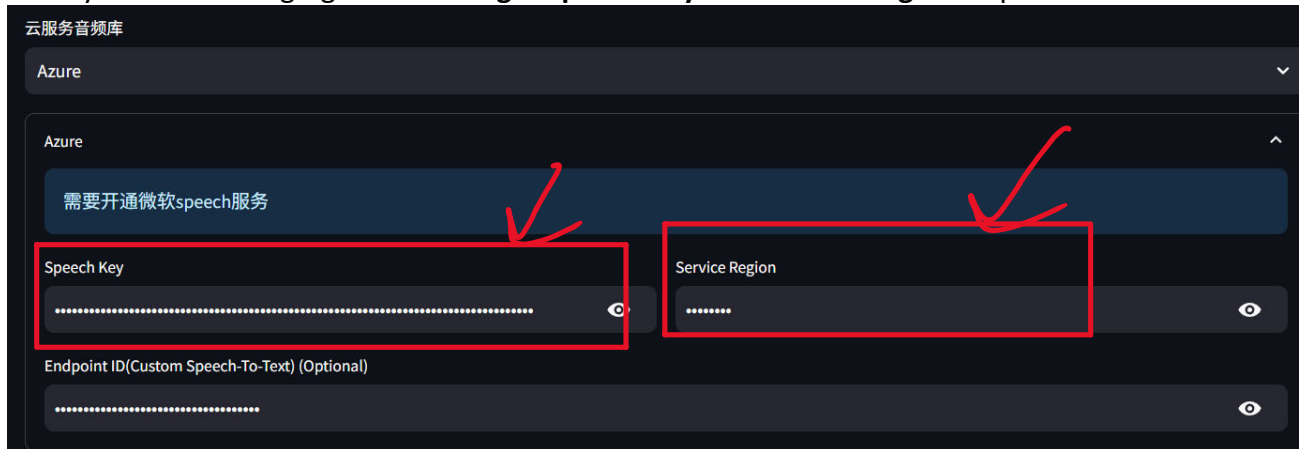# Azure Speech service guide

09 May 2025   10:09

Azure is a cloud service provided by Microsoft

Check Pricing Here: Pricing from Microsoft Speech Service

- Mainly what we doing right now is to **get Speech Key and Service Region** required below

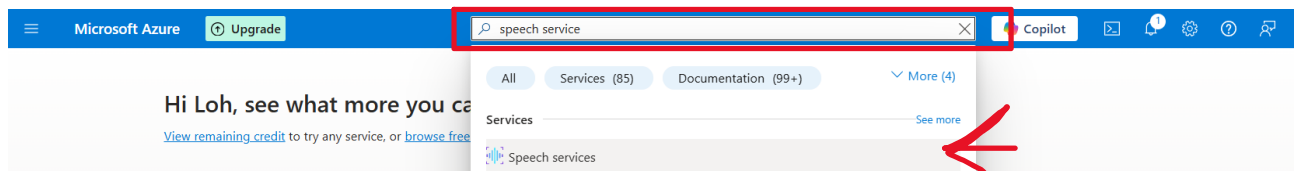Firstly, register a free outlook account for to use (enough for not frequent use)
- Need a credit/debit card to register

https://speech.microsoft.com/portal

After have an account, login with this link https://portal.azure.com/#home

Then you can search **"Speech Service"** at top search bar

- Then click "Create"

Fill up required fields :

- **Resource group & Name** - need to name yourself
- **Region** - **East Asia** (Example not allow me choose again)
- **Pricing Tier** - **Free F0**

- Then click "Review + create", your Azure service is created.

- After that, you can click into your service to get key and region
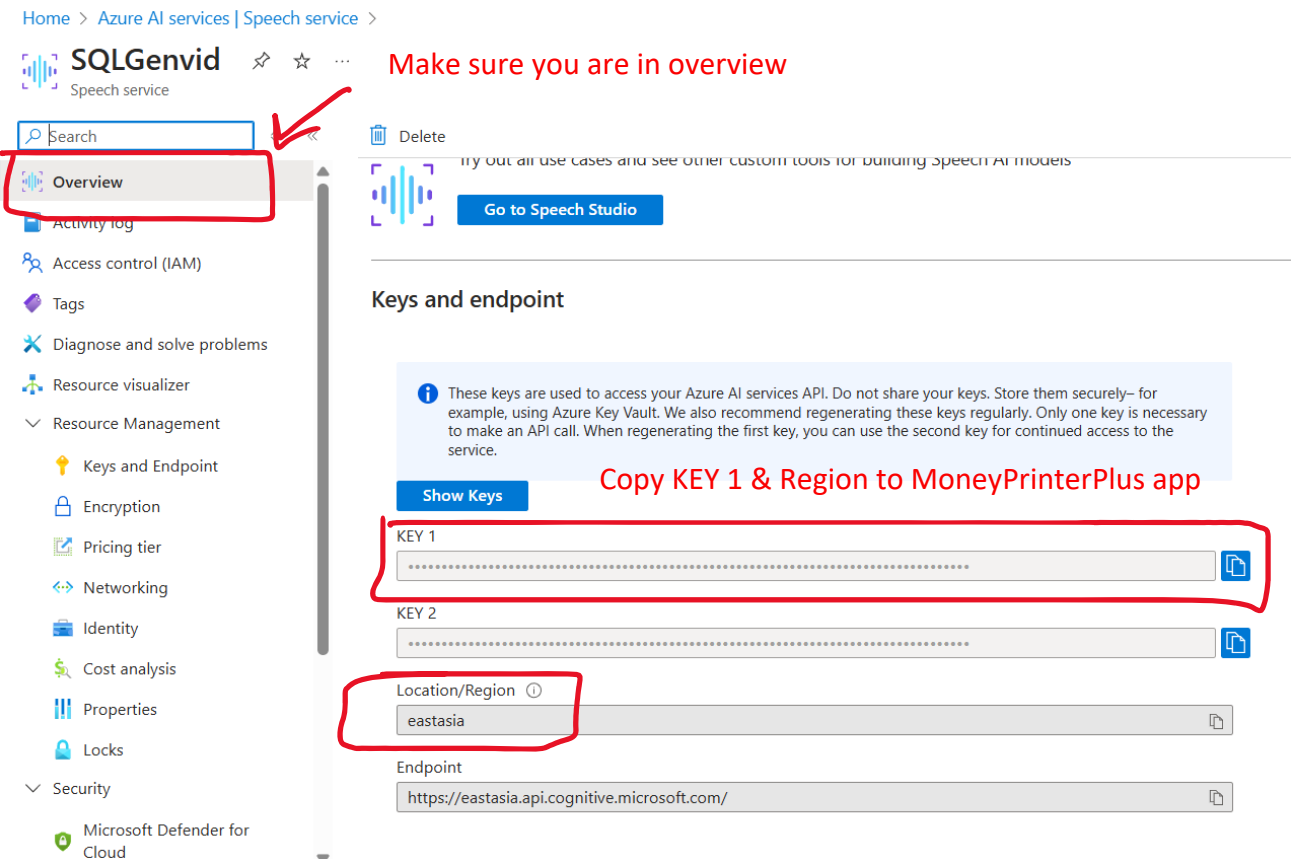
Click into the instance you had created just now

Make sure you are in overview

Copy KEY 1 & Region to MoneyPrinterPlus app

DONE FOR SETUP!

Now you can use the service in application

- Remember Free Tier(F0) have usage limit, check below

Check usage you had used

Scroll down
First Step, Scroll down find "Monitoring" and click "Metrics"

To check Text-To-Speech usage, For Metric choose "Synthesized Characters" and Top Right "Local Time" can change to "Last 30 days"

Change to "Last 30 days"
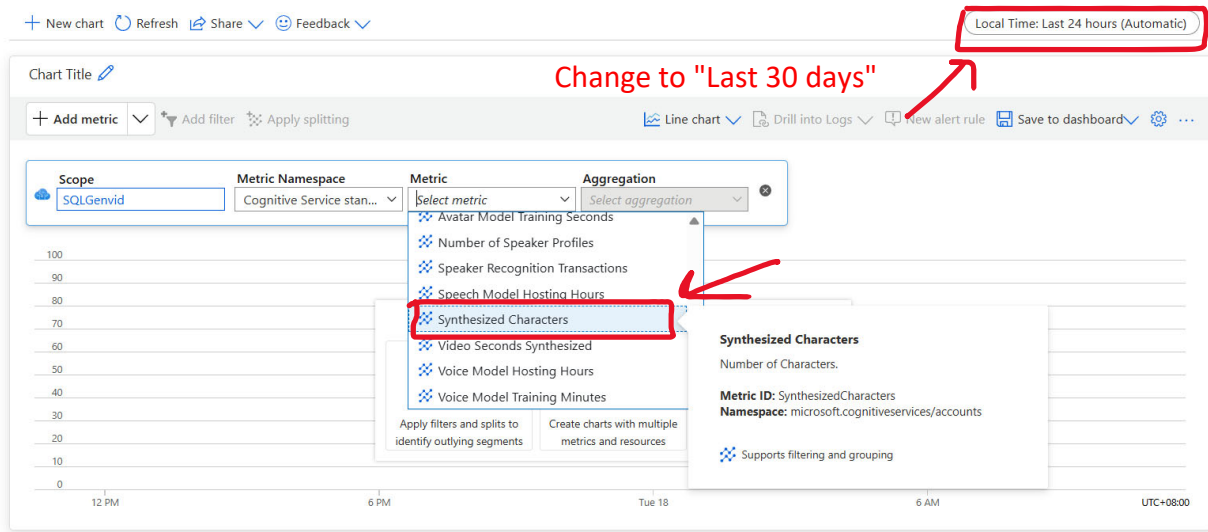
Then you may get this graph with sum of Synthesized Characters

Here show total Text-To-Speech character used in 30 days
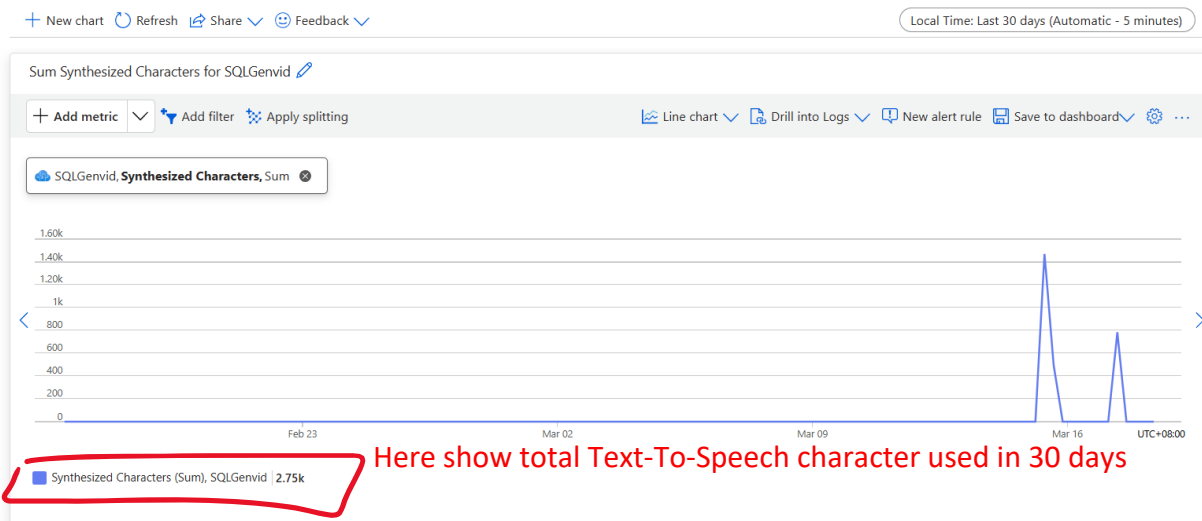
Also, you can check your ==Speech-To-Text usage== by clicking "Add metric" above this graph and select "Audio Seconds Transcribed"
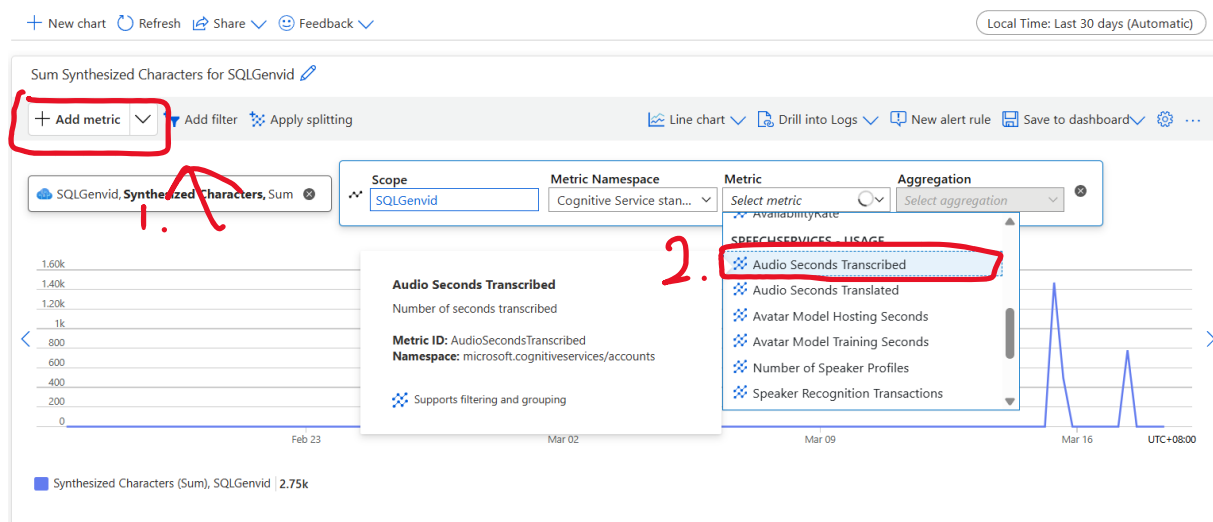
Then it will show a new line about the Speech-To-Text usage in 30 days
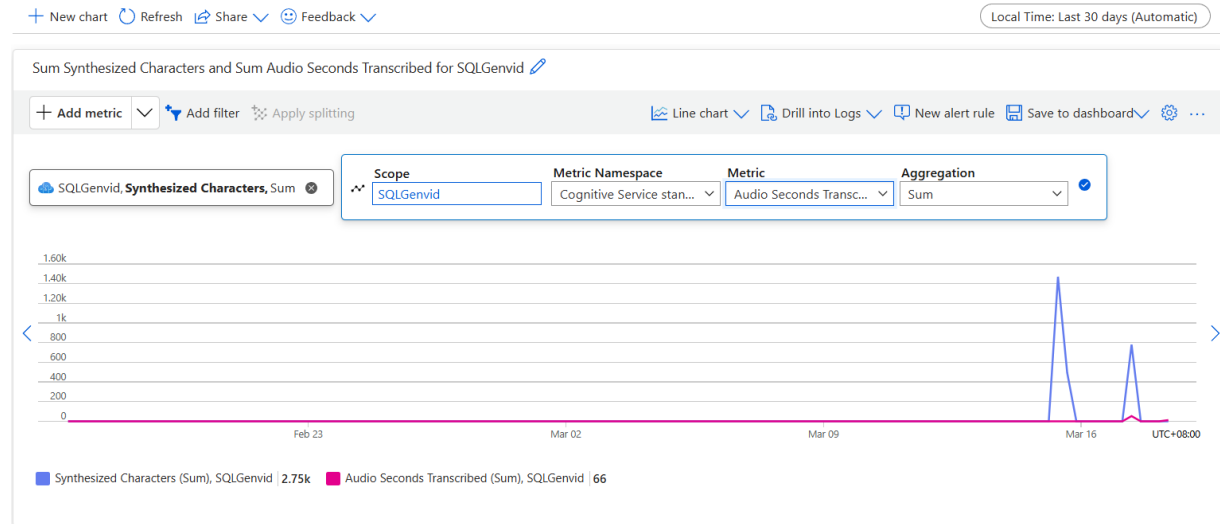
NOTE: In Free Tier(F0) account, Text-To-Speech limit is 500,000 characters per month, Speech-To-Text is 5 hours (18000 seconds) per month
In Average, you may use 16,667 daily for Text-To-Speech (For AI Voiceover)
& 600 seconds daily for Speech-To-Text (For Caption)

Extra : You also can pin this graph to dashboard for future convient to monitor by clicking "Save to dashboard" -> "Pin to dashboard"

For viewing in dashboard, click 3 bar at the Top Left side, then click "Dashboard"

Virtual machines

Load balancers

Storage accounts

Virtual networks

Microsoft Entra ID

Monitor

Advisor

Microsoft Defender for Cloud

Cost Management + Billing
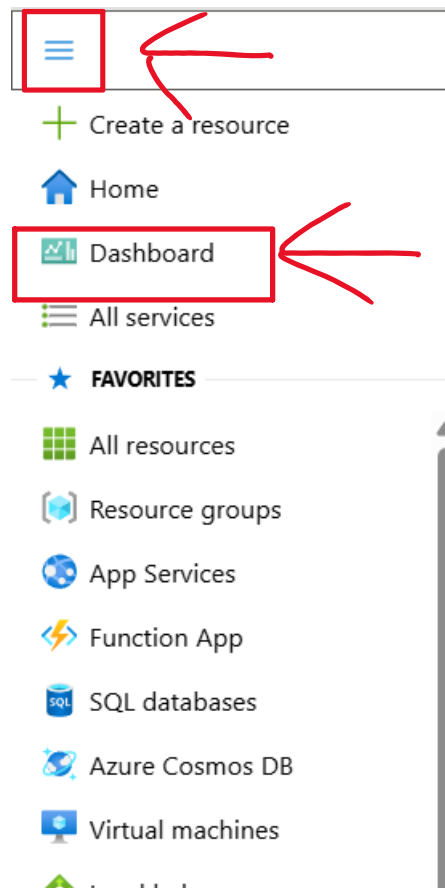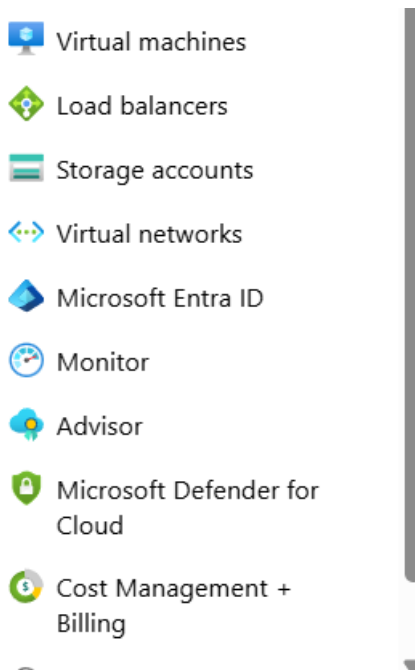
Inside could be massive for first time, you can scroll down find your chart and right click it -> Customize, then move to your desire place.
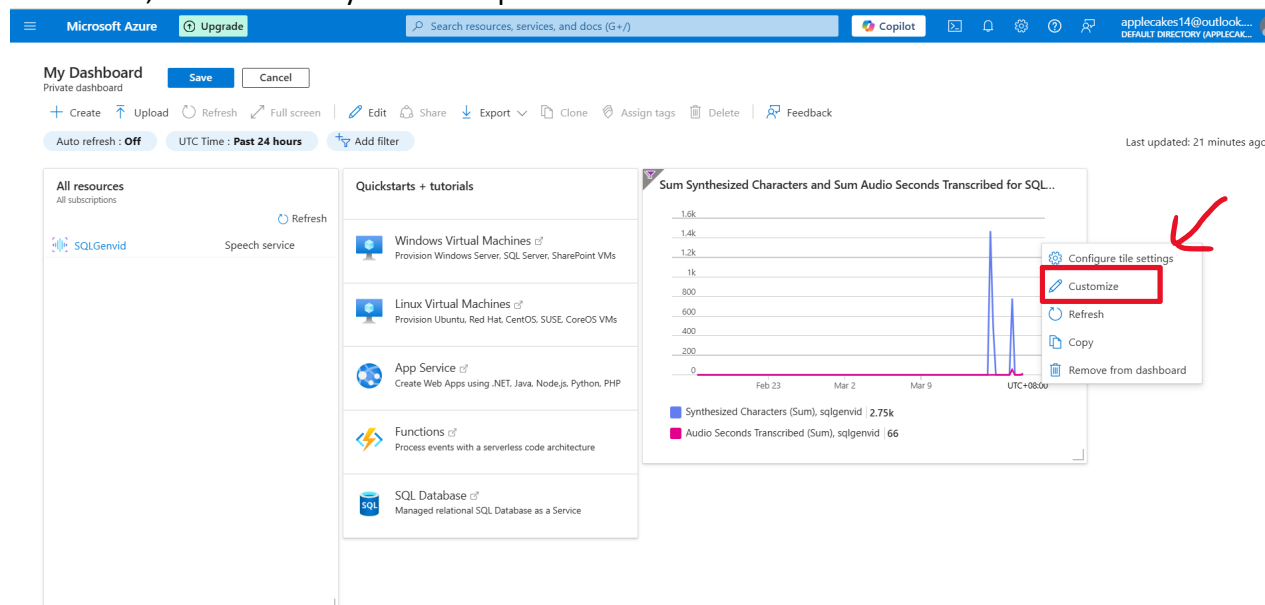
<mark>DONE!</mark>

- Remark: If your account is over 30 days, need to ugrade to basic plan(Pay as you go), you still may enjoy 12 month free speech service. (but I do not know what if use over, would be charge for it)

_____

Azure speecher styles
BELOW JUST FOR REFER (AS OF 5/5/2025)

Name	Voice	Style
晓晓(女)	zh-CN-XiaoxiaoNeura	affectionate, angry, assistant, calm, chat, chat-casual, cheerful, customerservice, disgruntled, excited, fearful,

	l	friendly, gentle, lyrical, newscast, poetry-reading, sad, serious, sorry, whispering
云希(男)	zh-CN-YunxiNeural	angry, assistant, chat, cheerful, depressed, disgruntled, embarrassed, fearful, narration-relaxed, newscast, sad, serious
云健(男)	zh-CN-YunjianNeural	angry, cheerful, depressed, disgruntled, documentary-narration, narration-relaxed, sad, serious, sports-commentary, sports-commentary-excited
晓伊(女)	zh-CN-XiaoyiNeural	affectionate, angry, cheerful, disgruntled, embarrassed, fearful, gentle, sad, serious
云扬(男)	zh-CN-YunyangNeural	customerservice, narration-professional, newscast-casual
晓晨(女)	zh-CN-XiaochenNeural	livecommercial
晓涵(女)	zh-CN-XiaohanNeural	affectionate, angry, calm, cheerful, disgruntled, embarrassed, fearful, gentle, sad, serious
晓萌(女)	zh-CN-XiaomengNeural	chat
晓墨(女)	zh-CN-XiaomoNeural	affectionate, angry, calm, cheerful, depressed, disgruntled, embarrassed, envious, fearful, gentle, sad, serious
晓秋(女)		
晓睿(女)	zh-CN-XiaoruiNeural	angry, calm, fearful, sad
晓双(女,儿童)	zh-CN-XiaoshuangNeural	chat
晓颜(女)		
晓悠(女,儿童)		
晓珍(女)	zh-CN-XiaozhenNeural	angry, cheerful, disgruntled, fearful, sad, serious
云峰(男)	zh-CN-YunfengNeural	angry, cheerful, depressed, disgruntled, fearful, sad, serious

云浩(男)	zh-CN-YunhaoNeural	advertisement-upbeat
云夏(男)	zh-CN-YunxiaNeural	angry, calm, cheerful, fearful, sad
云野(男)	zh-CN-YunyeNeural	angry, calm, cheerful, disgruntled, embarrassed, fearful, sad, serious
云泽(男)	zh-CN-YunzeNeural	angry, calm, cheerful, depressed, disgruntled, documentary-narration, fearful, sad, serious
晓晓(女), 多语言	zh-CN-XiaoxiaoMultilingualNeural	affectionate, cheerful, empathetic, excited, poetry-reading, sorry, story

From <https://learn.microsoft.com/en-us/azure/ai-services/speech-service/language-support?tabs=tts#text-to-speech>

Test Sound
https://speech.microsoft.com/portal/8403c9b2045b4e3e80aa3774b0a91178/voicegallery
- Note: if you want to save your credit, <mark>DO NOT USE THE CUSTOM TEXT TEST SOUND</mark>. Just use the sample given is enough.

Change Sound (deal with code)
https://learn.microsoft.com/en-us/azure/ai-services/speech-service/speech-synthesis-markup-voice

en-US-JennyNeural	angry, assistant, chat, cheerful, customerservice, excited, friendly, hopeful, newscast, sad, shouting, terrified, unfriendly, whispering
en-US-GuyNeural	angry, cheerful, excited, friendly, hopeful, newscast, sad, shouting, terrified, unfriendly, whispering
en-US-AriaNeural	angry, chat, cheerful, customerservice, empathetic, excited, friendly, hopeful, narration-professional, newscast-casual, newscast-formal, sad, shouting, terrified, unfriendly, whispering
en-US-DavisNeural	angry, chat, cheerful, excited, friendly, hopeful, sad, shouting, terrified, unfriendly, whispering
en-US-JaneNeural	angry, cheerful, excited, friendly, hopeful, sad, shouting, terrified, unfriendly, whispering
en-US-JasonNeural	angry, cheerful, excited, friendly, hopeful, sad, shouting, terrified, unfriendly, whispering
en-US-SaraNeural	angry, cheerful, excited, friendly, hopeful, sad, shouting, terrified, unfriendly, whispering
en-US-TonyNeural	angry, cheerful, excited, friendly, hopeful, sad, shouting, terrified, unfriendly, whispering
en-US-NancyNeural	angry, cheerful, excited, friendly, hopeful, sad, shouting, terrified, unfriendly, whispering

Voice	Styles	
en-US-AndrewMultilingualNeural	empathetic, relieved	

Voice	Styles	Roles
de-DE-ConradNeural	cheerful, sad	Not supported
en-GB-RyanNeural	chat, cheerful, sad, whispering	Not supported
en-GB-SoniaNeural	cheerful, sad	Not supported
en-IN-NeerjaNeural	cheerful, empathetic, newscast	Not supported
en-US-AndrewMultilingualNeural	empathetic, relieved	Not supported
en-US-AriaNeural	angry, chat, cheerful, customerservice, empathetic, excited, friendly, hopeful, narration-professional, newscast-casual, newscast-formal, sad, shouting, terrified, unfriendly, whispering	Not supported
en-US-DavisNeural	angry, chat, cheerful, excited, friendly, hopeful, sad, shouting, terrified, unfriendly, whispering	Not supported
en-US-GuyNeural	angry, cheerful, excited, friendly, hopeful, newscast, sad, shouting, terrified, unfriendly, whispering	Not supported
en-US-JaneNeural	angry, cheerful, excited, friendly, hopeful, sad, shouting, terrified, unfriendly, whispering	Not supported
en-US-JasonNeural	angry, cheerful, excited, friendly, hopeful, sad, shouting, terrified, unfriendly, whispering	Not supported
en-US-JennyNeural	angry, assistant, chat, cheerful, customerservice, excited, friendly, hopeful, newscast, sad, shouting, terrified, unfriendly, whispering	Not supported
en-US-KaiNeural	conversation	Not supported
en-US-LunaNeural	conversation	Not supported
en-US-NancyNeural	angry, cheerful, excited, friendly, hopeful, sad, shouting, terrified, unfriendly, whispering	Not supported
en-US-SaraNeural	angry, cheerful, excited, friendly, hopeful, sad, shouting, terrified, unfriendly, whispering	Not supported

en-US-SerenaMultilingualNeural1	empathetic, excited, friendly, relieved, sad, serious, shy	Not supported
en-US-TonyNeural	angry, cheerful, excited, friendly, hopeful, sad, shouting, terrified, unfriendly, whispering	Not supported
es-ES-AlvaroNeural	cheerful, sad	Not supported
es-MX-DaliaNeural	cheerful, sad, whispering	Not supported
es-MX-JorgeNeural	chat, cheerful, excited, sad, whispering	Not supported
fr-FR-DeniseNeural	cheerful, excited, sad, whispering	Not supported
fr-FR-HenriNeural	cheerful, excited, sad, whispering	Not supported
hi-IN-SwaraNeural	cheerful, empathetic, newscast	Not supported
it-IT-DiegoNeural	cheerful, excited, sad	Not supported
it-IT-IsabellaNeural	chat, cheerful, excited, sad, whispering	Not supported
ja-JP-NanamiNeural	chat, cheerful, customerservice	Not supported
ko-KR-InJoonNeural	sad	Not supported
pt-BR-FranciscaNeural	calm	Not supported
pt-PT-RaquelNeural	sad, whispering	Not supported
zh-CN-XiaochenNeural	livecommercial	Not supported
zh-CN-XiaohanNeural	affectionate, angry, calm, cheerful, disgruntled, embarrassed, fearful, gentle, sad, serious	Not supported
zh-CN-XiaomengNeural	chat	Not supported
zh-CN-	affectionate, angry, calm, cheerful, depressed, disgruntle	Boy, Girl, OlderAdultFemale, Older

XiaomoNeural	d, embarrassed, envious, fearful, gentle, sad, serious	AdultMale, SeniorFemale, SeniorMale, YoungAdultFemale, YoungAdultMale
zh-CN-XiaoruiNeural	angry, calm, fearful, sad	Not supported
zh-CN-XiaoshuangNeural	chat	Not supported
zh-CN-XiaoxiaoMultilingualNeural	affectionate, cheerful, empathetic, excited, poetry-reading, sorry, story	Not supported
zh-CN-XiaoxiaoNeural	affectionate, angry, assistant, calm, chat, chat-casual, cheerful, customerservice, disgruntled, excited, fearful, friendly, gentle, lyrical, newscast, poetry-reading, sad, serious, sorry, whispering	Not supported
zh-CN-XiaoyiNeural	affectionate, angry, cheerful, disgruntled, embarrassed, fearful, gentle, sad, serious	Not supported
zh-CN-XiaozhenNeural	angry, cheerful, disgruntled, fearful, sad, serious	Not supported
zh-CN-YunfengNeural	angry, cheerful, depressed, disgruntled, fearful, sad, serious	Not supported
zh-CN-YunhaoNeural 2	advertisement-upbeat	Not supported
zh-CN-YunjianNeural 3,4	angry, cheerful, depressed, disgruntled, documentary-narration, narration-relaxed, sad, serious, sports-commentary, sports-commentary-excited	Not supported
zh-CN-YunxiaNeural	angry, calm, cheerful, fearful, sad	Not supported
zh-CN-YunxiNeural	angry, assistant, chat, cheerful, depressed, disgruntled, embarrassed, fearful, narration-relaxed, newscast, sad, serious	Boy, Narrator, YoungAdultMale
zh-CN-YunyangNeural	customerservice, narration-professional, newscast-casual	Not supported
zh-CN-YunyeNeural	angry, calm, cheerful, disgruntled, embarrassed, fearful, sad, serious	Boy, Girl, OlderAdultFemale, OlderAdultMale, SeniorFemale, SeniorMale, YoungAdultFemale, YoungAdultMale

zh-CN-YunzeNeural	angry, calm, cheerful, depressed, disgruntled, documentary-narration, fearful, sad, serious

From <https://learn.microsoft.com/en-us/azure/ai-services/speech-service/language-support?tabs=tts#text-to-speech>