

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.

Pre-requisite

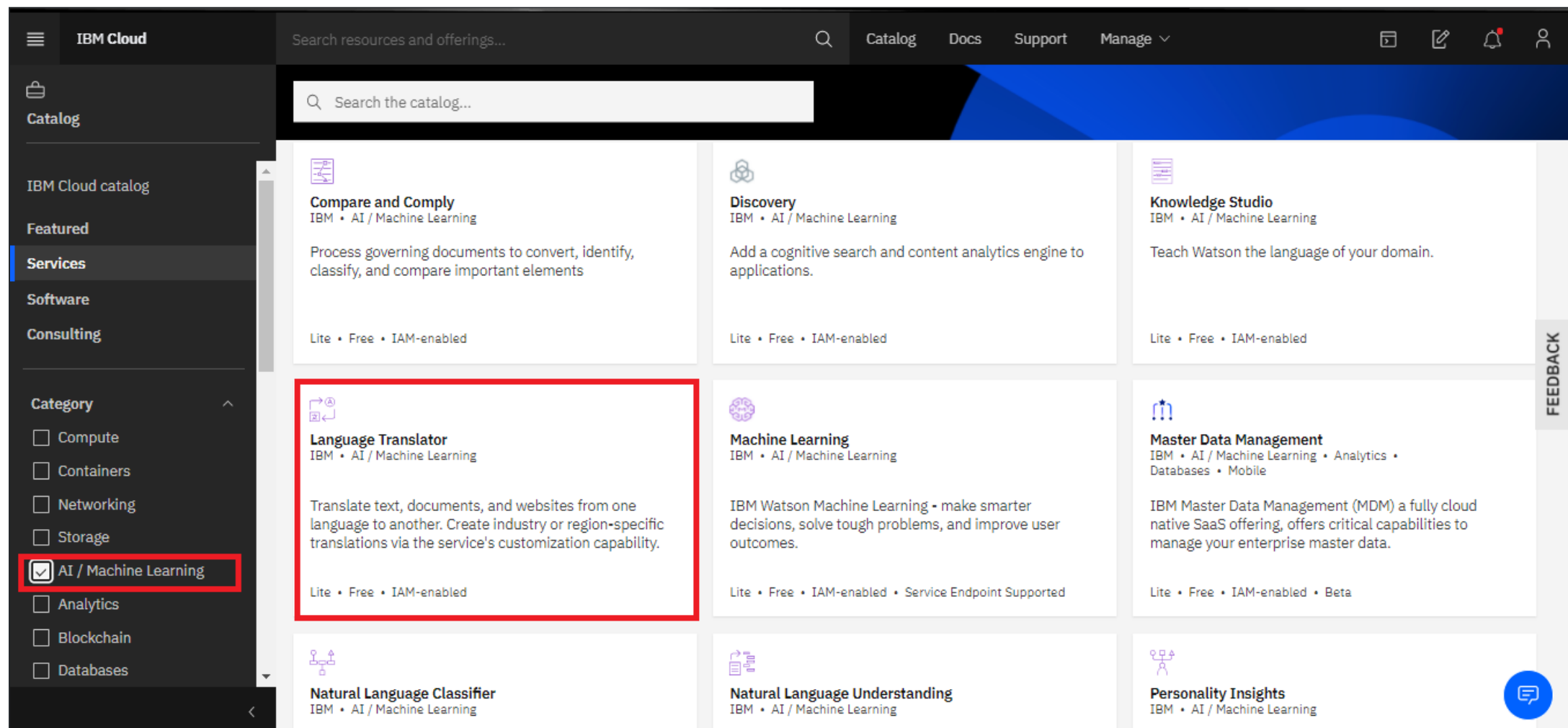
You need an IBM Cloud account to create a project in Watson Studio. If you don't have an account created already, click and open this [link](#) and follow the instructions, to create an IBM Cloud account.

Step 1: 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](#)



The screenshot shows the IBM Cloud Catalog interface. On the left, there is a sidebar with a 'Category' section where 'AI / Machine Learning' is selected and highlighted with a red box. The main area displays a grid of service listings. The 'Language Translator' service is highlighted with a red box. It is described as 'Translate text, documents, and websites from one language to another. Create industry or region-specific translations via the service's customization capability.' and is available in a 'Lite' plan, which is free and IAM-enabled. Other visible services include 'Compare and Comply', 'Discovery', 'Knowledge Studio', 'Machine Learning', 'Master Data Management', 'Natural Language Classifier', 'Natural Language Understanding', and 'Personality Insights'.

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

Catalog / Services /

Language Translator

IBM Watson • Date of last update: 11/11/2020 • Docs • API docs

Create About

Select a region

Select a region

Dallas

Select a pricing plan

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

Plan	Features	Pricing
Lite	Translate up to 1,000,000 Characters per Month Identify up to 68 languages with Language Identification Document Translation supporting 12 file types	Free

The Lite plan gets you started with 1,000,000 characters per month at no cost and includes the default translation models. When you upgrade to a paid plan, you can create custom models.

Lite plan services are deleted after 30 days of inactivity.

Create

Add to estimate

View terms

Summary

Language Translator Free

Region: Dallas

Plan: Lite

Service name: Language Translator-f2

Resource group: Default

FEEDBACK

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.

Resource list /

Language Translator-f2

Active Add tags

Details Actions...

Manage

Getting started

Service credentials

Plan

Connections

Start by viewing the tutorial

Getting started tutorial API reference

Plan

Lite

Upgrade

Credentials

Download Show credentials

API key:

.....

URL:

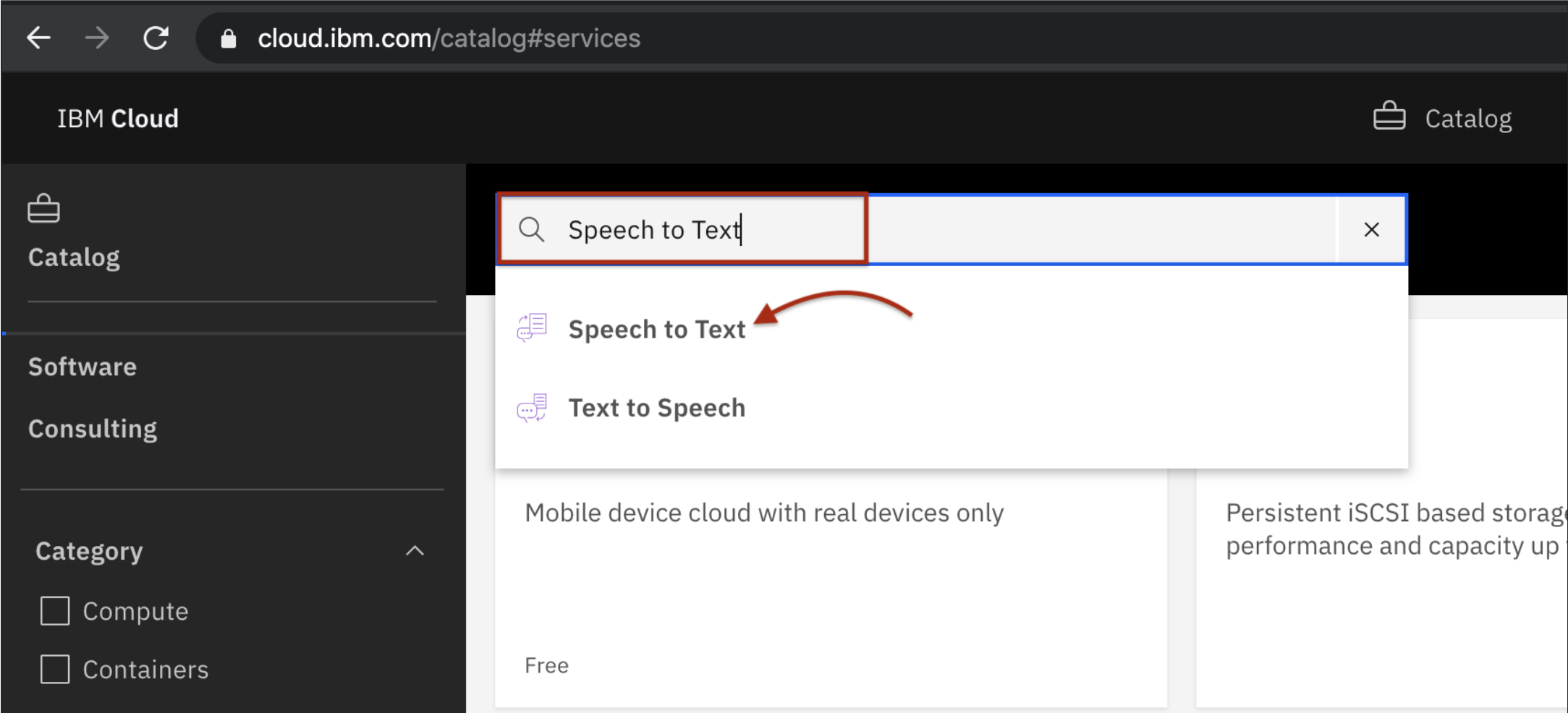
https://api.us-south.language-translator.watson.cloud.ibm.com/instances/91f70250-d75d-4211-e

FEEDBACK

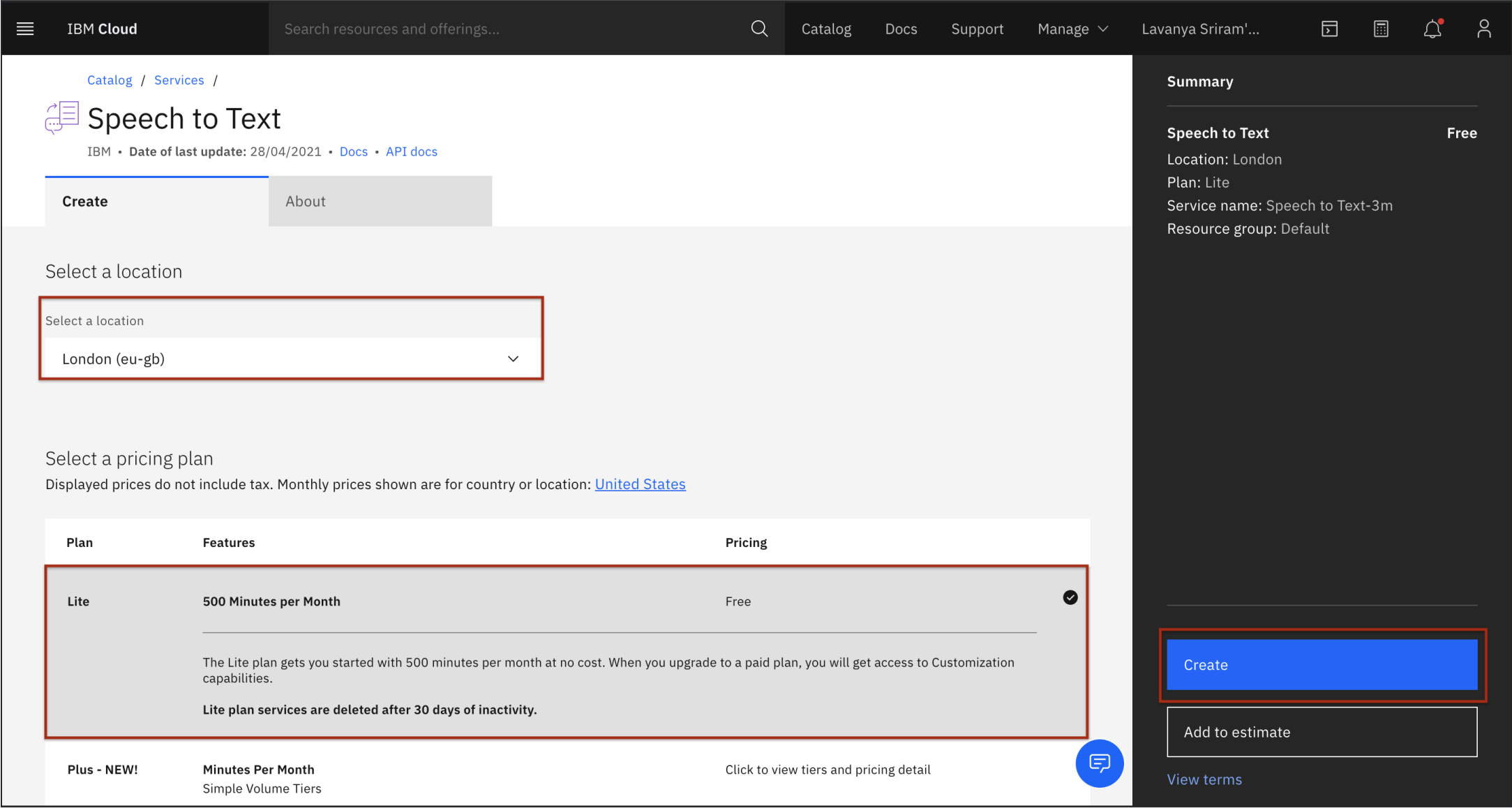
Step 2: Create a Speech to Text Instance

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 +

<div>^</div>	<div><input type="checkbox"/></div> Key name	Date created	
<div><div><div>^</div></div></div>	<div><div><input type="checkbox"/></div> Auto-generated service credentials</div>	2021-04-30 4:00 PM	<div><div><div><div></div><div></div></div></div></div>
<pre>{ "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:v1:bluemix:public:iam::::serviceRole:Manager", "iam_serviceid_crn": "crn:v1: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" }</pre>			

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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