

# Create a Text to Speech Service

## Step1:

The screenshot shows the IBM Cloud catalog page for the Text to Speech service. The page is titled "Text to Speech" and describes it as a service that "Synthesizes natural-sounding speech from text." The "Create" tab is selected, showing options to "Select a location" (Frankfurt (eu-de)) and "Select a pricing plan" (Lite). The Lite plan is highlighted, showing it is "Free" and includes "10,000 Characters per Month". A summary panel on the right shows the service details: Text to Speech, Location: Frankfurt, Plan: Lite, Service name: Text to Speech-mt, and Resource group: Default. A checkbox indicates that the user has read and agreed to the license agreements. An "Activate Windows" watermark is visible in the bottom right corner.

IBM Cloud

Search resources and products...

Catalog Manage Sneka priya A's Account

Text to Speech

Synthesizes natural-sounding speech from text.

Create About

Type Service

Provider IBM

Last updated 11/04/2022

Category AI / Machine Learning

Compliance EU Supported HIPAA Enabled IAM-enabled

Location Sydney

Select a location

Frankfurt (eu-de)

Select a pricing plan

Displayed prices do not include tax. Monthly prices shown are for country or location: [United States](#)

Plan	Features	Pricing
Lite	10,000 Characters per Month	Free

The Lite plan gets you started with 10,000 characters per month at no cost. When you upgrade to a paid plan, you will get access to Customization capabilities.

Summary

Text to Speech Free

Location: Frankfurt

Plan: Lite

Service name: Text to Speech-mt

Resource group: Default

☒ I have read and agree to the following license agreements: [Terms](#)

Creating...

Activate Windows

Add to estimate

Go to Settings to activate Windows.

## Step2:

The screenshot shows the IBM Cloud service page for the Text to Speech-mt service. The page is titled "Text to Speech-mt" and shows it is "Active". The "Getting started" tab is selected, displaying a "Getting started with Text to Speech" guide. The guide includes a video player and text explaining the service's capabilities and how to get started. A summary panel on the right shows the service details: Text to Speech-mt, Location: Frankfurt, Plan: Lite, Service name: Text to Speech-mt, and Resource group: Default. An "Activate Windows" watermark is visible in the bottom right corner.

IBM Cloud

Search resources and products...

Catalog Manage Sneka priya A's Account

Text to Speech-mt Active Add tags

Details Actions...

Manage

Getting started

Service credentials

Plan

Connections

Getting started with Text to Speech

Last Updated: 2021-02-02

The IBM Watson™ Text to Speech service converts written text to natural-sounding speech to provide speech-synthesis capabilities for applications. This [curl](#)-based tutorial can help you get started quickly with the service. The examples show you how to call the service's [POST](#) and [GET /v1/synthesize](#) methods to request an audio stream.

IBM Cloud® only. Watch the following video for a visual summary of getting started with the Text to Speech service.

Get started with Watson Text to Speech

Activate Windows

Go to Settings to activate Windows.

### Step3:

The screenshot shows a web browser window with multiple tabs open, including 'WhatsApp', 'IBM', 'Service', 'Cloudant', 'Overview', 'Create', 'IBM-Pro', 'IBM Wa', and 'Language'. The address bar shows the URL 'cloud.ibm.com/docs/text-to-speech?topic=text-to-speech-voices'. The page header includes the IBM logo and navigation links: 'Cloud', 'Products', 'Solutions', 'Pricing', 'Docs' (highlighted), 'Support', and 'Explore more'. A search bar and a 'Console' link are also present.

The left sidebar is titled 'Text to Speech' and contains a 'Data' section with links to 'Release notes', 'Demo', and 'Additional resources'. Below this is a 'How to' section with links to 'Using languages and voices' (highlighted), 'Using a voice for speech synthesis', 'Listing information about voices', 'Using audio formats', and 'Synthesizing speech with the service'. At the bottom of the sidebar are links to 'Expand all' and 'Collapse all'.

The main content area is titled 'Languages and voices' and contains the following text:

The IBM Watson™ Text to Speech service supports a variety of languages, voices, and dialects. For different languages, the service offers female voices, male voices, or both. Each voice uses appropriate cadence and intonation for its dialect.

All of the service's voices use neural voice technology. Neural voice technology uses multiple Deep Neural Networks (DNNs) to predict the acoustic (spectral) features of the speech. The DNNs are trained on natural human speech and generate the resulting audio from the predicted acoustic features. During synthesis, the DNNs predict the pitch and phoneme duration (prosody), spectral structure, and waveform of the speech. Neural voices produce speech that is crisp and clear, with a very natural-sounding, smooth, and consistent audio quality.

**Supported languages and voices**

The service offers three types of voices with different qualities and capabilities:

- *Expressive neural voices.* Expressive neural voices offer natural-sounding speech that is exceptionally clear and crisp. Their pronunciation and inflections are natural and conversational, and the resulting speech offers extremely smooth transitions between words. The voices determine sentiment from context and automatically use the proper intonation to suit the text.

Expressive neural voices support the use of both standard International Phonetic Alphabet (IPA) and IBM

The right sidebar is titled 'On this page' and contains links to 'Supported languages and voices', 'Language support by type of voice', 'Expressive neural voices' (highlighted), 'Enhanced neural voices', 'Neural voices', 'Creating a custom model', and 'Creating a custom voice'. A 'Feedback' button is located at the bottom of this sidebar.

At the bottom of the page, there is a Windows taskbar with a search bar and several application icons. The system tray shows the time as 9:40 PM on 11/7/2022.