



**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.

A screenshot of the IBM Cloud registration page. The page has a dark header with "IBM Cloud" on the left and "Catalog", "Cost estimator", and "Docs" on the right. The main content area is split into two columns. The left column is white and contains the registration form. It starts with the IBM Cloud logo and a link to "Log in" for existing users. Below is the heading "Create an account". The form is divided into three sections: "1. Account information", "2. Verify email", and "3. Personal information". In the "Account information" section, there is an "Email" field with the text "you@yourcompany.com" and a green checkmark, and a "Password" field with a red border and a red eye icon. Below these fields is a blue "Next" button with a downward arrow. The "2. Verify email" and "3. Personal information" sections are currently empty. At the bottom of the form is a grey "Create account" button with a right arrow. The right column has a dark blue background with white text. It says "Build for free on IBM Cloud". Below this, it says "Develop for free, no credit card required" and "Apps, AI, analytics, and more. Build with 40+ Lite plan services at no cost to you - ever." Further down, it says "Access the full catalog at your fingertips" and "Upgrade your account and unlock over 200 unique products, plus get a \$200 credit to use with any product you want. Learn more." The footer of the page is a small grey bar with the text "© Copyright IBM Corp. 2014, 2020. All rights reserved."

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**.

IBM Cloud



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 ✓

Your email is verified.

Edit [↗](#)

### 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

Last name

Rav

Ahuja

Country or region

Canada ▾

Next

↓

Create account →

© Copyright IBM Corp. 2014, 2020. All rights reserved.

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

https://cf-courses-data.s3.us.cloud-object-storage.appdomain.cloud/IBMDeveloperSkillsNetwork-PY0101EN-SkillsNetwork/labs/Module 5/PY0101\_Module5\_Instructions\_for\_Speech\_to\_Text\_and\_Language\_Translat... 3/9

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.  
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.  
© Copyright IBM Corp. 2014, 2020. All rights reserved.

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.



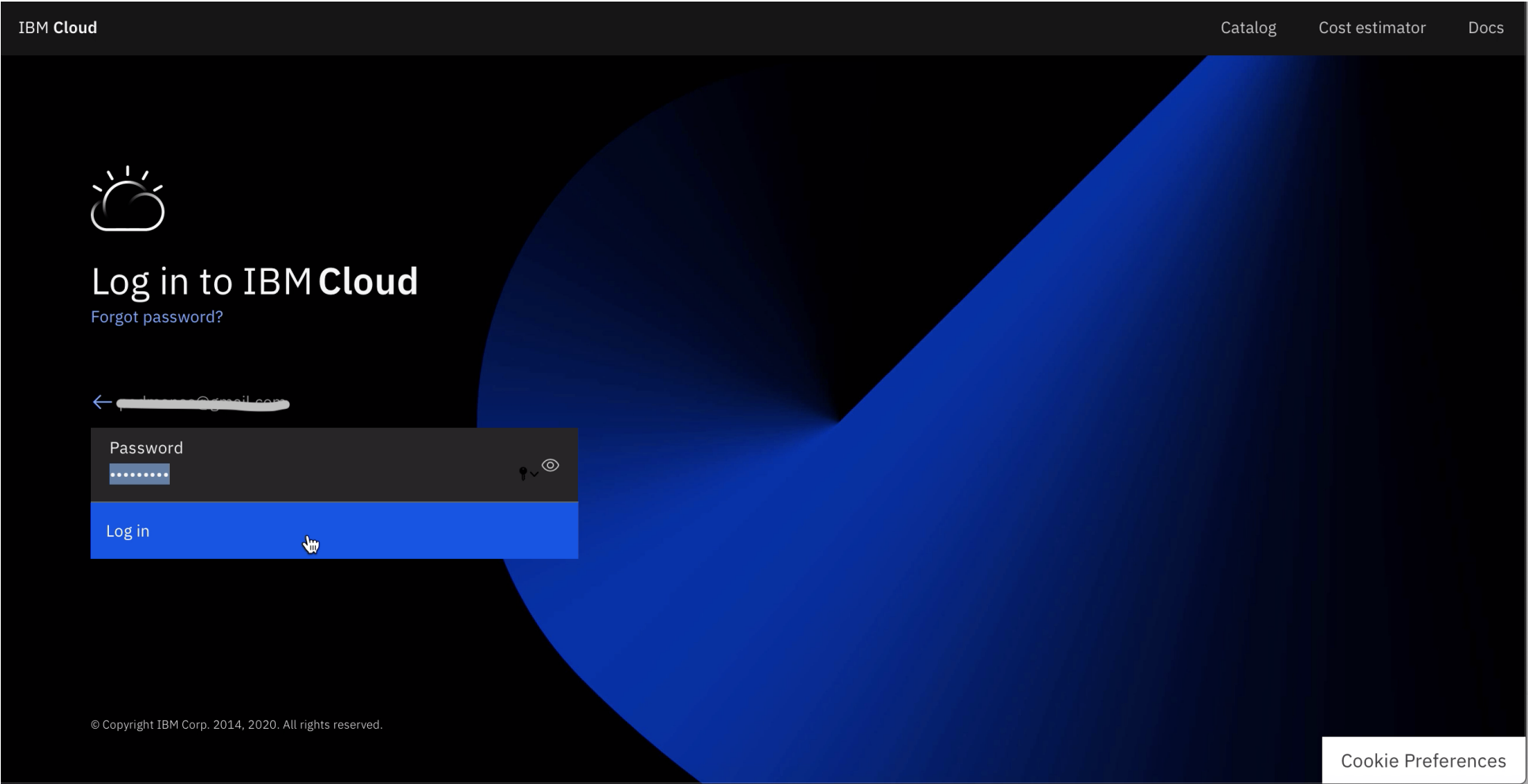
Account setup in progress

Now proceed to login by using the button below:

Login

Additionally, you should receive a welcome email with a login link at [your email address](#). 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.



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

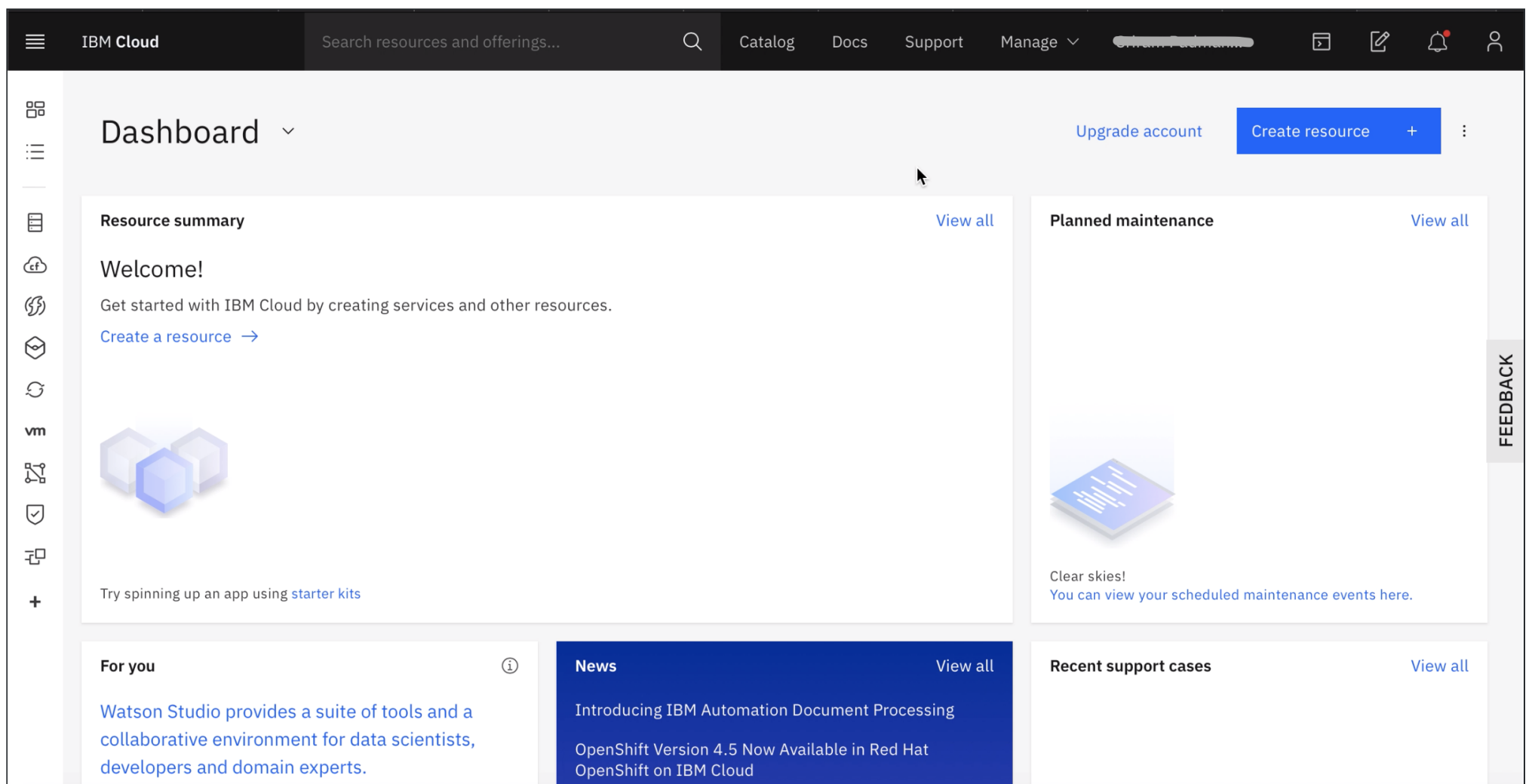
This document was last updated on 2020-03-05

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

https://cf-courses-data.s3.us.cloud-object-storage.appdomain.cloud/IBMDeveloperSkillsNetwork-PY0101EN-SkillsNetwork/labs/Module 5/PY0101\_Module5\_Instructions\_for\_Speech\_to\_Text\_and\_Language\_Translat...

5/9



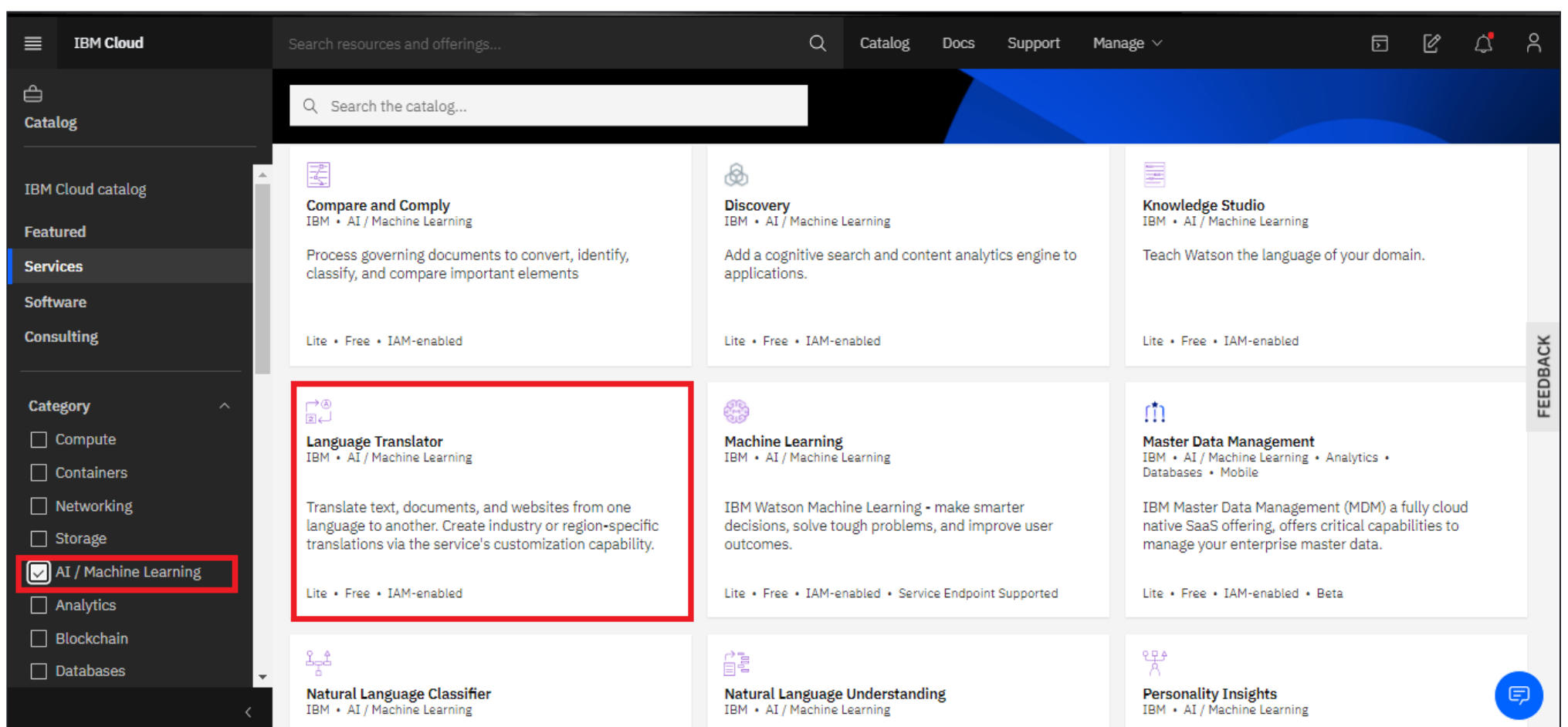


# Step 2: Create an instance of Language Translator service

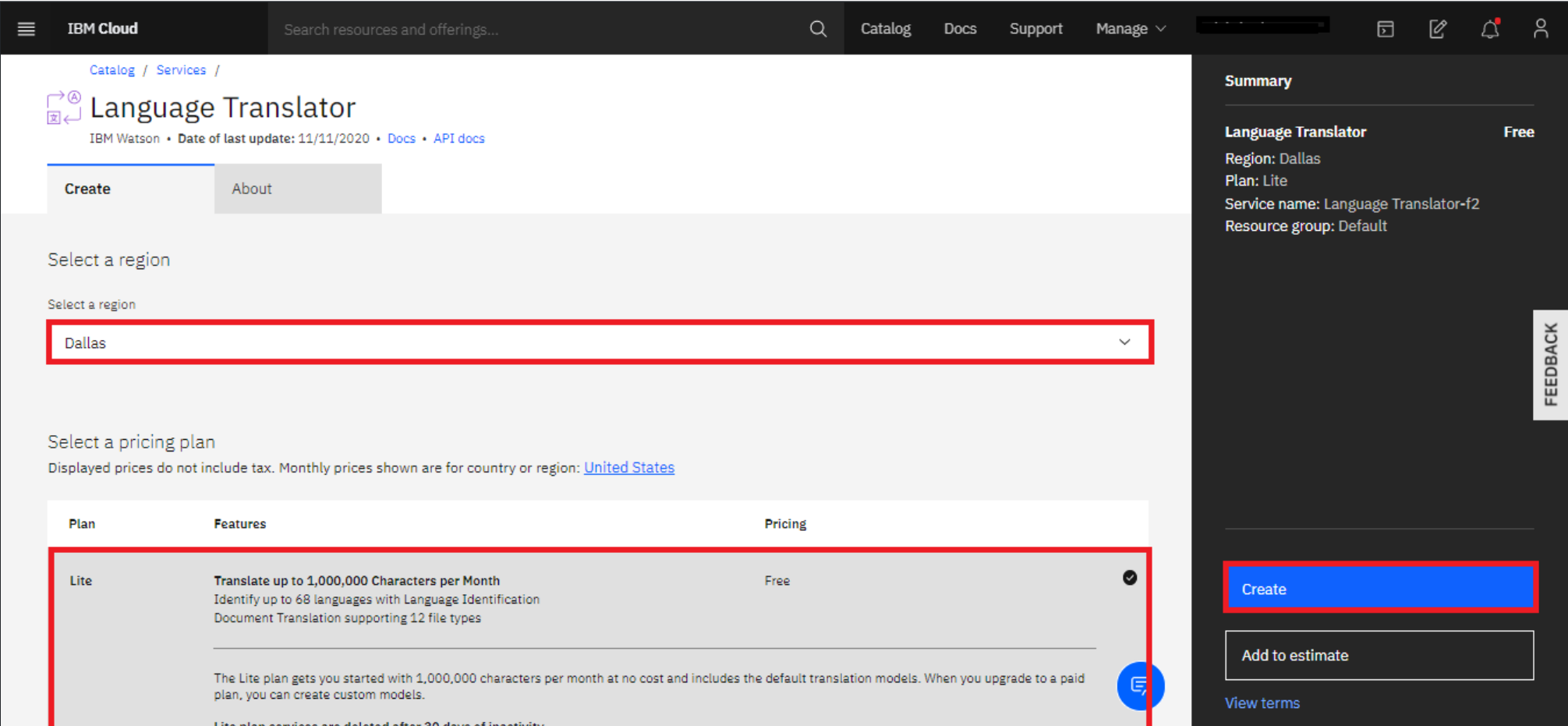
## Scenario

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.

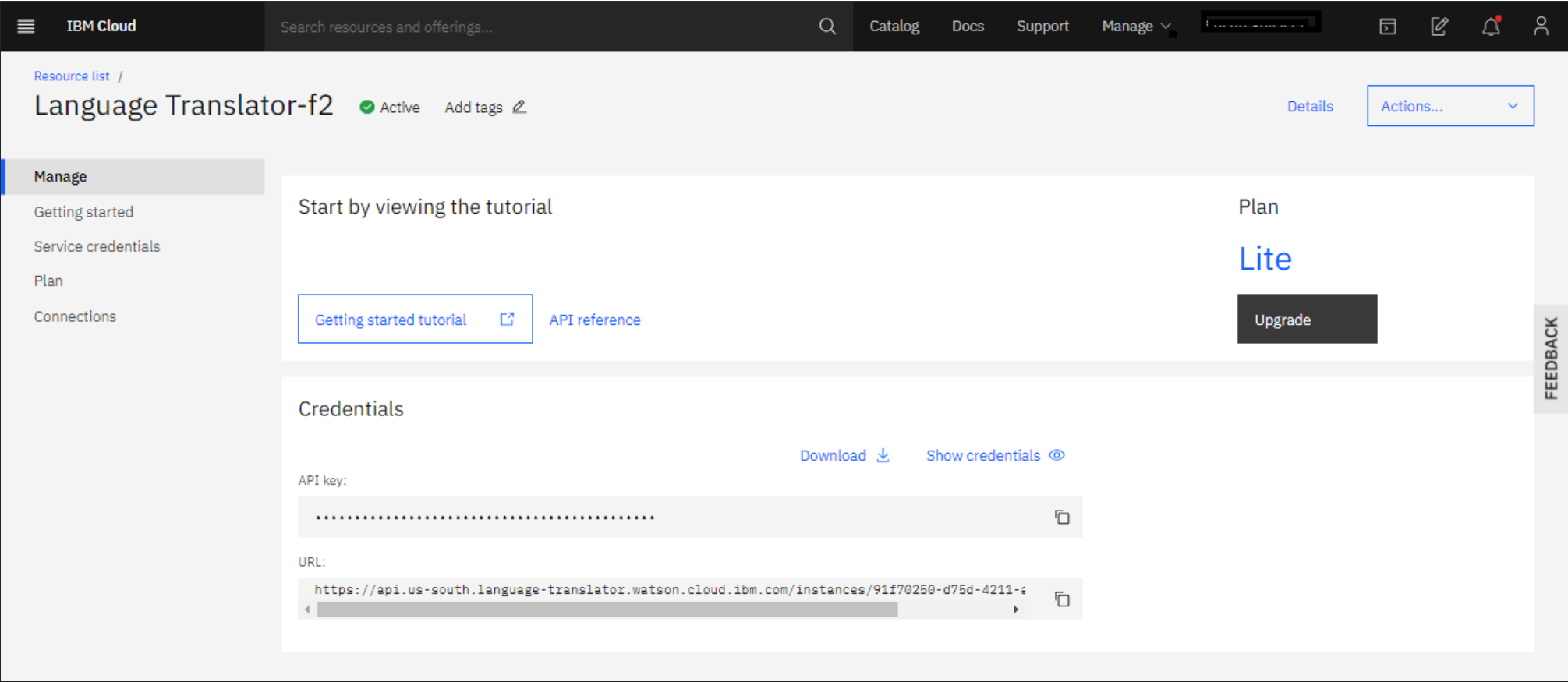
1. In the [IBM Cloud Catalog](#) go to the [Language Translator listing](#)



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



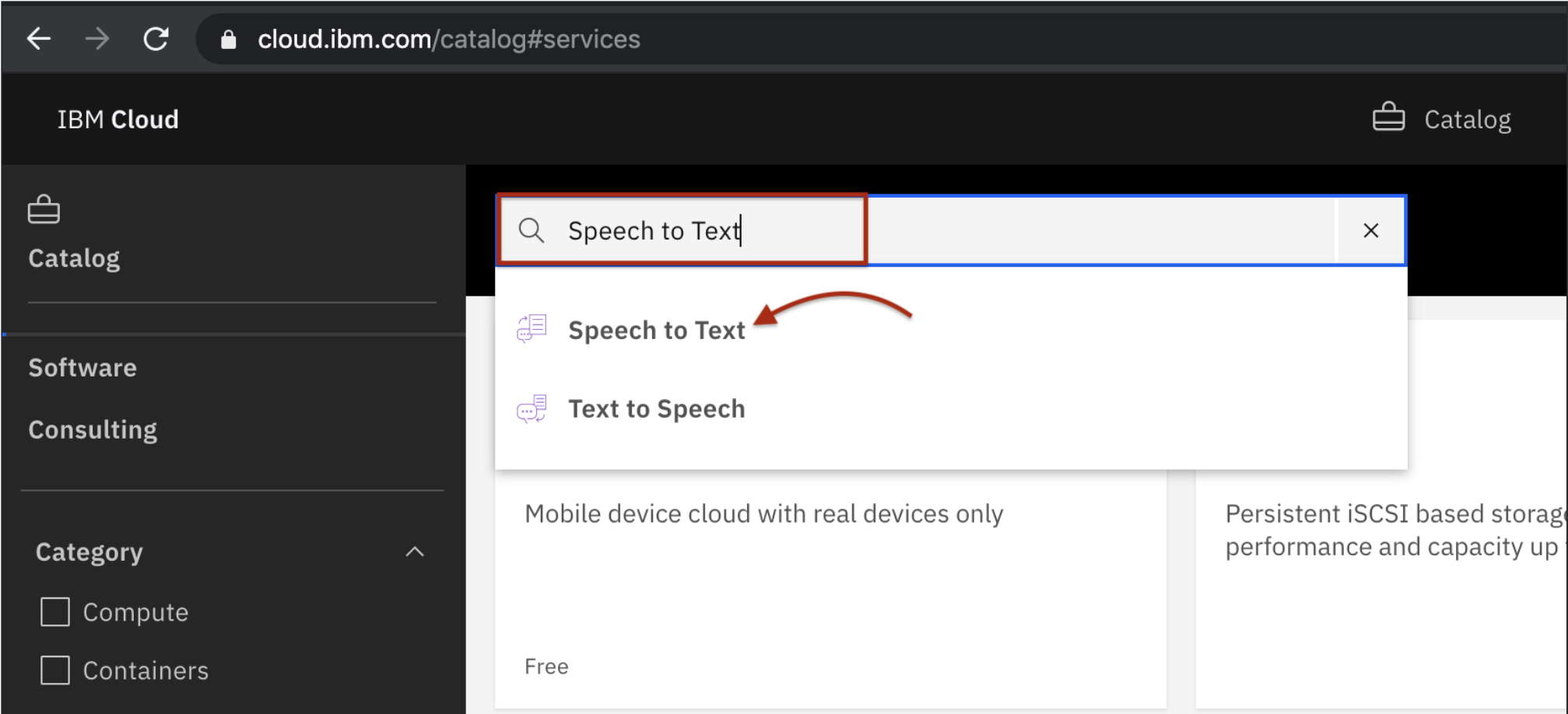
3. Once the Language Translator instance is successfully created, you'll get the below screen. Copy the credentials and paste into a file using a text editor on your system.



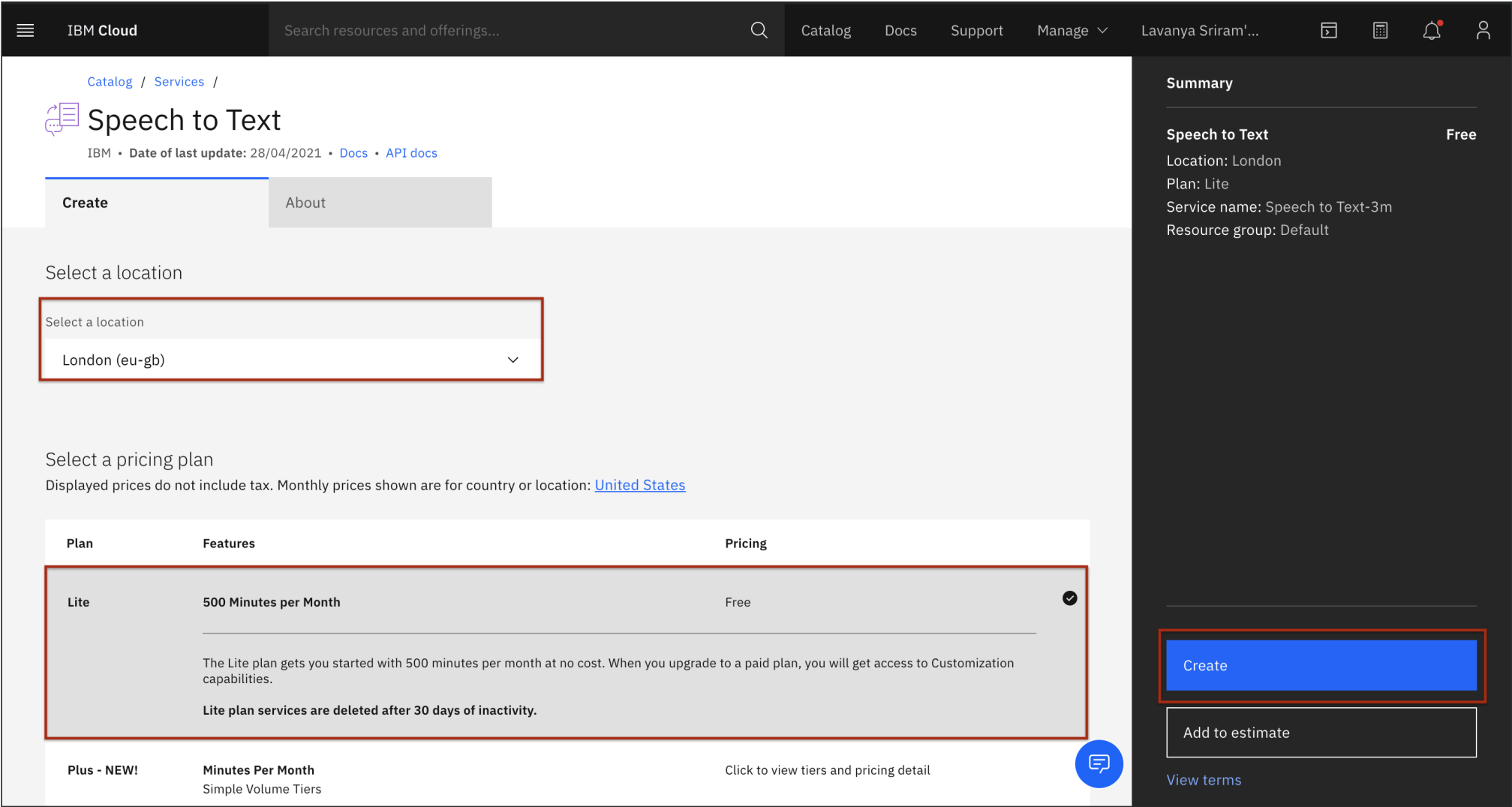
# Step 3: Create a Speech to Text Instance

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.

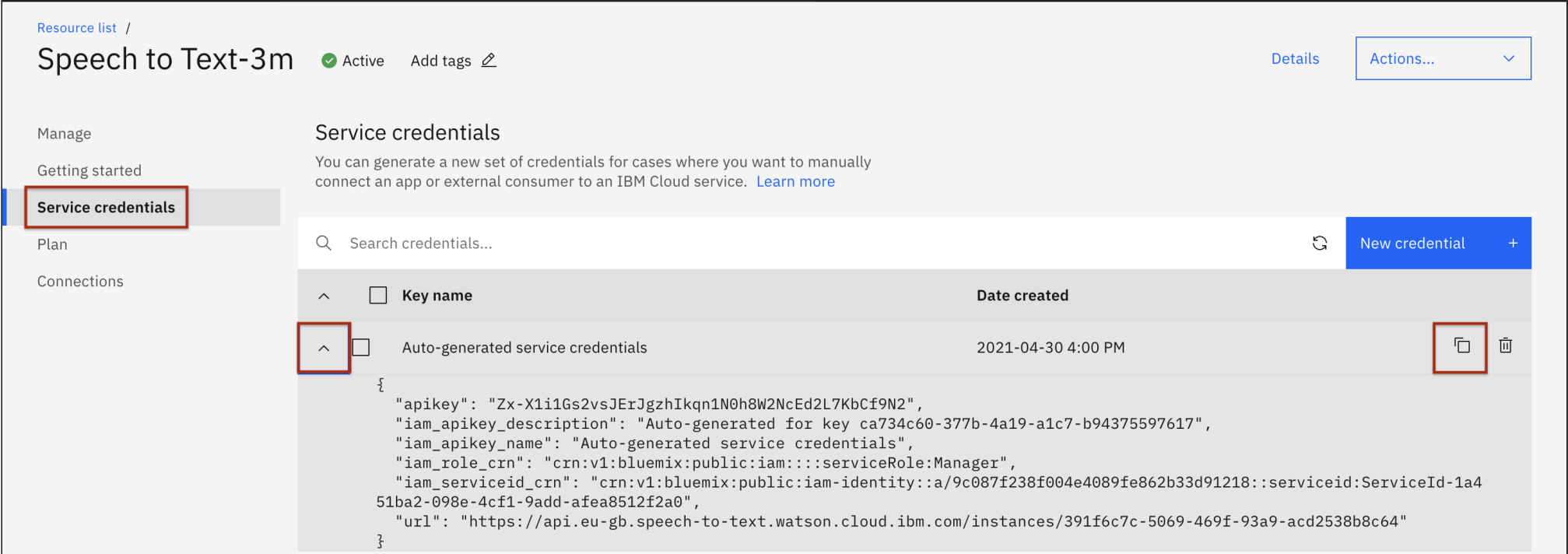
- 1. In the [IBM Cloud Catalog](#), type Speech to Text in the Search box and choose the service or go to [Speech to Text Service](#)



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.





# Author(s)

Joseph Santarcangelo

## 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

© IBM Corporation 2020. All rights reserved.