# \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

- \Healthsvc

- 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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- Markers

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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());

  }

}
```

- \Healthsvc
- Class Hierarchy Diagram
- Errors
- Markers

---

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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
- Markers

---

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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
- Class Hierarchy Diagram
- Errors
- Markers

---

## \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
- Errors
- Markers

---

## \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
- Errors
- Markers

---

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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
- Class Hierarchy Diagram
- Errors

- Markers

---

Documentation is powered by phpDocumentor and authored on December 7th, 2018 at 05:29.

# \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

---

Documentation is powered by phpDocumentor and authored on December 7th, 2018 at 05:29.

# \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

---

Documentation is powered by phpDocumentor and authored on December 7th, 2018 at 05:29.

# \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

---

## \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*

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## 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*

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## StatusDataProviderInterface.php

```
<?php
namespace Healthsvc;

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

- \Healthsvc
- Class Hierarchy Diagram
- Errors
- Markers

---

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