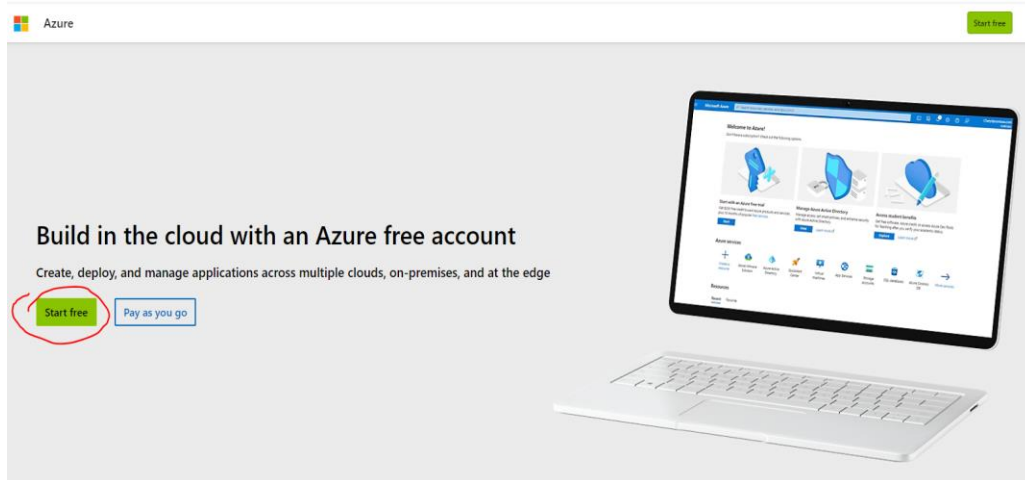
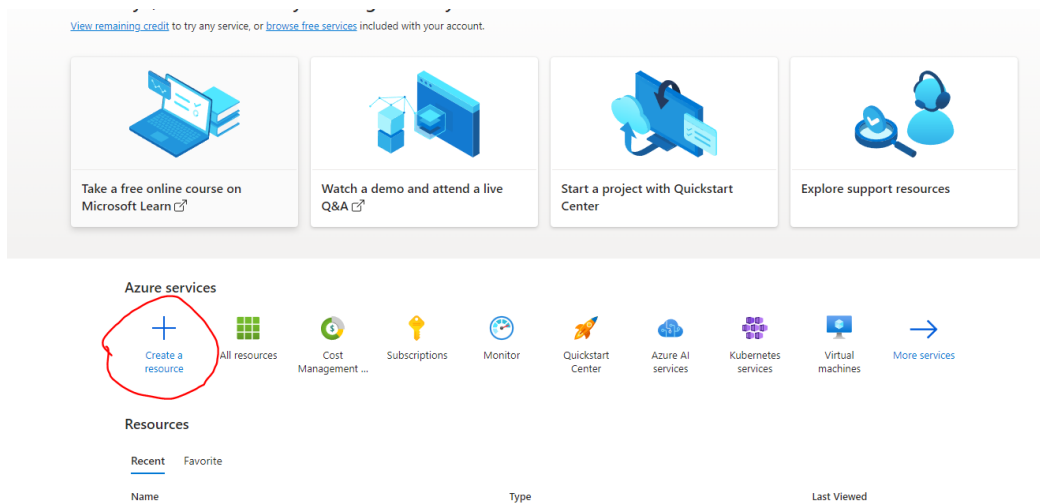


Steps to run Azure TTS

1) CREATE A **FREE** AZURE ACCOUT at Azure portal



2) CREATE RESOURCE GROUP <https://portal.azure.com/>



Create a resource ...

Get Started

Recently created

Categories

AI + Machine Learning

Analytics

Blockchain

Compute

Containers

Databases

Developer Tools

DevOps

Identity

Integration

Internet of Things

IT & Management Tools

Media

Search services and marketplace

Getting started? Try our Quickstart Center

Popular Azure services

See more in All services

Virtual machine

Create | Docs | MS Learn

Web App

Create | Docs | MS Learn

SQL Database

Create | Docs | MS Learn

Function App

Create | Docs

Key Vault

Create | Docs | MS Learn

Data Factory

Create | Docs | MS Learn

Template deployment (deploy using custom templates)

Create | Docs | MS Learn

Popular Marketplace products

See more in Market

Windows Server 2019 Datacenter

Create | Learn more

Windows 11 Pro, version 21H2

Create | Learn more

Ubuntu Server 20.04 LTS

Create | Learn more

Ubuntu Server 22.04 LTS

Create | Learn more

Red Hat Enterprise Linux 7.4

Create | Learn more

Essentials 50K

Set up + subscribe | Learn more

MongoDB Atlas (pay-as-you-go)

Set up + subscribe | Learn more

All services

All

Filter services

Service providers: All

Release Status: All

Microsoft Entra ID

Virtual machines

Resource groups

App Services

Storage accounts

SQL databases

Cost Management

Virtual networks

AI + machine learning (22)

Azure AI Studio

PREVIEW

Azure AI services

Anomaly detectors

Content moderators

Face APIs

Metrics advisors

Speech services

Azure Synapse Analytics

Azure Machine Learning

Azure AI services multi-service account

Bot Services

Custom vision

Immersive readers

Azure OpenAI

Translators

AI Search

Azure AI Video Indexer

Computer vision

Document intelligences

Language

Personalizers

Intelligent Recommendations Accounts

Analytics (23)

Analysis Services

Apache Airflow™ on Astro - An Azure Native ISV ...

PARTNER

Data factories

[All services](#) >

Resource groups

Default Directory

[+ Create](#) [Manage view](#) [Refresh](#) [Export to CSV](#) [Open query](#) | [Assign tags](#)

[Subscription equals all](#) [Location equals all](#) [Add filter](#)

Showing 1 to 1 of 1 records.

☐ Name ↑↓

Subscription ↑↓

Create a resource group ...

Basics **Tags** Review + create

Resource group - A container that holds related resources for an Azure solution. The resource group can include all the resources for the solution, or only those resources that you want to manage as a group. You decide how you want to allocate resources to resource groups based on what makes the most sense for your organization. [Learn more](#)

Project details

Subscription * ⓘ

Azure subscription 1

Resource group * ⓘ

Test1

Resource details

Region * ⓘ

(US) East US

Create a resource group ...

Basics **Tags** Review + create

Apply tags to your Azure resources to logically organize them by categories. A tag consists of a key (name) and a value. Tag names are case-insensitive and tag values are case-sensitive. [Learn more](#)

Name ⓘ	Value ⓘ	Resource
abc	xyz	Resource group
		Resource group

3) CREATE A SPEECH SERVICE : Go to this page

<https://portal.azure.com/#create/Microsoft.CognitiveServicesSpeechServices>

[Home](#) >

Create Speech Services ...

Basics Network Identity Tags Review + create

Transcribe audible speech into readable, searchable text. Add real-time speech translations to your apps and services. Convert text to audio nearly in real time. Quickly build speech-enabled apps and services using the programming languages you already work with. Customize speech systems to optimize quality for specific scenarios.

[Learn more](#)

Project Details

Subscription * ⓘ	<div>Azure subscription 1</div>
Resource group * ⓘ	<div>test</div> <div>Create new</div>

Instance Details

Region ⓘ	<div>East US</div>
Name * ⓘ	<div>ABCC</div>
Pricing tier * ⓘ	<div>Free F0</div>

[View full pricing details](#)

[Home](#) >

Create Speech Services ...

Basics **Network** Identity Tags Review + create

i Configure network security for your Azure AI services resource.

Type *

- ☒ All networks, including the internet, can access this resource.
- ☐ Selected networks, configure network security for your Azure AI services resource.
- ☐ Disabled, no networks can access this resource. You could configure private endpoint connections that will be the exclusive way to access this resource.

[Home](#) >

Create Speech Services ...

Basics Network Identity Tags Review + create

System assigned managed identity

Enable system assigned identity to grant the resource access to other existing resources.

Status ⓘ ☒ Off ☐ On

User assigned managed identity

Add user assigned identities to grant the resource access to other existing resources.

[+ Add](#) [Remove](#)

Name	↑↓	Resource group	↑↓	Subscription	↑↓
No user assigned managed identities assigned to this resource. Select 'Add' to add more.					

[Home](#) >

Create Speech Services ...

Basics Network Identity Tags Review + create

Tags are name/value pairs that enable you to categorize resources and view consolidated billing by applying the same tag to multiple resources and resource groups. [Learn more about tags](#)

Note that if you create tags and then change resource settings on other tabs, your tags will be automatically updated.

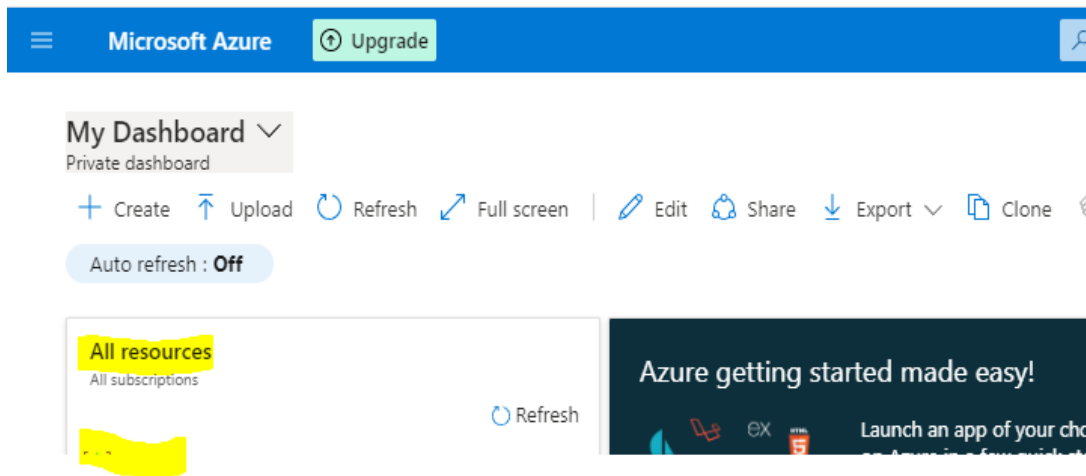
Name ⓘ	Value ⓘ	Resource
<input type="text"/>	: <input type="text"/>	Azure AI services

Previous

Next

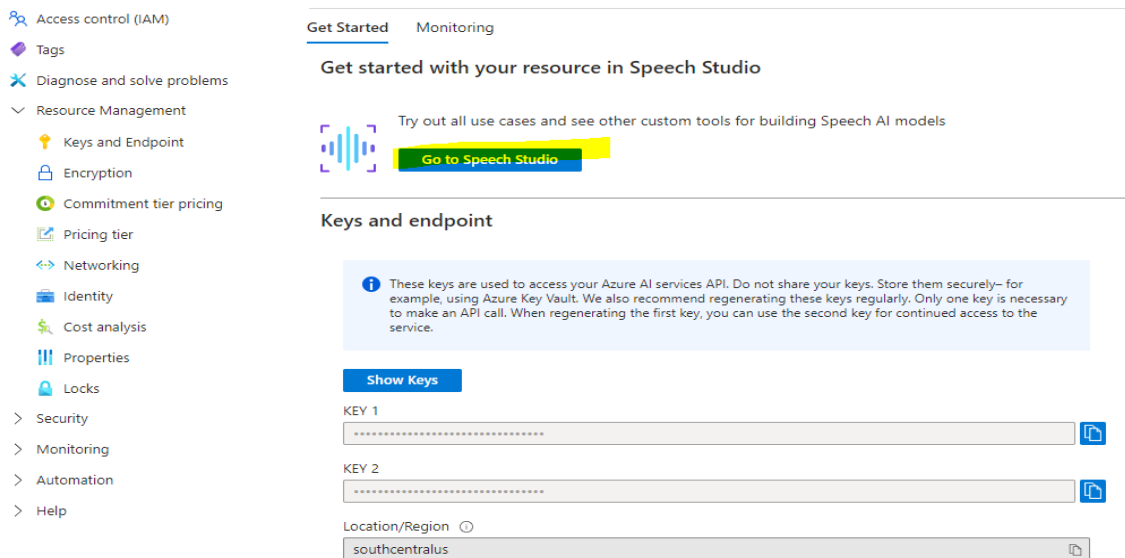
Review + create

GO TO DASHBOARD: IT WILL SHOW YOU THE ALL RESOURCES, CLICK ON IT




4) Do TTS

a. TO DO ONLINE SYNTHESIS, CLICK ON “GO TO SPEECH STUDIO”



Text to speech


Build apps and services that speak naturally with more than 400 voices across 140 languages and dialects. Create a customized voice to differentiate your brand and use various speaking styles to bring a sense of emotion to your spoken content. [Learn more about text to speech](#)



Voice Gallery

Browse expressive voices with humanlike speech to find the perfect speaker for your project.


[Try out Voice Gallery](#)



Custom Voice

Use your own audio recordings to create a distinct, one-of-a-kind voice for your text to speech apps.


[Start a Custom Voice project](#)



Personal Voice

Create an AI voice easily from a human voice sample, providing your users with a personalized voice experience across 100 languages.


[Try out Personal Voice](#)



Audio Content Creation

Craft nuanced speech by adjusting the speaking style, pacing, and pronunciation of your spoken content.

[Start an Audio Content Creation project](#)



Azure AI | Speech Studio

Speech Studio > Audio Content Creation > My files

Discover

My files

Task list

Audio library

Manage files

+ New

Folder

Text file

Lexicon file

Upload

Export


Download

Rename

Delete

Auto predict

Template



Create a new file.

Click the **New** icon or **Upload** icon in the upper-left to create a new text file or a new lexicon.

[Learn more about file requirements.](#)

Azure AI | Speech Studio

Speech Studio > Audio Content Creation > My files > Untitled *

File

Save

Export

Template

Auto predict

SSML

00:00

00:00

24kHz

1. [Voice name] how are you?

You don't have any files saved yet

Tuning

Comment

Recent

Voice

Language

English (United States)

Jenny

Ava ...

Andre...

Emm...

Break

Standard

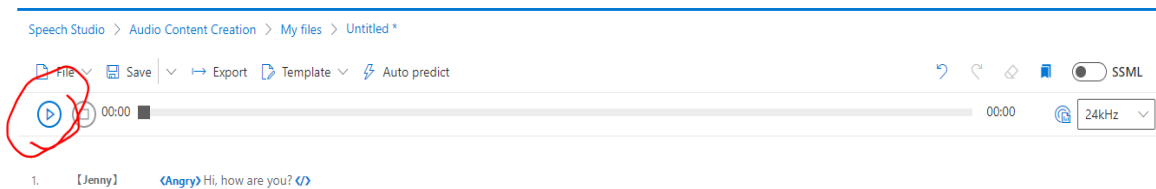
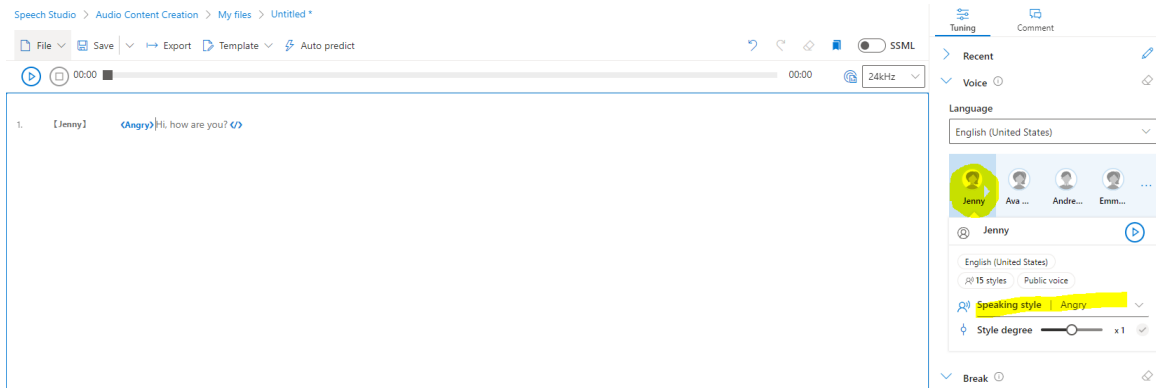
Advanced

Custom

Default

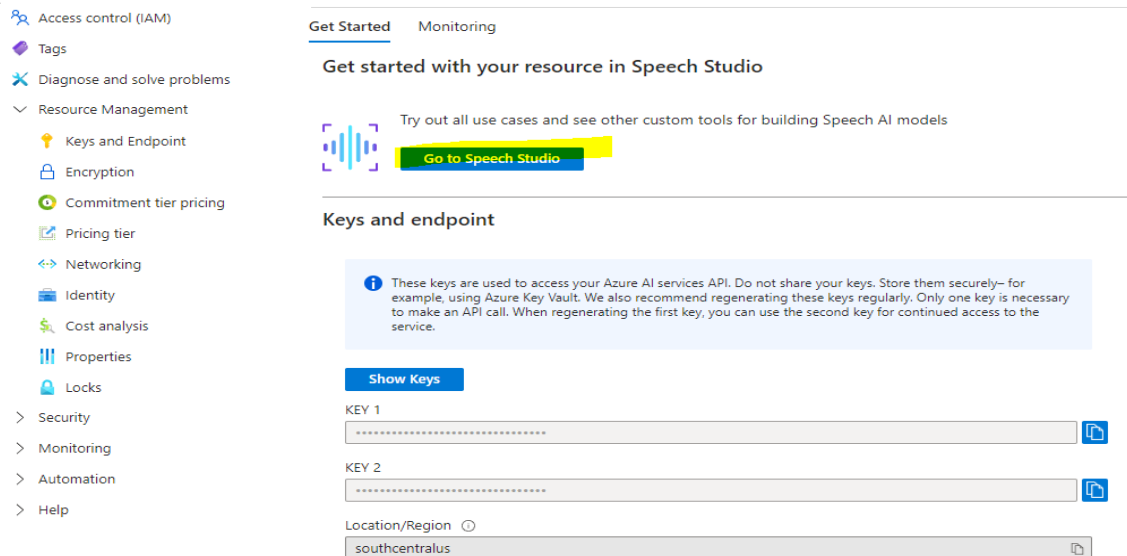
Silence

+ Add a silence type



b. FOR BATCH SYNTHESSES:

1. FIRST SET THE ENVIROMENT VARIABLES: needs the key and the region information provided in above screenshot



For windows: type in command prompt

```
setx SPEECH_KEY your-key  
setx SPEECH_REGION your-region
```

For Linux: Edit your *.bashrc* file, and add the environment variables:

```
export SPEECH_KEY=your-key  
export SPEECH_REGION=your-region
```

For Edit your *.bash_profile* file, and add the environment variables:

```
export SPEECH_KEY=your-key  
export SPEECH_REGION=your-region
```

Can see this link for more details: <https://learn.microsoft.com/en-us/azure/ai-services/speech-service/get-started-text-to-speech?tabs=macos%2Cterminal&pivots=programming-language-python>

2. After setting the variables :

For one synthesis: Use the *synthesis.py*

For batch synthesis: Use the *batch_synthesis.py*