

This is the instruction to create an instance of IBM Speech to Text, and IBM Language Translator. IBM Speech to Text is a service that converts speech in audio format into text. Watson Speech to Text is a service that uses deep learning algorithms to convert speech to text. IBM Language Translator converts one language to another.

NOTE: In order to complete this lab in this section you will be creating an IBM Cloud account and create an instance of IBM Speech to Text and IBM Language Translator and obtain their respective API Keys. A credit card is NOT required to sign up for IBM Cloud Lite account and there is no charge associated in creating a Lite plan instance of the Watson VR service.

Step 1: Create an IBM Cloud Account


Click on the link below to create an IBM cloud account:

[Sign Up for IBM Cloud](#)

On the page to which you get redirected by clicking on the link above, enter your **email address, first name, last name, country or region**, and set your password.

NOTE: To get enhanced benefits, please sign up with you company email address rather than a free email ID like Gmail, Hotmail, etc.

If you would like IBM to contact you for any changes to services or new offerings, then check the box to accept the box to get notified by email. Then click on the Create Account button to create your IBM Cloud account. **If you already have an IBM Cloud account you can just log in using the link above the Email field (top right in the screenshot below).



Sign up for an IBMid and create your IBM Cloud account

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Ready to get started? Sign up today!

Already have an IBM Cloud account? [Log in](#)

Email*

First Name*

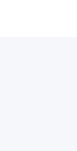
Last Name*

Country or Region*

Password*

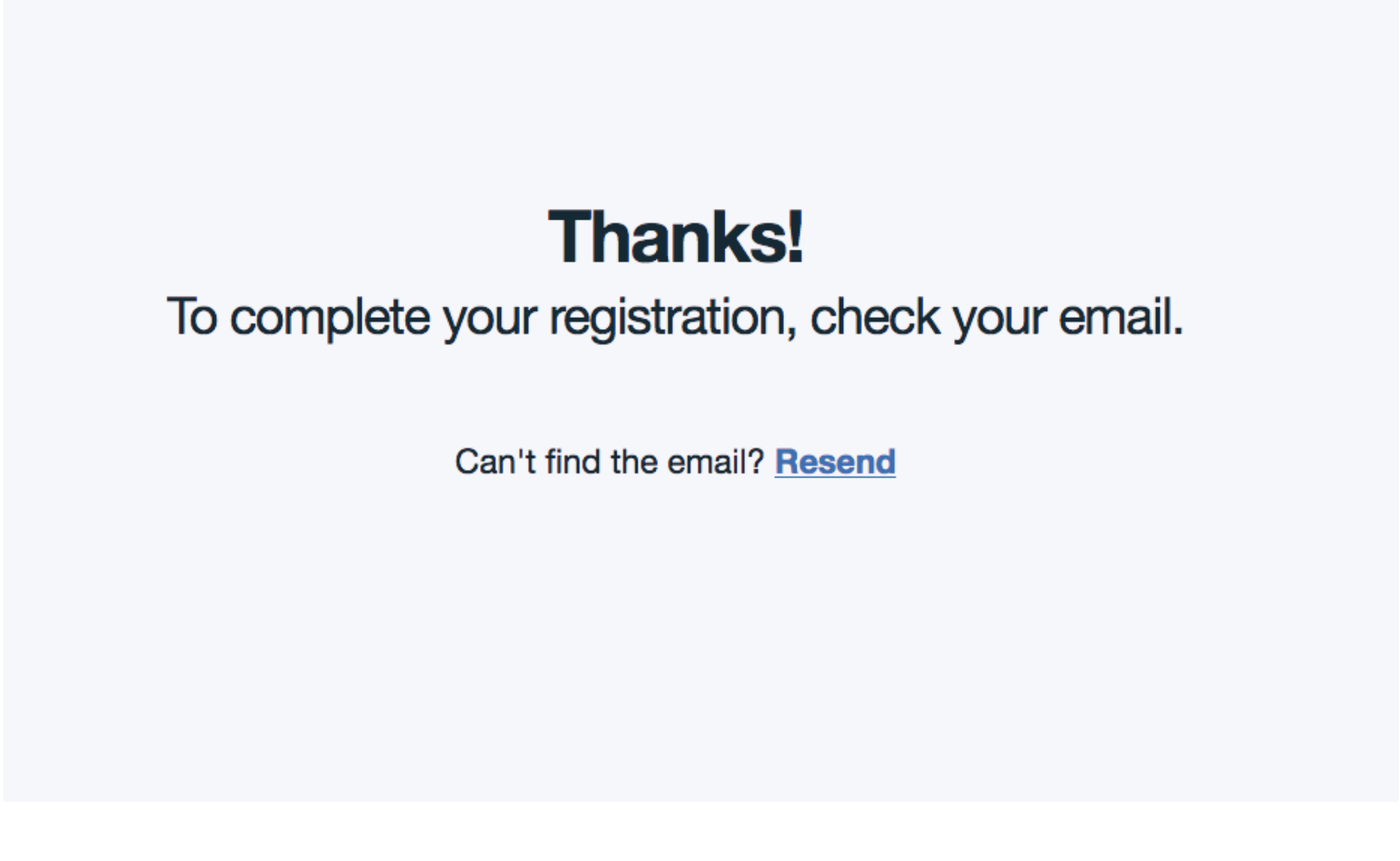
IBM may use my contact data to keep me informed of products, services and offerings:
☒ by email.
You can withdraw your marketing consent at any time by sending an email to unsubscribe@ibm.com. After you may unsubscribe from receiving marketing emails by clicking the unsubscribe link in each such email.
More information on our processing can be found in the [IBM Privacy Statement](#). By submitting this form, I acknowledge that I have read and understand the IBM Privacy Statement.
I accept the product [Terms](#) and [Conditions](#) of this registration form.

[Create Account](#)

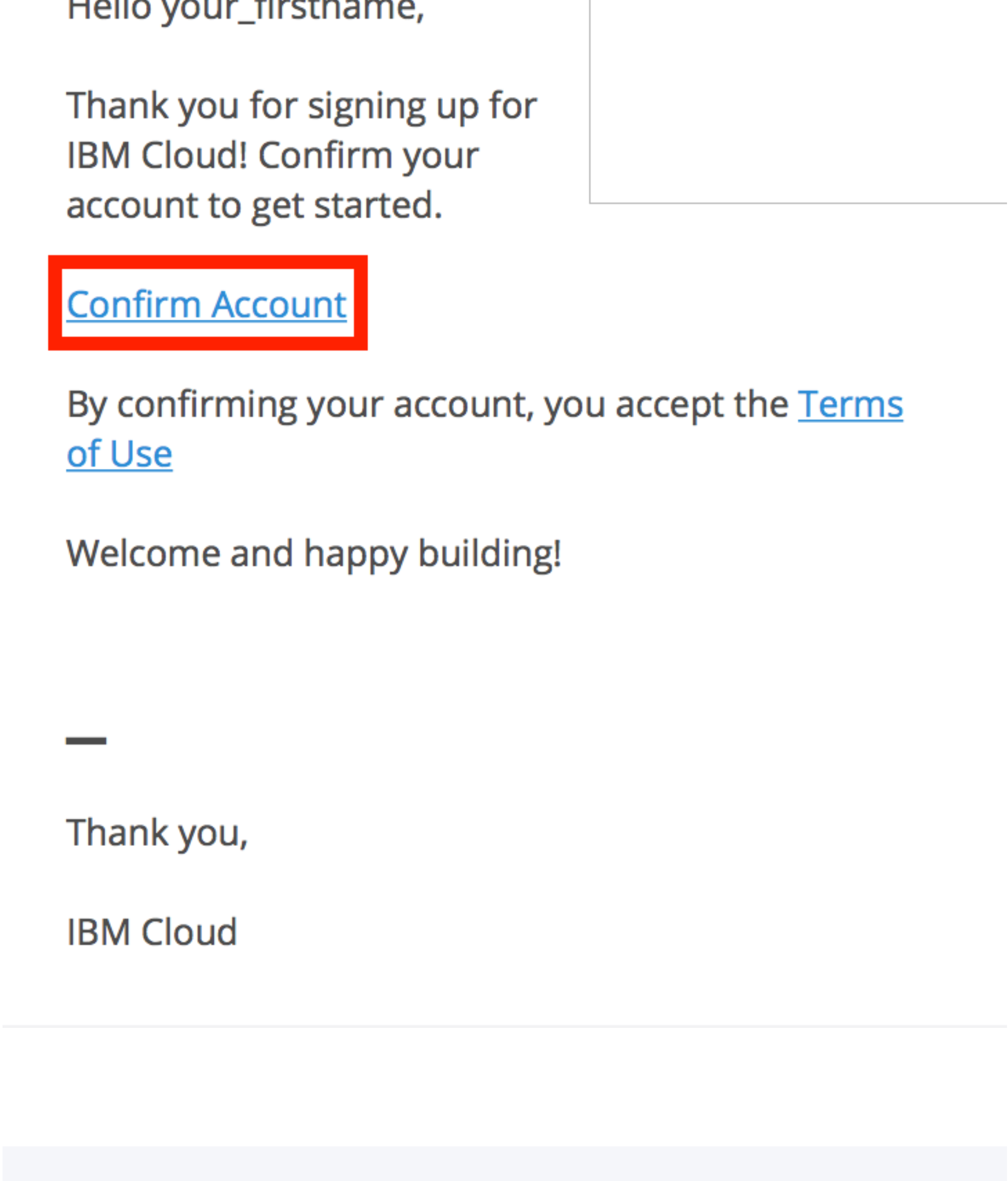


Step 2: Confirm Your Email Address

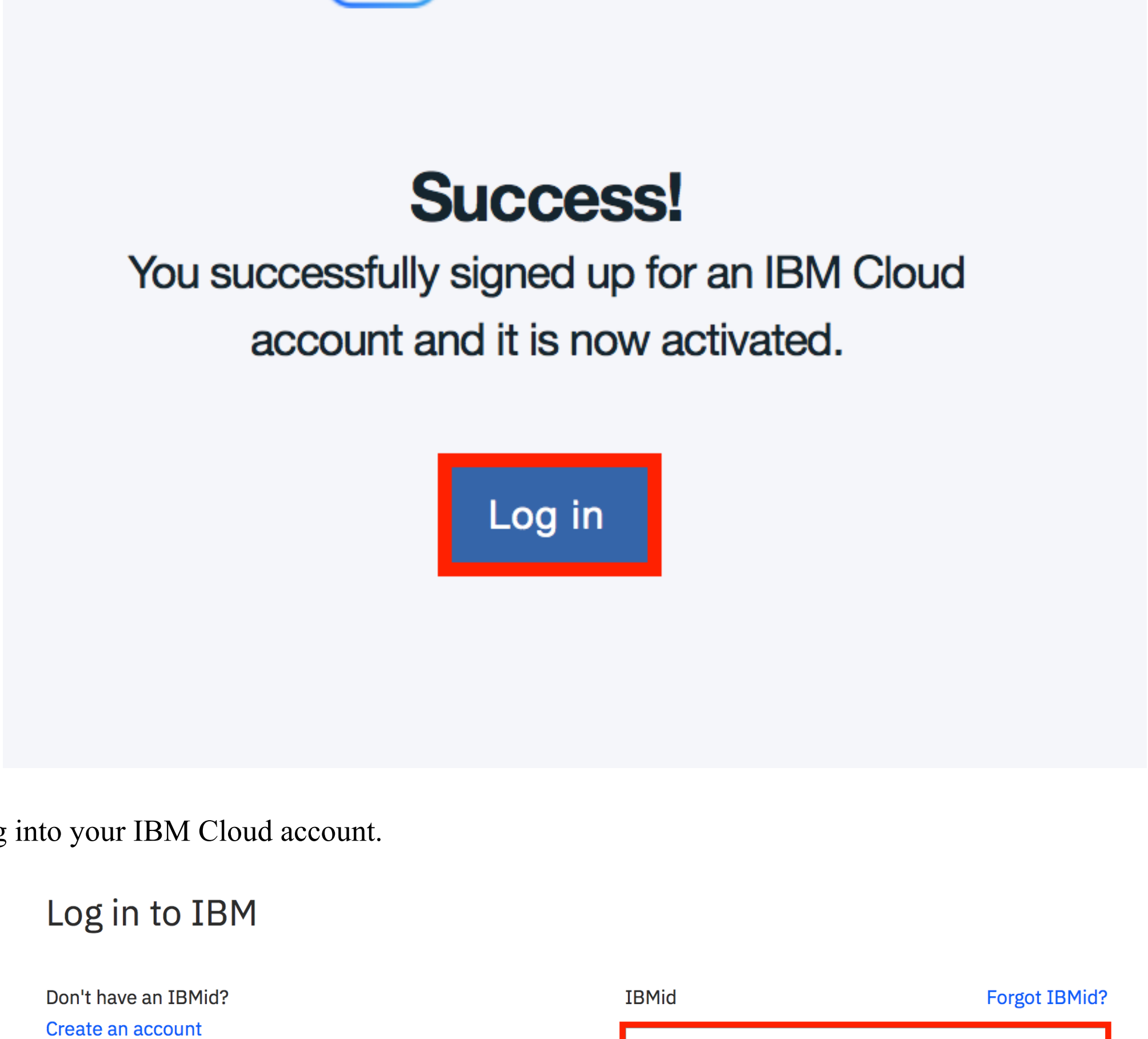
An email is sent to your email address to confirm your account.



Go to your email account, and click on the "Confirm Account" link in the email that was sent to you.



Step 3: Login to Your Account



When you click [Log in](#), you will be redirected to a page to log into your IBM Cloud account.

Log in to IBM

Don't have an IBMid?
[Create an account](#)

[Log in with your company credentials \(SSO\)](#)

Need help? [Contact the IBM Help Desk](#)

IBMId [Forgot IBMId?](#)

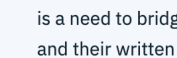
Password [Forgot password?](#)

☐ Remember me [?](#) [Log in](#)

Step 4: Create a Speech to Text Instance

To create a speech to text instance click [Speech to Text](#)

On the next page, you will get to name your service instance and choose your region. Click on the arrow to reveal the drop-down menu of regions. Make sure to select the region that is closest to you. Since I am located in Canada, then I am choosing Dallas as my region since it is the closest region to me.



Speech to Text

Lite - 120h

The Speech to Text service converts the human voice into the written word. It can be used anywhere there is a need to bridge the gap between the spoken word and their written form, including voice control of automated systems, transcription of meetings and conference calls, and delivery of email and notes. This way, we can remove some barriers and improve the combine information about grammar and language structure with knowledge of the context of the audio signal to generate an accurate transcription. The following languages and features are currently available.

[View Docs](#) [View API Docs](#) [Terms](#)

AUTHOR IBM
PUBLISHED 06/28/2019
TYPE Service

Service name:

Choose a region/location to deploy to:

Tag:


Features

- Available languages**
English (US, English (UK), Japanese, Arabic (MSA, Broadband), Hindi (India), Malayalam (Broad), Spanish, French (Standard), Indonesian, Korean
- Instant Translate Between:**
Arabic, Catalan, Chinese (Simplified & Traditional), Czech, Danish, Dutch, English, Finnish, French, German, Greek, Hebrew, Hindi, Italian, Japanese, Korean, Malayalam, Polish, Portuguese, Russian, Spanish, Swedish, Thai, Turkish, Vietnamese, Welsh
- Metadata**
Returns a metadata object in the JSON response that includes confidence score per word, detected time per word, and accurate hypotheses (to best guess what a word is when the original word is not recognized). A new option for returning more alternative per (detected) time intervals is now available.
- Keyword Spotting (KWS)**
Optional ability to search for one or more keywords in the audio stream. The returned metadata includes the beginning time and end time of the keyword match. Search is limited to 10 seconds.

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[Add to estimate](#) [Create](#)

Then scroll down and make sure that the **lite** plan is selected, and click the **Create** button.



Speech to Text

Lite - 120h

KWS and Android devices

Get started with the service.

[Getting started tutorial](#) [API reference](#)

Credentials

API Key:

URL:

Service name:

Choose a region/location to deploy to:

Tag:

Features


- Instant Translate Between:**
Arabic, Catalan, Chinese (Simplified & Traditional), Czech, Danish, Dutch, English, Finnish, French, German, Greek, Hebrew, Hindi, Italian, Japanese, Korean, Malayalam, Polish, Portuguese, Russian, Spanish, Swedish, Thai, Turkish, Vietnamese, Welsh
- Neural Machine Translation**
By default, all language pairs utilize neural machine translation. This new technology leverages deep learning to provide improved accuracy at faster

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Step 5: Save your Speech to Text API Key

Go to **Manage**, then save your Speech to Text API Key, and URL you will need it for the labs in this section.



Speech to Text-n6

Resource group: Default Location: Dallas [Add tags](#)

Get started with the service.

[Getting started tutorial](#) [API reference](#)

Credentials

API Key:

URL:

Service name:

Choose a region/location to deploy to:

Tag:

Features

- Instant Translate Between:**
Arabic, Catalan, Chinese (Simplified & Traditional), Czech, Danish, Dutch, English, Finnish, French, German, Greek, Hebrew, Hindi, Italian, Japanese, Korean, Malayalam, Polish, Portuguese, Russian, Spanish, Swedish, Thai, Turkish, Vietnamese, Welsh
- Neural Machine Translation**
By default, all language pairs utilize neural machine translation. This new technology leverages deep learning to provide improved accuracy at faster

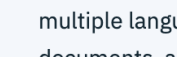
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[Add to estimate](#) [Create](#)

Step 7: Create a Language Translator Instance

To create a translation instance click [Language Translator](#)

On the next page, you will get to name your service instance and choose your region. Click on the arrow to reveal the drop-down menu of regions. Make sure to select the region that is closest to you. Since I am located in Canada, then I am choosing Dallas as my region since it is the closest region to me.



Language Translator

Lite - 120h

Neural Machine Translation comes standard for each language pair. Corpus customization allows you to create your own translation models which account for regional or industry-specific terms. Instantly translate your content into multiple languages. From translating documents, apps, and websites to creating multilingual chatbots, what will you build?

[View Docs](#) [View API Docs](#) [Terms](#)

AUTHOR IBM Watson
PUBLISHED 06/21/2019
TYPE Service

Service name:

Choose a region/location to deploy to:

Tag:


Features

- Instantly Translate Between:**
Arabic, Catalan, Chinese (Simplified & Traditional), Czech, Danish, Dutch, English, Finnish, French, German, Greek, Hebrew, Hindi, Italian, Japanese, Korean, Malayalam, Polish, Portuguese, Russian, Spanish, Swedish, Thai, Turkish, Vietnamese, Welsh
- Neural Machine Translation**
By default, all language pairs utilize neural machine translation. This new technology leverages deep learning to provide improved accuracy at faster

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Then scroll down and make sure that the **lite** plan is selected, and click the **Create** button.



Language Translator-be

Resource group: Default Location: Dallas [Add tags](#)

Get started with the service.

[Getting started tutorial](#) [API reference](#)

Credentials

API Key:

URL:

Service name:

Choose a region/location to deploy to:

Tag:

Features


- Instantly Translate Between:**
Arabic, Catalan, Chinese (Simplified & Traditional), Czech, Danish, Dutch, English, Finnish, French, German, Greek, Hebrew, Hindi, Italian, Japanese, Korean, Malayalam, Polish, Portuguese, Russian, Spanish, Swedish, Thai, Turkish, Vietnamese, Welsh
- Neural Machine Translation**
By default, all language pairs utilize neural machine translation. This new technology leverages deep learning to provide improved accuracy at faster

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Step 5: Save your Speech to Text API Key

Go to **Manage**, then save your Speech to Text API Key, and URL you will need it for the labs in this section.



Language Translator-be

Resource group: Default Location: Dallas [Add tags](#)

Get started with the service.

[Getting started tutorial](#) [API reference](#)

Credentials

API Key:

URL:

Service name:

Choose a region/location to deploy to:

Tag:

Features

- Instantly Translate Between:**
Arabic, Catalan, Chinese (Simplified & Traditional), Czech, Danish, Dutch, English, Finnish, French, German, Greek, Hebrew, Hindi, Italian, Japanese, Korean, Malayalam, Polish, Portuguese, Russian, Spanish, Swedish, Thai, Turkish, Vietnamese, Welsh
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