



Time Required: 15 mins

Objective

In this lab, you will learn:

- IBM Speech to Text Service
- IBM Language Translator Service

In this lab, you will 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 the 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

Scenario

To access the resources and services that the IBM Cloud provides, you will need an IBM Cloud account.

If you already have an IBM Cloud account, you can skip this step.


1. Go to: <https://cloud.ibm.com/registration> to create a free account on IBM Cloud.

Note: If you already have an IBM Cloud account, Login by going to <https://cloud.ibm.com/login> and skip ahead to Exercise 2.

2. Enter your company **Email** address and a strong **Password** and then click the **Next** button.

IBM Cloud

CatalogCost estimatorDocs



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

Create an account

1. Account information

Email

Password

Next

↓

2. Verify email

3. Personal information

Create account

→

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3. An email is sent to the address that you signed up with to confirm your email address. Check your email and copy and paste **Verification code**. Then click **Next**.



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

Create an account

1. Account information ✓

[Edit](#)

.....

2. Verify email

We sent a 7-digit verification code to This code is valid for 30 minutes.
Want to create this account with a different email? [Edit email](#).

Verification code

Verification code is required.

Next



[Resend code](#)

3. Personal information

Create account



4. Once your email is successfully verified, enter your **First name**, **Last name**, and **Country** and click **Next**.

1. Account information ✓

Edit

.....

2. Verify email ✓

Edit

Your email is verified.

3. Personal information

Lite plan services are always free, guaranteed. You'll be charged only if you use any billable plans.
[Learn more](#)

First name

Rav

Last name

Ahuja

Country or region

Canada

Next

Create account

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5. After your personal information is accepted Click on **Create account** button.

1. Account information ✓

Edit

.....

2. Verify email ✓

Edit

Your email is verified.

3. Personal information ✓

Edit

Personal account
Rav Ahuja
Canada

Create account →

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 submitting an [opt-out request](#). Also you may unsubscribe from receiving marketing emails by clicking the unsubscribe link in each email.
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I accept the product [Terms and Conditions](#) of this registration form.
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It takes a few seconds to create and set up your account.

6. You will see this page which confirms your account creation and allows you to login.



Account setup in progress

Now proceed to login by using the button below:

Login

Additionally, you should receive a welcome email with a login link at [redacted]. If you can't log in and you don't receive an email within a few hours, [contact support](#).

7. The username (which is your email address) is already populated. Enter your password and login.

IBM Cloud

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Log in to IBM Cloud

[Forgot password?](#)

Username

Password

Log in

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Cookie Preferences

8. Read carefully about the IBMid Privacy and click on proceed to acknowledge and login.

About your IBMid Account Privacy

This notice provides information about accessing your IBMid user account (Account). If you have previously been presented with a version of this notice, please refer to "Changes since the previous version of this notice" below for information about the new updates.

Updates to the [IBM Privacy Statement](#) since this notice was originally published provide additional information about how your personal information is processed by IBM.

+ Changes since the previous version of this notice

+ What data does IBM collect?

+ Why IBM needs your data

+ How your data was obtained

+ How IBM uses your data

+ How IBM protects your data

+ How long we keep your data

Your rights

Our [Privacy Statement](#) provides more information about your personal data rights. It also provides contact information if you have questions or concerns regarding our handling of your personal data.

Acknowledgement

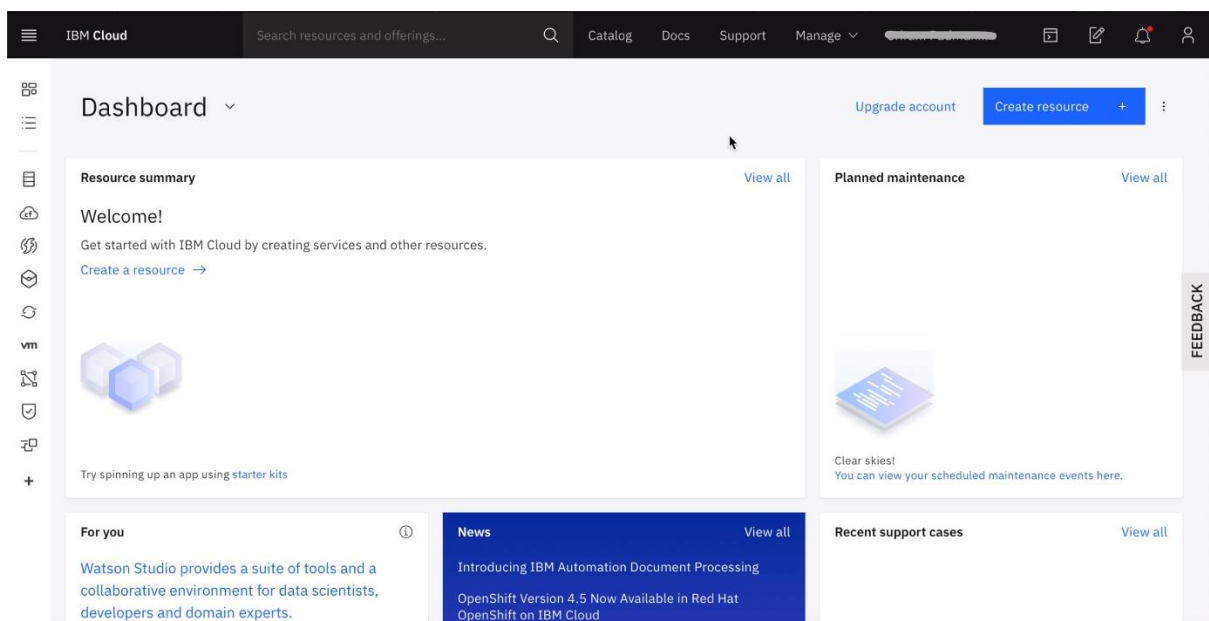
I acknowledge that I understand how IBM is using my Basic Personal Data and I am at least 16 years of age.

Proceed

Cancel Sign In

This document was last updated on 2020-03-05

9. Once you successfully login, you should see the dashboard. You can now proceed to the next exercise.



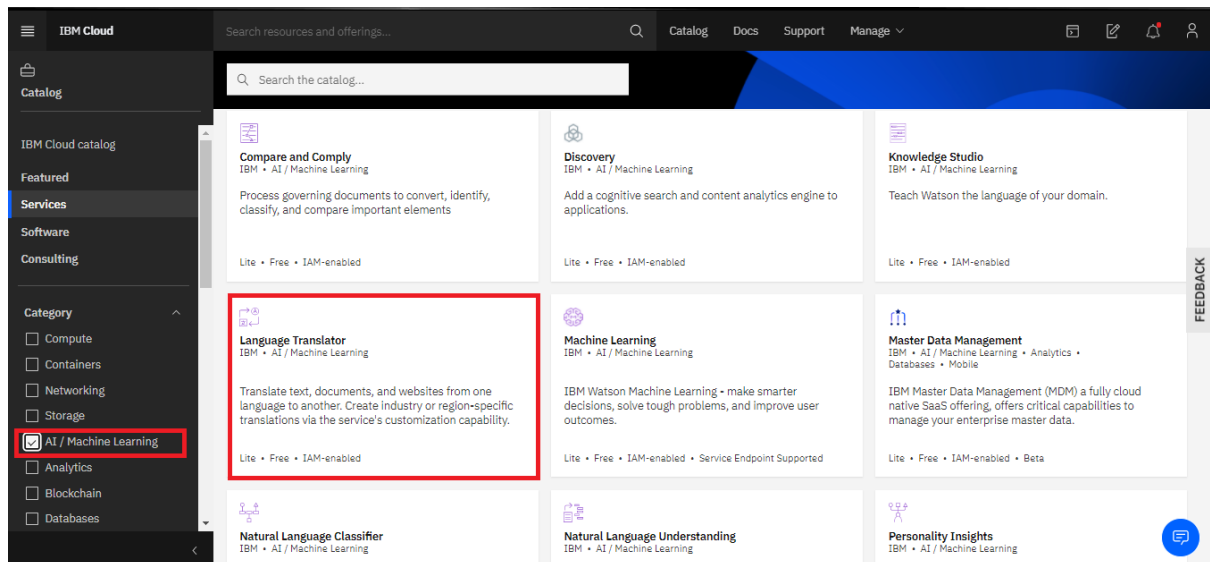
The screenshot shows the IBM Cloud Dashboard interface. At the top, there is a navigation bar with the IBM Cloud logo, a search bar, and links to Catalog, Docs, Support, and Manage. Below the navigation bar, the main content area is titled "Dashboard". On the left side, there is a sidebar with various icons representing different services. The main content area is divided into several sections: "Resource summary" with a "View all" link, "Planned maintenance" with a "View all" link, "For you" with a "View all" link, "News" with a "View all" link, and "Recent support cases" with a "View all" link. The "Resource summary" section includes a "Welcome!" message and a "Create a resource" button. The "Planned maintenance" section includes a "Clear skies!" message and a link to view scheduled maintenance events. The "For you" section includes a link to Watson Studio. The "News" section includes a link to IBM Automation Document Processing. The "Recent support cases" section includes a link to view support cases. On the right side of the dashboard, there is a "FEEDBACK" button.

Step 2: Create an instance of Language Translator service

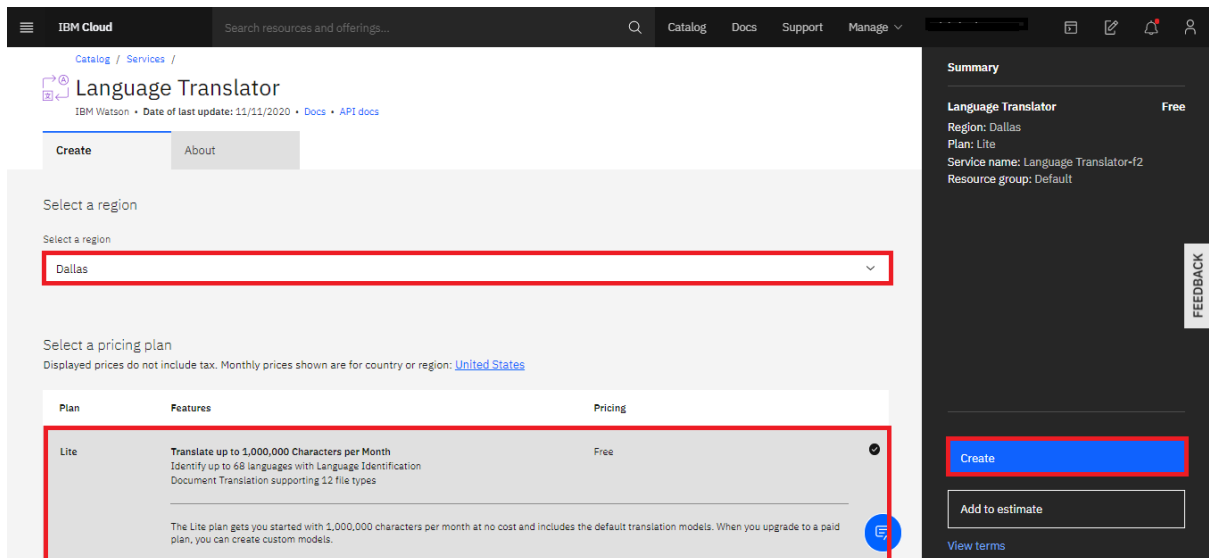
Scenario

Language Translator, which is available as a service on IBM Cloud, and a component of the IBM Cloud Pak for Data, allows you to translate text from one language to another. In this exercise, you will add an instance of the Language Translator service to your IBM Cloud account.

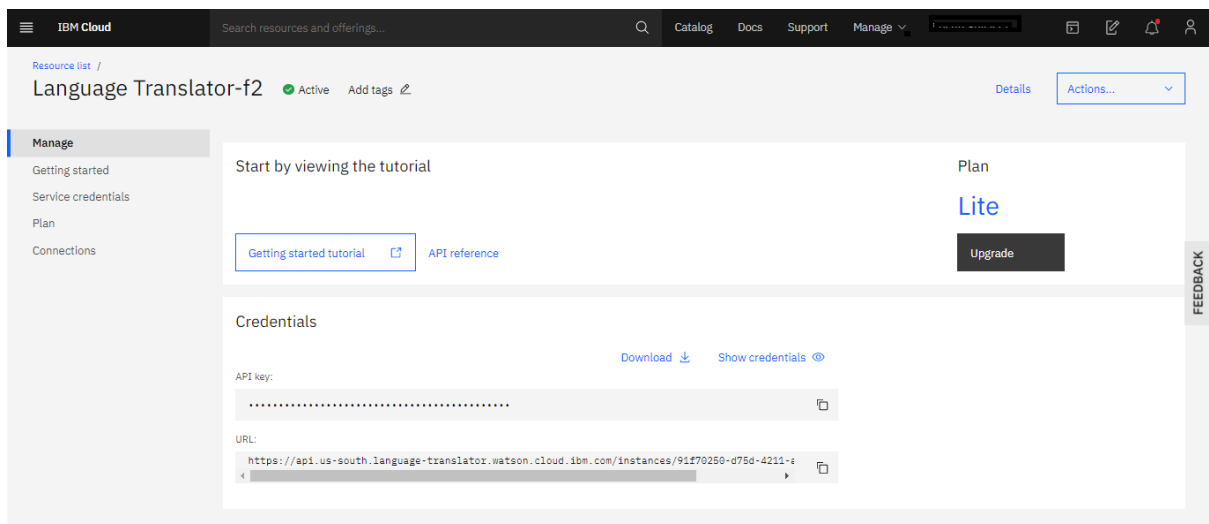
1. In the [IBM Cloud Catalog](#) go to the [Language Translator listing](#)



2. On the Language Translator page, select the **Region**, verify that the **Lite** plan is selected, and then click **Create**.



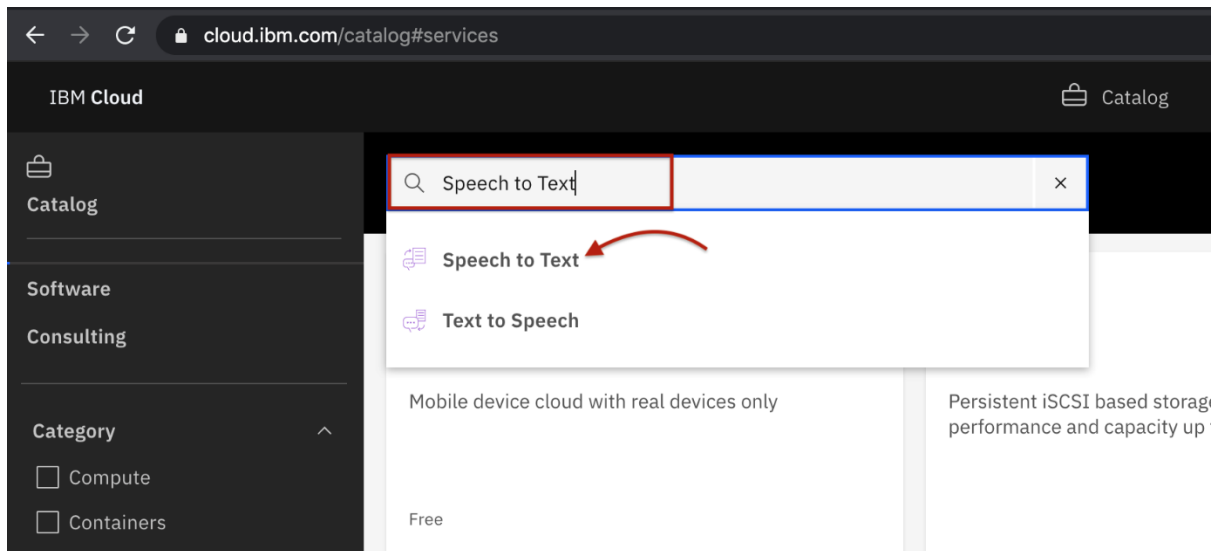
3. Once the Language Translator instance is successfully created, you'll get the below screen. Copy the credentials and paste into a file using a text editor on your system.



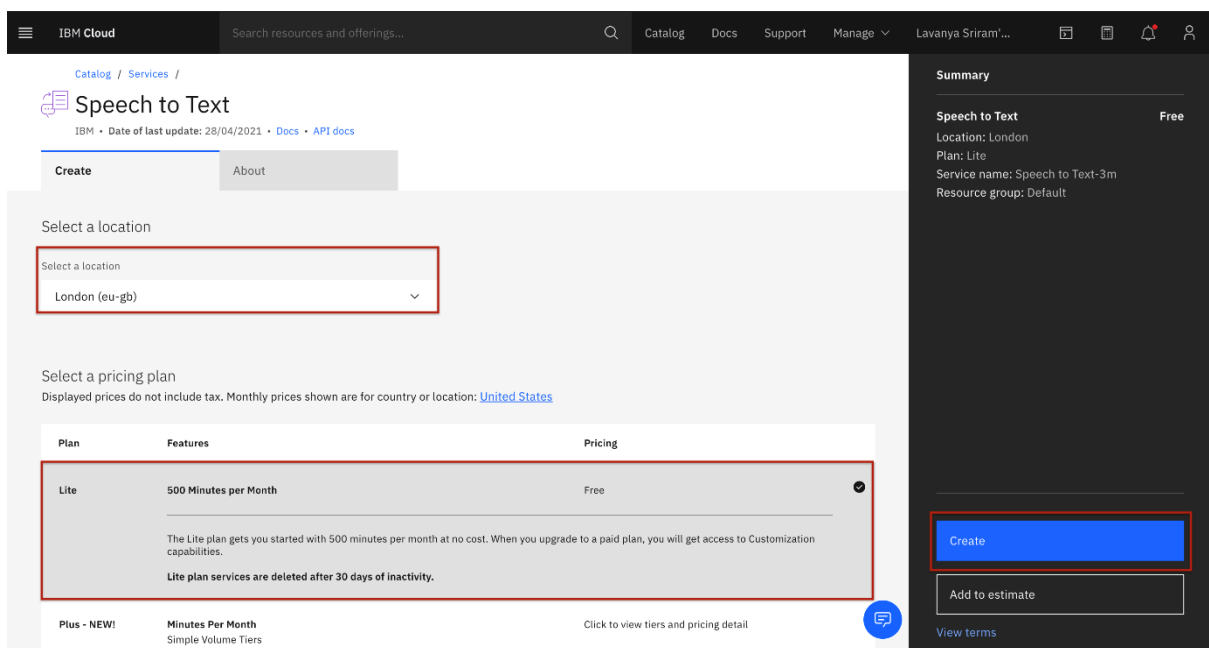
Step 3: Create a Speech to Text Instance

Speech to Text, which is available as a service on IBM Cloud provides an API to add speech transcription capabilities to applications. In this exercise, you will add an instance of the Speech To Text service to your IBM Cloud account.

1. In the [IBM Cloud Catalog](#), type Speech to Text in the Search box and choose the service or go to [Speech to Text Service](#)



2. On the Speech To Text Service page, select a **Region**, verify that the **Lite** plan is selected, and then click **Create**.



3. Once the Speech to Text instance is successfully created, you'll be taken to the instance page. Choose the **Service Credentials** and copy the Auto-generated credentials and paste it into a file using the text editor in your system. You will need to use this later.

Resource list / **Speech to Text-3m** Active [Add tags](#) [Details](#) [Actions...](#)

Manage

Getting started

Service credentials

Plan

Connections

Service credentials

You can generate a new set of credentials for cases where you want to manually connect an app or external consumer to an IBM Cloud service. [Learn more](#)

Search credentials...

[New credential](#) +

Key name	Date created	
Auto-generated service credentials	2021-04-30 4:00 PM	Copy Delete

```

{
  "apikey": "Zx-X1i1Gs2vsJErJgzhiKqn1N0h8W2NcEd2L7KbCf9N2",
  "iam_apikey_description": "Auto-generated for key ca734c60-377b-4a19-a1c7-b94375597617",
  "iam_apikey_name": "Auto-generated service credentials",
  "iam_role_crn": "crn:vi:bluemix:public:iam:::serviceRole:Manager",
  "iam_serviceid_crn": "crn:vi:bluemix:public:iam-identity:a/9c087f238f004e4089fe862b33d91218::serviceid:ServiceId-1a451ba2-098e-4cf1-9add-afea8512f2a0",
  "url": "https://api.eu-gb.speech-to-text.watson.cloud.ibm.com/instances/391f6c7c-5069-469f-93a9-acd2538b8c64"
}

```

Author(s)

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Change log

Date	Version	Changed by	Change Description
2020-04-30	2.4	Lavanya	Changed the images
2020-11-11	2.3	Malika Singla	Corrected the spell mistake
2020-10-05	2.2	Malika Singla	Added Effort & objective
2020-09-05	2.1	Malika Singla	Updated the screenshot
2020-08-25	2.0	Srishti	Migrated Lab to Markdown

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