NeoSpeech™ TTS Web Service

Web API Programmer's Guide
Version 1.1

NeoSpeech, Inc.

Revision History

Last revision date: April 13, 2010

Date	Page No.	Revision / Added items
2008.10.31		Released
2009.6.24		General revisions, new voice Julie and 8KHz sampling rate added
2010.04.06		General revisions
2010.04.13		General Revisions

NeoSpeech™ TTS Web Service API

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Chapter 1: Overview

NeoSpeech offers both a SOAP- and REST-based API to access the Text-to-Speech Web Service. From a features, functionality, and performance standpoint, there is no difference between the SOAP- and the REST-based protocols. Both are offered by NeoSpeech in order to allow developers the most flexibility in implementing NeoSpeech's TTS functionality into their respective applications.

Chapter 2: TTS Web Service Servers

The current 1.1 version of the SOAP- and REST-based APIs has two distinct Web Service endpoints:

- https://tts.neospeech.com/soap_1_1.php
- https://tts.neospeech.com/rest_1_1.php

Note that NeoSpeech only offers a production TTS Web Service server, and that there is no "staging" or "test" environment. Development teams that need a "staging" or "test" environment for development purposes are encouraged to use a "Basic" subscription account.

Chapter 3: Making a Web Service Call

The v1.1 version of both the SOAP- and REST-based API contain four different methods:

- ConvertSimple
- ConvertSsml
- ConvertText
- GetConversionStatus

SOAP Protocol

Calls to the SOAP API should be based on the Web Service Description Language (WSDL) file that is located at https://tts.neospeech.com/soap_1_1.php?wsdl.

All SOAP requests should use simple input parameters, as described in both the WSDL file and in the API documentation below.

All SOAP responses are returned as an array of string objects, which contain the names and values of the output parameters. The first element in the array lists the name of each of the output parameters in an ordered, comma-separated list. The rest of the elements in the array are each of the values of the output parameters. Examples of this (in Java, C# and PHP) are shown below in the documentation for each of the API calls.

REST Protocol

REST-based requests can be made one of the following ways:

1.　　Single XML document via POST

Requests to the REST API should be based on a simple, single XML document, which is passed-in in the content-body of a HTTP POST request.

The XML-based requests should have a root XML node whose tag name is the name of the method being invoked. The method's input parameters should be child nodes of the root XML node, where each child node's tag name is the name of the input parameter, and the value of the tag is the value of the input parameter being passed in.

2.　　Query String arguments via GET

Requests should be made using standard query string arguments (e.g. name-value pairs). The name of the method to be invoked should be passed in an additional query string parameter named "method".

3.　　Query String arguments via POST

Similar to GET, except the data for the name-value pairs should be passed-in in the content-body of a HTTP POST request. Use of HTTP POST will allow for larger payloads than HTTP GET requests.

All REST responses (regardless of the request method) are a single-element XML document, with the element's tag being "response" and the element attributes being the name-value pairs of the output parameters.

Examples of the REST requests and responses are shown below in the documentation for each of the API calls.

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Chapter 4: Parameters

Input Parameters: Logging In

Every TTS Web Service API call requires the following in order to authorize and authenticate an account's use of the TTS Web Service system:

- Email address associated with the account
- Account ID
- Login Key
- Password for the Login Key

Email Address

This is simply the email address that is associated with the account being used to access the TTS Web Service system. It is the same email address that is used to access account information on the TTS Web Service website.

Account ID

The Account ID is uniquely generated by the system when the TTS Web Service account is created. It remains the same even if the account plan is upgraded. The Account ID is a 10-digit alphanumeric ID, and it cannot be changed.

It is displayed on the "TTS Web Service Account Overview" screen which is displayed immediately after logging in to the TTS Web Service website (see Figure 1).

Figure 1. Note the AccountID, LoginKey and LoginPassword on the Account Overview page. Users are directed to this page when they first log in to the TTS Web Services website.

Login Key

The Login Key points to the name of the application that is utilizing the TTS Web Service. "Basic" subscribers are defaulted to the name LoginKey. Non-"Basic" subscribers have the opportunity to create new / different login keys, and they have the ability to name them as needed. The only requirements are that login keys be unique, and contain only alphanumeric characters.

If a developer is using an account to implement multiple applications that will access the TTS Web Service, it is recommended that each application use a different login key, in order to ease management and reporting of your TTS Web Service Account.

Examples of login keys include:

- PublicWebsite

- InternalCRM
- HelpDeskApplication
- Etc.

Login Password

Note that the Login Password that is used when making a Web Service call is *different* than the password that is used to access account information on the TTS Web Service website.

Each login key has its own password, which is generated automatically by the TTS Web Service website. See the "TTS Web Service Account Overview" screen for more information.

Other Input Parameters: *voice, outputFormat* and *sampleRate*

Most of the "Convert" methods take in a **voice**, **outputFormat** and **sampleRate** parameter.

The following is a list of valid **voice** values:

- TTS_PAUL_DB
- TTS_KATE_DB
- TTS_JULIE_DB

The following is a list of valid **sampleRate** values:

- 8
- 16

The following is a list of valid **outputFormat** values:

- FORMAT_WAV (16bit linear PCM Wave)
- FORMAT_PCM (16bit linear PCM)
- FORMAT_MULAW (8bit Mu-law PCM)
- FORMAT_ALAW (8bit A-law PCM)
- FORMAT_ADPCM (4bit Dialogic ADPCM)
- FORMAT_OGG (Ogg Vorbis)
- FORMAT_8BITWAV (8bit unsigned linear PCM Wave)
- FORMAT_AWAV (8bit A-law PCM Wave)
- FORMAT_MUWAV (8bit Mu-law PCM Wave)

Note that "Basic" subscribers can *only* use the 16bit linear PCM Wave format.

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Output Parameters: *resultCode* and *resultString*

All methods return, at the very least, a **resultCode** and a corresponding **resultString**. If an error occurred, the server will usually respond with a **resultDescription**, as well. Result codes can be one of the following:

- 0 – success
- -1 – invalid login
- -2 – account inactive
- -3 – account unauthorized
- -4 – invalid or inactive login key
- -5 – invalid conversion number lookup
- -6 – content size is too large (only for "Basic" subscribers)
- -7 – monthly allowance has been exceeded (only for "Basic" subscribers)
- -10 – invalid TTS Voice ID
- -11 – invalid TTS Output Format ID
- -12 – invalid REST request
- -13 – invalid or unavailable TTS Sample Rate
- 1 – invalid SSML (not a valid XML document)
- 2 – invalid SSML (SSML content must begin with a "speak" tag)
- 3 – invalid SSML ("lexicon" tag is not supported)

Also, each conversion itself may have a status code associated with it. Status codes are defined as the following:

- 1 – queued

  the conversion is in the queue to be processed by the TTS engine
- 2 – processing

  the conversion is currently being processed by the TTS engine
- 3 – awaiting completion

  the conversion has been successfully processed by the TTS engine and the resulting sound file is available for download
- 4 – completed

  the conversion has been successfully processed by the TTS engine and the resulting sound file will remain available for download for 24 hours after the time of completion
- 5 – failed

  an error has occurred with the conversion

Chapter 5: Web Service Methods

ConvertSimple

This method can be used by any subscriber.

It queues the content for a simple, straightforward text-to-speech conversion of plaintext content, converting it using the chosen voice to the output format specified.

Note that the conversion is an asynchronous service call. If invoked successfully, the method will return a unique identifier for the conversion, as well as the current-state of the status.

Subsequent calls to **GetConversionStatus** (see below) will be required in order to get updates on the conversion status, and if successful, to ultimately get the URL from which the converted sound file can be downloaded.

Input Parameters
- **email –** the email address associated with the account (see above)
- **accountId –** the Account ID associated with the account (see above)
- **loginKey –** the Login Key associated with the application being used (see above)
- **loginPassword –** the Login Password associated with the Login Key being used (see above)
- **voice –** the TTS Voice ID of the voice to be used for the TTS conversion (e.g. "TTS_PAUL_DB")
- **outputFormat –** the TTS Output Format ID of the format to be used for the TTS conversion (e.g. "FORMAT_WAV"). Note that "Basic" subscribers can *only* use the 16bit linear PCM Wave format.
- **sampleRate –** the sample rate (in kHz) of the converted audio file
- **text** – the text to be converted

Response on Success
- **resultCode** – this will be 0 on success, or non-0 on error (see above for error conditions)
- **resultString** – this will be "success" on success, or a description of the error (see above for error conditions)
- **conversionNumber** – the unique number which is used to identify this conversion (note that numbers are issued in sequential order per account)

- **status** – the status of the current conversion (see above for statuses)
- **statusCode** – the numeric status code of the current conversion (see above for status codes)

Example "Convert Simple" Code – REST Request and XML Response

```
REQUEST (Query String via GET)
 https://tts.neospeech.com/rest_1_1.php?method=ConvertSimple
          &email=jdoe@email.com&accountId=1234567890&loginKey=MyLoginKey
          &loginPassword=1234567890abcdef1234&voice=TTS_PAUL_DB
          &outputFormat=FORMAT_WAV&sampleRate=16&text=The+quick+brown+fox+
          jumps+over+the+lazy+dog.


REQUEST (XML via POST)


      <ConvertSimple>
          <email>jdoe@email.com</email>
          <accountId>1234567890</accountId>
          <loginKey>MyLoginKey</loginKey>
          <loginPassword>1234567890abcdef1234</loginPassword>
          <voice>TTS_PAUL_DB</voice>
          <outputFormat>FORMAT_WAV</outputFormat>
          <sampleRate>16</sampleRate>
          <text>The quick brown fox jumps over the lazy dog.</text>
      </ConvertSimple>


RESPONSE


      <response resultCode="0" resultString="success" conversionNumber="66"
          status="Queued" statusCode="1"/>
```

Example "Convert Simple" Code – SOAP Request in Java

```
// This code sample uses the Apache Axis SOAP Engine for Java
// More information can be found at http://ws.apache.org/axis/java
```

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```java
import org.apache.axis.client.*;

import javax.xml.namespace.QName;


public class Test {

    public static void main(String [] args) {

        try {

            String strEndPoint = "https://tts.neospeech.com/soap_1_1.php";


            org.apache.axis.client.Service objService = new Service();

            org.apache.axis.client.Call objCall = (Call)

                objService.createCall();


            objCall.setTargetEndpointAddress( new java.net.URL(strEndPoint) );

            objCall.setOperationName(

                new QName("https://tts.neospeech.com/soap_1_1.php",

                "ConvertSimple"));


            // Invoke Call to ConvertSimple

            String[] strReturnArray = (String[]) objCall.invoke(new Object[] {

                "jdoe@email.com",

                "1234567890",

                "MyLoginKey",

                "1234567890abcdef1234",

                "TTS_PAUL_DB",

                "FORMAT_WAV",

                16,

                "The quick brown fox jumps over the lazy dog."

            });


            // Iterate through the returned string array

            String[] strIndexArray = strReturnArray[0].split(",");

            for (int intIndex = 1; intIndex < strReturnArray.length;

                intIndex++) {

                System.out.println(

                    strIndexArray[intIndex - 1] + " = " +

                    strReturnArray[intIndex]);
```

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```
                }

        } catch (Exception e) {

            System.err.println(e.toString());

        }

    }

}
```

Example *"ConvertSimple" Code – SOAP Request in C#*

```
namespace Example {

    class Test {

        static void Main(string[] args) {

            // Setup Web Service

            com.neospeech.tts.NeoSpeechTtsSoapService objService =

                new com.neospeech.tts.NeoSpeechTtsSoapService();


            // Invoke Call to ConvertSimple

            String[] strResponseArray = objService.ConvertSimple(

                "jdoe@email.com",

                "1234567890",

                "MyLoginKey",

                "1234567890abcdef1234",

                "TTS_PAUL_DB",

                "FORMAT_WAV",

                16,

                "The quick brown fox jumps over the lazy dog."

            };


            // Iterate through the returned string array

            String[] strIndexArray = strResponseArray[0].Split(',');

            for (int intIndex = 1; intIndex < strResponseArray.Length;

                intIndex++)

                System.Console.WriteLine("{0} = {1}",

                    strIndexArray[intIndex-1],

                    strResponseArray[intIndex]);
```

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```
        }

    }

}
```

Example "ConvertSimple" Code – SOAP Request in PHP

```php
<?php
    // Setup Web Service
    $objSoap = new SoapClient("https://tts.neospeech.com/soap_1_1.php?wsdl");


    // Invoke Call to ConvertSimple
    $strResultArray = $objSoap->ConvertSimple(
        "jdoe@email.com",
        "1234567890",
        "MyLoginKey",
        "1234567890abcdef1234",
        "TTS_PAUL_DB",
        "FORMAT_WAV",
        16,
        "The quick brown fox jumps over the lazy dog.");


    // Iterate through the returned string array
    foreach(explode(",", $strResultArray[0]) as $intIndex => $strValue)
        print $strResultArray[$intIndex+1] . " = " . $strValue . "<br/>";
?>
```

Example "ConvertSimple" Code – Raw SOAP Request

```
<SOAP-ENV:Envelope
    xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
    xmlns:xsd="http://www.w3.org/2001/XMLSchema"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
    <SOAP-ENV:Body>
        <ns1:ConvertSimple>
```

```
            <email>jdoe@email.com</email>

            <accountId>1234567890</accountId>

            <loginKey>MyLoginKey</loginKey>

            <loginPassword>1234567890abcdef1234</loginPassword>

            <voice>TTS_PAUL_DB</voice>

            <outputFormat>FORMAT_WAV</outputFormat>

            <sampleRate>16</sampleRate>

            <text>The quick brown fox jumps over the lazy dog.</text>

        </ns1:ConvertSimple>

    </SOAP-ENV:Body>

</SOAP-ENV:Envelope>
```

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ConvertSsml

This method is not available for "Basic" subscribers.

It is used to queue the text-to-speech conversion of SSML content, converting it using the voice and the output format specified.

Note that the conversion is an asynchronous service call. If invoked successfully, the method will return a unique identifier for the conversion, as well as the current state of the status.

Subsequent calls to **GetConversionStatus** (see below) will be required in order to get updates on the conversion status, and if successful, to ultimately get the URL from which the converted sound file can be downloaded.

Input Parameters
- **email –** the email address associated with the account (see above)
- **accountId –** the Account ID associated with the account (see above)
- **loginKey –** the Login Key associated with the application being used (see above)
- **loginPassword –** the Login Password associated with the Login Key being used (see above)
- **voice –** the TTS Voice ID of the voice to be used for the TTS conversion (e.g. "TTS_PAUL_DB")
- **outputFormat –** the TTS Output Format ID of the format to be used for the TTS conversion (e.g. "FORMAT_WAV")
- **sampleRate –** the sample rate (in kHz) of the converted audio file
- **ssml** – the SSML of the content to be converted (note that the **lexicon** tag is currently not supported)
- **useUserDictionary –** a boolean flag on whether or not the custom User Dictionary (as set up on the TTS Web Service website) should be used to perform pronunciation corrections

Response on Success
- **resultCode** – this will be 0 on success, or non-0 on error (see above for error conditions)
- **resultString** – this will be "success" on success, or a description of the error (see above for error conditions)
- **conversionNumber** – the unique number which is used to identify this conversion (note that numbers are provisioned in sequential order per account)
- **status** – the status of the current conversion (see above for statuses)
- **statusCode** – the numeric status code of the current conversion (see above for status codes)

Example "ConvertSsml" Code – REST Request and XML Response

```
REQUEST (XML via POST)


<ConvertSsml>

    <email>jdoe@email.com</email>

    <accountId>1234567890</accountId>

    <loginKey>MyLoginKey</loginKey>

    <loginPassword>1234567890abcdef1234</loginPassword>

    <voice>TTS_PAUL_DB</voice>

    <outputFormat>FORMAT_WAV</outputFormat>

    <sampleRate>16</sampleRate>

    <ssml>

        <speak version="1.0">

            The quick brown fox <prosody volume="loud">jumps</prosody>

            over the lazy dog.

        </speak>

    </ssml>

    <useUserDictionary>true</useUserDictionary>

</ConvertSsml>


RESPONSE


<response resultCode="0" resultString="success" conversionNumber="66"

    status="Queued" statusCode="1"/>
```

Example "ConvertSsml" Code – SOAP Request in Java

```
// This code sample uses the Apache Axis SOAP Engine for Java

// More information can be found at http://ws.apache.org/axis/java


import org.apache.axis.client.*;

import javax.xml.namespace.QName;
```

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```
public class Test {

    public static void main(String [] args) {

        try {

            String strEndPoint = "https://tts.neospeech.com/soap_1_1.php";


            org.apache.axis.client.Service objService = new Service();

            org.apache.axis.client.Call objCall = (Call)

                objService.createCall();


            objCall.setTargetEndpointAddress( new java.net.URL(strEndPoint) );

            objCall.setOperationName(

                new QName("https://tts.neospeech.com/soap_1_1.php",

                "ConvertSsml"));


            // Invoke Call to ConvertSsml

            String[] strReturnArray = (String[]) objCall.invoke(new Object[] {

                "jdoe@email.com",

                "1234567890",

                "MyLoginKey",

                "1234567890abcdef1234",

                "TTS_PAUL_DB",

                "FORMAT_WAV",

                16,

                "<speak version=\"1.0\">" +

                    "The quick brown fox <prosody
volume=\"loud\">jumps</prosody> over the lazy dog." +

                    "</speak>",

                true

            });


            // Iterate through the returned string array

            String[] strIndexArray = strReturnArray[0].split(",");

            for (int intIndex = 1; intIndex < strReturnArray.length;

                intIndex++) {

                System.out.println(

                    strIndexArray[intIndex - 1] + " = " +
```

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```
                    strReturnArray[intIndex]);

            }

        } catch (Exception e) {

            System.err.println(e.toString());

        }

    }

}
```

Example "ConvertSsml" Code – SOAP Request in C#

```
namespace Example {

    class Test {

        static void Main(string[] args) {

            // Setup Web Service

            com.neospeech.tts.NeoSpeechTtsSoapService objService =

                new com.neospeech.tts.NeoSpeechTtsSoapService();


            // Invoke Call to ConvertSsml

            String[] strResponseArray = objService.ConvertSsml(

                "jdoe@email.com",

                "1234567890",

                "MyLoginKey",

                "1234567890abcdef1234",

                "TTS_PAUL_DB",

                "FORMAT_WAV",

                16,

                "<speak version=\"1.0\">" +

                    "The quick brown fox <prosody

volume=\"loud\">jumps</prosody> over the lazy dog." +

                    "</speak>",

                true

            };


            // Iterate through the returned string array

            String[] strIndexArray = strResponseArray[0].Split(',');
```

```
            for (int intIndex = 1; intIndex < strResponseArray.Length;

                intIndex++)

                System.Console.WriteLine("{0} = {1}",

                    strIndexArray[intIndex-1],

                    strResponseArray[intIndex]);

        }

    }

}
```

Example "ConvertSsml" Code – SOAP Request in PHP

```php
<?php
    // Setup Web Service
    $objSoap = new SoapClient("https://tts.neospeech.com/soap_1_1.php?wsdl");


    // Invoke Call to ConvertSsml
    $strResultArray = $objSoap->ConvertSsml(
        "jdoe@email.com",
        "1234567890",
        "MyLoginKey",
        "1234567890abcdef1234",
        "TTS_PAUL_DB",
        "FORMAT_WAV",
        16,
        "<speak version=\"1.0\">" .
            "The quick brown fox <prosody volume=\"loud\">jumps</prosody> over
the lazy dog." .
            "</speak>",
        true);


    // Iterate through the returned string array
    foreach(explode(",", $strResultArray[0]) as $intIndex => $strValue)
        print $strResultArray[$intIndex+1] . " = " . $strValue . "<br/>";
?>
```

```
<SOAP-ENV:Envelope
    xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
    xmlns:xsd="http://www.w3.org/2001/XMLSchema"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
    <SOAP-ENV:Body>
        <ns1:ConvertSsml>
    <email>jdoe@email.com</email>
    <accountId>1234567890</accountId>
    <loginKey>MyLoginKey</loginKey>
    <loginPassword>1234567890abcdef1234</loginPassword>
    <voice>TTS_PAUL_DB</voice>
    <outputFormat>FORMAT_WAV</outputFormat>
    <sampleRate>16</sampleRate>
    <ssml>
        &lt;speak version="1.0"&gt;
        The quick brown fox
        &lt;prosody volume="loud"&gt;jumps&lt;/prosody&gt;
        over the lazy dog.
        &lt;/speak&gt;
    </ssml>
    <useUserDictionary>true</useUserDictionary>
        </ns1:ConvertSsml>
    </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

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ConvertText

This method is not available for "Basic" subscribers.

It is used to queue for the text-to-speech conversion of SSML content, converting it to using the voice and to the output format specified.

Note that the conversion is an asynchronous service call. If invoked successfully, the method will return a unique identifier for the conversion, as well as the current state of the status.

Subsequent calls to **GetConversionStatus** (see below) will be required in order to get updates on the conversion status, and if successful, to ultimately get the URL from which the converted sound file can be downloaded.

Input Parameters

- **email –** the email address associated with the account (see above)
- **accountId –** the Account ID associated with the account (see above)
- **loginKey –** the Login Key associated with the application being used (see above)
- **loginPassword –** the Login Password associated with the Login Key being used (see above)
- **voice –** the TTS Voice ID of the voice to be used for the TTS conversion (e.g. "TTS_PAUL_DB")
- **outputFormat –** the TTS Output Format ID of the format to be used for the TTS conversion (e.g. "FORMAT_WAV")
- **sampleRate –** the sample rate (in kHz) of the converted audio file
- **text** – the text of the content to be converted
- **useUserDictionary –** a boolean flag on whether or not the custom User Dictionary (as set up on the TTS Web Service website) should be used to perform pronuciation corrections
- **volume –** an integer value (range 0 to 100) of the volume of the converted sound file (default value is 50)
- **speed –** an integer value (range 50 to 400) of the speed of the speaking voice (default value is 100)
- **pitch** – an integer value (range 50 to 200) of the pitch of the speaking voice (default value is 100)

Response on Success

- **resultCode** – this will be 0 on success, or non-0 on error (see above for error conditions)
- **resultString** – this will be "success" on success, or a description of the error (see above for error conditions)

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- **conversionNumber** – the unique number which is used to identify this conversion (note that numbers are issued in sequential order per account)
- **status** – the status of the current conversion (see above for statuses)
- **statusCode** – the numeric status code of the current conversion (see above for status codes)

Example "ConvertText" Code – REST Request and XML Response

```
REQUEST (Query String via GET)


 https://tts.neospeech.com/rest_1_1.php?method=ConvertText
    &email=jdoe@email.com&accountId=1234567890&loginKey=MyLoginKey
    &loginPassword=1234567890abcdef1234&voice=TTS_PAUL_DB
    &outputFormat=FORMAT_WAV&sampleRate=16&text=The+quick+brown+fox+jumps
    +over+the+lazy+dog.&useUserDictionary=true&volume=50&speed=100&pitch=100


REQUEST (XML via POST)


<ConvertText>
    <email>jdoe@email.com</email>
    <accountId>1234567890</accountId>
    <loginKey>MyLoginKey</loginKey>
    <loginPassword>1234567890abcdef1234</loginPassword>
    <voice>TTS_PAUL_DB</voice>
    <outputFormat>FORMAT_WAV</outputFormat>
    <sampleRate>16</sampleRate>
    <text>The quick brown fox jumps over the lazy dog.</text>
    <useUserDictionary>true</useUserDictionary>
    <volume>50</volume>
    <speed>100</speed>
    <pitch>100</pitch>
</ConvertText>


RESPONSE


<response resultCode="0" resultString="success" conversionNumber="66"
    status="Queued" statusCode="1"/>
```

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Example "ConvertText" Code – SOAP Request in Java

```java
// This code sample uses the Apache Axis SOAP Engine for Java
// More information can be found at http://ws.apache.org/axis/java

import org.apache.axis.client.*;
import javax.xml.namespace.QName;

public class Test {
    public static void main(String [] args) {
        try {
            String strEndPoint = "https://tts.neospeech.com/soap_1_1.php";

            org.apache.axis.client.Service objService = new Service();
            org.apache.axis.client.Call objCall = (Call)
                objService.createCall();

            objCall.setTargetEndpointAddress( new java.net.URL(strEndPoint) );
            objCall.setOperationName(
                new QName("https://tts.neospeech.com/soap_1_1.php",
                "ConvertText"));

            // Invoke Call to ConvertText
            String[] strReturnArray = (String[]) objCall.invoke(new Object[] {
                "jdoe@email.com",
                "1234567890",
                "MyLoginKey",
                "1234567890abcdef1234",
                "TTS_PAUL_DB",
                "FORMAT_WAV",
                16,
                "The quick brown fox jumps over the lazy dog.",
                true,
                50,
                100,
```

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```
                    100
            });


            // Iterate through the returned string array

            String[] strIndexArray = strReturnArray[0].split(",");

            for (int intIndex = 1; intIndex < strReturnArray.length;

                intIndex++) {

                System.out.println(

                    strIndexArray[intIndex - 1] + " = " +

                    strReturnArray[intIndex]);

            }

        } catch (Exception e) {

            System.err.println(e.toString());

        }

    }

}
```

Example "ConvertText" Code – SOAP Request in C#

```
namespace Example {

    class Test {

        static void Main(string[] args) {

            // Setup Web Service

            com.neospeech.tts.NeoSpeechTtsSoapService objService =

                new com.neospeech.tts.NeoSpeechTtsSoapService();


            // Invoke Call to ConvertText

            String[] strResponseArray = objService.ConvertText(

                "jdoe@email.com",

                "1234567890",

                "MyLoginKey",

                "1234567890abcdef1234",

                "TTS_PAUL_DB",

                "FORMAT_WAV",

                16,
```

```
            "The quick brown fox jumps over the lazy dog.",

            true,

            50,

            100,

            100

        };


        // Iterate through the returned string array

        String[] strIndexArray = strResponseArray[0].Split(',');

        for (int intIndex = 1; intIndex < strResponseArray.Length;

            intIndex++)

            System.Console.WriteLine("{0} = {1}",

                strIndexArray[intIndex-1],

                strResponseArray[intIndex]);

    }

  }

}
```

Example "ConvertText" Code – SOAP Request in PHP

```php
<?php

    // Setup Web Service

    $objSoap = new SoapClient("https://tts.neospeech.com/soap_1_1.php?wsdl");


    // Invoke Call to ConvertText

    $strResultArray = $objSoap->ConvertText(

        "jdoe@email.com",

        "1234567890",

        "MyLoginKey",

        "1234567890abcdef1234",

        "TTS_PAUL_DB",

        "FORMAT_WAV",

        16,

        "The quick brown fox jumps over the lazy dog.",

        true,
```

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```
        50,
        100,
        100);


    // Iterate through the returned string array
    foreach(explode(",", $strResultArray[0]) as $intIndex => $strValue)
        print $strResultArray[$intIndex+1] . " = " . $strValue . "<br/>";
?>
```

Example "ConvertText" Code – Raw SOAP Request

```
<SOAP-ENV:Envelope
    xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
    xmlns:xsd="http://www.w3.org/2001/XMLSchema"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
    <SOAP-ENV:Body>
        <ns1:ConvertText>
            <email>jdoe@email.com</email>
            <accountId>1234567890</accountId>
            <loginKey>MyLoginKey</loginKey>
            <loginPassword>1234567890abcdef1234</loginPassword>
            <voice>TTS_PAUL_DB</voice>
            <outputFormat>FORMAT_WAV</outputFormat>
            <sampleRate>16</sampleRate>
            <text>The quick brown fox jumps over the lazy dog.</text>
            <useUserDictionary>true</useUserDictionary>
            <volume>50</volume>
            <speed>100</speed>
            <pitch>100</pitch>
        </ns1:ConvertText>
    </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

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GetConversionStatus

This method can be used by any subscriber.

It requests status information for a given conversion.

Input Parameters

- **email –** the email address associated with the account (see above)
- **accountId –** the Account ID associated with the account (see above)
- **conversionNumber –** the unique number that identifies the conversion whose status is being requested

Response on Success

- **resultCode** – this will be 0 on success, or non-0 on error (see above for error conditions)
- **resultString** – this will be "success" on success, or a description of the error (see above for error conditions)
- **status** – the status of the current conversion (see above for statuses)
- **statusCode** – the numeric status code of the current conversion (see above for status codes)
- **downloadUrl** – if available, the publicly accessible URL of the converted sound file

Example "GetConversionStatus" Code – REST Request and XML Response

```
REQUEST (Query String via GET)


 https://tts.neospeech.com/rest_1_1.php?method=GetConversionStatus
    &email=jdoe@email.com&accountId=1234567890
    &conversionNumber=61


REQUEST (XML via POST)


<GetConversionStatus>
    <email>jdoe@email.com</email>
    <accountId>1234567890</accountId>
    <conversionNumber>61</conversionNumber>
 </GetConversionStatus>
```

```
RESPONSE


<response resultCode="0" resultString="success" status="Queued"
    statusCode="1" downloadUrl=""/>
```

Example "GetConversionStatus" Code – SOAP Request in Java

```java
// This code sample uses the Apache Axis SOAP Engine for Java
// More information can be found at http://ws.apache.org/axis/java


import org.apache.axis.client.*;
import javax.xml.namespace.QName;


public class Test {
    public static void main(String [] args) {
        try {
            String strEndPoint = "https://tts.neospeech.com/soap_1_1.php";


            org.apache.axis.client.Service objService = new Service();
            org.apache.axis.client.Call objCall = (Call)
                objService.createCall();


            objCall.setTargetEndpointAddress( new java.net.URL(strEndPoint) );
            objCall.setOperationName(
                new QName("https://tts.neospeech.com/soap_1_1.php",
                "GetConversionStatus"));


            // Invoke Call to GetConversionStatus
            String[] strReturnArray = (String[]) objCall.invoke(new Object[] {
                "jdoe@email.com",
                "1234567890",
                61
            });
```

```
            // Iterate through the returned string array

            String[] strIndexArray = strReturnArray[0].split(",");

            for (int intIndex = 1; intIndex < strReturnArray.length;

                intIndex++) {

                System.out.println(

                    strIndexArray[intIndex - 1] + " = " +

                    strReturnArray[intIndex]);

            }

        } catch (Exception e) {

            System.err.println(e.toString());

        }

    }

}
```

Example "GetConversionStatus" Code – SOAP Request in C#

```
namespace Example {

    class Test {

        static void Main(string[] args) {

            // Setup Web Service

            com.neospeech.tts.NeoSpeechTtsSoapService objService =

                new com.neospeech.tts.NeoSpeechTtsSoapService();


            // Invoke Call to GetConversionStatus

            String[] strResponseArray = objService.GetConversionStatus(

                "jdoe@email.com",

                "1234567890",

                61

            };


            // Iterate through the returned string array

            String[] strIndexArray = strResponseArray[0].Split(',');

            for (int intIndex = 1; intIndex < strResponseArray.Length;

                intIndex++)

                System.Console.WriteLine("{0} = {1}",
```

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```
                        strIndexArray[intIndex-1],

                        strResponseArray[intIndex]);
        }
    }
}
```

Example "GetConversionStatus" Code – SOAP Request in PHP

```php
<?php
    // Setup Web Service
    $objSoap = new SoapClient("https://tts.neospeech.com/soap_1_1.php?wsdl");

    // Invoke Call to GetConversionStatus
    $strResultArray = $objSoap->GetConversionStatus(
        "jdoe@email.com",
        "1234567890",
        61);

    // Iterate through the returned string array
    foreach(explode(",", $strResultArray[0]) as $intIndex => $strValue)
        print $strResultArray[$intIndex+1] . " = " . $strValue . "<br/>";
?>
```

Example "GetConversionStatus" Code – Raw SOAP Request

```xml
<SOAP-ENV:Envelope
    xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
    xmlns:xsd="http://www.w3.org/2001/XMLSchema"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
    <SOAP-ENV:Body>
        <ns1:GetConversionStatus>
            <email>jdoe@gmail.com</email>
            <accountId>1234567890</accountId>
            <conversionNumber>61</conversionNumber>
        </ns1:GetConversionStatus>
```

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```
    </SOAP-ENV:Body>

</SOAP-ENV:Envelope>
```

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