()
getStderr()
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
: Default

Class hierarchy
: \Healthsvc\SerializableData
: \Healthsvc\InfoItem
: \Healthsvc\CommandInfoItem
: \Healthsvc\CommandErrorInfoItem

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
\Healthsvc\SerializableData

Tags

None found

toSnakeCase()

toSnakeCase(\Healthsvc\string $input)

Parameters

\Healthsvc\string $input

static final

Inherited from
\Healthsvc\SerializableData

Tags

None found

×

CommandErrorInfoItem.php

```
<?php
namespace Healthsvc;

class CommandErrorInfoItem extends CommandInfoItem {
  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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\HealthsvcCommandInfoItem

Summary

Methods
Properties
Constants
jsonSerialize()
toSerializedArray()
toArray()
getStdout()
__construct()
No public properties found
PROPERTIES_TO_SNAKE_CASE
getSerializableProperties()
getSerializableValues()
toSnakeCase()
$stdout
N/A
No private methods found
No private properties found
N/A

File
CommandInfoItem.php
Package

Default

Class hierarchy

\Healthsvc\SerializableData

\Healthsvc\InfoItem

\Healthsvc\CommandInfoItem

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 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

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

×

CommandInfoItem.php

```
<?php
namespace Healthsvc;

class CommandInfoItem extends InfoItem {
  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

Summary

Methods
Properties
Constants
__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
Class hierarchy
: \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

Summary

Methods
Properties
Constants
No public methods found
No public properties found
No constants found
getConfig()
setConfigFile()
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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\HealthsvcErrorInfoItem

Summary

Methods
Properties
Constants
jsonSerialize()
toSerializedArray()
toArray()
getMessage()
__construct()
No public properties found
PROPERTIES_TO_SNAKE_CASE
getSerializableProperties()
getSerializableValues()
toSnakeCase()
$message
N/A
No private methods found
No private properties found
N/A

File
ErrorInfoItem.php
Package

Default

Class hierarchy

\Healthsvc\SerializableData

\Healthsvc\InfoItem

\Healthsvc\ErrorInfoItem

Tags

None found

Constants

PROPERTIES_TO_SNAKE_CASE

PROPERTIES_TO_SNAKE_CASE

Inherited from

\Healthsvc\SerializableData

Tags

None found

Properties

$message

$message :

Type

Tags

None found

Methods

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()

toArray() : array

Provides an assoc array corresponding to this response data item

Returns

array

Inherited from
\Healthsvc\SerializableData

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

×

ErrorInfoItem.php

```
<?php
namespace Healthsvc;

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

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

}
```

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\HealthsvcHostSanityBinDirNotExistException

Summary

Methods
Properties
Constants
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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\HealthsvcHostSanityConfig

Summary

Methods
Properties
Constants
__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

Package
: Default

Class hierarchy

\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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\HealthsvcHostSanityController

Summary

Methods
Properties
Constants
getStatusData()
__construct()
No public properties found
No constants found
exec()
No protected properties found
N/A
No private methods found
$statusData
N/A

File
: HostSanityController.php
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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\HealthsvcHostSanityRequest

Summary

Methods
Properties
Constants
isRequestMethodAllowed()
getRequestQuery()
getRequestMethod()
__construct()
getRequestBody()
getContentType()
No public properties found
ALLOWED_METHODS
getRequestData()
setRequestBody()
No protected properties found
N/A
No private methods found
$requestMethod
$requestQuery
$requestBody
$contentType
$requestData
N/A

File
: HostSanityRequest.php

Package
: Default

Class hierarchy
    \Healthsvc\Request
    \Healthsvc\HostSanityRequest

Tags

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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\HealthsvcHostSanityRequestResponseController

Summary

Methods
Properties
Constants
__construct()
getRequest()
getResponse()
printResponseBody()
No public properties found
No constants found
getConfig()
setConfigFile()
No protected properties found
N/A
No private methods found
$config
$requestMethod
$requestQuery
$requestBody
$contentType
N/A

File
: HostSanityRequestResponseController.php

Package
: Default

Class hierarchy
: \Healthsvc\RequestResponseController
: \Healthsvc\HostSanityRequestResponseController

Tags

None found

Properties

$config

$config : \Healthsvc\HostSanityConfig

Type

\Healthsvc\HostSanityConfig

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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\HealthsvcHostSanityResponse

Summary

Methods
Properties
Constants
getResponseCode()
hasResponseData()
getResponseData()
getContentType()
getResponseBody()
printResponseBody()
__construct()
No public properties found
JSON_CONTENT_TYPE
RESPONSE_CODE_HAS_WARN_NO_FAILURE
RESPONSE_CODE_HAS_FAILURE
RESPONSE_CODE_HAS_NO_TESTS
RESPONSE_CODE_ALL_SUCCESS
setResponseBody()
setResponseData()
No protected properties found
N/A
No private methods found
$hasResponseData

$responseData
$responseBody
$contentType
$responseCode
N/A

File
HostSanityResponse.php
Package
Default
Class hierarchy
\Healthsvc\Response
\Healthsvc\HostSanityResponse

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. Additionaly sends the appropriate HTTP headers unless $send_headers is false.

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);

  }

}
```

- \Healthsvc
- Class Hierarchy Diagram
- Errors
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\HealthsvcHostSanityStatusData

Summary

Methods
Properties
Constants
hasNoTests()
hasAnyTest()
getHealthStatusTime()
getHealthStatusTtl()
getHealthInfo()
getExecExitStatus()
getHealthSuccess()
getHealthWarn()
getHealthFailure()
getMessage()
setExecExitStatus()
setHealthFailure()
setHealthWarn()
hasAllHealthSuccess()
hasAnyHealthFailure()
hasAnyHealthWarn()
hasExecExitStatus()
hasHealthFailure()
moveHealthFailureToWarn()

setHealthSuccess()
__construct()
jsonSerialize()
toSerializedArray()
toArray()
getHostname()
No public properties found
PROPERTIES_TO_SNAKE_CASE
refreshMessage()
getSerializableProperties()
getSerializableValues()
toSnakeCase()
$message
$healthStatusTime
$healthStatusTtl
$healthInfo
$execExitStatus
$healthSuccess
$healthWarn
$healthFailure
$hostname
N/A
No private methods found
No private properties found
N/A

File
: HostSanityStatusData.php

Package
: Default

Class hierarchy
: \Healthsvc\SerializableData
: \Healthsvc\StatusData
: \Healthsvc\HostSanityStatusData

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

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 correspdoning 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 correspdoning 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 correspdoning 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 correspdoning 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 correspdoning 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 correspdoning 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 correspdoning 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 correspdoning 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\InfoItem $health_failure)

Parameters

\Healthsvc\string	$label
\Healthsvc\InfoItem	$health_failure

Inherited from
\Healthsvc\StatusData

Tags

None found

setHealthWarn()

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

Parameters

\Healthsvc\string	$label
\Healthsvc\InfoItem	$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 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

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);
  }
}
```

- \Healthsvc
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\HealthsvcInfoItem

Summary

Methods
Properties
Constants
jsonSerialize()
toSerializedArray()
toArray()
No public properties found
PROPERTIES_TO_SNAKE_CASE
getSerializableProperties()
getSerializableValues()
toSnakeCase()
No protected properties found
N/A
No private methods found
No private properties found
N/A
abstract

File
: InfoItem.php
Package
: Default

Class hierarchy
    \Healthsvc\SerializableData
    \Healthsvc\InfoItem

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 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

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

×

InfoItem.php

```
<?php
namespace Healthsvc;

abstract class InfoItem extends SerializableData{}
```

- \Healthsvc
- Class Hierarchy Diagram
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\HealthsvcRequest

Summary

Methods
Properties
Constants
getRequestBody()
getContentType()
isRequestMethodAllowed()
getRequestQuery()
getRequestMethod()
__construct()
No public properties found
No constants found
getRequestData()
setRequestBody()
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

\Healthsvc\RequestMethodNotAllowedException

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);
  }
}
```

- \Healthsvc
- Class Hierarchy Diagram
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\HealthsvcRequestBodyParserTrait

Summary

Methods
Properties
Constants
getRequestBody()
getContentType()
No public properties found
No constants found
getRequestData()
setRequestBody()
No protected properties found
N/A
No private methods found
$requestBody
$contentType
$requestData
N/A

File
: RequestBodyParserTrait.php

Package
: Default

Class hierarchy

\Healthsvc\RequestBodyParserTrait

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
RequestBodyParserTrait.php

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;
      }
    }
  }

}
```

- \Healthsvc
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\HealthsvcRequestMethodNotAllowedException

Summary

Methods
Properties
Constants
printResponseBody()
getResponseCode()
getContentType()
getResponseBody()
getRequestMethod()
__construct()
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
RequestMethodNotAllowedException.php
Package

Default

Class hierarchy

\RuntimeException

\Healthsvc\ResponseException

\Healthsvc\RequestMethodNotAllowedException

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");
  }


}
```

- \Healthsvc
- Class Hierarchy Diagram
- Errors
- Markers

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\HealthsvcRequestResponseController

Summary

Methods
Properties
Constants
__construct()
getRequest()
getResponse()
No public properties found
No constants found
getConfig()
setConfigFile()
No protected properties found
N/A
No private methods found
$config
N/A
abstract

File
: RequestResponseController.php
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;
}
```

- \Healthsvc
- Class Hierarchy Diagram
- Errors
- Markers

\HealthsvcResponse

Summary

Methods
Properties
Constants
getResponseCode()
hasResponseData()
getResponseData()
getContentType()
getResponseBody()
printResponseBody()
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
Response.php
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~~

$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. Additionaly sends the appropriate HTTP headers unless $send_headers is false.

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 $this->responseBody;
    }
    /**
     * Prints the response body. Additionaly sends the appropriate HTTP headers unless <b>$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);
    }




}
```

- \Healthsvc
- Class Hierarchy Diagram
- Errors
- Markers

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\HealthsvcResponseBodyPrinterInterface

Summary

Methods
Constants
printResponseBody()
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;
}
```

- \Healthsvc
- Class Hierarchy Diagram
- Errors
- Markers

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\HealthsvcResponseDataInvalidException

Summary

Methods
Properties
Constants
getReason()
__construct()
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
: ResponseDataInvalidException.php
Package
: Default
Class hierarchy
: \RuntimeException
: \Healthsvc\ResponseDataInvalidException

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");
  }
}
```

- \Healthsvc
- Class Hierarchy Diagram
- Errors
- Markers

\HealthsvcResponseException

Summary

Methods
Properties
Constants
printResponseBody()

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

\Healthsvc\ResponseInterface

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();
   }
}
```

- \Healthsvc
- Class Hierarchy Diagram
- Errors
- Markers

\HealthsvcResponseInterface

Summary

Methods
Constants
printResponseBody()
getResponseCode()
getContentType()
getResponseBody()

No constants found
No protected methods found
N/A
No private methods found
N/A

File
: ResponseInterface.php

Package
: \Default

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;
}
```

- \Healthsvc
- Class Hierarchy Diagram
- Errors
- Markers

\HealthsvcSerializableData

Summary

Methods
Properties
Constants
jsonSerialize()
toSerializedArray()
toArray()
No public properties found
PROPERTIES_TO_SNAKE_CASE
getSerializableProperties()
getSerializableValues()
toSnakeCase()
No protected properties found
N/A
No private methods found
No private properties found
N/A
abstract

File
SerializableData.php
Package
Default

Class hierarchy
    \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);
  }
}
```

- \Healthsvc
- Class Hierarchy Diagram
- Errors
- Markers

Documentation is powered by phpDocumentor and authored on December 7th, 2018 at 05:17.

\HealthsvcStatusData

Summary

Methods
Properties
Constants
jsonSerialize()
toSerializedArray()
toArray()
hasNoTests()
hasAnyTest()
getHealthStatusTime()
getHealthStatusTtl()
getHealthInfo()
getExecExitStatus()
getHealthSuccess()
getHealthWarn()
getHealthFailure()
getMessage()
setExecExitStatus()
setHealthFailure()
setHealthWarn()
hasAllHealthSuccess()
hasAnyHealthFailure()
hasAnyHealthWarn()

hasExecExitStatus()
hasHealthFailure()
moveHealthFailureToWarn()
setHealthSuccess()
__construct()
No public properties found
PROPERTIES_TO_SNAKE_CASE
getSerializableProperties()
getSerializableValues()
toSnakeCase()
refreshMessage()
$message
$healthStatusTime
$healthStatusTtl
$healthInfo
$execExitStatus
$healthSuccess
$healthWarn
$healthFailure
N/A
No private methods found
No private properties found
N/A
abstract

File
StatusData.php
Package
Default
Class hierarchy
\Healthsvc\SerializableData
\Healthsvc\StatusData

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 correspdoning 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 correspdoning 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 correspdoning 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 correspdoning test label

Tags

private

Methods

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

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 correspdoning 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 correspdoning 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 correspdoning 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\InfoItem $health_failure)

Parameters

\Healthsvc\string	$label
\Healthsvc\InfoItem	$health_failure

Tags

None found

setHealthWarn()

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

Parameters

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

/**
 * @var \Healthsvc\InfoItem[] 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\InfoItem[] 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\InfoItem[] 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\InfoItem[] 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, InfoItem $health_failure) : void {
  $this->healthFailure[$label] = $health_failure;
  $this->refreshMessage();
}

public function setHealthWarn(string $label, InfoItem $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,InfoItem $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');
    }

  }

}
```

- \Healthsvc
- Class Hierarchy Diagram
- Errors
- Markers

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\HealthsvcStatusDataProviderInterface

Summary

Methods
Constants
getStatusData()
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;
}
```

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