

調整辨識度

1.點 Document 至頁面選 NAOqi API

GETTING STARTED

Installing Choregraphe
Installing Python SDK
Hello World(s)
Installing C++ SDK

PROGRAMMING

Choregraphe
Python SDK
Working with NAOqi
C++ SDK
Other tools:
Simulators, JavaScript, Java

NAOqi FRAMEWORK

Key concepts
NAOqi API
Classes - Methods
Events - Memory Keys

MANAGING MY ROBOT

Upgrading my robot
See also:
- NAO
- Romeo

2.點 Audio→ALDialog→API

Audio

Read also the [NAOqi Audio](#) introduction.

- [ALAnimatedSpeech API | overview](#)
- [ALAudioDevice API | overview](#)
- [ALAudioPlayer API | overview](#)
- [ALAudioRecorder API | overview](#)
- [ALDialog **API** | overview](#)
- [ALSoundDetection API | overview](#)
- [ALSoundLocalization API | overview](#)
- [ALSpeechRecognition API | overview](#)
- [ALTextToSpeech API | overview](#)
- [ALVoiceEmotionAnalysis API | overview](#)

3.複製 - ALDialogProxy::setASRConfidenceThreshold()

Method list

As any module, this module inherits methods from [ALModule API](#). It also has the following specific methods:

class ALDialogProxy

- [ALDialogProxy::loadTopic\(\)](#)
- [ALDialogProxy::unloadTopic\(\)](#)
- [ALDialogProxy::activateTopic\(\)](#)
- [ALDialogProxy::deactivateTopic\(\)](#)
- [ALDialogProxy::setLanguage\(\)](#)
- [ALDialogProxy::setFocus\(\)](#)
- [ALDialogProxy::activateTag\(\)](#)
- [ALDialogProxy::deactivateTag\(\)](#)
- [ALDialogProxy::gotoTopic\(\)](#)
- [ALDialogProxy::setConcept\(\)](#)
- [ALDialogProxy::setAnimatedSpeechConfiguration\(\)](#)
- [ALDialogProxy::setASRConfidenceThreshold\(\)](#)
- [ALDialogProxy::getASRConfidenceThreshold\(\)](#)
- [ALDialogProxy::forceOutput\(\)](#)
- [ALDialogProxy::forceInput\(\)](#)
- [ALDialogProxy::getLoadedTopics\(\)](#)
- [ALDialogProxy::getActivatedTopics\(\)](#)
- [ALDialogProxy::setVariablePath\(\)](#)
- [ALDialogProxy::getUserList\(\)](#)
- [ALDialogProxy::openSession\(\)](#)

※點選進去會看到相關說明。

```
void ALDialogProxy::setASRConfidenceThreshold(const float& threshold)
```

Sets the minimum confidence threshold used validate the output of the Automatic Speech Recognition (ASR) engine.

Parameters: *threshold* – Threshold (from 0.0 to 1.0). 0.5 by default.

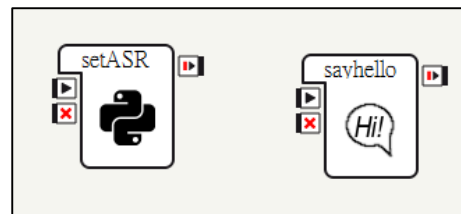
```
float ALDialogProxy::getASRConfidenceThreshold() ¶
```

Gets the minimum confidence threshold currently used to validate the output of the Automatic Speech Recognition (ASR) engine.

Returns: Threshold (from 0.0 to 1.0). 0.5 by default.

4. 在 choregraphe 創建 python box & Dialog box

5. 雙擊 python box 進入 Script editor 視窗



```
Script editor
setASR X
1 class MyClass(GeneratedClass):
2     def __init__(self):
3         GeneratedClass.__init__(self)
4
5     def onLoad(self):
6         #put initialization code here
7         pass
8
9     def onUnload(self):
10        #put clean-up code here
11        pass
12
13    def onInput_onStart(self):
14        self.onStopped() #activate the output of the box
15        pass
16
17    def onInput_onStop(self):
18        self.onUnload() #it is recommended to reuse the clean-up as the box is stopped
19        self.onStopped() #activate the output of the box
20
```

※ # 號後面為註記(解釋)

6. 在 onInput_onStart(self):下進行編程

```
Script editor
setASR X 123_mnc.top X 123_enu.top X
1 class MyClass(GeneratedClass):
2     def __init__(self):
3         GeneratedClass.__init__(self)
4
5     def onLoad(self):
6         #put initialization code here
7         pass
8
9     def onUnload(self):
10        #put clean-up code here
11        pass
12
13    def onInput_onStart(self):
14        setASR=ALProxy("ALDialog")
15        setASR.setASRConfidenceThreshold(0.4)
16        self.onStopped()
17
18    def onInput_onStop(self):
19        self.onUnload() #it is recommended to reuse the clean-up as the box is stopped
20        self.onStopped() #activate the output of the box
21
```

打 python box 名稱

來源(Document API)

步驟 3 複製的語法，
擷取後段部分貼上，
()內為參數 0.4 即
40%以此類推。

其餘部分為編程語法，照打即可。

7. 編寫 Dialog box

※使用語法 u:(關鍵字) 機器人回答

8. 運行 python box & Dialog box

