Text to Speech

Text to speech API consisting of 11 APIs methods.
Please note that this API is not available for use with the Developers account.

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Recommendations for various cases?

- Want to convert text to synthetic speech audio.
  Both of these APIs can be used.
  1.Speech synthesis API
  2.Sequential speech synthesis API

- Long texts; Long response times when converting to voice audio data.
  You can speed up the response in a pseudo manner by using 2.Sequential speech synthesis API because the audio data is return from completed part.

- Want to know how the text is pronounced by the API.
  You can visualize how to pronounce the text by converting the text to pronunciation text using [3. Pronunciation analysis](#) API.

- The pronunciation is unnatural.
  You can change the default pronunciation by registering words or sentences using [4. Registering records in the word dictionary](#) API or [8.Registering records in the sentence dictionary](#) API.
  For example, when you synthesize "なんでやねん", "な" has an accent by default. However, if you want to synthesize it in a form close to Kansai dialect, you need to add an accent to "で". In this case, the settings are as follows.

  - When using [4.Registering records in the word dictionary](#)
    ナ'ンデヤネン → ナンデ'ヤネン
  - When using [8.Registering records in the sentence dictionary](#)
    ナンデヤネン[.01] → ナンデヤネン[.03]

- The registered words or sentences is not reflected, or you want to know what words or sentences is registered.
  Please confirm the registered words and sentences by using [5.Displaying records in the word dictionary](#) API or [9.Displaying records in the sentence dictionary](#) API.

- Want to revise or delete the records registered in the dictionary.
  You can revise the records by using [6.Updating records in the word dictionary](#)API or [10.Updating records in the sentence dictionary](#)API.
  You can also delete the records by using [7.Deleting records in the word dictionary](#)API or [11.Deleting records in the sentence dictionary](#)API.

- Want to know the values that can be specified as a speaker and part of speech or want to know the details of the pronunciation text.
  You can check the detailed items and specifications of some parameters in ["Input/Output items (data specifications)"](#).

- Want some sample codes to use Text to Speech API.
  [Here (github)](#) is some sample codes. Please use them.

1.Speech synthesis

An API for converting text input into audio data of natural human speech.
The audio data is returned in a response.
Note: When you want to convert a long text input into audio data but do not want to wait for a long response or the full completely synthesized
data, please use [2.Sequential speech synthesis](#) API.

HTTP Request

```
POST [API Base URL]/tts/v1/tts
```

Request Header

Key Name	Required	Description
Content-Type	Required	**MIME Type of sent data** application/json;charset=UTF-8
Authorization	Required	**Access token** Specify in the following format. Bearer [Access Token]
Accept	Any	**MIME Type of received data** Specify one of the following two. - audio/wav：Wave format audio data - text/plain：Base64 encoded audio data *When omitted, audio/wav is specified.

Request Body

When the parameter is omitted, default values are specified for optional parameters.
*Required parameters must be specified.

Key Name	Data Type	Required	Default Value	Description
text	String	Required	-	**Target text** Specify the text to be synthesized. 【Limitations】 The maximum number of characters differs for each text type. - plain text：500[characters] - pronunciation text：1200[characters] *If the pronunciation text exceeds 1200 characters, the parameter will be considered as exceeded even if the number of characters in plain text is not exceeded. It is necessary to describe in the format defined for each text type. Please refer to "Target text" in "Input/Output items" about each text type format.
textType	String	Any	normal	**Text type** Specify the text type of the target text - normal：plain text - utterance：pronunciation text 【Limitations】 You can specify "utterance" only when you use Japanese speakerId.
speakerId	String	Required	-	**Speaker ID** Specify the speaker model id of the speech synthesizer. 【Limitations】 Please refer to "List of speaker IDs" in "Input/Output items" for the speakerId that you can specify.
speechRate	Number (Fraction)	Any	1.00	**Speed of the synthesized speech** - Smaller value：Slower - Lager value：Faster 【Limitations】 - Value range：0.50〜2.00 - Step size：0.01

powerRate|Number
(Fraction)|Any|1.00|**Volume of the synthesized speech**
- Smaller value：Lower volume
- Larger value：Larger volume
　【Limitations】
- Value range：0.00〜5.00
- Step size：0.01|
intonation|Number
(Integer)|Any|10|**Range on the intonation of the synthesized speech**
- Smaller value：Lower range
- Larger value：Higher range
　【Limitations】
- Value range：1〜20
- Step size：1|
pitch|Number
(Integer)|Any|12|**Pitch of the synthesized speech**

- Smaller value : Lower pitch
- Larger value : Higher pitch
  【Limitations】
- Value range : 1〜20
- Step size : 1|

Request Sample (cURL)

- With only the required parameters

```
curl -o result.wav -X POST -H "Content-Type: application/json;charset=UTF-8" -H
"Authorization: Bearer [access token]" -d '{"text": "今日は晴れです。", "speakerId": "
ja_JP-M-S0001-T001-E01-SR0"}' [API Base URL]/tts/v1/tts
```

- All parameters

```
curl -o result.wav -X POST -H "Content-Type: application/json;charset=UTF-8" -H "Accept:
text/plain" -H "Authorization: Bearer [access token]" -d '{"text": "キョーワ[,01]ハレデス
^[.02]", "textType": "utterance", "speakerId": " ja_JP-M-S0001-T001-E01-SR0",
"speechRate": "1.25", "powerRate": "2.0", "intonation": 5, "pitch": 15 }' [API Base
URL]/tts/v1/tts
```

Response

The sampling rate of the returned audio data is `22,050Hz`.

Response Header

Key Name	Description
Content-Type	**MIME Type of received data** Following values are returned depending on the value set in Accept in the request header. - audio/wav : audio/wav - text/plain : text/plain

Response Body

Key Name	Data Type	Description
-	Binary or String	**Audio data** Following values are returned depending on the value set in Accept in the request header. - audio/wav : Wave format audio binary - text/plain : Base64 encoded text

Response Sample

```
Audio data (binary or text)
```

Response on Error

Response Header

Key Name	Description
Content-Type	**MIME Type of received data** application/json

Response Body

Key Name	Data Type	Description
code	String	**Error code** Used when making inquiries.
detail	String	**Error details** Information about the error response. Please refer to here for details.

HTTP Status Code

Response Code	Description and Solutions
400 Bad Request	The input parameter is invalid. Please refer to the details of the key pairs in the response body and here. Then, specify the correct parameter. *Examples of invalid input parameters include: - The value of the parameter is out of range. - A single-byte character is used in a parameter that can only use double-byte characters. - A parameter that does not exist is specified.
401 Unauthorized	Access Token is invalid(expiration etc.). Please specify a valid Access Token.
404 Not Found	The requested resource cannot be found. Please confirm URL and HTTP method.
406 Not Acceptable	Accept in the request header is invalid. Please confirm the content of it.
413 Request Entity Too Large	Request was rejected because the size of the entire request data exceeded the upper limit. Please confirm the request data.
415 Unsupported Media Type	Content-Type is invalid. Please confirm Content-Type in the request header.
500 internal Server Error	An error occurred inside the server. Please confirm the content of the request. If the problem persists, please contact us through contact form.

2.Sequential speech synthesis

An API for converting text input into audio data of natural human speech.
The audio data is divided into chunks and returned.
Since responses are returned in order from the one that has been synthesized, it is convenient when you want to play the audio data by streaming.

HTTP Request

```
POST [API Base URL]/tts/v1/sequential_tts
```

Request Header

Key Name	Required	Description
Content-Type	Required	**MIME Type of sent data** application/json;charset=UTF-8
Authorization	Required	**Access token** Specify in the following format. Bearer [Access Token]
Accept	Any	**MIME Type of received data** Specify one of the following two. - audio/L16：16bit linear PCM Raw format audio data - text/plain：Base64 encoded audio data *When omitted, audio/L16 is specified.
Connection	Required	**Maintaining TCP connection** Keep-Alive

Request Body

When the parameter is omitted, default values are specified for optional parameters.
*Required parameters must be specified.

Key Name	Data Type	Required	Default Value	Description
text	String	Required	-	**target text** Specify the text to be synthesized. 【Limitations】 The maximum number of characters differs for each text type. - plain text：500[characters] - pronunciation text：1200[characters] *If the pronunciation text exceeds 1200 characters, the parameter will be considered as exceeded even if the number of characters in plain text is not exceeded. It is necessary to describe in the format defined for each text type. Please refer to "Target text" in "Input/Output items"about each text type format.
textType	String	Any	normal	**Text type** Specify the text type of the target text. - normal：plain text - utterance：pronunciation text 【Limitations】 You can specify "utterance" only when you use Japanese speakerId.
speakerId	String	Required	-	**Speaker ID** Specify the speaker model id of the speech synthesizer. 【Limitations】 Please refer to "List of speaker IDs" in "Input/Output items" for the speakerId that you can specify.
speechRate	Number (Fraction)	Any	1.00	**Speed of the synthesized speech** - Smaller value：Slower - Lager value：Faster 【Limitations】 - Value range：0.50〜2.00 - Step size：0.01

powerRate|Number
(Fraction)|Any|1.00|**Volume of the synthesized speech**
- Smaller value：Lower volume
- Larger value：Larger volume
　【Limitations】
- Value range：0.00〜5.00
- Step size：0.01|
intonation|Number
(Integer)|Any|10|**Range on the intonation of the synthesized speech**
- Smaller value：Lower range
- Larger value：Higher range
　【Limitations】
- Value range：1〜20
- Step size：1|
pitch|Number
(Integer)|Any|12|**Pitch of the synthesized speech**

- Smaller value：Lower pitch
- Larger value：Higher pitch
  【Limitations】
- Value range：1〜20
- Step size：1|

Request sample(cURL)

- With only the required parameters

```
curl -o result.raw -X POST -H "Content-Type: application/json;charset=UTF-8" -H
"Authorization: Bearer [access token]" -d '{"text": "今日は晴れです。", "speakerId": "
ja_JP-M-S0001-T001-E01-SR0"}' [API Base URL]/tts/v1/sequential_tts
```

- All parameters

```
curl -o result.wav -X POST -H "Content-Type: application/json;charset=UTF-8" -H "Accept:
text/plain" -H "Authorization: Bearer [access token]" -d '{"text": "キョーワ[,01]ハレデス
^[.02]", "textType": "utterance", "speakerId": " ja_JP-M-S0001-T001-E01-SR0",
"speechRate": "1.25", "powerRate": "2.0", "intonation": 5, "pitch": 15 }' [API Base
URL]/tts/v1/sequential_tts
```

Response

The sampling rate of the returned audio data is `22,050Hz`.

Response Header

Key Name	Description
Content-Type	**MIME Type of received data** Following values are returned depending on the value set in Accept in the request header. - audio/L16：audio/L16 - text/plain：text/plain
Transfer-Encoding	**Encoding format used for transfer** chunked

Response Body

Key Name	Data Type	Description
-	Number (Integer)	**Audio data size** Number of bytes of audio data
-	Binary or String	**Audio data** Following values are returned depending on the value set in Accept in the request header. - audio/L16：16bit LinearPCM Raw format audio binary - text/plain：Base64 encoded audio data

Response Sample

```
Chunk 1 audio data size
Chunk 1 audio data (binary or text)
Chunk 2 audio data size
Chunk 2 audio data (binary or text)
 . . .
Chunk N audio data size
Chunk N audio data (binary or text)
0
```

Response on Error

Response Header

Key Name	Description
Content-Type	**MIME Type of received data** application/json

Response Body

Key Name	Data Type	Description
code	String	**Error code** Used when making inquiries.
detail	String	**Error details** Information about the error response. Please refer to here for details.

HTTP Status Code

Response Code	Description and Solutions
400 Bad Request	The input parameter is invalid. Please refer to the details of the key pairs in the response body and [here](#). Then, specify the correct parameter. *Examples of invalid input parameters include: - The value of the parameter is out of range. - A single-byte character is used in a parameter that can only use double-byte characters. - A parameter that does not exist is specified.
401 Unauthorized	Access Token is invalid(expiration etc.). Please specify a valid Access Token.
404 Not Found	The requested resource cannot be found. Please confirm URL and HTTP method.
406 Not Acceptable	Accept in the request header is invalid. Please confirm the content of it.
413 Request Entity Too Large	Request was rejected because the size of the entire request data exceeded the upper limit. Please confirm the request data.
415 Unsupported Media Type	Content-Type is invalid. Please confirm Content-Type in the request header.
500 internal Server Error	An error occurred inside the server. Please confirm the content of the request. If the problem persists, please contact us through [contact form](#)

3.Pronunciation analysis

An API for converting plain text input into pronunciation text. (Japanese language only)
This pronunciation text can also be used as input in [1.Speech synthesis](#) and [2.Sequential speech synthesis](#).
*For pronunciation text, please check ["Pronunciation text" in "Input/Output items"](#).

HTTP Request

```
POST [API Base URL]/tts/v1/text_analyze
```

Request Header

Key Name	Required	Description
Content-Type	Required	**MIME Type of sent data** application/json;charset=UTF-8
Authorization	Required	**Access token** Specify in the following format. Bearer [Access Token]

Request Body

Key Name	Data Type	Required	Default Value	Description
text	String	Required	-	**Text to be analyzed** Specify plain text to be analyzed. 【Limitations】 Maximum number of characters：500[characters]
lang	String	Required	-	**Language type** Specify language type of the text to be analyzed. - ja_JP : Japanese 【Limitations】 Only "ja_JP" can be specified.

Request sample(cURL)

```
curl -X POST -H "Content-Type: application/json;charset=UTF-8" -H "Authorization: Bearer
[access token]" -d '{"text": "今日は晴れです。", "lang": " ja_JP"}' [API Base
URL]/tts/v1/text_analyze
```

Response

Response Header

Key Name	Description
Content-Type	**MIME Type of received data** text/plain

Response Body

Key Name	Data Type	Description
-	String	**pronunciation text** For pronunciation text, please refer to "Pronunciation text" in "Input/Output items".

Response Sample

```
キョーワ[,01]ハレデス^[.02]
```

Response on Error

Response Header

Key Name	Description
Content-Type	**MIME Type of received data** application/json

Response Body

Key Name	Data Type	Description
code	String	**Error code** Used when making inquiries.
detail	String	**Error details** Information about the error response. Please refer to here for details.

HTTP Status Code

Response Code	Description and Solutions
400 Bad Request	The input parameter is invalid. Please refer to the details of the key pairs in the response body and here. Then, specify the correct parameter. *Examples of invalid input parameters include: - The value of the parameter is out of range. - A single-byte character is used in a parameter that can only use double-byte characters. - A parameter that does not exist is specified.
401 Unauthorized	Access Token is invalid(expiration etc.). Please specify a valid Access Token.
404 Not Found	The requested resource cannot be found. Please confirm URL and HTTP method.
406 Not Acceptable	Accept in the request header is invalid. Please confirm the content of it.
413 Request Entity Too Large	Request was rejected because the size of the entire request data exceeded the upper limit. Please confirm the request data.
415 Unsupported Media Type	Content-Type is invalid. Please confirm Content-Type in the request header.
500 internal Server Error	An error occurred inside the server. Please confirm the content of the request. If the problem persists, please contact us through contact form

4.Registering records in the word dictionary

An API for registering a record that defines how the engine should pronounce the word in the word dictionary. (Japanese Language only)
This API is useful when the default pronunciation is unnatural.
*The maximum number of records that can be registered is **5000 records**.

HTTP Request

```
POST [API Base URL]/tts/v1/dicts/word_dicts/{lang}
```

URI parameter

Key Name	Data Type	Required	Default Value	Description
lang	String	Required	-	**Language type** - ja_JP : Japanese

Request Header

Key Name	Required	Description
Content-Type	Required	**MIME Type of sent data** application/json;charset=UTF-8
Authorization	Required	**Access token** Specify in the following format. Bearer [Access Token]

Request Body

Key Name	Data Type	Required	Default Value	Description
target	String	Required	-	**Word** Specify the word to be registered in the dictionary. 【Limitations】 Maximum number of characters：45[characters] Please refer to "Word" in "Input/Output items" for the format of the word. Duplicate registration of combinations of notation and parts of speech is not possible.
partOfSpeech	String	Required	-	**Part of speech of the word** Specify the part of speech of the word. 【Limitations】 Please refer to "Part of speech that can be specified" in "Input/Output items" for the part of speech that can be specified.
pronunciation	String	Required	-	**Pronunciation of the word** Specify the pronunciation of the word. 【Limitations】 Maximum number of characters：45[characters] An empty string ("pronunciation":"") can be specified. If an empty string is specified, the speech for the word is not synthesized. Please refer to "Pronunciation and Accent of the word" in "Input/Output items"for the pronunciation of the word.

Request sample(cURL)

```
curl -X POST -H "Content-Type: application/json;charset=UTF-8" -H "Authorization: Bearer
[access token]" -d '{"target": "辞書/データ/1", "partOfSpeech": "普通名詞", "pronunciation":
"ジショ/デ'\''ータ/イチ"}' [API Base URL]/tts/v1/dicts/word_dicts/ja_JP
```

Response

Response Header

Key Name	Description
Content-Type	**MIME Type of received data** application/json
Location	**Created resource path** URI for the created record

Response Body

Key Name	Data Type	Description
dictDataId	Number (Integer)	**ID of the registered record**
target	String	**The registered word**
partOfSpeech	String	**The part of speech of the word**
pronunciation	String	**The pronunciation of the word**
createdAt	String	**The created date of the registered word** This is expressed in RFC3339 format.
updatedAt	String	**The updated date of the registered word** This is expressed in RFC3339 format.

Response Sample

```
{
  "dictDataId": 1,
  "target": "辞書/データ/1",
  "partOfSpeech": "普通名詞",
  "pronunciation": "ジショ/デ'ータ/イチ",
  "createdAt": "2019-07-01T11:25:49+09:00",
  "updatedAt": "2019-07-01T11:25:49+09:00"
}
```

Response on Error

Response Header

Key Name	Description
Content-Type	**MIME Type of received data** application/json

Response Body

Key Name	Data Type	Description
code	String	**Error code** Used when making inquiries.
detail	String	**Error details** Information about the error response. Please refer to [here](#) for details.

HTTP Status Code

Response Code	Description and Solutions
400 Bad Request	The input parameter is invalid. Please refer to the details of the key pairs in the response body and [here](#). Then, specify the correct parameter. *Examples of invalid input parameters include: - The value of the parameter is out of range. - A single-byte character is used in a parameter that can only use double-byte characters. - A parameter that does not exist is specified.
401 Unauthorized	Access Token is invalid(expiration etc.). Please specify a valid Access Token.
404 Not Found	The requested resource cannot be found. Please confirm URL and HTTP method.
406 Not Acceptable	Accept in the request header is invalid. Please confirm the content of it.
409 Conflict	The record you are trying to create is in conflict. Please check the contents of the record to be created or the record that has been created.
413 Request Entity Too Large	Request was rejected because the size of the entire request data exceeded the upper limit. Please confirm the request data.
415 Unsupported Media Type	Content-Type is invalid. Please confirm Content-Type in the request header.
500 internal Server Error	An error occurred inside the server. Please confirm the content of the request. If the problem persists, please contact us through [contact form](#)

5.Displaying records in the word dictionary

An API for getting a list of records registered in the word dictionary. (Japanese language only)

HTTP Request

```
GET [API Base URL]/tts/v1/dicts/word_dicts/{lang}?{target, dictDataId, page, limit, sort}
```

URI parameter

Key Name	Data Type	Required	Default Value	Description
lang	String	Required	-	**Language type** - ja_JP : Japanese
target	String	Any	-	**Word** Specify the word to be acquired Partial match search is possible. 【Limitations】 Maximum number of characters : 45[characters] *If an empty string is specified, target is ignored.
dictDataId	Number (Integer)	Any	-	**ID of the record** Specify the ID of the record to be acquired. If dictDataId is specified, parameters other than the required parameters are ignored. *If an empty string is specified, dictDataId is ignored. If dictDataId that does not have the corresponding record is specified, an empty array is returned.
page	Number (Integer)	Any	1	**Reference page number** Specify the page number that you want in the list of the retrieved records. 【Limitations】 Value range : 1～5000 *If there are no records in the page, an empty array is returned.
limit	Number(Integer)	Any	25	**Number of acquisitions per page** Specify the number of retrieved records per page. 【Limitations】 Value range : 1～5000 *If the number of registered records is less than the "limit" value, all records is returned on the first page.

Key Name	Data Type	Required	Default Value	Description
sort	String	Any	createdAt	**How to sort** Specify the sort order of the records to be acquired. Sort items that can be specified are as follows. - target : word - pronunciation : pronuncitaion of the word - createdAt : created date of the record - updatedAt : updated date of the record Although the default is ascending order, you can specify descending order by adding a half-width hyphen (-) before each sort item. When sorting by multiple items, specify them by separating with half-width commas. for example : sort=target,-createdAt

Request Header

Key Name	Required	Description
Content-Type	Required	**MIME Type of sent data** application/json;charset=UTF-8
Authorization	Required	**Access token** Specify in the following format. Bearer [Access Token]

Request sample(cURL)

- With only the required parameters

```
curl -H "Authorization: Bearer [access token]" [API Base
URL]/tts/v1/dicts/word_dicts/ja_JP
```

- All parameters

```
curl -H "Authorization: Bearer [access token]" "[API Base
URL]/tts/v1/dicts/word_dicts/ja_JP?target=辞書&page=1&limit=20&sort=target,-
pronunciation,-createdAt,updatedAt"
```

Response

Response Header

Key Name	Description
Content-Type	**MIME Type of received data** application/json
X-Total-Count	**The count of the targets that hits the criteria**

Response Body

Key Name	Data Type	Description
dictData	Array[Object]	An array of elements containing the following keys
dictDataId	Number (Integer)	**ID of the acquired record**
target	String	**The acquired word**
partOfSpeech	String	**The part of speech of the acquired word**
pronunciation	String	**The pronunciation of the acquired word**
createdAt	String	**The created date of the acquired word** This is expressed in RFC3339 format.
updatedAt	String	**The updated date of the acquired word** This is expressed in RFC3339 format.

Response Sample

```
{
  dictData: [
    {
      "dictDataId": 1,
      "target": "辞書/データ/1",
      "partOfSpeech": "Common noun",
      "pronunciation: "ジショ/デ'ータ/イチ",
      "createdAt": "2019-07-01T11:25:49+09:00",
      "updatedAt": "2019-07-01T11:25:49+09:00"
    },
    {
      "dictDataId": 2,
      "target": "辞書/データ/2",
      "partOfSpeech": "Proper noun",
      "pronunciation: "ジショ/デ'ータ/ニ",
      "createdAt": "2019-07-01T11:25:50+09:00",
      "updatedAt": "2019-07-01T11:25:50+09:00"
    }
  ]
}
```

Response on Error

Response Header

Key Name	Description
Content-Type	**MIME Type of received data** application/json

Response Body

Key Name	Data Type	Description
code	String	**Error code** Used when making inquiries.
detail	String	**Error details** Information about the error response. Please refer to here for details.

HTTP Status Code

Response Code	Description and Solutions
400 Bad Request	The input parameter is invalid. Please refer to the details of the key pairs in the response body and here. Then, specify the correct parameter. *Examples of invalid input parameters include: - The value of the parameter is out of range. - A single-byte character is used in a parameter that can only use double-byte characters. - A parameter that does not exist is specified.
401 Unauthorized	Access Token is invalid(expiration etc.). Please specify a valid Access Token.
404 Not Found	The requested resource cannot be found. Please confirm URL and HTTP method.
406 Not Acceptable	Accept in the request header is invalid. Please confirm the content of it.
413 Request Entity Too Large	Request was rejected because the size of the entire request data exceeded the upper limit. Please confirm the request data.
415 Unsupported Media Type	Content-Type is invalid. Please confirm Content-Type in the request header.
500 internal Server Error	An error occurred inside the server. Please confirm the content of the request. If the problem persists, please contact us through contact form

6.Updating records in the word dictionary

An API for updating the registered record. (Japanese language only)

HTTP Request

```
PUT [API Base URL]/tts/v1/dicts/word_dicts/{lang}/{dictDataId}
```

URI parameter

Key Name	Data Type	Required	Default Value	Description
lang	String	Required	-	**Language type** - ja_JP : Japanese
dictDataId	Number (Integer)	Required	-	**ID of the record** Specify the ID of the record to be updated.

Request Header

Key Name	Required	Description
Content-Type	Required	**MIME Type of sent data** application/json;charset=UTF-8
Authorization	Required	**Access token** Specify in the following format. Bearer [Access Token]
X-HTTP-Method-Override	Any	**Processing method for the request** PUT Required if the HTTP method is POST.

Request Body

Key Name	Data Type	Required	Default Value	Description
target	String	Any	-	**Word** Specify the word to be updated. 【Limitations】 Maximum number of characters：45[characters] Please refer to "Word" in "Input/Output items" for the format of the word. Duplicate registration of combinations of notation and parts of speech is not possible.
partOfSpeech	String	Any	-	**Part of speech of the word** Specify the part of speech of the word. 【Limitations】 Please refer to "Part of speech that can be specified" in "Input/Output items" for the part of speech that can be specified.
pronunciation	String	Any	-	**Pronunciation of the word** Specify the pronunciation of the word. 【Limitations】 Maximum number of characters：45[characters] An empty string ("pronunciation":"") can be specified. If an empty string is specified, the speech for the word is not synthesized. Please refer to "Pronunciation and Accent of the word" in "Input/Output items"for the pronunciation of the word.

*If all keys are omitted, HTTP Status Code `400 Bad Request` is returned.

Request sample(cURL)

- Update only word

```
curl -X PUT -H "Content-Type: application/json" -H "Authorization: Bearer [access token]"
-d '{"target": "辞書/データ/3"}' [API Base URL]/tts/v1/dicts/word_dicts/ja_JP/1
```

- Update all contents

```
curl -X PUT -H "Content-Type: application/json" -H "Authorization: Bearer [access token]"
-d '{"target": "辞書/データ/4", "partOfSpeech": "名", "pronunciation": "ジショ/デ'\''ータ/ヨ
ン"}' [API Base URL]/tts/v1/dicts/word_dicts/ja_JP/1
```

Response

Response Header

Key Name	Description
Content-Type	**MIME Type of received data** application/json

Response Body

Key Name	Data Type	Description
dictDataId	Number (Integer)	**ID of the updated record**
target	String	**The updated word**
partOfSpeech	String	**The part of speech of the updated word**
pronunciation	String	**The pronunciation of the updated word**
createdAt	String	**The created date of the updated word** This is expressed in RFC3339 format.
updatedAt	String	**The updated date of the updated word** This is expressed in RFC3339 format.

Response Sample

```
{
  "dictDataId": 1,
  "target": "辞書/データ/3",
  "partOfSpeech": "名",
  "pronunciation: "ジショ/デ'ータ/サン",
  "createdAt": "2019-07-01T11:25:49+09:00",
  "updatedAt": "2019-07-02T09:30:21+09:00"
}
```

Response on Error

Response Header

Key Name	Description
Content-Type	**MIME Type of received data** application/json

Response Body

Key Name	Data Type	Description
code	String	**Error code** Used when making inquiries.
detail	String	**Error details** Information about the error response. Please refer to here for details.

HTTP Status Code

Response Code	Description and Solutions
400 Bad Request	The input parameter is invalid. Please refer to the details of the key pairs in the response body and [here](#). Then, specify the correct parameter. *Examples of invalid input parameters include: - The value of the parameter is out of range. - A single-byte character is used in a parameter that can only use double-byte characters. - A parameter that does not exist is specified.
401 Unauthorized	Access Token is invalid(expiration etc.). Please specify a valid Access Token.
404 Not Found	The requested resource cannot be found. Please confirm URL and HTTP method.
406 Not Acceptable	Accept in the request header is invalid. Please confirm the content of it.
409 Conflict	The record you are trying to update is in conflict. Please check the contents of the record to be updated or the record that has been created.
413 Request Entity Too Large	Request was rejected because the size of the entire request data exceeded the upper limit. Please confirm the request data.
415 Unsupported Media Type	Content-Type is invalid. Please confirm Content-Type in the request header.
500 internal Server Error	An error occurred inside the server. Please confirm the content of the request. If the problem persists, please contact us through [contact form](#)

7.Deleting records in the word dictionary

An API for deleting a record registered in the word dictionary. (Japanese language only)

HTTP Request

```
DELETE [API Base URL]/tts/v1/dicts/word_dicts/{lang}/{dictDataId}
```

URI parameter

Key Name	Data Type	Required	Default Value	Description
lang	String	Required	-	**Language type** - ja_JP : Japanese
dictDataId	Number (Integer)	Required	-	**ID of the record** Specify the ID of the record to be deleted.

Request Header

Key Name	Required	Description
Content-Type	Required	**MIME Type of sent data** application/json;charset=UTF-8
Authorization	Required	**Access token** Specify in the following format. Bearer [Access Token]
X-HTTP-Method-Override	Any	**Processing method for the request** DELETE Required if the HTTP method is POST.

Request sample(cURL)

```
curl -X DELETE -H "Authorization: Bearer [access token]" [API Base
URL]/tts/v1/dicts/word_dicts/ja_JP/1
```

Response

HTTP Status `204 - No Content` is returned.

Response on Error

Response Header

Key Name	Description
Content-Type	**MIME Type of received data** application/json

Response Body

Key Name	Data Type	Description
code	String	**Error code** Used when making inquiries.
detail	String	**Error details** Information about the error response. Please refer to here for details.

HTTP Status Code

Response Code	Description and Solutions
400 Bad Request	The input parameter is invalid. Please refer to the details of the key pairs in the response body and [here](#). Then, specify the correct parameter. *Examples of invalid input parameters include: - The value of the parameter is out of range. - A single-byte character is used in a parameter that can only use double-byte characters. - A parameter that does not exist is specified.
401 Unauthorized	Access Token is invalid(expiration etc.). Please specify a valid Access Token.
404 Not Found	The requested resource cannot be found. Please confirm URL and HTTP method.
413 Request Entity Too Large	Request was rejected because the size of the entire request data exceeded the upper limit. Please confirm the request data.
415 Unsupported Media Type	Content-Type is invalid. Please confirm Content-Type in the request header.
500 internal Server Error	An error occurred inside the server. Please confirm the content of the request. If the problem persists, please contact us through [contact form](#)

8.Registering records in the sentence dictionary

An API for registering a record that defines how the engine should pronounce the sentence in the sentence dictionary. (Japanese Language only)
This API is useful when the default pronunciation is unnatural.
How to pronounce is defined by ["Pronunciation text" in "Input/Output items"](#).
*The maximum number of records that can be registered is 5000 records.

HTTP Request

```
POST [API Base URL]/tts/v1/dicts/sentence_dicts/{lang}
```

URI parameter

Key Name	Data Type	Required	Default Value	Description
lang	String	Required	-	**Language type** - ja_JP : Japanese

Request Header

Key Name	Required	Description
Content-Type	Required	**MIME Type of sent data** application/json;charset=UTF-8
Authorization	Required	**Access token** Specify in the following format. Bearer [Access Token]

Request Body

Key Name	Data Type	Required	Default Value	Description
target	String	Required	-	**Sentence** Specify the sentence to be registered in the dictionary using plain text. 【Limitations】 Maximum number of characters：150[characters] You cannot register the same sentence that has already been registered.
utterance	String	Required	-	**Pronunciation text** Specify the pronunciation using pronunciation text. 【Limitations】 Maximum number of characters：360[characters] Please refer to "Pronunciation text" in "Input/Output items" for the format of pronunciation text

Request sample(cURL)

```
curl -X POST -H "Content-Type: application/json;charset=UTF-8" -H "Authorization: Bearer
[access token]" -d '{"target": "これは文辞書データ１です。", "utterance": "コレワ[,00]ブンジショ
データ[/05]イチデス^[.02]"}' [API Base URL]/tts/v1/dicts/sentence_dicts/ja_JP
```

Response

Response Header

Key Name	Description
Content-Type	**MIME Type of received data** application/json
Location	**Created resource path** URI for the created record

Response Body

Key Name	Data Type	Description
dictDataId	Number (Integer)	**ID of the registered record**
target	String	**The registered sentence**
utterance	String	**Registered pronunciation text**
createdAt	String	**The created date of the registered sentence** This is expressed in RFC3339 format.
updatedAt	String	**The updated date of the registered sentence** This is expressed in RFC3339 format.

Response Sample

```
{
  "dictDataId": 1,
  "target": "これは文辞書データ１です。",
  "utterance": "コレワ[,00]ブンジショデータ[/05]イチデス^[.02]",
  "createdAt": "2019-07-01T11:25:49+09:00",
  "updatedAt": "2019-07-01T11:25:49+09:00"
}
```

Response on Error

Response Header

Key Name	Description
Content-Type	**MIME Type of received data** application/json

Response Body

Key Name	Data Type	Description
code	String	**Error code** Used when making inquiries.
detail	String	**Error details** Information about the error response. Please refer to here for details.

HTTP Status Code

Response Code	Description and Solutions
400 Bad Request	The input parameter is invalid. Please refer to the details of the key pairs in the response body and here. Then, specify the correct parameter. *Examples of invalid input parameters include: - The value of the parameter is out of range. - A single-byte character is used in a parameter that can only use double-byte characters. - A parameter that does not exist is specified.
401 Unauthorized	Access Token is invalid(expiration etc.). Please specify a valid Access Token.
404 Not Found	The requested resource cannot be found. Please confirm URL and HTTP method.
406 Not Acceptable	Accept in the request header is invalid. Please confirm the content of it.
409 Conflict	The record you are trying to create is in conflict. Please check the contents of the record to be created or the record that has been created.
413 Request Entity Too Large	Request was rejected because the size of the entire request data exceeded the upper limit. Please confirm the request data.
415 Unsupported Media Type	Content-Type is invalid. Please confirm Content-Type in the request header.
500 internal Server Error	An error occurred inside the server. Please confirm the content of the request. If the problem persists, please contact us through contact form

9.Displaying records in the sentence dictionary

An API for getting a list of records registered in the sentence dictionary. (Japanese language only)

HTTP Request

```
GET [API Base URL]/tts/v1/dicts/sentence_dicts/{lang}?{target, dictDataId, page, limit, sort}
```

URI parameter

Key Name	Data Type	Required	Default Value	Description
lang	String	Required	-	**Language type** - ja_JP：Japanese
target	String	Any	-	**Sentence** Specify the sentence to be acquired in plain text. Partial match search is possible. 【Limitations】 Maximum number of characters：150[characters] *If an empty string is specified, target is ignored.
dictDataId	Number (Integer)	Any	-	**ID of the record** Specify the ID of the record to be acquired. If dictDataId is specified, parameters other than the required parameters are ignored. *If an empty string is specified, dictDataId is ignored. If dictDataId that does not have the corresponding record is specified, an empty array is returned.
page	Number (Integer)	Any	1	**Reference page number** Specify the page number that you want in the list of the retrieved records. 【Limitations】 Value range：1〜5000 *If there are no records in the page, an empty array is returned.
limit	Number(Integer)	Any	25	**Number of acquisitions per page** ecify the number of retrieved records per page. 【Limitations】 Value range：1〜5000 *If the number of registered records is less than the "limit" value, all records is returned on the first page.

Key Name	Data Type	Required	Default Value	Description
sort	String	Any	createdAt	**How to sort** Specify the sort order of the records to be acquired. Sort items that can be specified are as follows. - target : sentence - utterance : pronunciation text - createdAt : created date of the record - updatedAt : updated date of the record Although the default is ascending order, you can specify descending order by adding a half-width hyphen (-) before each sort item. When sorting by multiple items, specify them by separating with half-width commas. for example : sort=target,-createdAt

Request Header

Key Name	Required	Description
Content-Type	Required	**MIME Type of sent data** application/json;charset=UTF-8
Authorization	Required	**Access token** Specify in the following format. Bearer [Access Token]

Request sample(cURL)

- With only the required parameters

```
curl -H "Authorization: Bearer [access token]" [API Base
URL]/tts/v1/dicts/sentence_dicts/ja_JP
```

- All parameters

```
curl -H "Authorization: Bearer [access token]" "[API Base
URL]/tts/v1/dicts/sentence_dicts/ja_JP?target=辞書&page=1&limit=20&sort=target,-
utterance,-createdAt,updatedAt"
```

Response

Response Header

Key Name	Description
Content-Type	**MIME Type of received data** application/json
X-Total-Count	**The count of the targets that hits the criteria**

Response Body

Key Name	Data Type	Description
dictData	Array[Object]	An array of elements containing the following keys:
dictDataId	Number (Integer)	**ID of the acquired record**
target	String	**The acquired sentence**
utterance	String	**Acquired pronunciation text**
createdAt	String	**The created date of the acquired sentence** This is expressed in RFC3339 format.
updatedAt	String	**The updated date of the acquired sentence** This is expressed in RFC3339 format.

Response Sample

```
{
  dictData: [
    {
      "dictDataId": 1,
      "target": "これは文辞書データ１です。",
      "utterance": "コレワ[,00]ブンジショデータ[/05]イチデス^[.02]",
      "createdAt": "2019-07-01T11:25:49+09:00",
      "updatedAt": "2019-07-02T09:30:21+09:00"
    },
    {
      "dictDataId": 2,
      "target": "辞書/データ/2",
      "utterance": "コレワ[,00]ブンジショデータ[/05]ニデス^[.02]",
      "createdAt": "2019-07-01T11:26:30+09:00",
      "updatedAt": "2019-07-01T11:26:30+09:00"
    }
  ]
}
```

Response on Error

Response Header

Key Name	Description
Content-Type	**MIME Type of received data** application/json

Response Body

Key Name	Data Type	Description
code	String	**Error code** Used when making inquiries.
detail	String	**Error details** Information about the error response. Please refer to [here](#) for details.

HTTP Status Code

Response Code	Description and Solutions
400 Bad Request	The input parameter is invalid. Please refer to the details of the key pairs in the response body and [here](#). Then, specify the correct parameter. *Examples of invalid input parameters include: - The value of the parameter is out of range. - A single-byte character is used in a parameter that can only use double-byte characters. - A parameter that does not exist is specified.
401 Unauthorized	Access Token is invalid(expiration etc.). Please specify a valid Access Token.
404 Not Found	The requested resource cannot be found. Please confirm URL and HTTP method.
406 Not Acceptable	Accept in the request header is invalid. Please confirm the content of it.
413 Request Entity Too Large	Request was rejected because the size of the entire request data exceeded the upper limit. Please confirm the request data.
415 Unsupported Media Type	Content-Type is invalid. Please confirm Content-Type in the request header.
500 internal Server Error	An error occurred inside the server. Please confirm the content of the request. If the problem persists, please contact us through [contact form](#)

10.Updating records in the sentence dictionary

An API for updating the registered record. (Japanese language only)

HTTP Request

```
PUT [API Base URL]/tts/v1/dicts/sentence_dicts/{lang}/{dictDataId}
```

URI parameter

Key Name	Data Type	Required	Default Value	Description
lang	String	Required	-	**Language type** - ja_JP : Japanese
dictDataId	Number (Integer)	Required	-	**ID of the record** Specify the ID of the record to be updated.

Request Header

Key Name	Required	Description
Content-Type	Required	**MIME Type of sent data** application/json;charset=UTF-8
Authorization	Required	**Access token** Specify in the following format. Bearer [Access Token]
X-HTTP-Method-Override	Any	**Processing method for the request** PUT Required if the HTTP method is POST.

Request Body

Key Name	Data Type	Required	Default Value	Description
target	String	Any	-	**Sentence** Specify the sentence to be updated in the dictionary using plain text. 【Limitations】 Maximum number of characters：150[characters] You cannot update the same sentence that has already been registered.
utterance	String	Any	-	**Pronunciation text** Specify the pronunciation using pronunciation text. 【Limitations】 Maximum number of characters：360[characters] Please refer to ["Pronunciation text" in "Input/Output items"](#) for the format of pronunciation text.

*If all keys are omitted, HTTP Status Code `400 Bad Request` is returned.

Request sample(cURL)

- Update only word

```
curl -X PUT -H "Content-Type: application/json;charset=UTF-8" -H "Authorization: Bearer
[access token]" -d '{"target": "これは文辞書データ３です。"}' [API Base
URL]/tts/v1/dicts/sentence_dicts/ja_JP/1
```

- Update all contents

```
curl -X PUT -H "Content-Type: application/json;charset=UTF-8" -H "Authorization: Bearer
[access token]" -d '{"target": "これは文辞書データ4です。", "utterance": "コレワ[,00]ブンジショ
データ[/05]ヨンデス^[.03]"}' [API Base URL]/tts/v1/dicts/sentence_dicts/ja_JP/1
```

Response

Response Header

Key Name	Description
Content-Type	**MIME Type of received data** application/json

Response Body

Key Name	Data Type	Description
dictDataId	Number (Integer)	**ID of the updated record**
target	String	**The updated sentence**
utterance	String	**Updated pronunciation text**
createdAt	String	**The created date of the updated sentence** This is expressed in RFC3339 format.
updatedAt	String	**The updated date of the updated sentence** This is expressed in RFC3339 format.

Response Sample

```
{
  "dictDataId": 1,
  "target": "これは文辞書データ3です。",
  "utterance": "コレワ[,00]ブンジショデータ[/05]サンデス^[.03]",
  "createdAt": "2019-07-01T11:25:49+09:00",
  "updatedAt": "2019-07-02T09:30:21+09:00"
}
```

Response on Error

Response Header

Key Name	Description
Content-Type	**MIME Type of received data** application/json

Response Body

Key Name	Data Type	Description
code	String	**Error code** Used when making inquiries.
detail	String	**Error details** Information about the error response. Please refer to [here] for details.

HTTP Status Code

Response Code	Description and Solutions
400 Bad Request	The input parameter is invalid. Please refer to the details of the key pairs in the response body and [here]. Then, specify the correct parameter. *Examples of invalid input parameters include: - The value of the parameter is out of range. - A single-byte character is used in a parameter that can only use double-byte characters. - A parameter that does not exist is specified.
401 Unauthorized	Access Token is invalid(expiration etc.). Please specify a valid Access Token.
404 Not Found	The requested resource cannot be found. Please confirm URL and HTTP method.
406 Not Acceptable	Accept in the request header is invalid. Please confirm the content of it.
409 Conflict	The record you are trying to update is in conflict. Please check the contents of the record to be updated or the record that has been created.
413 Request Entity Too Large	Request was rejected because the size of the entire request data exceeded the upper limit. Please confirm the request data.
415 Unsupported Media Type	Content-Type is invalid. Please confirm Content-Type in the request header.
500 internal Server Error	An error occurred inside the server. Please confirm the content of the request. If the problem persists, please contact us through [contact form]

11.Deleting records in the sentence dictionary

An API for deleting a record registered in the sentence dictionary. (Japanese language only)

HTTP Request

```
DELETE [API Base URL]/tts/v1/dicts/sentence_dicts/{lang}/{dictDataId}
```

URI parameter

Key Name	Data Type	Required	Default Value	Description
lang	String	Required	-	**Language type** - ja_JP : Japanese
dictDataId	Number (Integer)	Required	-	**ID of the record** Specify the ID of the record to be deleted.

Request Header

Key Name	Required	Description
Content-Type	Required	**MIME Type of sent data** application/json;charset=UTF-8
Authorization	Required	**Access token** Specify in the following format. Bearer [Access Token]
X-HTTP-Method-Override	Any	**Processing method for the request** DELETE Required if the HTTP method is POST.

Request sample(cURL)

```
curl -X DELETE -H "Authorization: Bearer [access token]" [API Base
URL]/tts/v1/dicts/sentence_dicts/ja_JP/1
```

Response

HTTP Status `204 - No Content` is returned.

Response on Error

Response Header

Key Name	Description
Content-Type	**MIME Type of received data** application/json

Response Body

Key Name	Data Type	Description
code	String	**Error code** Used when making inquiries.
detail	String	**Error details** Information about the error response. Please refer to here for details.

HTTP Status Code

Response Code	Description and Solutions
400 Bad Request	The input parameter is invalid. Please refer to the details of the key pairs in the response body and [here](#). Then, specify the correct parameter. *Examples of invalid input parameters include: - The value of the parameter is out of range. - A single-byte character is used in a parameter that can only use double-byte characters. - A parameter that does not exist is specified.
401 Unauthorized	Access Token is invalid(expiration etc.). Please specify a valid Access Token.
404 Not Found	The requested resource cannot be found. Please confirm URL and HTTP method.
413 Request Entity Too Large	Request was rejected because the size of the entire request data exceeded the upper limit. Please confirm the request data.
415 Unsupported Media Type	Content-Type is invalid. Please confirm Content-Type in the request header.
500 internal Server Error	An error occurred inside the server. Please confirm the content of the request. If the problem persists, please contact us through [contact form](#)

Input/Output items (data specifications)

Target text

Text data to be synthesize. This is used when using [1.Speech synthesis](#) API, [2.Sequential speech synthesis](#) API and [3.Pronunciation analysis](#) API.

Plain text

Plain text data with mixed kanji, hiragana, katakana, and alphabet.
*When using English speakers, only single-byte alphanumeric characters can be specified as plain text.

Structure of plain text

```
plain text
```

Component of plain text

Items	Description	Data Type [Character type]	Maximum size	Value range	omission
plain text	Text that can be expressed in UTF-8 If the character code restrictions shown above are not met, the following results may occur in speech synthesis and pronunciation analysis. - error - Different results than expected	String [Full-width, half-width]	500[characters]	-	impossible

Sample

今日はいい天気ですね。明日も晴れです。

Pronunciation text

Pronunciation text is a plain text in a unique format that expresses pronunciation, accents, and tone. This defines a different format for each language.
-Format of pronunciation text
Pronunciation, accent position and combined type is expressed by double-byte katakana, symbols, and numerical values.
Pronunciation text contains one or more accent phrases, combined types, and a group of accent positions, and is composed as follows.

```
Group of accent positions [Combined types Accent positions] Group of accent
positions[Combined types Accent positions]
```

Component of pronunciation text

Items	Description	Data Type [Character type]	Number of Characters	Value Range	Omission
group of accent positions	This is expressed as a concatenation of "Katakana composed of mora units". Group of accent positions has at most one accent. You can specify up to 99 "Katakana composed of mora units". If you add a half-width hat (^) to the "Katakana composed of mora units", it will be de-voiced. For example : 「シュ^」 An error will occur if you add a de-voicing symbol to a "Katakana composed of mora units" that cannot be de-voiced. It is not possible to connect the de-voicing symbol (^) and the long sound symbol (-). For example : - OK : 「ピー」 - NG : 「ピ^ー」 Please refer to "Katakana composed of mora units" that can be used for pronunciation text for available "Katakana composed of mora units". "Katakana composed of mora units" that can be devoted is a gray cell in "Katakana composed of mora units" that can be used for pronunciation text.	String [Full-width half-width]	indefinite	-	impossible

Items	Description	Data Type [Character type]	Number of Characters	Value Range	Omission
combined types	The following seven types exist. - 「/(half-width slash)」、「*(half-width asterisk)」：Specify the combination method that suppresses the inflection of the immediately following group of accent positions. These cannot be specified at the end of the pronunciation text. - %(half-width percent)：Specify the minimal pose. - △(half-width space)：Specify the specified size pose (small pose) to be inserted between group of accent positions. - ,(half-width comma)：Specify the pose (medium pose) corresponding to ",". - .(half-width period)：Specify the pose (large pose) corresponding to ".". - ?(half-width question mark)：Specify the creation of the question tone of the previous group of accent positions and the pose (large pose).	String [half-width symbol]	1	-	impossible
accent positions	Specify the position of the accent by the position from the beginning of group of accent positions (2 digits).If "00" is specified, it means no accent For example：「ワッカナイ[,03]」→The position of the accent is "カ"	Number (Integer) [half-width numbers]	2	00～99	impossible

Sample

These are some samples of plain text and their corresponding pronunciation text.

```
plain text1：今日はいい天気です。
pronunciation text1：キョーワ[/01]イー[/01]テンキデス^[.01]

plain text2：誕生日は10月31日です。
pronunciation text2：タンジョービワ[,03]ジューガツ[/04]サンジュー[*01]イチニチデス^[.04]

plain text3：出身はどちらですか？
pronunciation text3：シュ^ッシンワ[,00]ドチラデス^カ[?01]
```

"Katakana composed of mora units" that can be used for pronunciation text

ア	ヴァ	カ	ガ	クァ	サ	ザ	タ	ダ	ツァ	ナ	ハ	バ	パ	ファ	マ	ヤ	ラ
イ	ヴィ	キ	ギ	クィ	スィ	ズィ	ティ	ディ	ツィ	ニ		ビ	ピ	フィ	ミ		リ
ウ	ヴ	ク	グ		ス	ズ	トゥ	ドゥ	ツ	ヌ		ブ	プ	フ	ム	ユ	ル
エ	ヴェ	ケ	ゲ	クェ	セ	ゼ	テ	デ	ツェ	ネ	ヘ	ベ	ペ	フェ	メ		レ
オ	ヴォ	コ	ゴ	クォ	ソ	ゾ	ト	ド	ツォ	ノ	ホ	ボ	ポ	フォ	モ	ヨ	ロ
ワ	キャ	ギャ	シャ	ジャ	チャ	ヂャ	ヅャ			ニャ	ヒャ	ビャ	ピャ	フャ	ミャ	リャ	ー
ウィ			シ	ジ	チ	ヂ	ヅィ				ヒ						
	キュ	ギュ	シュ	ジュ	チュ	ヂュ	ヅ	テュ	デュ	ニュ	ヒュ	ビュ	ピュ	フュ	ミュ	リュ	ッ
ウェ			シェ	ジェ	チェ	ヂェ	ヅェ				ヒェ						
ウォ	キョ	ギョ	ショ	ジョ	チョ	ヂョ	ヅォ			ニョ	ヒョ	ビョ	ピョ	フョ	ミョ	リョ	ン

*Gray cells can be de-voiced.

List of speaker IDs

Category	Speaker Name	Speaker ID(speakerId)	Attribute
Japanese/male/adult	Japanese/male/adult/01	ja_JP-M-S0001-T001-E01-SR0	-
	Japanese/male/adult/02	ja_JP-M-S0005-T001-E01-SR0	-
	Japanese/male/adult/03	ja_JP-M-S0010-T001-E01-SR0	-
	Japanese/male/adult/04	ja_JP-M-S0013-T001-E01-SR0	-
Japanese/female/adult	Japanese/female/adult/01	ja_JP-F-S0005-T002-E01-SR0	-
	Japanese/female/adult/02	ja_JP-F-S0008-T001-E01-SR0	-
	Japanese/female/adult/03	ja_JP-F-S0014-T001-E01-SR0	-
	Japanese/female/adult/04	ja_JP-F-S0015-T001-E01-SR0	-
Japanese/male/child	Japanese/male/child/01	ja_JP-M-S0004-T001-E01-SR0	-
Japanese/female/child	Japanese/female/child/01	ja_JP-F-S0006-T001-E01-SR0	-
Japanese/male/character	Japanese/male/character/01	ja_JP-M-S0002-T002-E01-SR0	butler
	Japanese/male/character/02	ja_JP-M-S0139-T001-E01-SR0	announcer
Japanese/female/character	Japanese/male/character/01	ja_JP-F-S0001-T003-E01-SR0	anime style
	Japanese/female/character/02	ja_JP-F-S0140-T001-E01-SR0	announcer
English/male/adult	English/male/adult/01	en_US-M-S0001-T001-E01-SR0	-
English/female/adult	English/female/adult/01	en_US-F-S0001-T001-E01-SR0	-

About the word dictionary

Word

Specify the word to register with **double-byte characters** (including spaces).
Multiple words can be separated by half-width slash (/) and specified as one word.
By specifying the accent positions for each of the multiple words to be combined, you can specify multiple accent positions for one word.
In this case, subsequent pronunciation must be separated by half-width slash as well.
For example：

- word：東京都/水道局
- pronunciation：トーキョ'ート/スイド'ーキョク

Pronunciation and Accent of the word

Specify pronunciation of the word to register with "Katakana composed of mora units".
By inserting a half-width apostrophe (') immediately after "Katakana composed of mora units", you can specify the accent positions for the corresponding "Katakana composed of mora units". You can specify up to one accent positions per word.
If you add a half-width hat (^) to the "Katakana composed of mora units", it will be de-voiced.
For example：「シュ^」
An error will occur if you add a de-voicing symbol to a "Katakana composed of mora units" that cannot be de-voiced.
It is not possible to connect both the de-voicing symbol (^) and the long sound symbol (-).
(i.e you cannot use them together)
For example：

- OK：「ピー」
- NG：「ピ^ー」

Please refer to [“Katakana composed of mora units” that can be used for pronunciation text](#) for available "Katakana composed of mora units". "Katakana composed of mora units" that can be devoted is a gray cell in [“Katakana composed of mora units” that can be used for pronunciation text](#).

If half-width slash is used in the word, the same number of half-width slash and pronunciation must be specified. In this case, you can specify the accent positions for each pronunciation.
Half-width slash cannot be specified consecutively or at the beginning or end position.
For example：

- OK：「ヨミ/テキスト」
- NG：「/ヨミテキスト」，「ヨミテキスト/」，「ヨミ//テキスト」

Part of speech that can be specified

Part of Speech	Description	For example
普通名詞	Common noun	うぐいす、アート、花火、学校
固有名詞	Proper noun	ＷＩＮＤＯＷＳ
姓	This is a noun used for the surname of a person's name.	鈴木、山田
名	It is a noun used for the name of a person.	ひろし、一郎
地名	Place name	東京、横浜
組織名	Name of the organization.	ＮＴＴ
サ変名詞	This is a noun that become a verb by appending "do".	学習、カット、発展

Detail list and solutions for errors

Detail	Solution	Remarks
invalid Content-Type	Content-Type in the request header is invalid. Please specify the appropriate Content-Type.	-
invalid Accept header value	Accept in the request header is invalid. Please specify the appropriate Accept.	-
X-HTTP-Method-Override not exist	X-HTTP-Method-Override was omissioned in the API that requires X-HTTP-Method-Override header. Please specify the appropriate X-HTTP-Method-Override.	-
Company-ID is invalid	Invalid Company-ID is specified.	-
specified URL not exist	A URL that does not exist was specified.	-
enter correct URL	The specified resource does not exist. Specify an existing resource.	-
there is no item to delete	The specified resource does not exist and could not delete. Specify an existing resource.	-
warn.invalidUrl	A URL that does not exist was specified.	-
Cannot parse parameter dictDataId as Long: For input string: {value}	A URL for dictDataId that does not exist was specified.	{value} : value
Cannot parse parameter id as Long: For input string: {value}	A URL for dictDataId that does not exist was specified.	{value} : value
Error decoding json body: null	Request Body JSON is not specified. Please specify the correct JSON format.	-
request containing invalid parameters	Failed to parse Request Body JSON. Please specify the correct JSON format.	-
{key} : invalid type({type})	An invalid variable type value was specified for {key}. Please specify an appropriate variable type value.	{key} : key {type} : variable type
{key} : invalid key was specified.	An invalid {key} was specified. Please check the content of the Request Body and specify the correct content.	{key} : key
{key} : must not be blank	The {key} that cannot be omitted has been omitted. Please specify a value for {key}.	{key} : key
{key} : must not be null	Null was specified for the value of {key}. Please specify a non-null value.	{key} : key
{key} : must not be empty	An empty value was specified for {key}. Please specify a non-empty value.	{key} : key
{key} : {value} is invalid	An invalid {value} was specified for {key}. Please specify a correct value.	{key} : key {value} : value

Detail	Solution	Remarks
{key} : Invalid value	An invalid value was specified for {key}. Please specify a correct value.	{key} : key
{key} : invalid format	The value for {key} was specified in an invalid format. Please specify in the correct format.	{key} : key
{key} : must match "{regexp}"	A value that does not match the expression of {regexp} was specified.	Specify a value according to the expression of {regexp}.
{key} : must be greater than or equal to {value}	A value smaller than {value} was specified. Please specify a value greater than or equal to {value}.	{key} : key {value} : numeric
{key} : must be less than or equal to {value}	A value greater than {value} was specified. Please specify a value below {value}.	{key} : key {value} : numeric
{key} : must be less than {value} character	A number of characters longer than {value} was specified for {key}. Please specify the number of characters below {value}.	{key} : key {value} : value
{key} : empty list is not acceptable	An empty array was specified for the value of {key}. Please specify a non-empty array for the {key} value.	{key} : key
{key} : must be between {min} and {max}	A value outside the range of {min} to {max} was specified for {key}. Please specify a number between {min} and {max}.	{key} : key {min} : minimum value {max} : maximum value
{key} : size must be between {min} and {max}	A string length outside the range of {min} to {max} was specified for {key}. Please specify a length between {min} and {max}.	{key} : key {min} : minimum value {max} : maximum value
text : required input item	As a result of pronunciation analysis processing, the text to be read is empty. Please review the requested text or register records in the dictionary.	-
text : Utterance Text NG.	An invalid pronunciation text was specified. Please specify the correct pronunciation text.	-
text : text analyzed result will be more than 1,200 characters	As a result of pronunciation analysis processing, the pronunciation text exceeded 1,200 characters. Please divide the text contents and execute the speech synthesis process.	-
update field is not exist	No value is specified in the Body part of the update API. Please specify the key and value to be updated.	-

Detail	Solution	Remarks
specified item not exist in the dictionary linked to the dict_id	A dictDataID that does not exist was specified. Please check the existence of the dictDataID and specify the existing one.	-
the request could not be completed due to a conflict {key}:	{value} for {key} duplicated existing data. Please specify data that does not duplicate existing data.	{key} : key {value} : value
the request could not be completed due to a conflict with the current state of the resource	The specified data was duplicated with existing data. Please specify data that does not duplicate existing data.	-
error ocurred when Speech Synthesis({content})	As a result of pronunciation analysis processing, the pronunciation text was invalid. Please check the pronunciation text using Pronunciation analysis API, and review the requested text or the records registered in the dictionary.	{content} : contents
error ocurred when Text Analyzing({content})	Pronunciation analysis processing failed. Please review the requested text according to {content}.	{content} : contents
server encountered an internal error which prevented it from fulfilling this request	Please contact us from contact form.	*System internal error occurred
dict {dictType} is not found.	Dictionary does not exist. Please contact us from contact form.	{dictType} : dictionary type
could not parse response body	Please contact us from contact form.	*Unknown error returned from speech synthesis server.