

RAPP Platform Tests - Speech Detection Google  
v0.6.0

Generated by Doxygen 1.8.6

Fri Jul 22 2016 10:11:41



# Contents

<b>1</b>	<b>Namespace Index</b>	<b>1</b>
1.1	Namespace List . . . . .	1
<b>2</b>	<b>Hierarchical Index</b>	<b>3</b>
2.1	Class Hierarchy . . . . .	3
<b>3</b>	<b>Class Index</b>	<b>5</b>
3.1	Class List . . . . .	5
<b>4</b>	<b>File Index</b>	<b>7</b>
4.1	File List . . . . .	7
<b>5</b>	<b>Namespace Documentation</b>	<b>9</b>
5.1	functional_tests Namespace Reference . . . . .	9
5.1.1	Variable Documentation . . . . .	9
5.1.1.1	PKG . . . . .	9
<b>6</b>	<b>Class Documentation</b>	<b>11</b>
6.1	functional_tests.SpeechToTextFunc Class Reference . . . . .	11
6.1.1	Detailed Description . . . . .	12
6.1.2	Member Function Documentation . . . . .	12
6.1.2.1	test_imageFile . . . . .	12
6.1.2.2	test_notExistentFile . . . . .	12
6.1.2.3	test_wavFile . . . . .	12
<b>7</b>	<b>File Documentation</b>	<b>13</b>
7.1	/home/travis/rapp_temp/rapp-platform/rapp_speech_detection_google/tests/speech_to_text/functional- _tests.py File Reference . . . . .	13
	<b>Index</b>	<b>14</b>



# Chapter 1

## Namespace Index

### 1.1 Namespace List

Here is a list of all namespaces with brief descriptions:

<a href="#">functional_tests</a> . . . . .	9
--	---



## Chapter 2

# Hierarchical Index

### 2.1 Class Hierarchy

This inheritance list is sorted roughly, but not completely, alphabetically:

TestCase	
functional_tests.SpeechToTextFunc . . . . .	<a href="#">11</a>





## Chapter 3

# Class Index

### 3.1 Class List

Here are the classes, structs, unions and interfaces with brief descriptions:

<a href="#">functional_tests.SpeechToTextFunc</a>	
Inherits the unittest.TestCase class in order to offer functional tests functionality . . . . .	11



## Chapter 4

# File Index

### 4.1 File List

Here is a list of all files with brief descriptions:

<code>/home/travis/rapp_temp/rapp-platform/rapp_speech_detection_google/tests/speech_to_text/functional_</code>	
<code>tests.py</code>	13



## Chapter 5

# Namespace Documentation

### 5.1 functional\_tests Namespace Reference

#### Classes

- class [SpeechToTextFunc](#)  
*Inherits the unittest.TestCase class in order to offer functional tests functionality.*

#### Variables

- string [PKG](#) = 'rapp\_speech\_detection\_google'

#### 5.1.1 Variable Documentation

##### 5.1.1.1 string functional\_tests.PKG = 'rapp\_speech\_detection\_google'

Definition at line 18 of file functional\_tests.py.



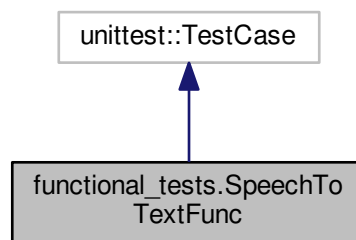
## Chapter 6

# Class Documentation

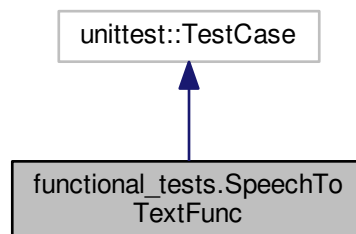
### 6.1 functional\_tests.SpeechToTextFunc Class Reference

Inherits the unittest.TestCase class in order to offer functional tests functionality.

Inheritance diagram for functional\_tests.SpeechToTextFunc:



Collaboration diagram for functional\_tests.SpeechToTextFunc:



## Public Member Functions

- def [test\\_imageFile](#)  
*Tests Google ASR with a NAO recorded ogg file.*
- def [test\\_notExistentFile](#)  
*Tests Google ASR with a missing file.*
- def [test\\_wavFile](#)  
*Tests Google ASR with a NAO captured wav file, 1 channel.*

### 6.1.1 Detailed Description

Inherits the unittest.TestCase class in order to offer functional tests functionality.

Definition at line 32 of file functional\_tests.py.

### 6.1.2 Member Function Documentation

#### 6.1.2.1 def functional\_tests.SpeechToTextFunc.test\_imageFile ( self )

Tests Google ASR with a NAO recorded ogg file.

Should return "Monday" .skip("Depends on Google ASR result - Sometimes fails")  
def test\_wavFile\_2(self):  
rospack = rospkg.RosPack() google\_service = rospy.get\_param(\ "rapp\_speech\_detection\_google\_detect\_speech\_topic")  
rospy.wait\_for\_service(google\_service) stt\_service = rospy.ServiceProxy(google\_service, SpeechToTextSrv) req =  
SpeechToTextSrvRequest() req.filename = rospack.get\_path('rapp\_testing\_tools') + \ '/test\_data/speech\_detection-  
\_samples/recording\_monday.ogg' req.audio\_type = 'nao\_ogg' req.user = 'rapp' req.language = 'en' response =  
stt\_service(req) words\_basic = len(response.words) Tests Google ASR with an image. Should return nothing

Definition at line 77 of file functional\_tests.py.

#### 6.1.2.2 def functional\_tests.SpeechToTextFunc.test\_notExistentFile ( self )

Tests Google ASR with a missing file.

Should return nothing

Definition at line 99 of file functional\_tests.py.

#### 6.1.2.3 def functional\_tests.SpeechToTextFunc.test\_wavFile ( self )

Tests Google ASR with a NAO captured wav file, 1 channel.

Should return yes and no

Definition at line 35 of file functional\_tests.py.

The documentation for this class was generated from the following file:

- /home/travis/rapp\_temp/rapp-platform/rapp\_speech\_detection\_google/tests/speech\_to\_text/[functional\\_tests.py](#)



## Chapter 7

# File Documentation

### 7.1 `/home/travis/rapp_temp/rapp-platform/rapp_speech_detection_google/tests/speech-to-text/functional_tests.py` File Reference

#### Classes

- class `functional_tests.SpeechToTextFunc`  
*Inherits the `unittest.TestCase` class in order to offer functional tests functionality.*

#### Namespaces

- `functional_tests`

#### Variables

- string `functional_tests.PKG` = `'rapp_speech_detection_google'`

# Index

/home/travis/rapp\_temp/rapp-platform/rapp\_speech\_  
detection\_google/tests/speech\_to\_text/functional-  
\_tests.py, [13](#)

functional\_tests, [9](#)

PKG, [9](#)

functional\_tests.SpeechToTextFunc, [11](#)

functional\_tests::SpeechToTextFunc

test\_imageFile, [12](#)

test\_notExistentFile, [12](#)

test\_wavFile, [12](#)

PKG

functional\_tests, [9](#)

test\_imageFile

functional\_tests::SpeechToTextFunc, [12](#)

test\_notExistentFile

functional\_tests::SpeechToTextFunc, [12](#)

test\_wavFile

functional\_tests::SpeechToTextFunc, [12](#)