Luware
Nimbus

# How to Configure a Speech Recognizer in Azure Portal and Register it in Luware Nimbus

A step-by-step guide for setting up a speech recognition service and integrating it with Luware Nimbus

# Contents

# Introduction

Speech recognition is the process of converting spoken words into text or commands. It can be used for various purposes, such as voice search, voice control, transcription, translation, and more.
In this document, you will learn how to configure a speech recognizer in Azure Portal and register it in Luware Nimbus.

# Prerequisites

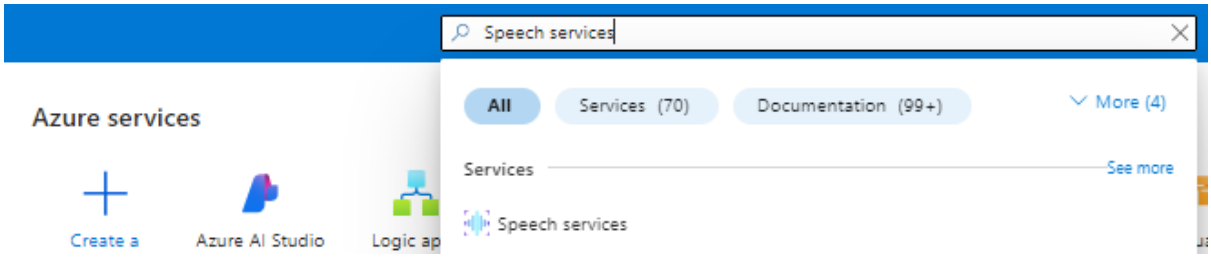
Before you start, you will need the following:

- An Azure account with an active subscription. If you don't have one, you can create a free account here.
- A Luware Nimbus account with administrator privileges.
- A computer with an internet connection and a web browser.

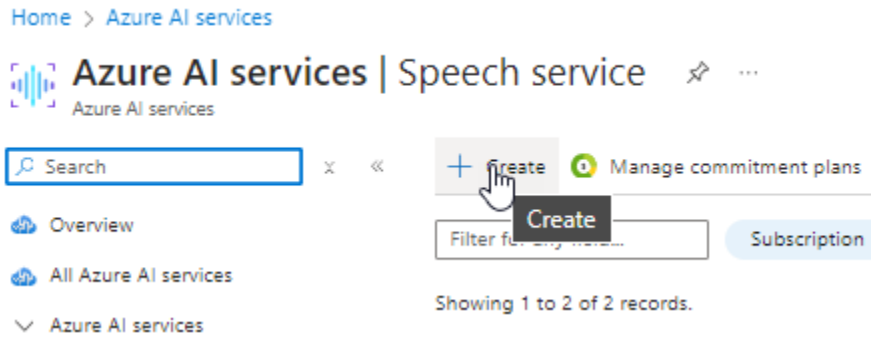
# Configure a Speech Recognizer in Azure Portal

To configure a speech recognizer in Azure Portal, follow these steps:

1. Open your web browser and go to portal.azure.com. Sign in with your Azure account credentials.
2. On the Azure homepage, search for “Speech services” in the search box and select it from the results.

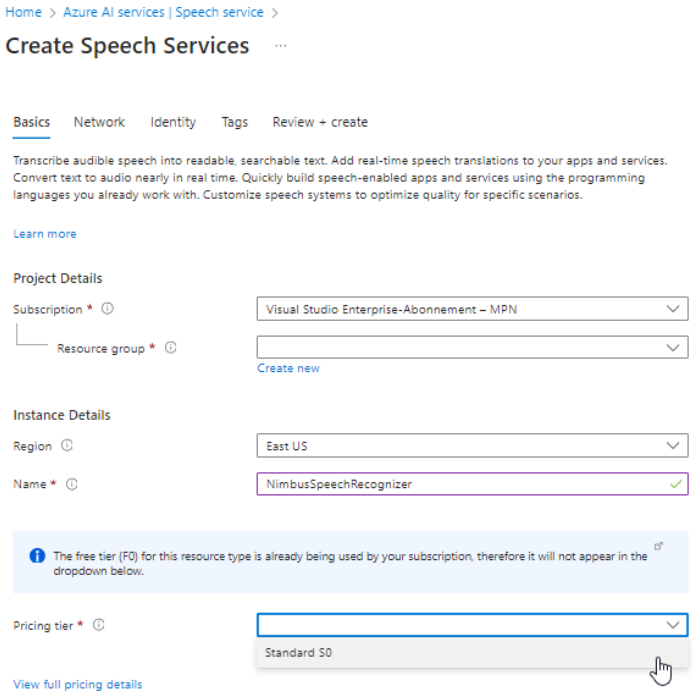



3. On the Speech services page, click on “Create” to create a new speech service.




4. On the Create speech page, select your:
   - subscription,
   - the resource group,
   - the region
   - and the name for your speech service.

   You can also select the pricing tier that suits your needs. You can use the F0 (free) tier, which allows up to 5 hours of speech recognition per month.

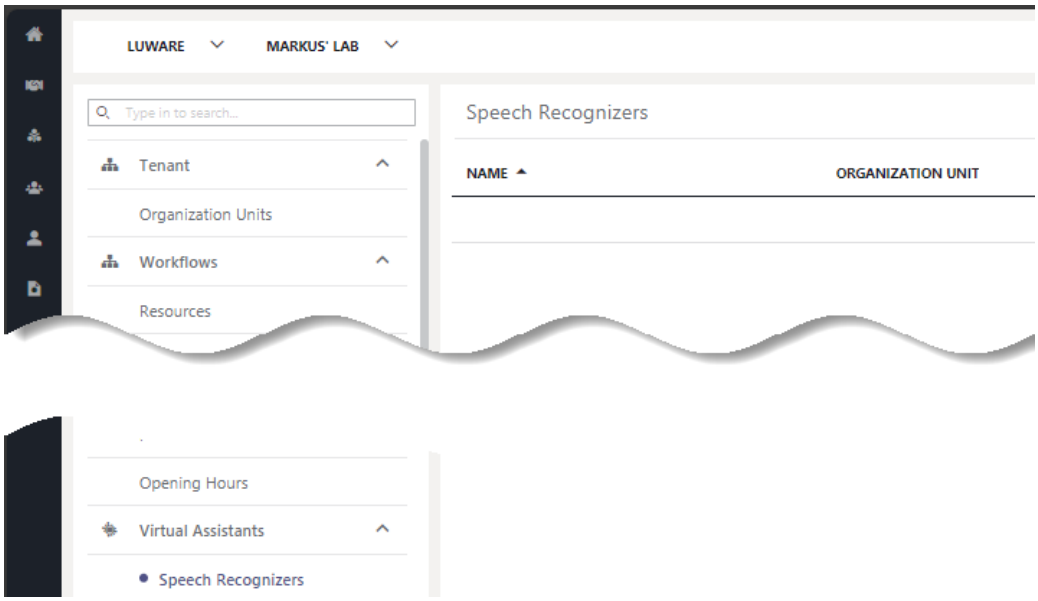



5. Click on "**Review + create**" to review your settings, and then click on “Create” to create your speech service.
6. Wait for the deployment to complete. You will see a notification when your speech service is ready.
7. Go to the overview page of your speech service. You will see the details of your speech service, such as the name, the status, the location, and the keys.
8. To register your speech service in Luware Nimbus, you will need one of the two keys and the location/region code. For example, in my case, the key is "**********" and the location/region is "eastus". Copy these values and save them somewhere for later use.

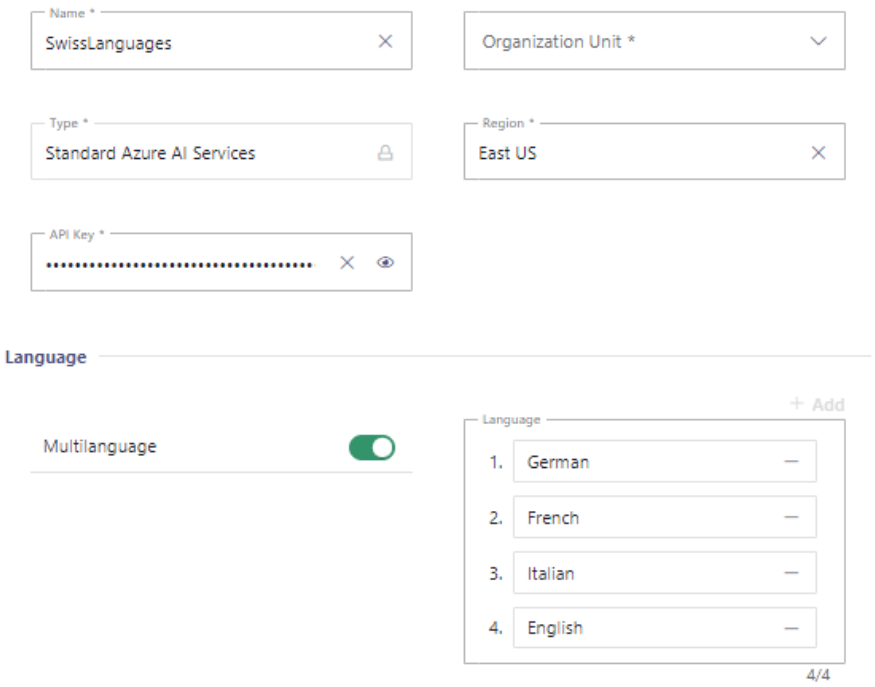

# Register your Speech Service in Luware Nimbus

To register your speech service in Luware Nimbus, follow these steps:

1. Open your web browser and go to admin.luware.cloud. Sign in with your Luware Nimbus account credentials.




2. On the Luware Nimbus homepage, click on the “Configuration” icon in the top right corner and select “Speech Recognizers” from the menu Virtual Assistant Area.
3. On the Speech Services page, click on the “Create New” button to add a new speech service.
4. On the Add Speech Service page, enter a name and select the Organization Unit for your speech service.
5. Select the region from the “Region dropdown” (East Us) and fill-in the API Key ("**********").
6. In the Language section you can decide, if you want to use the Speech Recognizer with a single language or use up to 4 different languages with the same recognizer.




7. Click on “Save” to save your speech service.
8. You will see your speech service listed on the Speech Services page. You can edit or delete it at any time.
9. The Speech Recognizer can now be used for Transcription

# Conclusion

This document guides you through setting up speech recognition in Azure and integrating it with Luware Nimbus.

Now you can:

- Enable speech-to-text for calls: Boost agent efficiency and improve accuracy.
- Introduce text-to-speech functionality: Enhance accessibility for callers.
- Streamline customer service: Deliver faster and more convenient interactions.

Ready to learn more?

Visit the following resources for a deeper dive:

- Azure Speech Service documentation
- Luware Knowledge Base

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