# <오전>

사용 기술

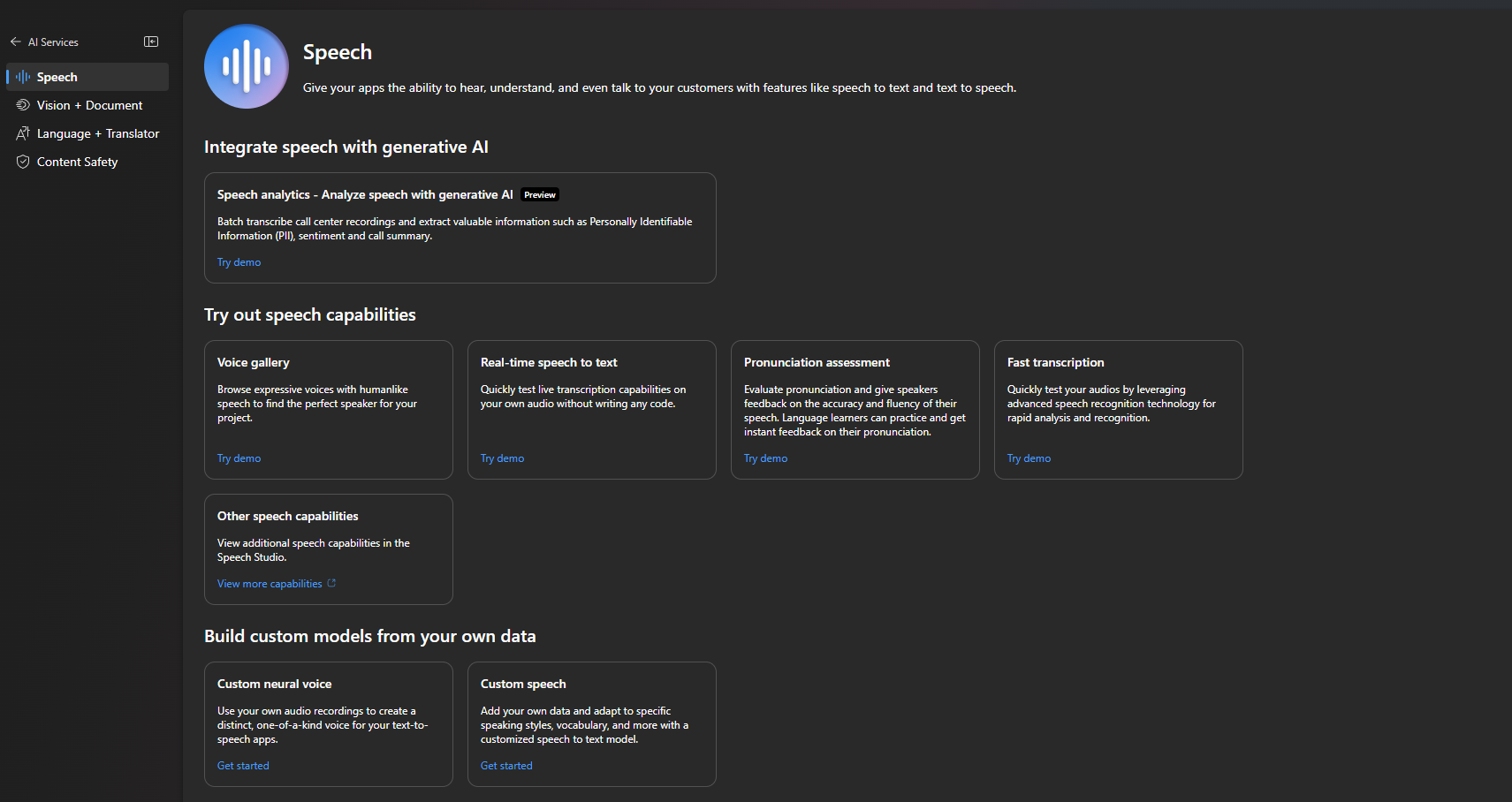
* Azure
  + Azure AI service
  + Azure AI language
* Postman

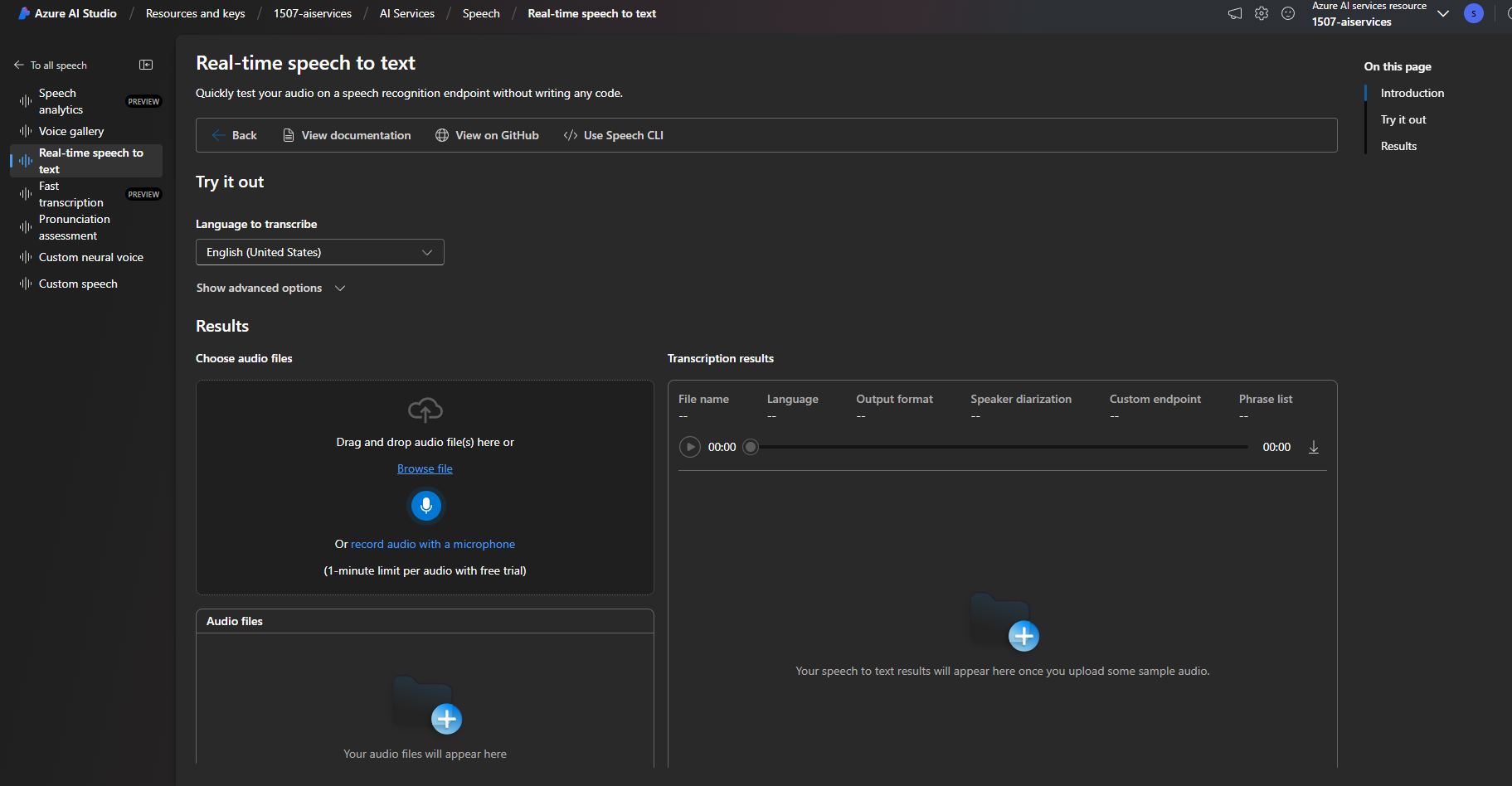
## AI Speech 기능 사용해 보기

### Speech 클릭

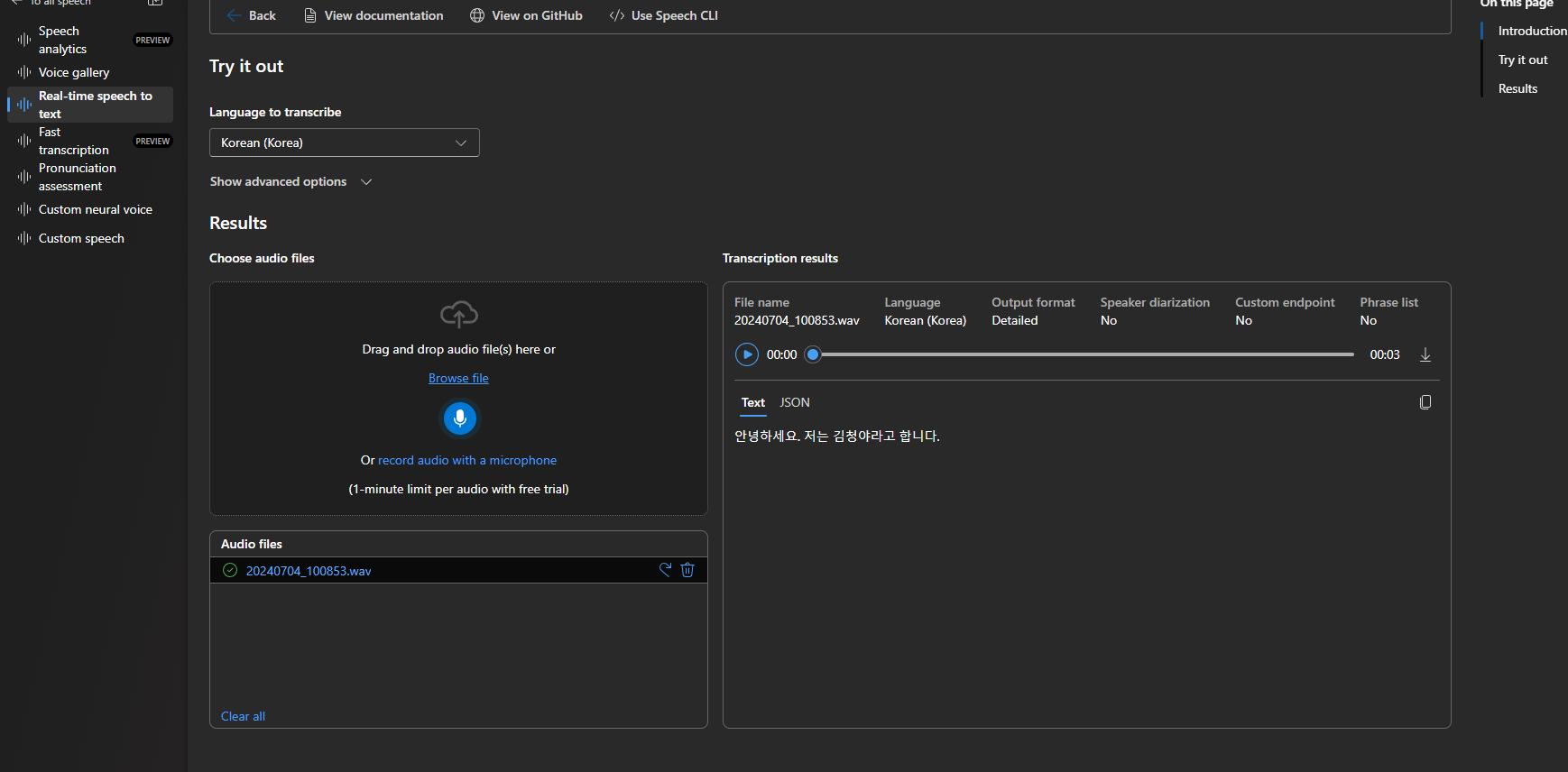


Real-time speech to text 클릭





실시간으로 음성을 인식하는 것을 보여준다.

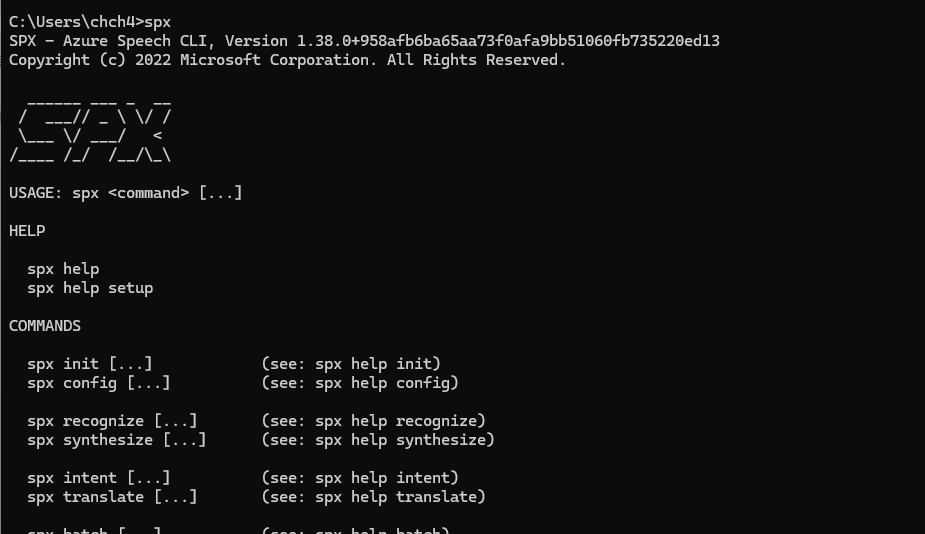
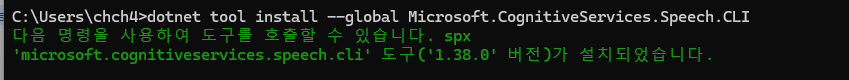


### Speech CLI를 사용하기 위해 리소스 다운로드

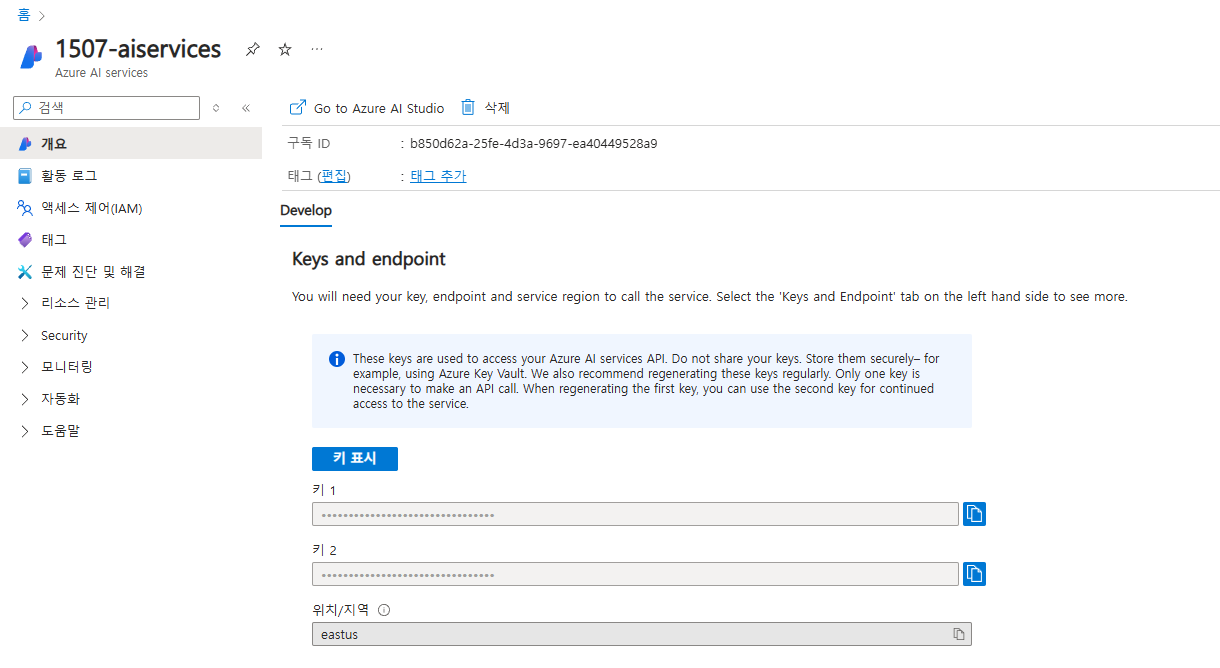
<https://learn.microsoft.com/ko-kr/cpp/windows/latest-supported-vc-redist?view=msvc-170>

<https://dotnet.microsoft.com/ko-kr/download/dotnet/thank-you/sdk-6.0.424-windows-x64-installer>

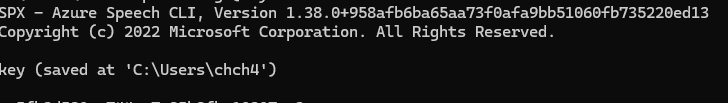
Speech CLI 동작 확인

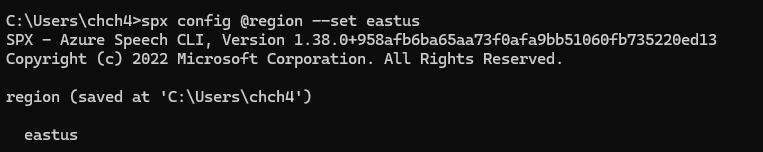


키 값과 위치/지역 값은 azure에서 확인.



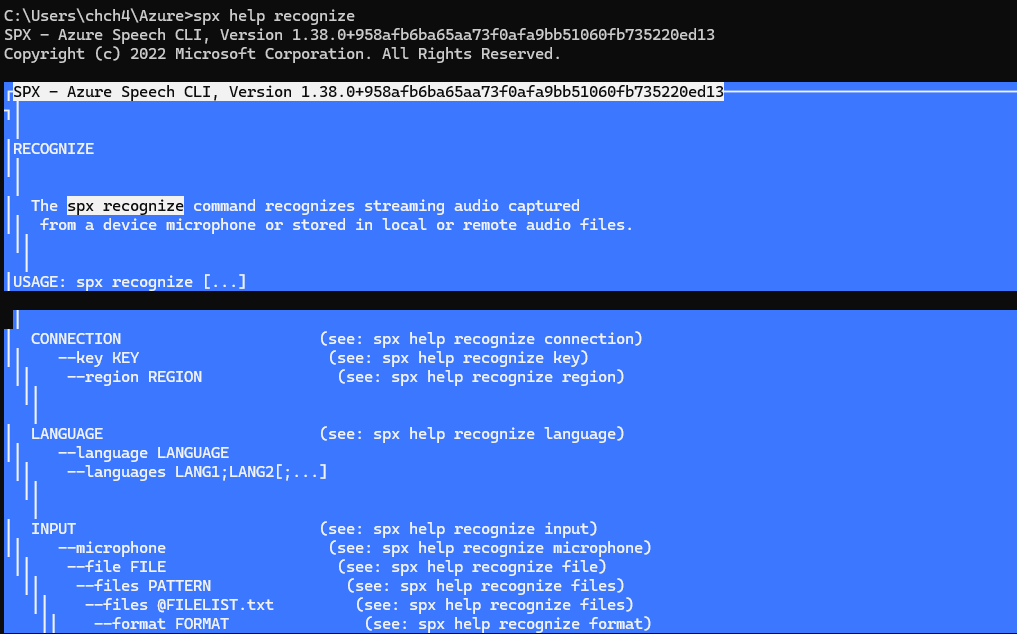




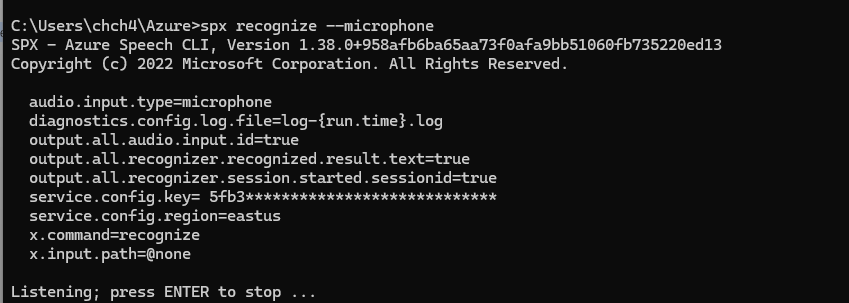




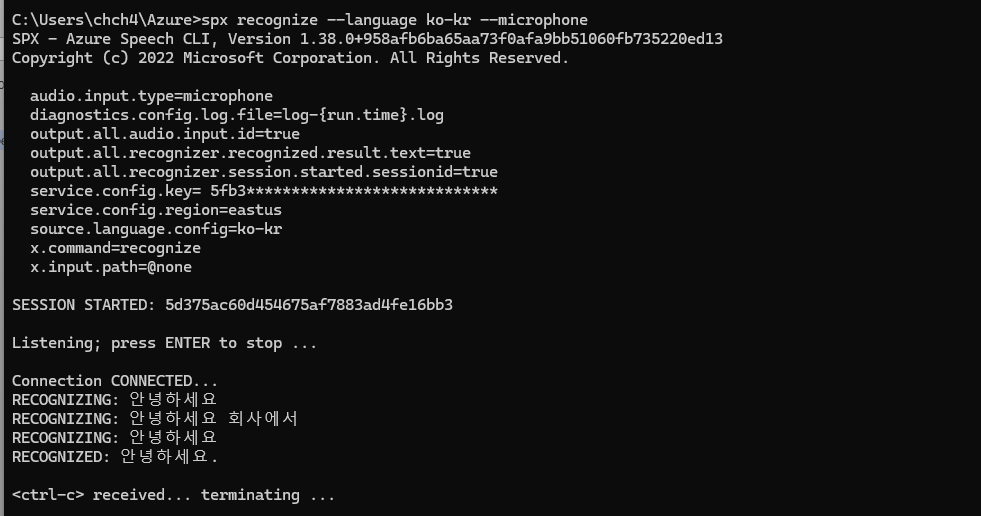
Recognize 사용법에 대한 자세한 설명



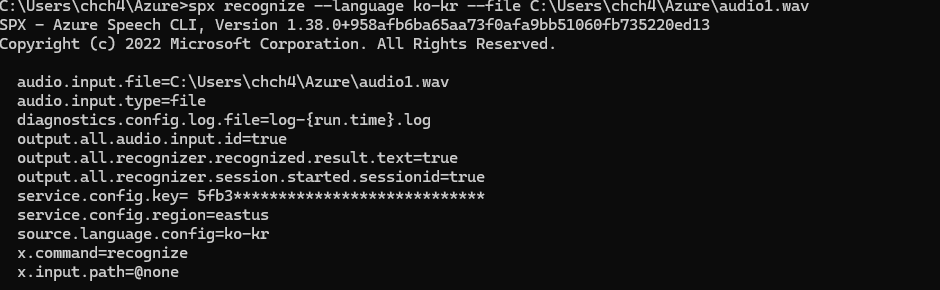
마이크로 입력되는 음성을 텍스트로 변환

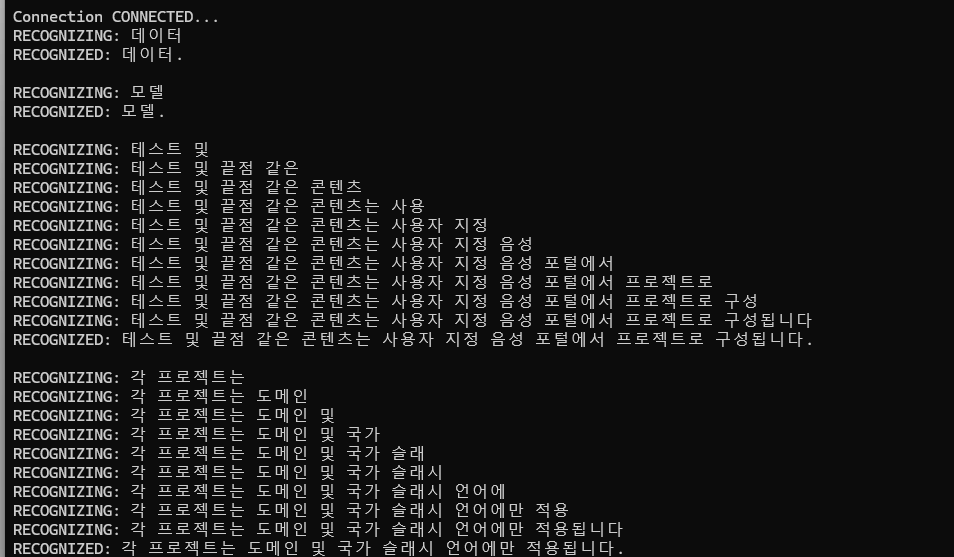


마이크로 입력되는 음성을 텍스트로 변환. 입력 음성을 한글로 지정

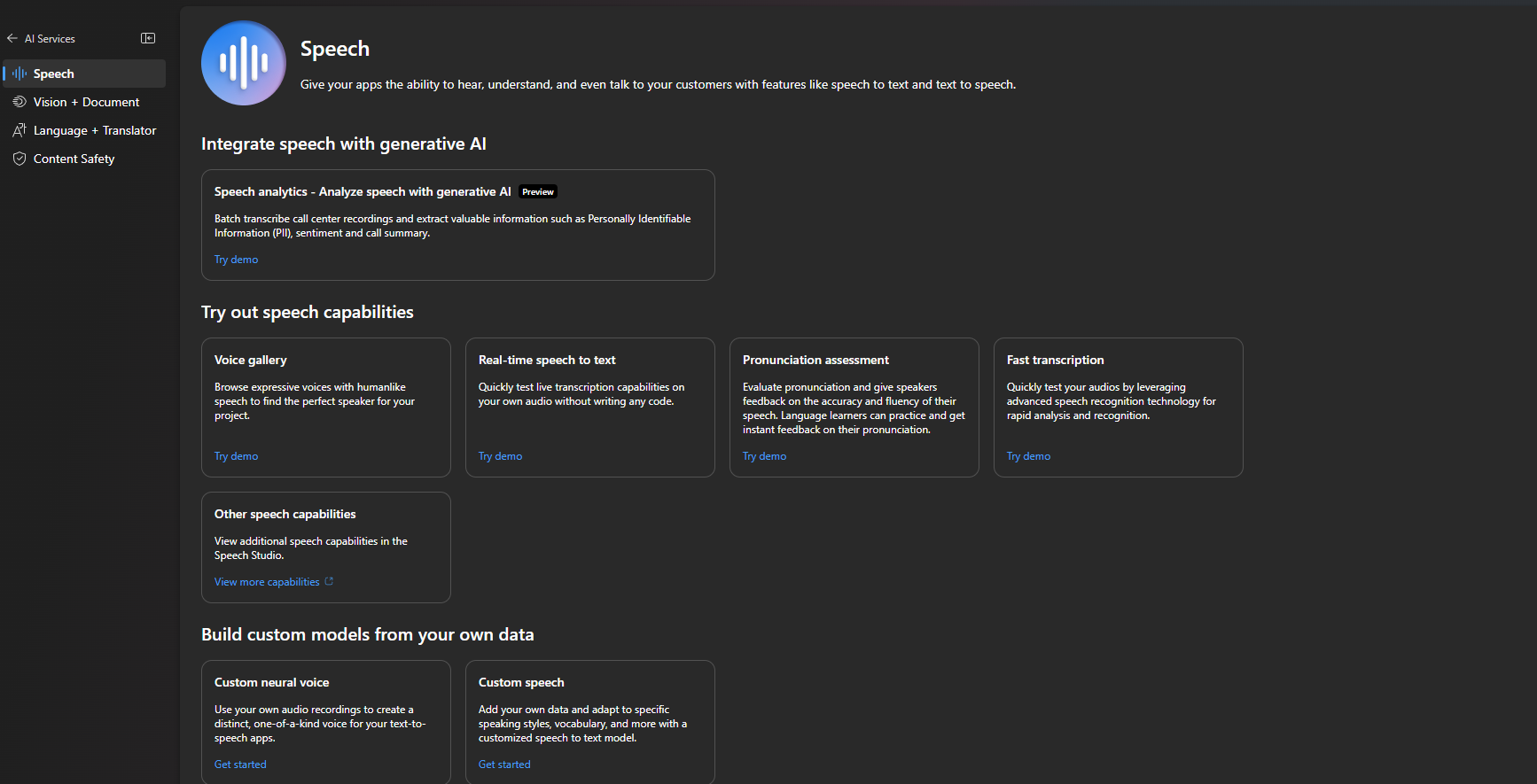


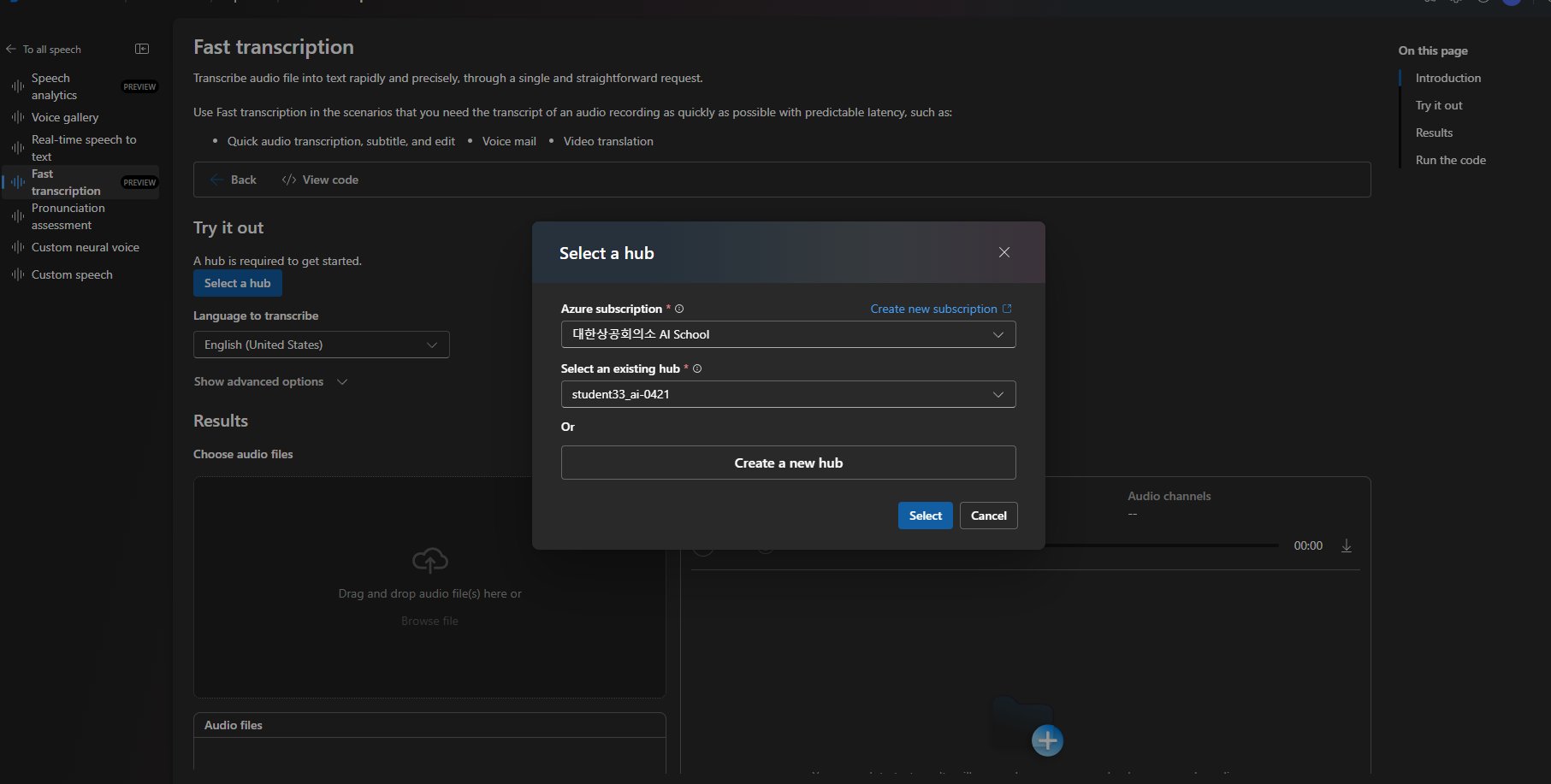
로컬에 저장되어 있는 파일을 텍스트로 변환.

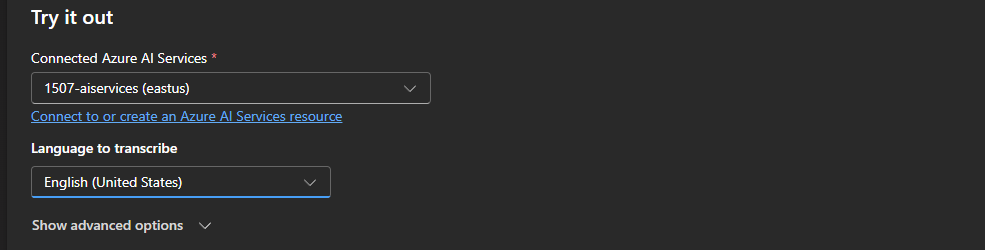


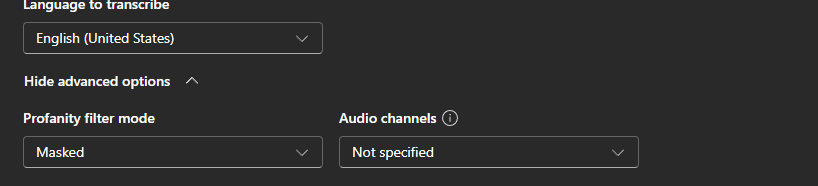


### Fast transcription 클릭



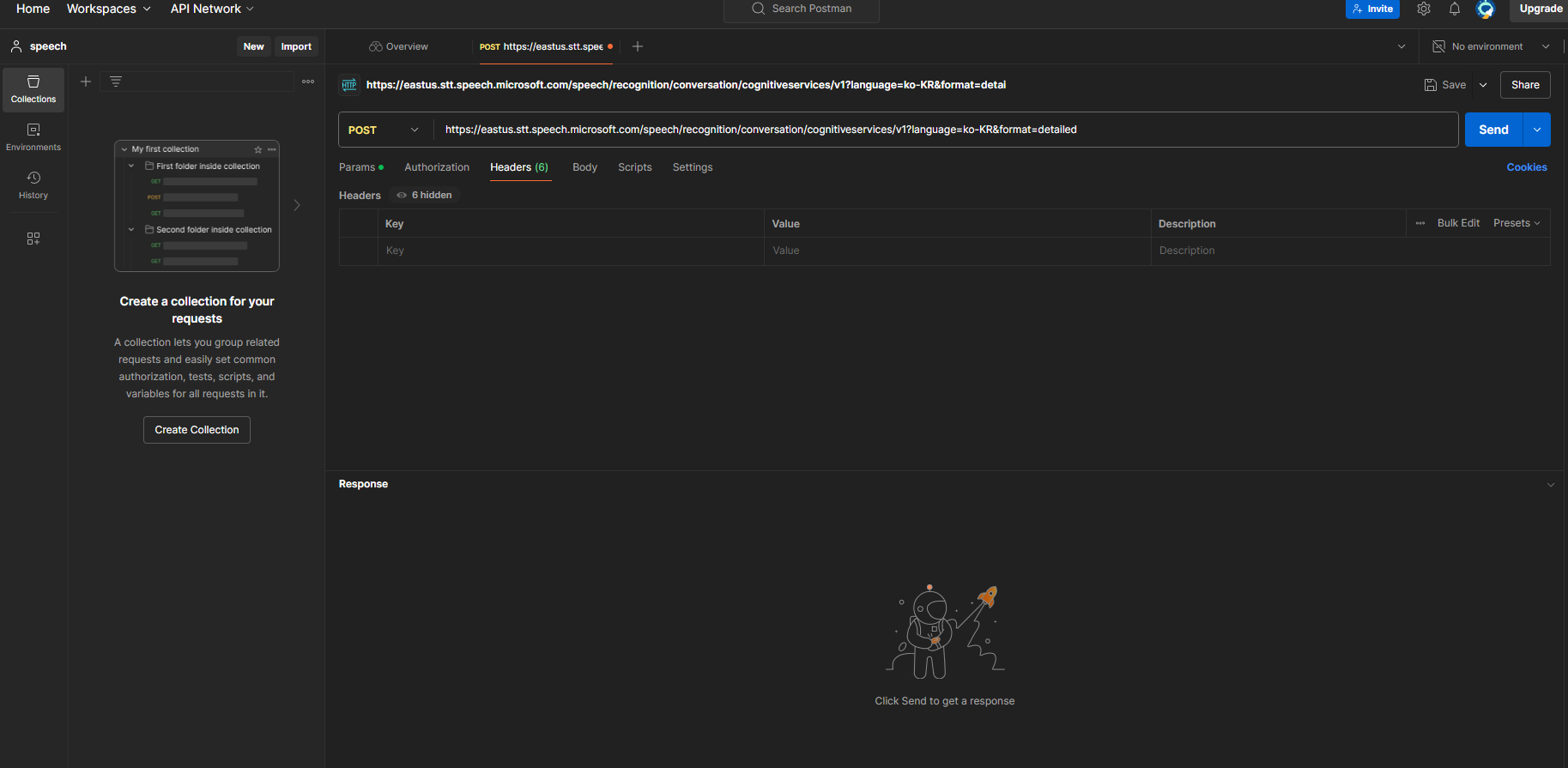




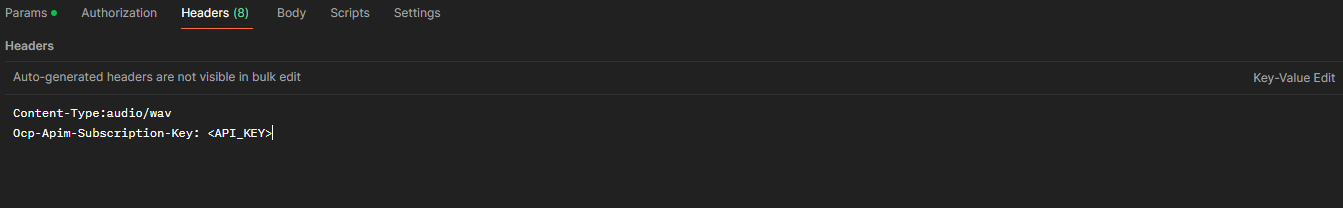


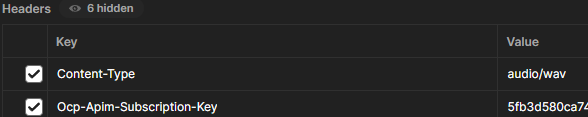


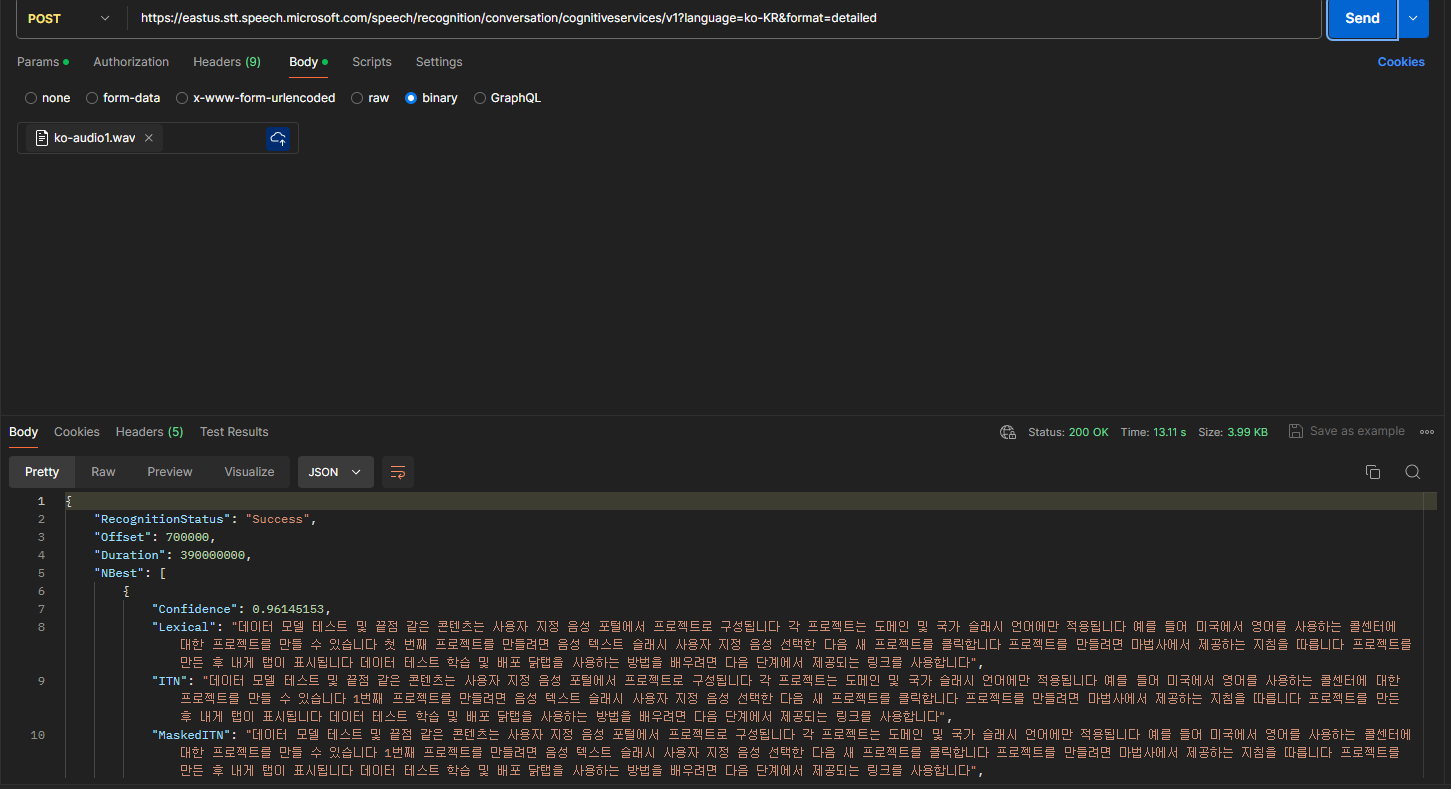
https://<REGION>.stt.speech.microsoft.com/speech/recognition/conversation/cognitiveservices/v1?language=ko-KR&format=detailed -> 나 같은 경우는 region의 값이 eastus기에 수정하여 넣음



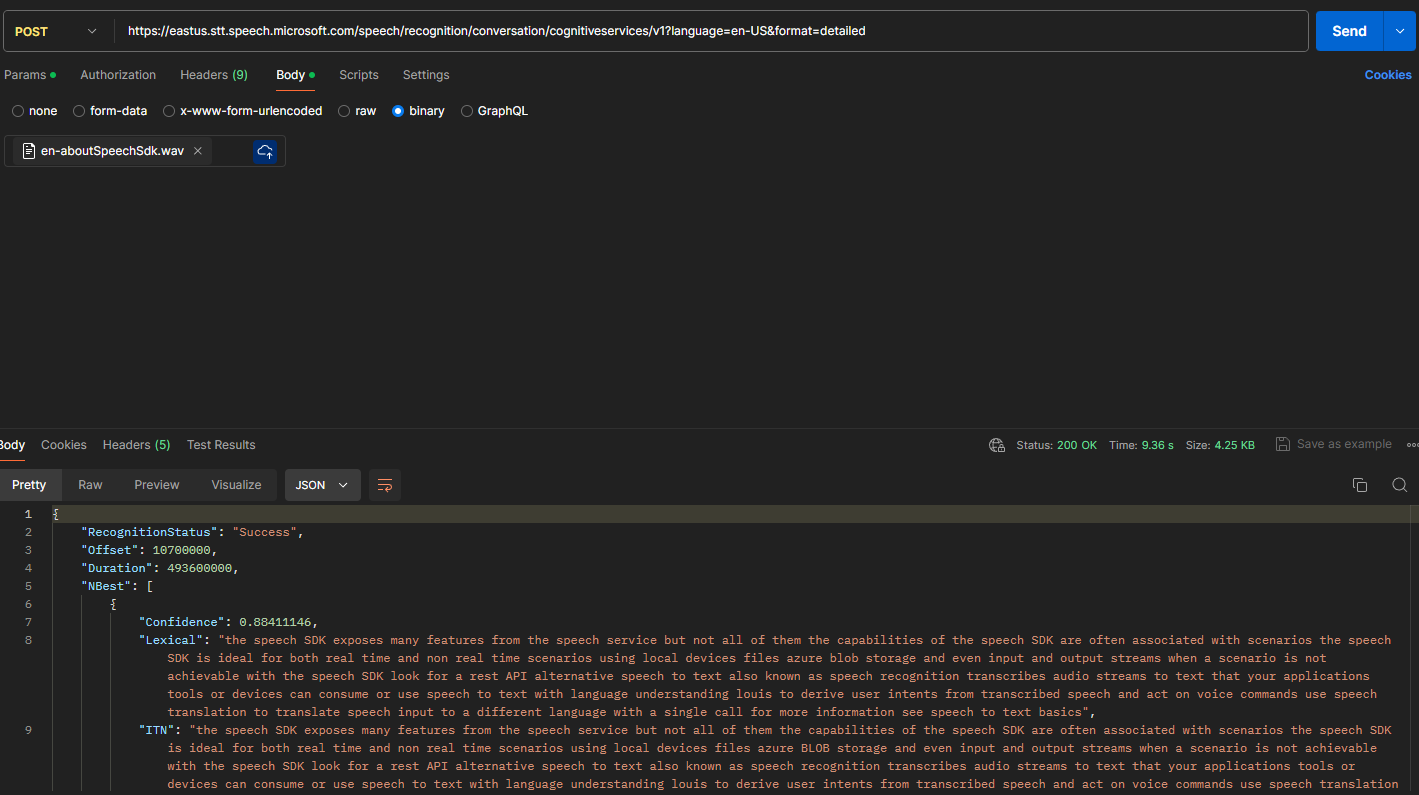
헤더의 정보를 넣어준다.



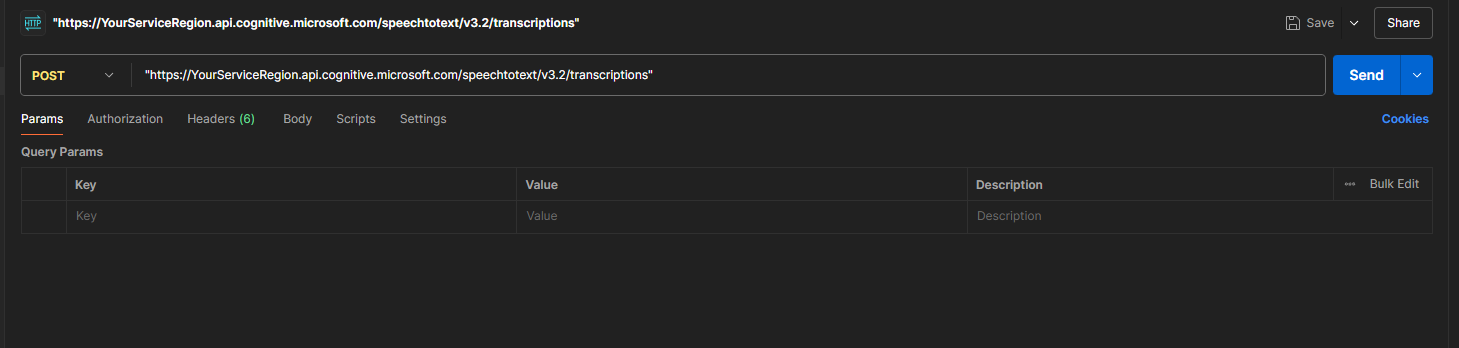




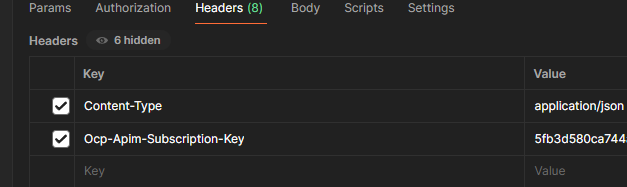
만약 영어로 변경하고 싶다면 post에 기입이 되어있는 ko-KR를 en-US로 변경해준다.

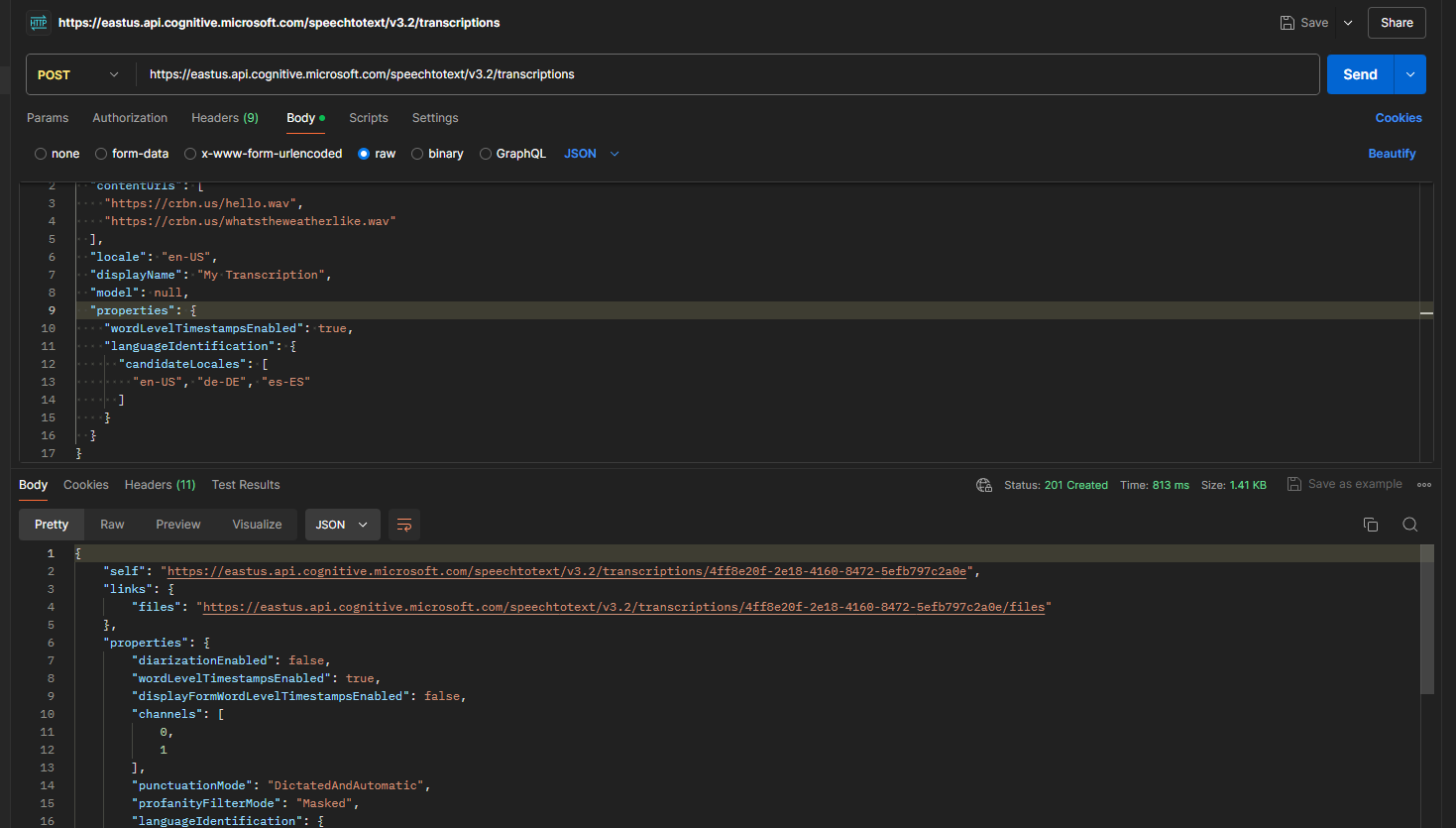


YourServiceRegion에는 자신이 설정한 지역을 넣는다.



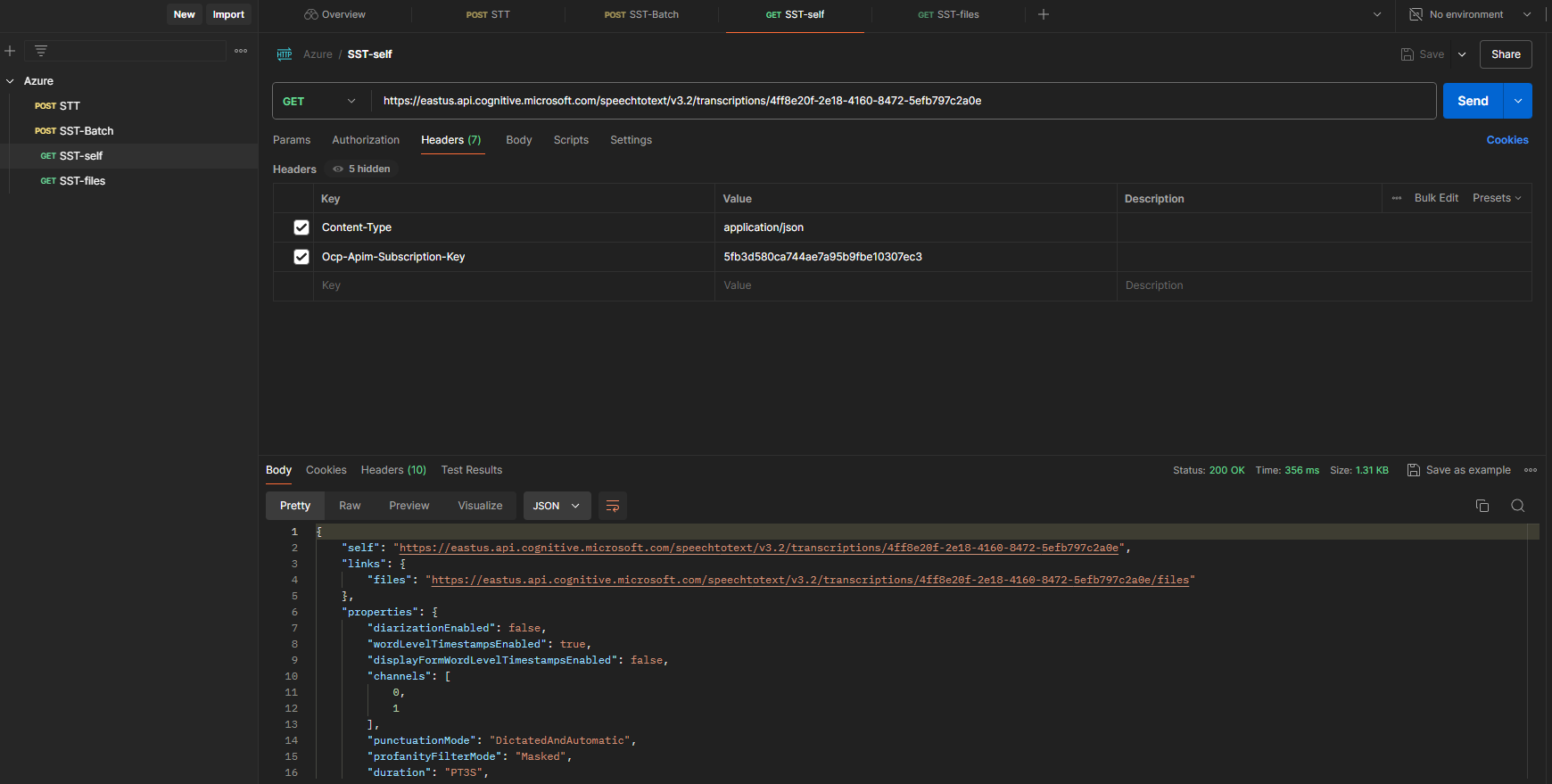






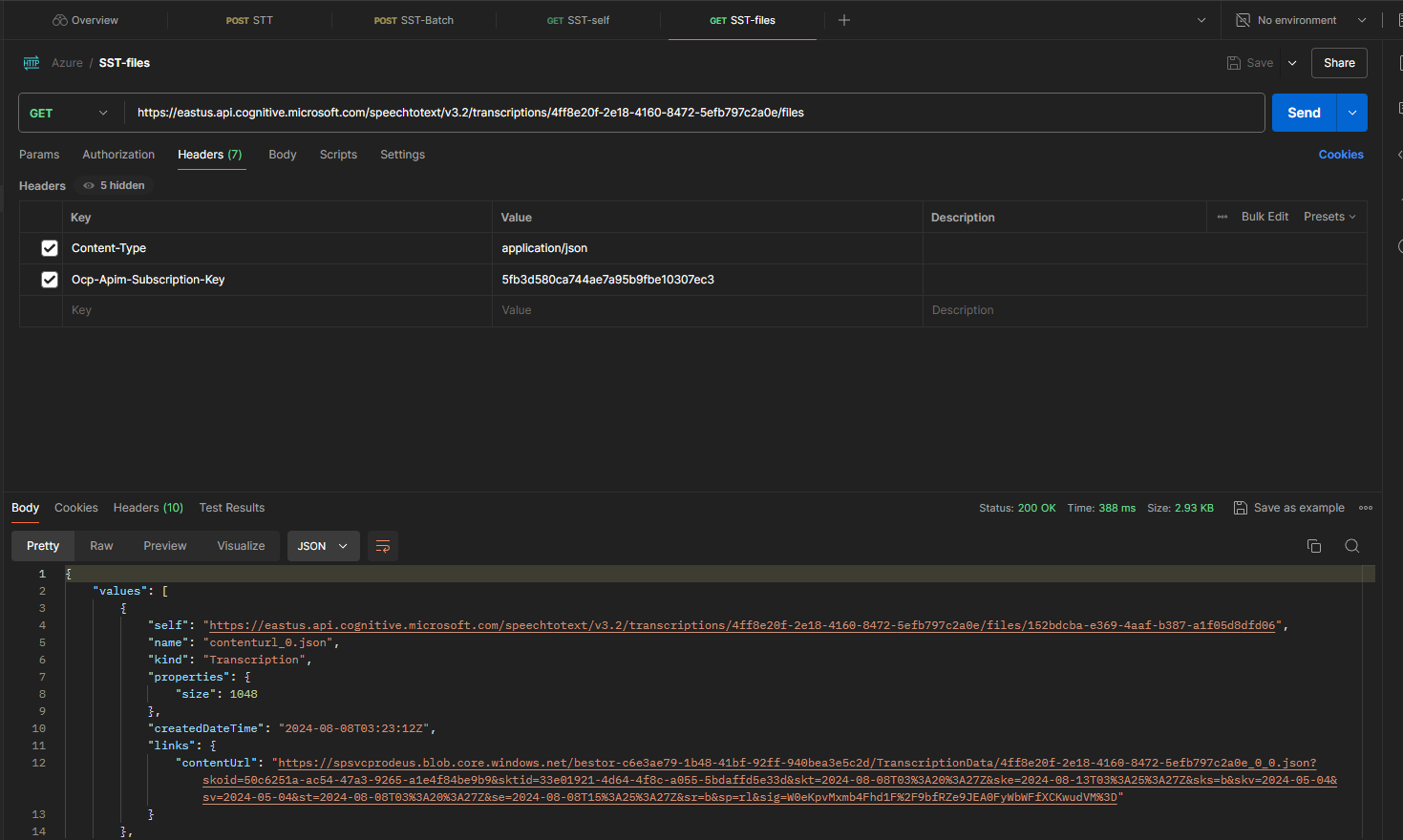


self에 나온 url을 복사하여 get 형식으로 하나 생성 후 headers에 key값 넣어주기

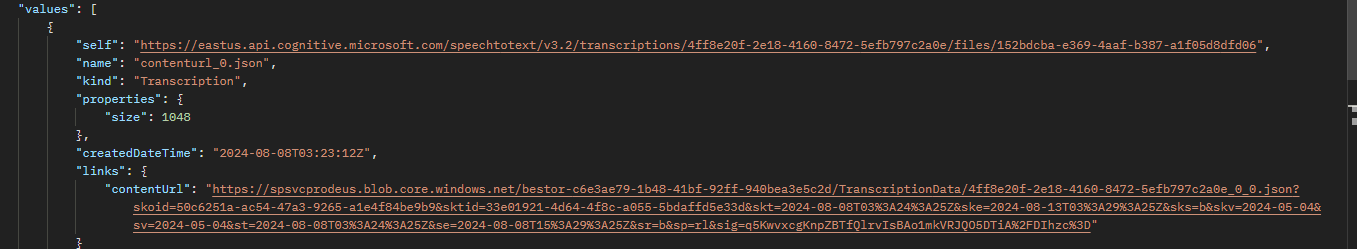


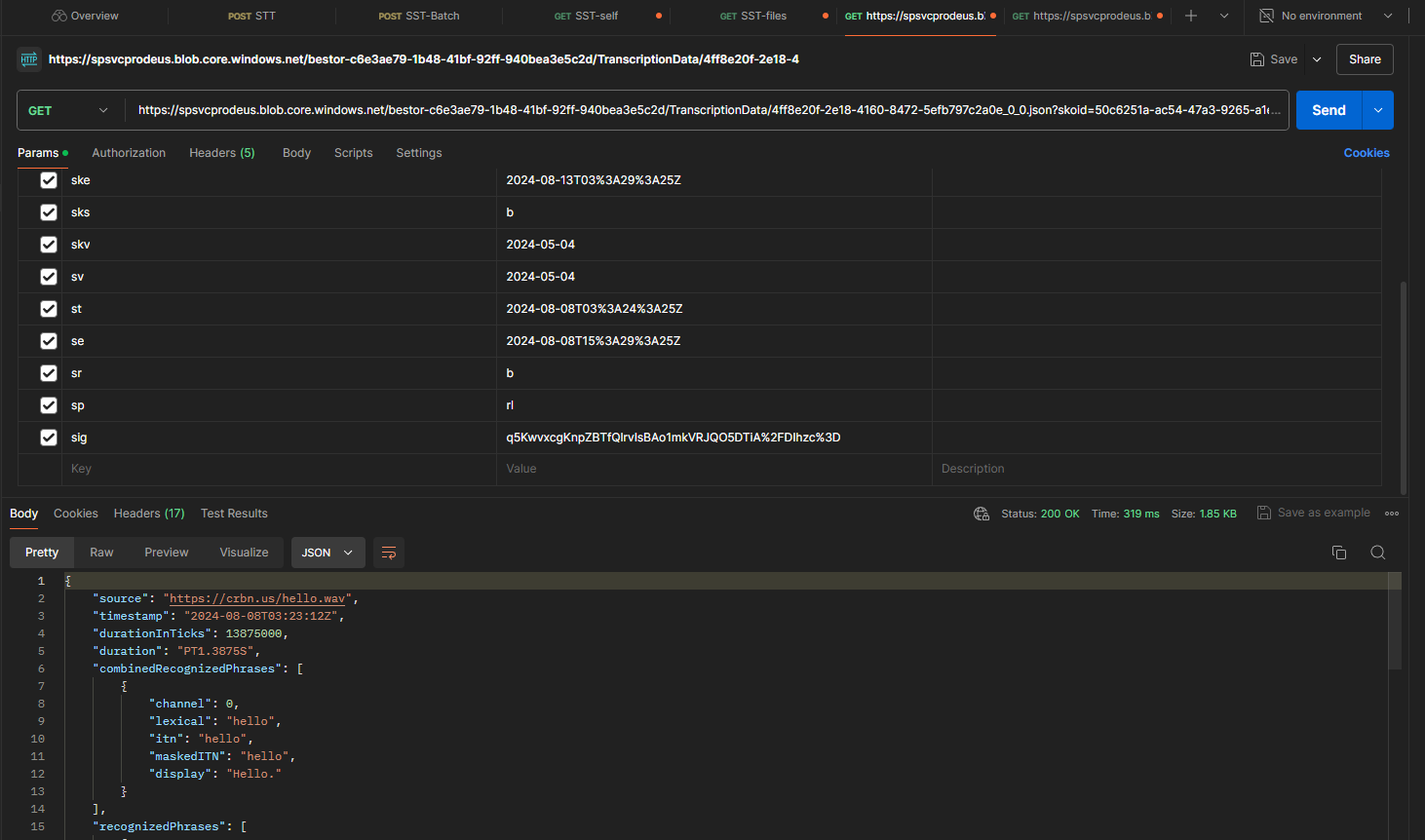


files에 나온 url을 복사하여 get 형식으로 하나 생성 후 headers에 key값 넣어주기

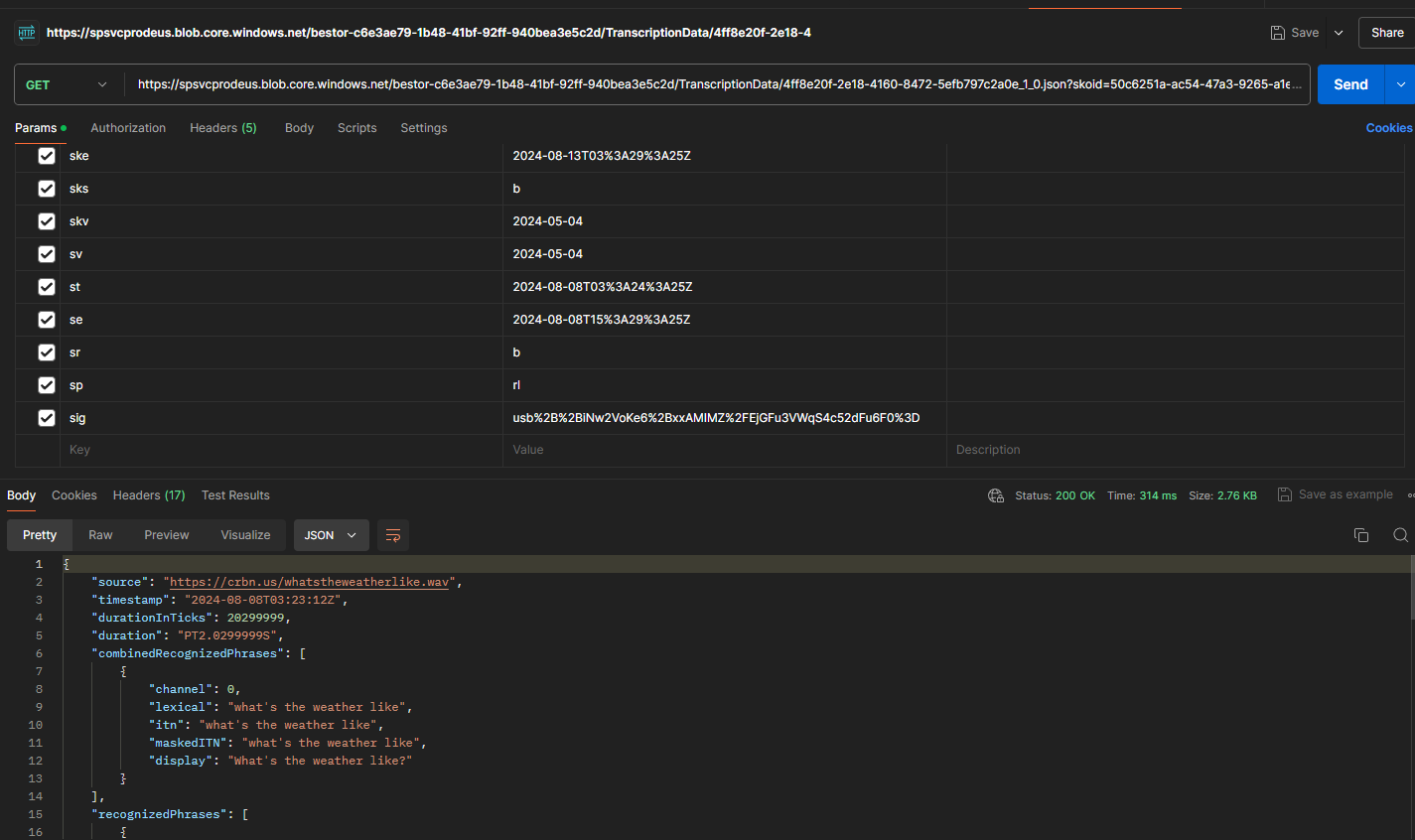


file의 결과값 중 contenturl\_0 의 결과값을 확인



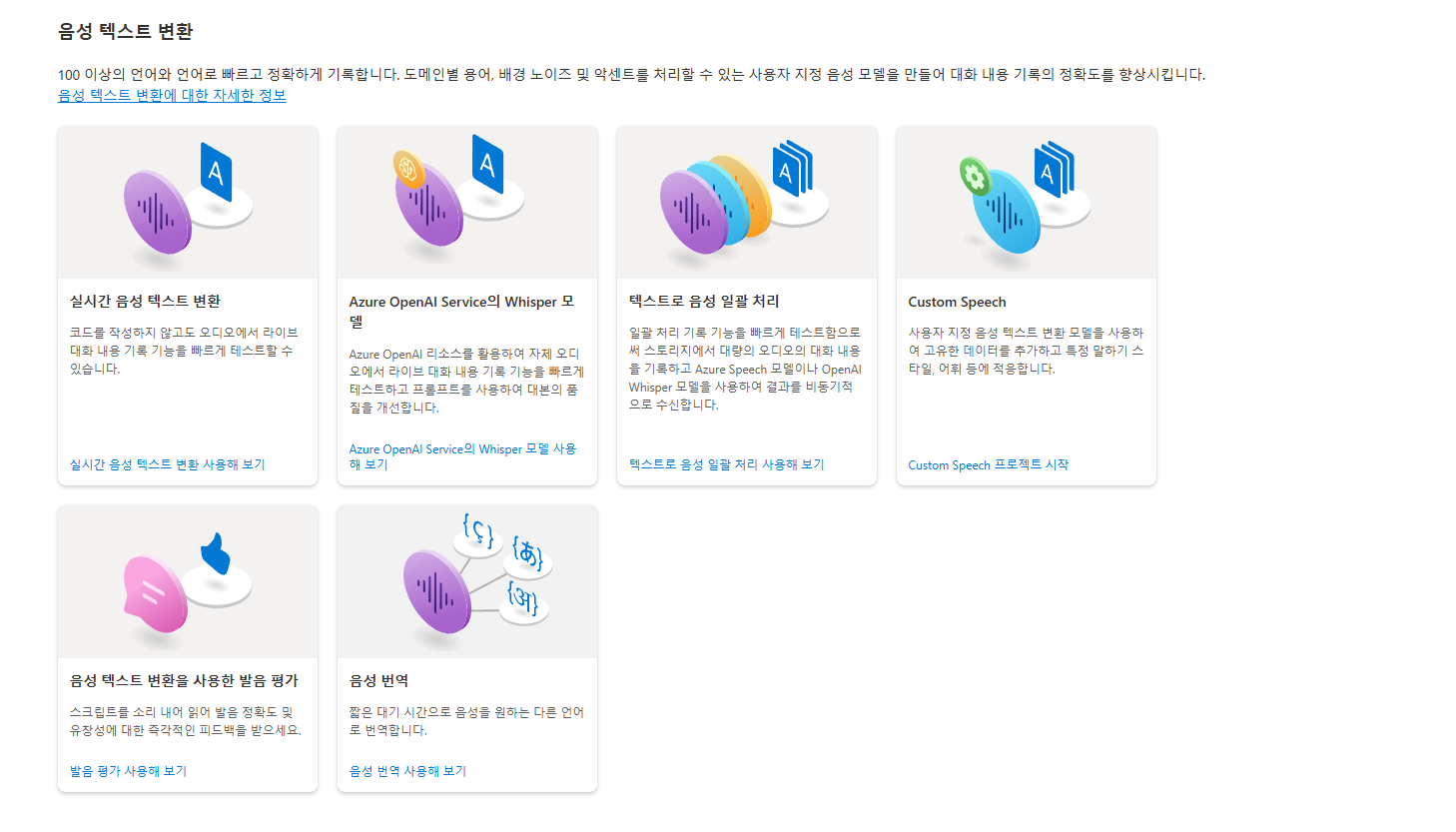


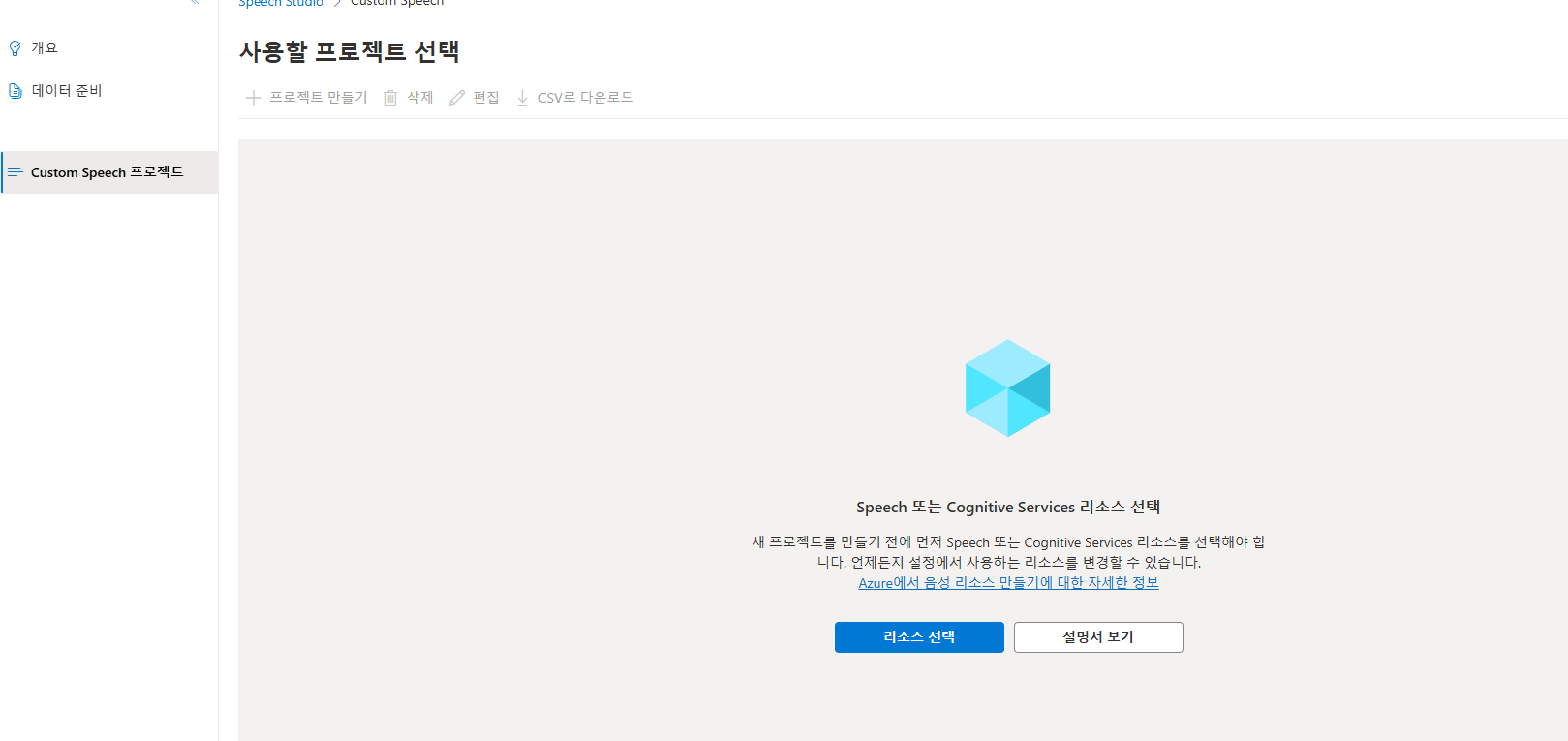
contenturl\_1의 결과값 확인

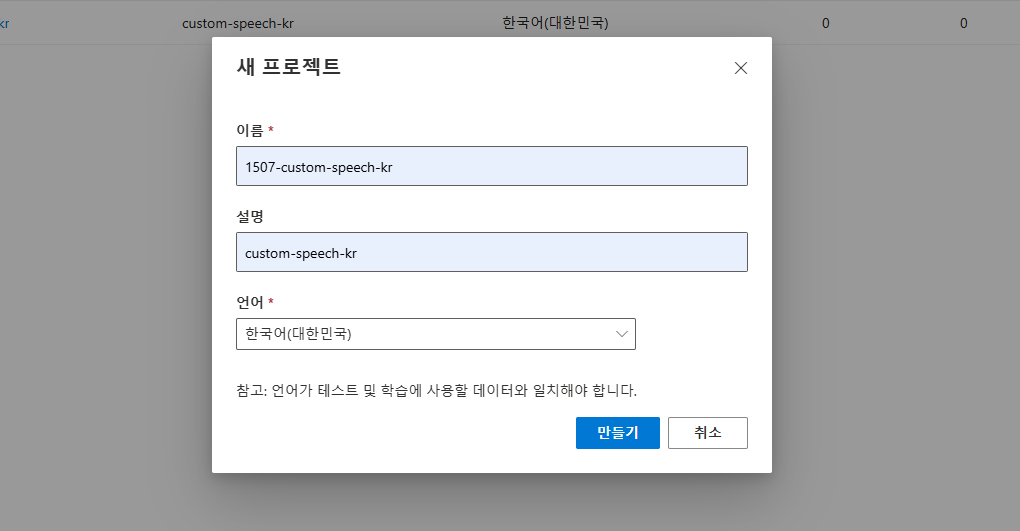


# <오후>

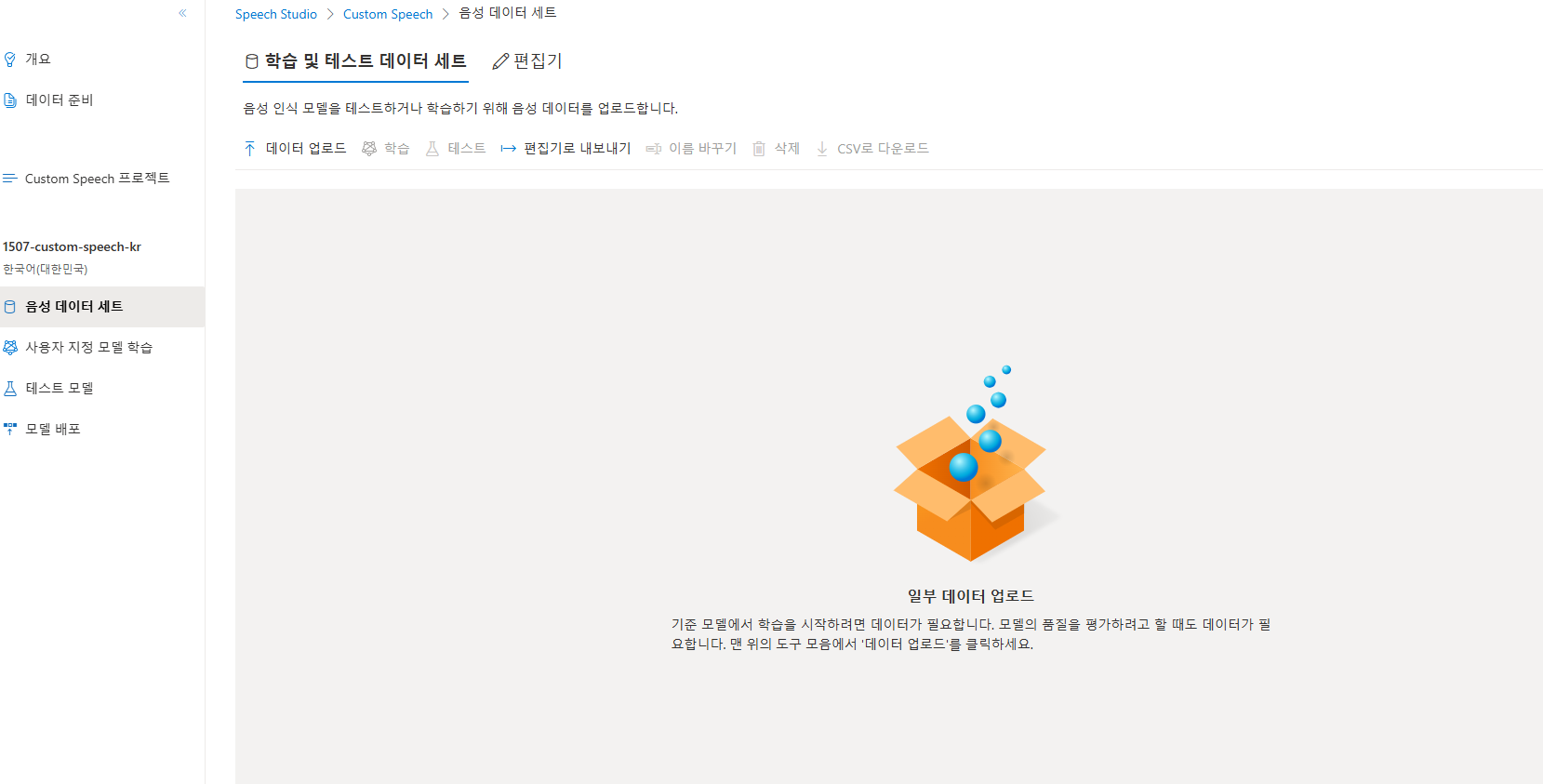
### Custom Speech 클릭

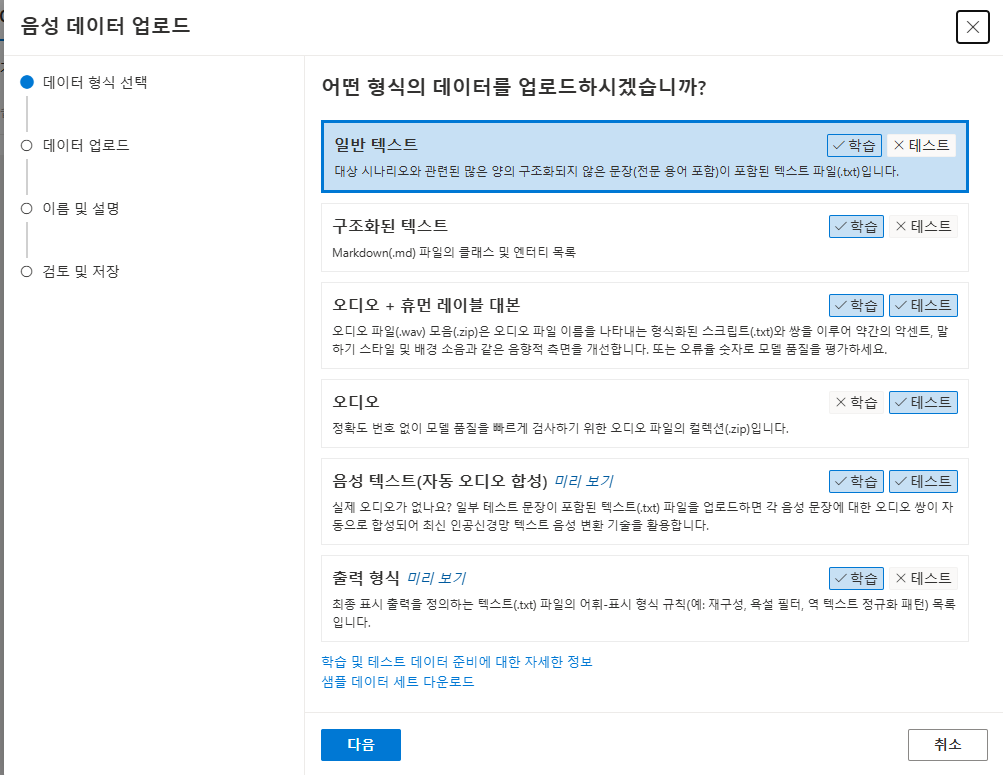


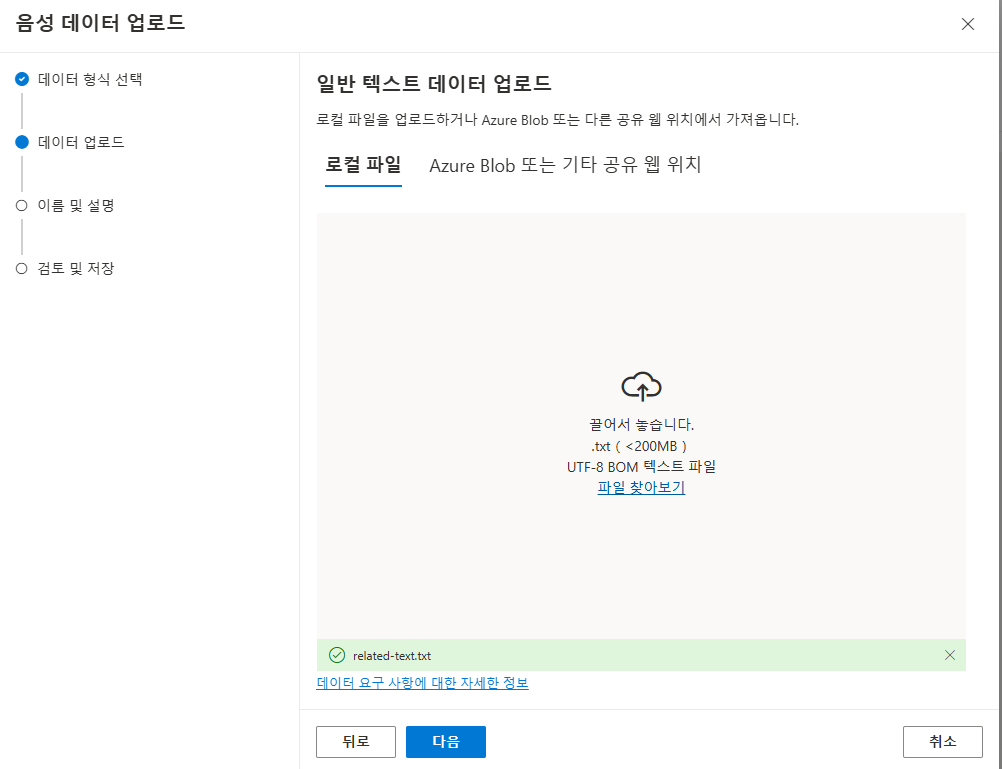




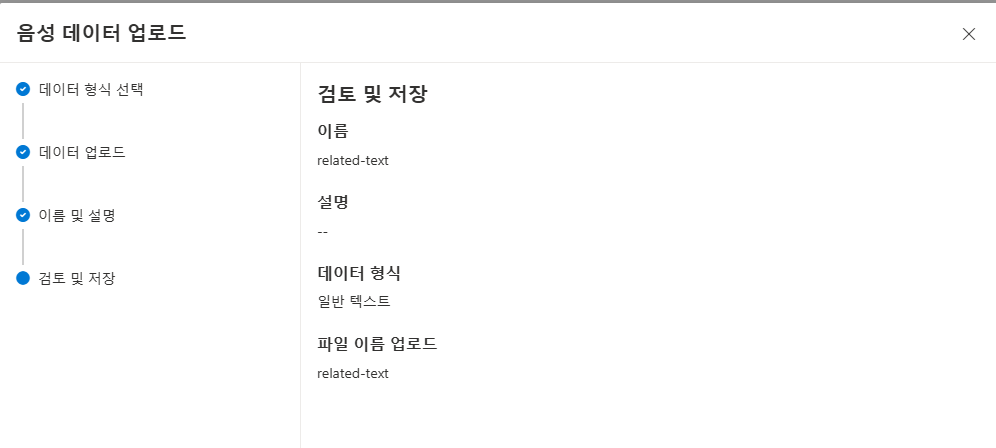


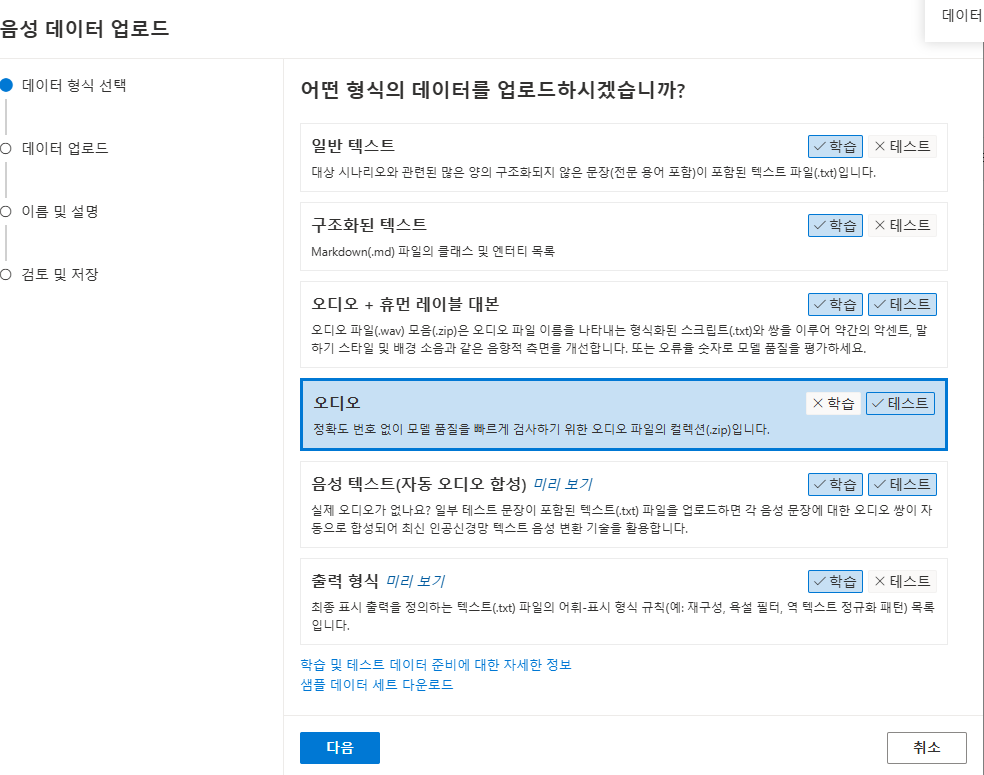


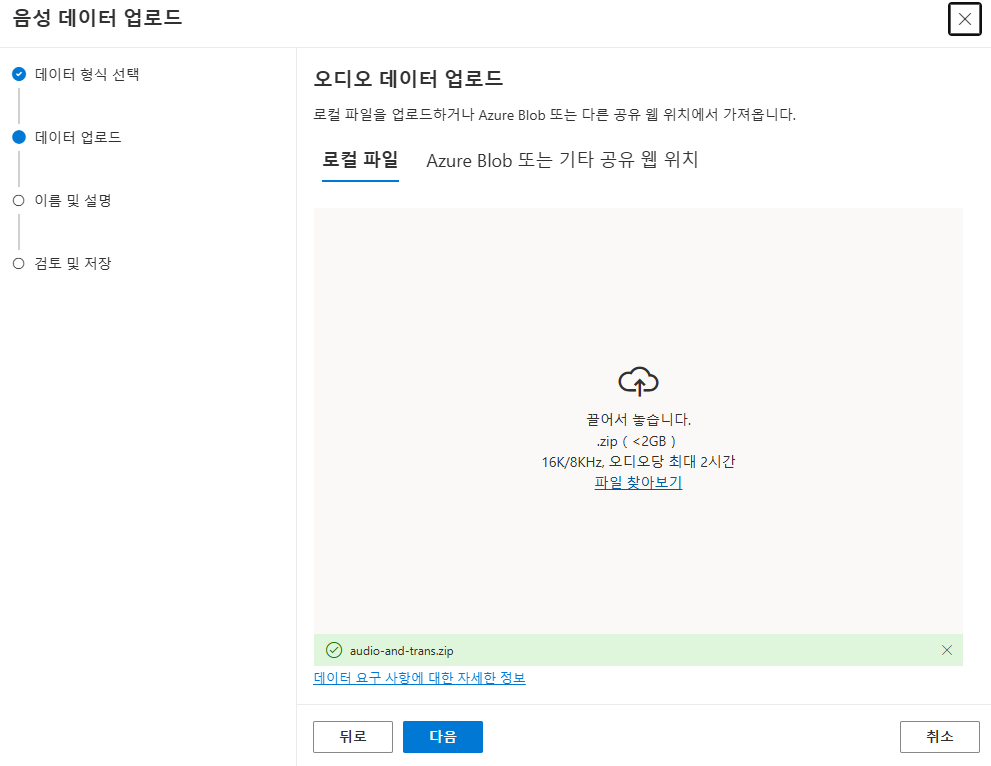




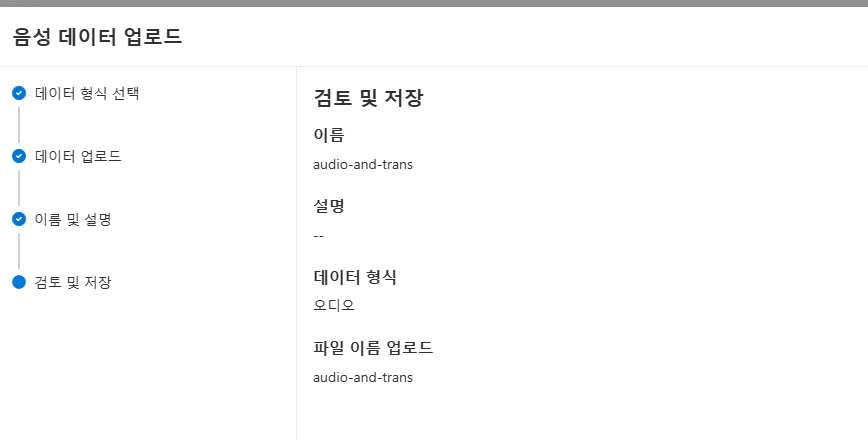










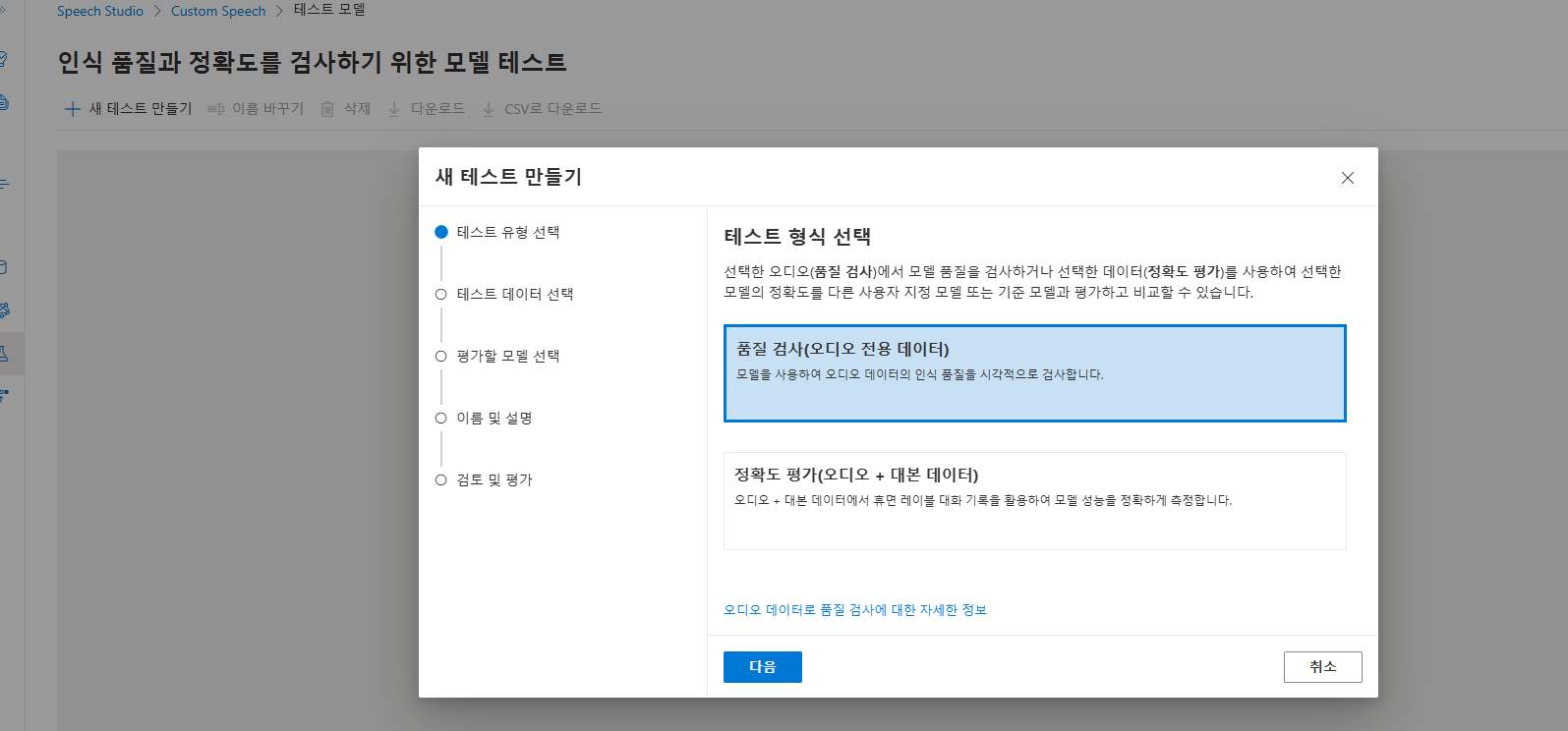


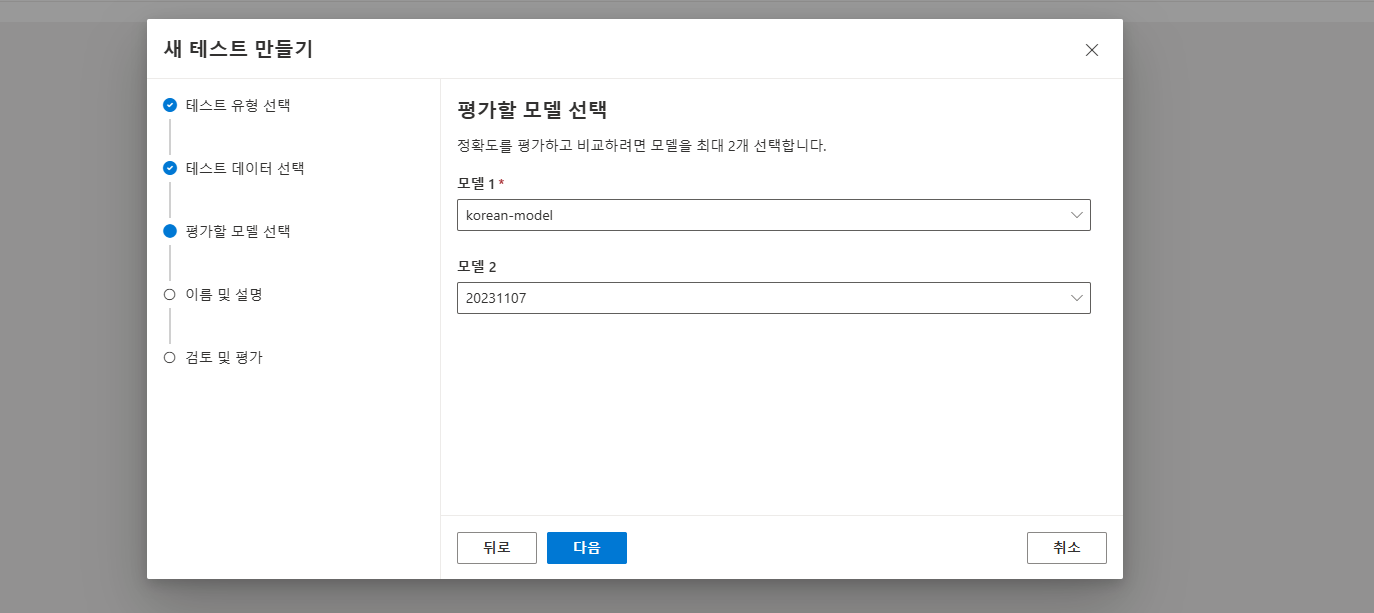




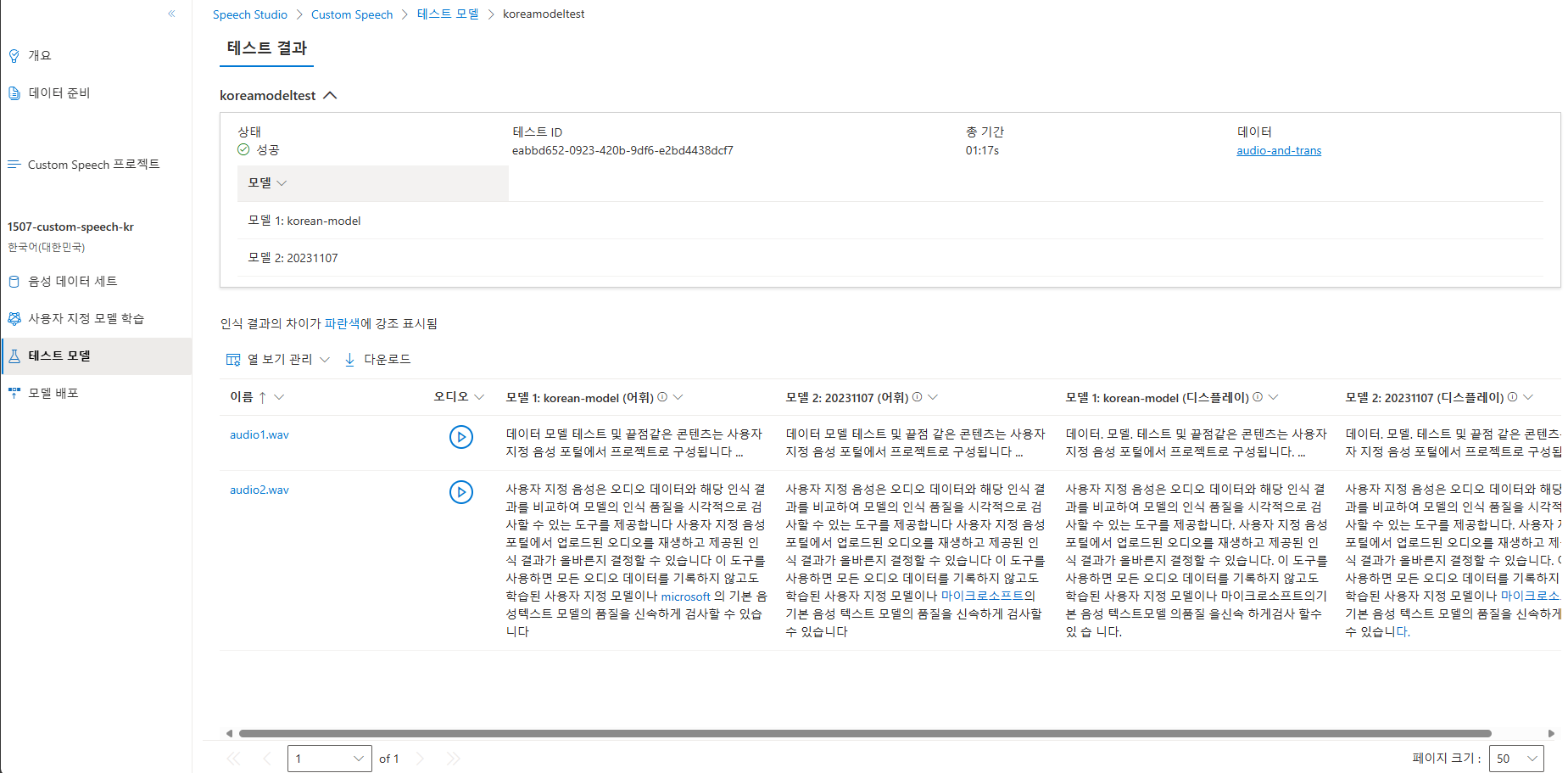




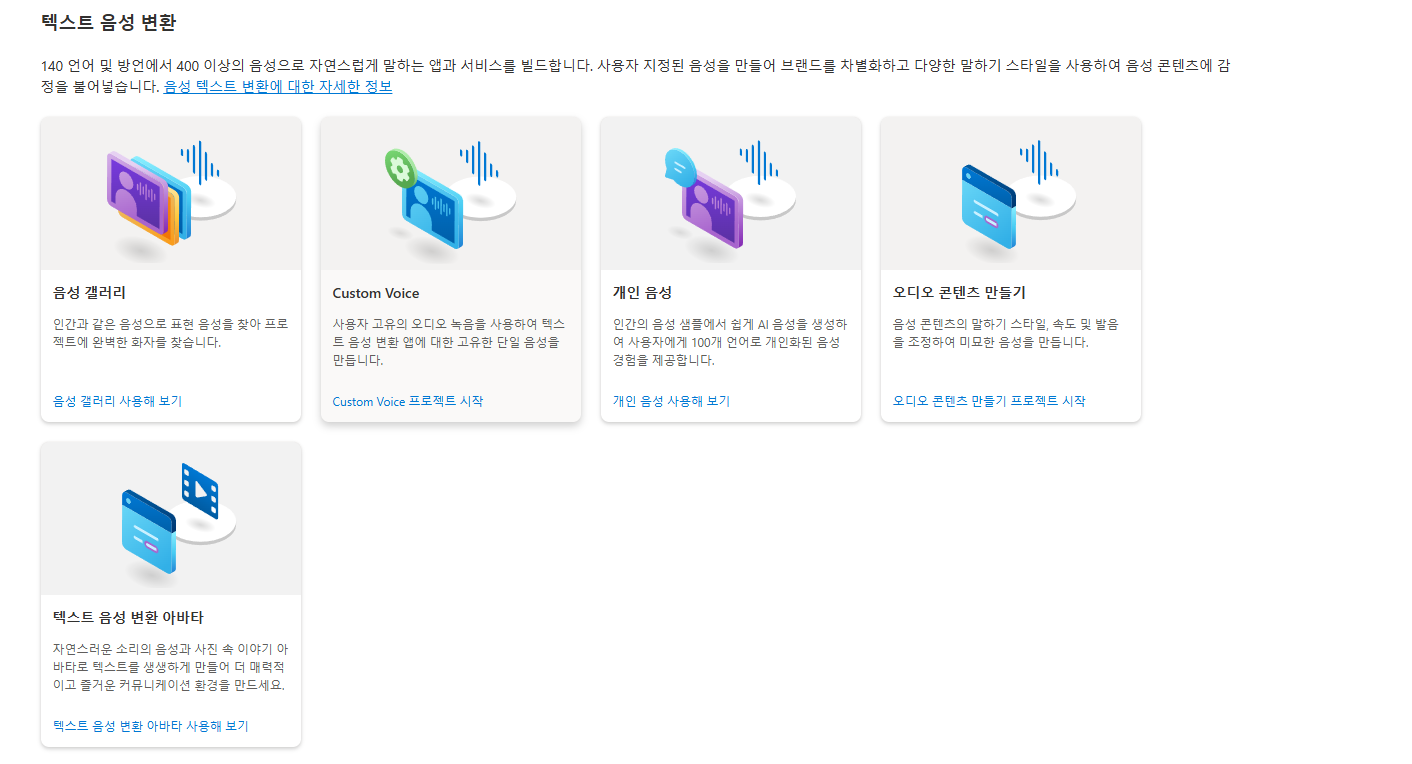




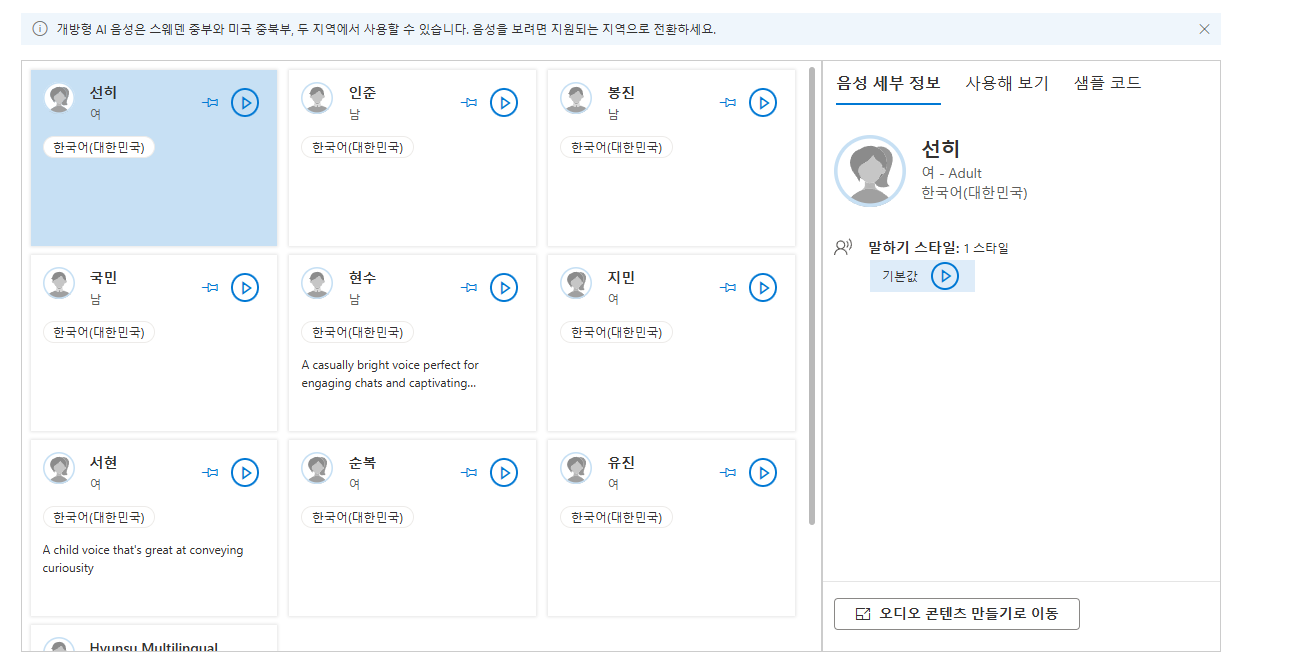




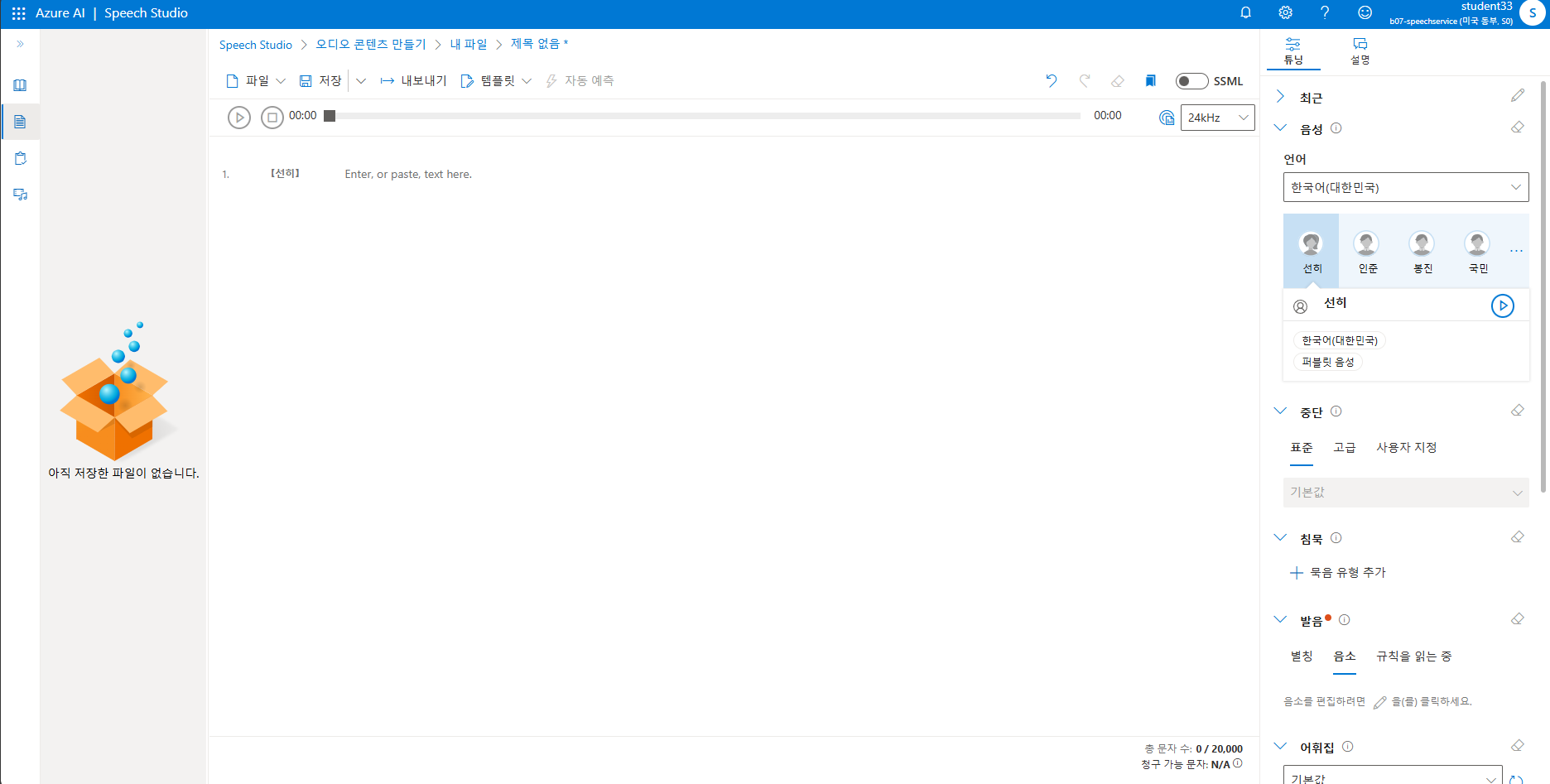
### 음성 갤러리 클릭

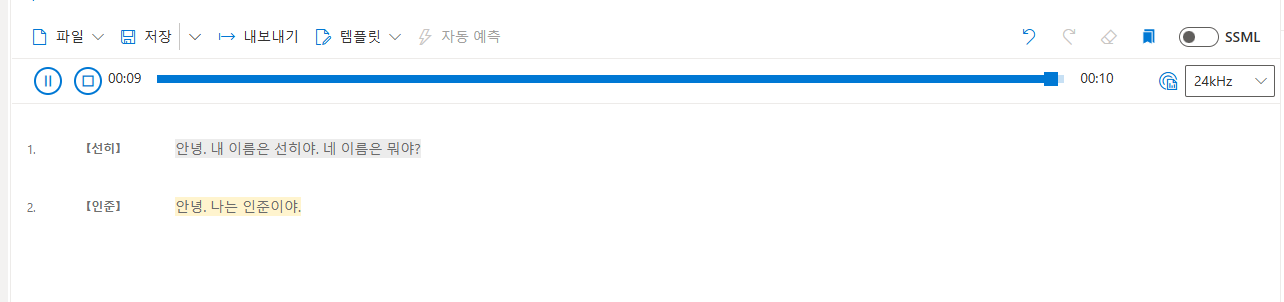






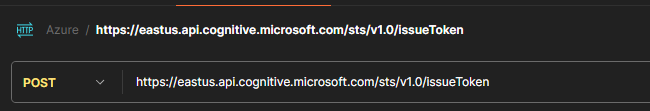
오디오 콘텐츠를 생성할 수 있다.



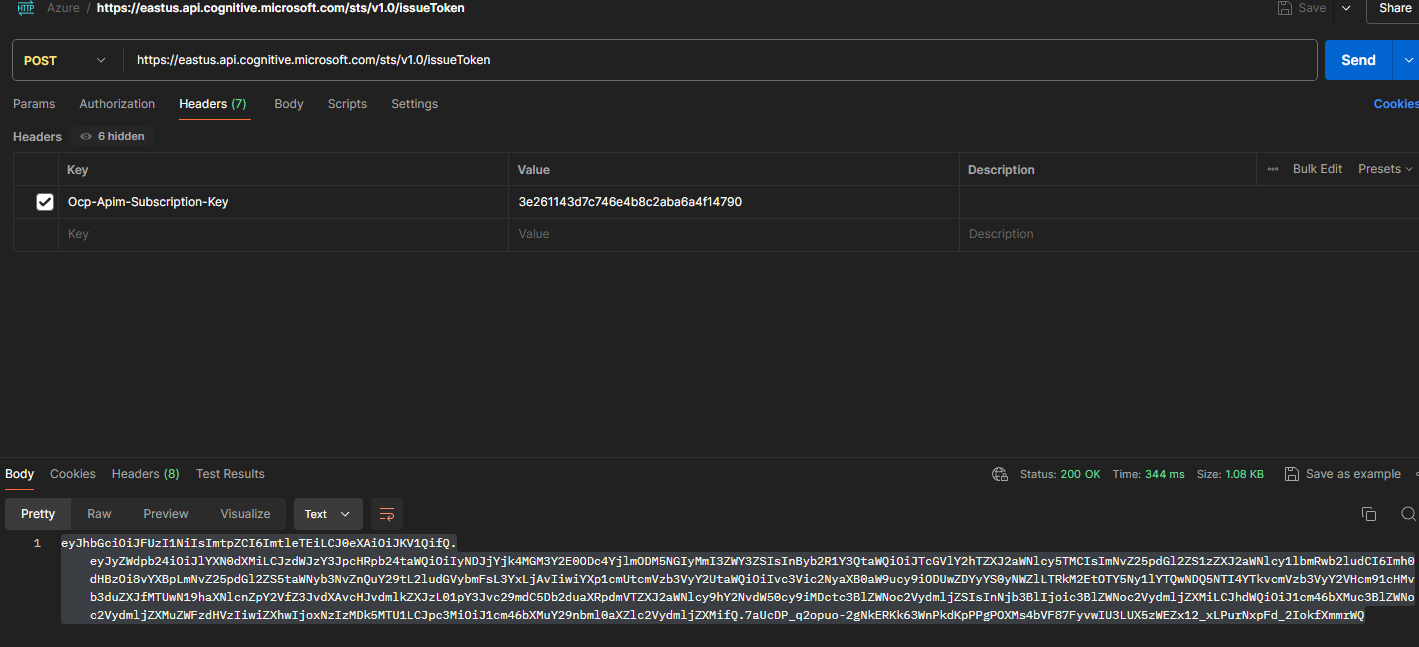


<https://learn.microsoft.com/ko-kr/azure/ai-services/speech-service/rest-text-to-speech?tabs=streaming> 참고하여 postman으로 실행

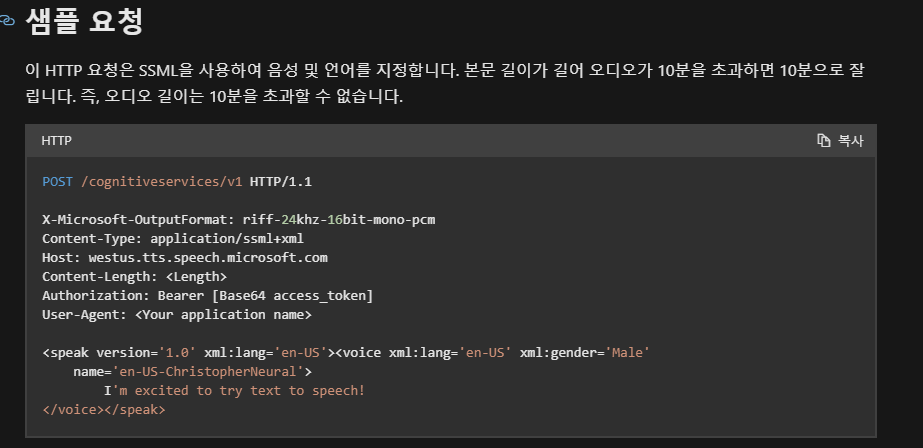
https://<REGION\_IDENTIFIER>.api.cognitive.microsoft.com/sts/v1.0/issueToken 중 <> 부분을 자신이 설정한 것에 맞게 수정하여 삽입



Headers에 key(Subscription-Key)와 value를 삽입 후 send하여 출력 값(token) 확보

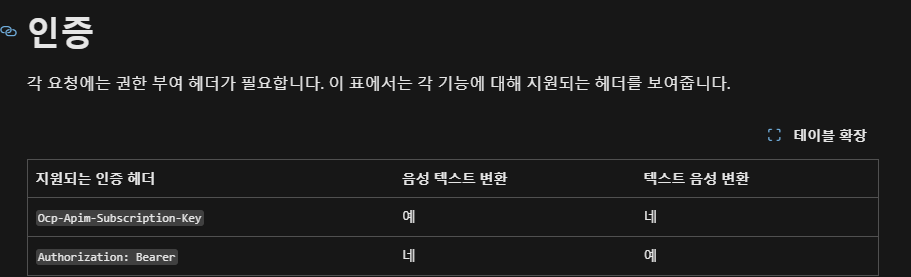


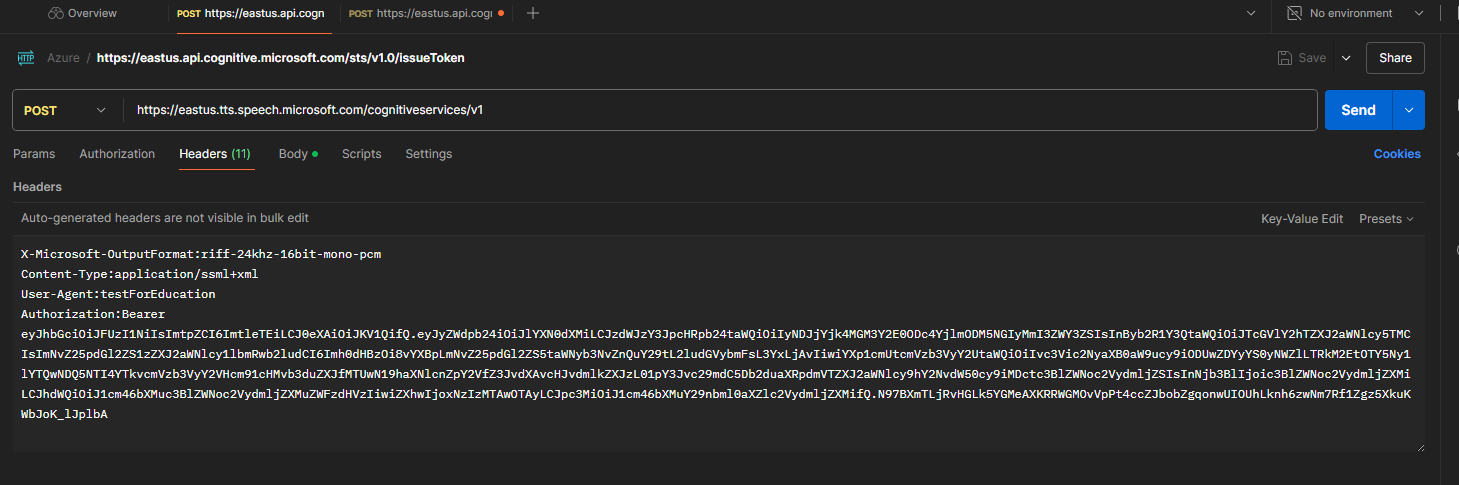


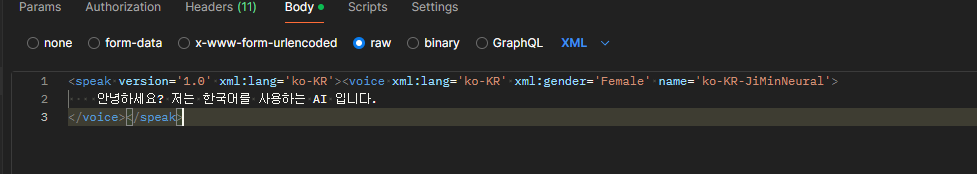


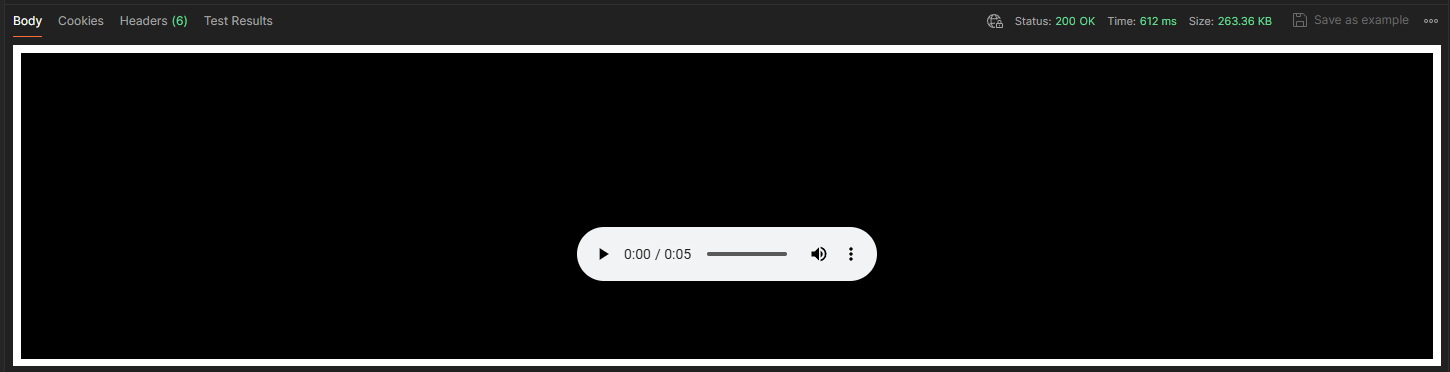
User-agent = 사용자가 원하는 이름 값

Authorization = 위에서 조회하여 복사한 값



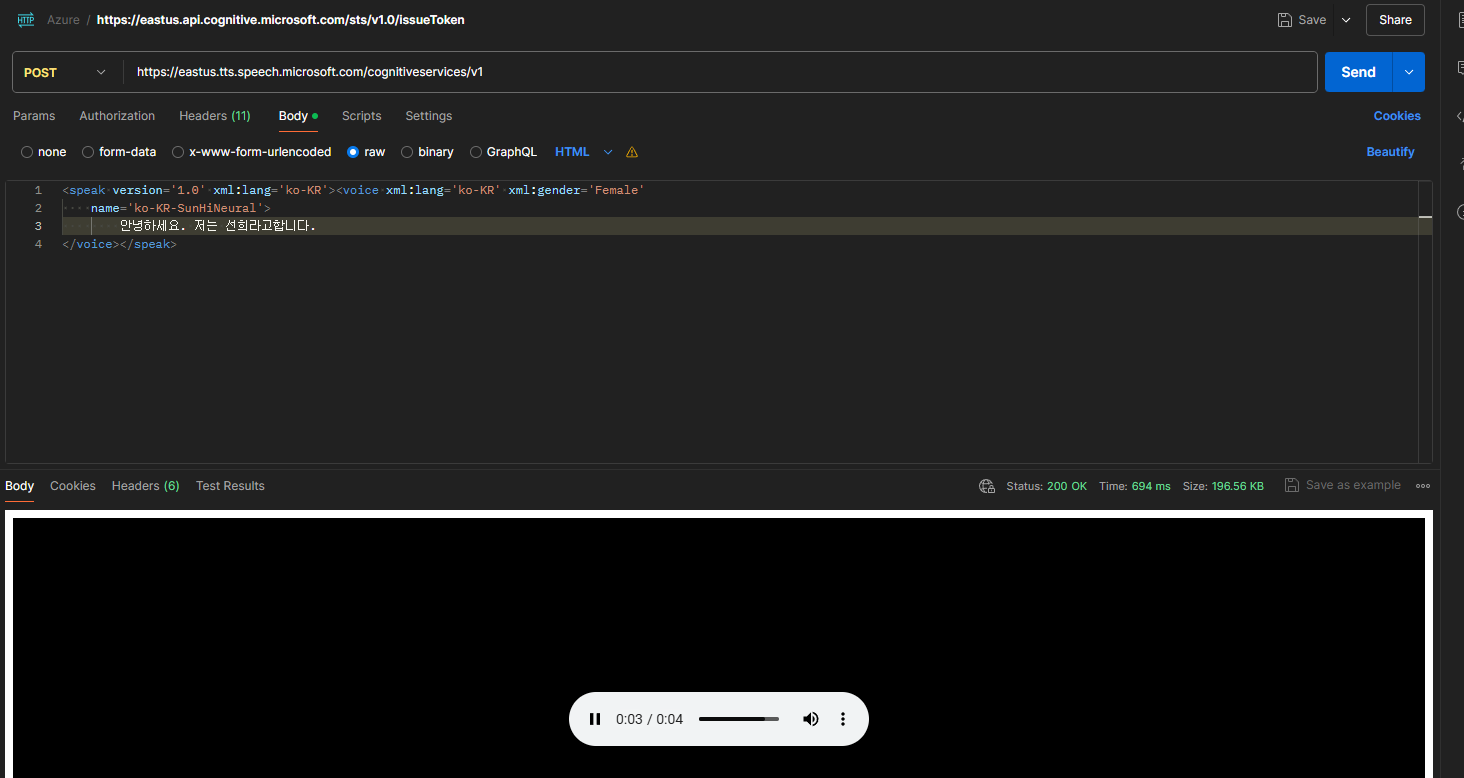




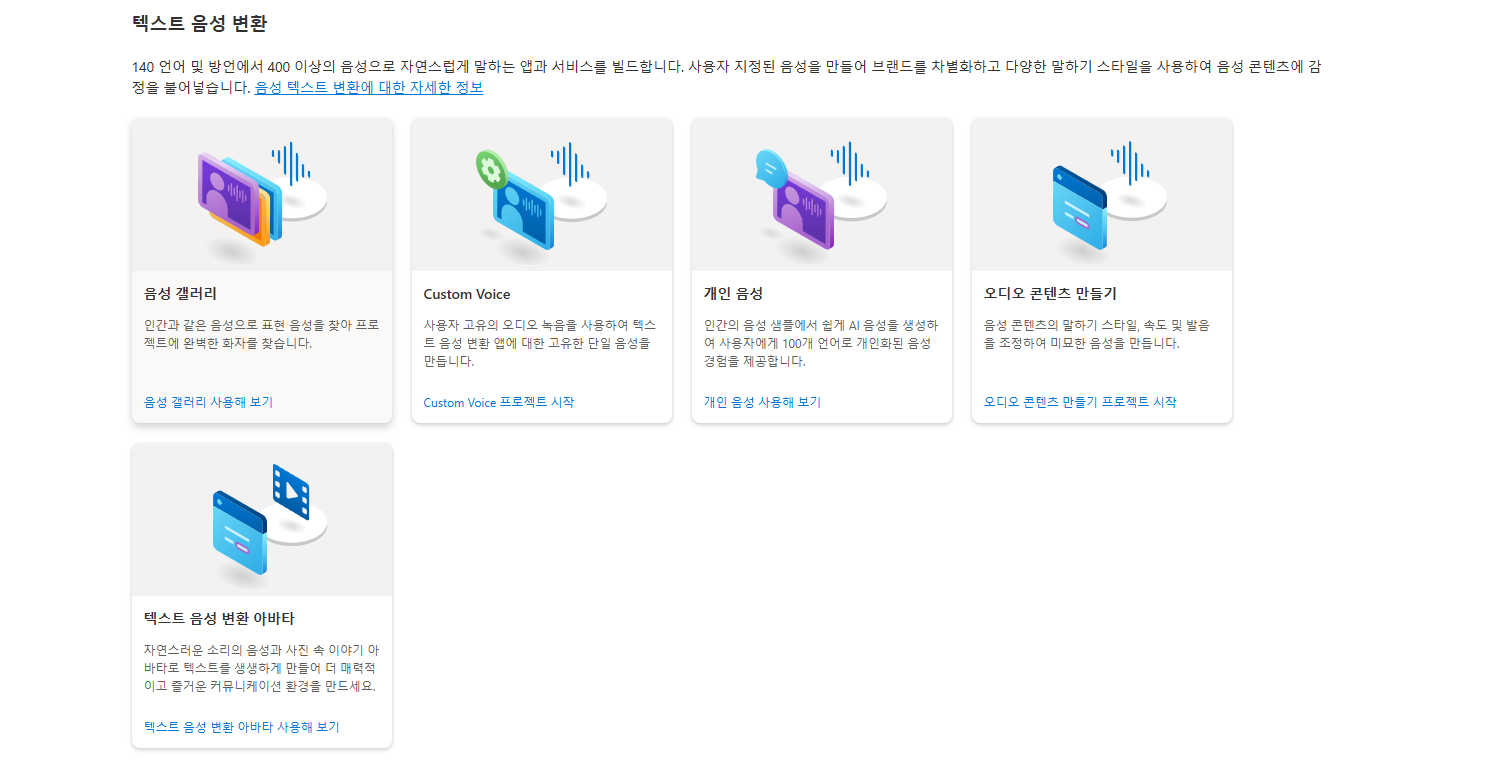


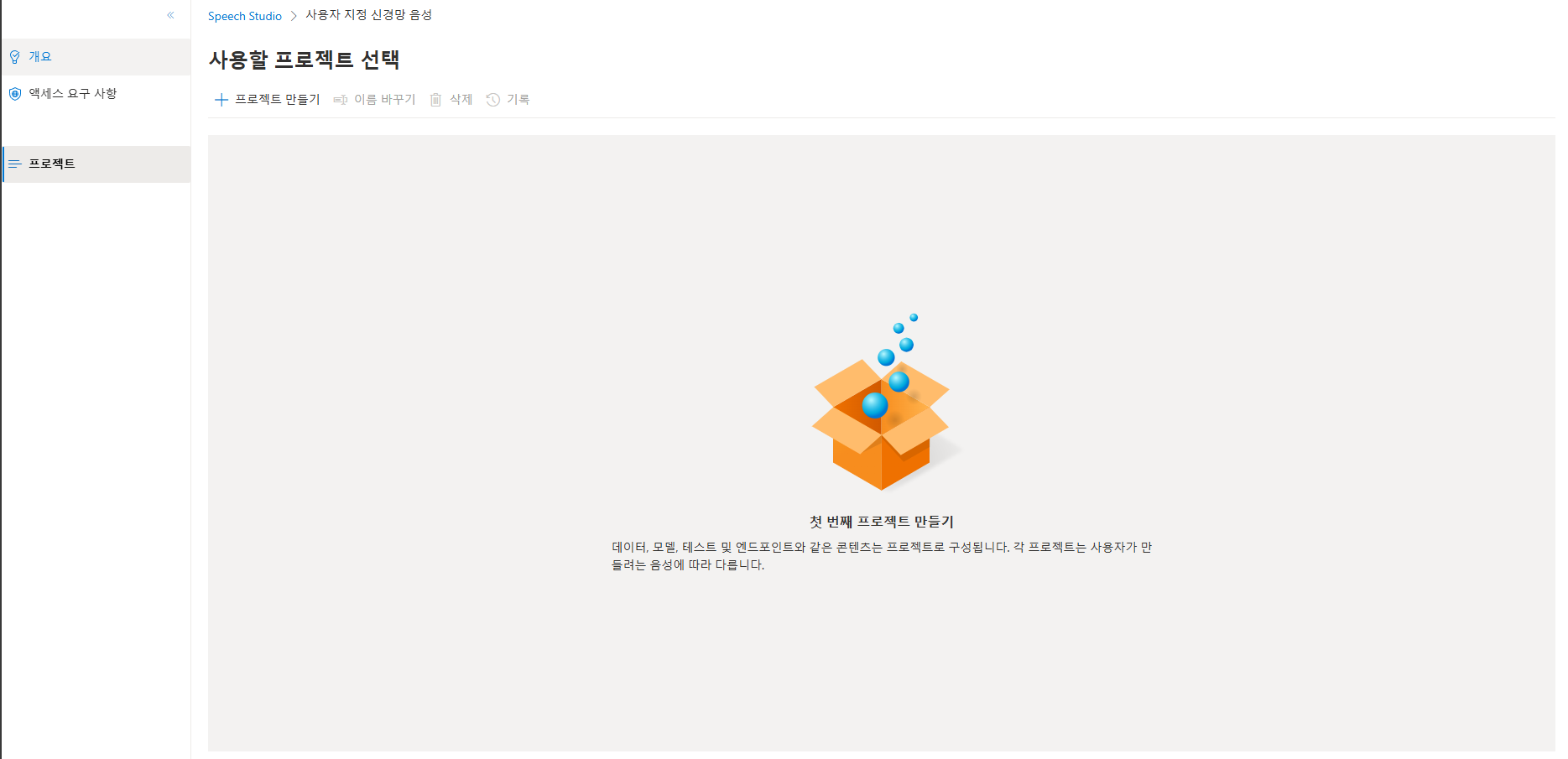


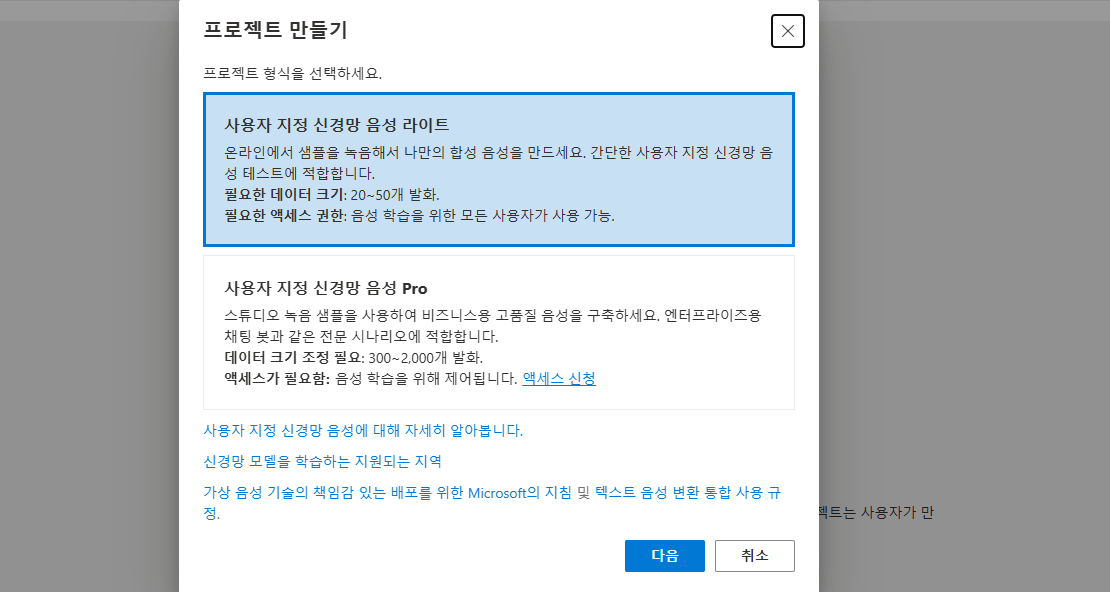
조금 변형하여 한국어의 여성 중 선희라는 아이가 말하게 만들기.

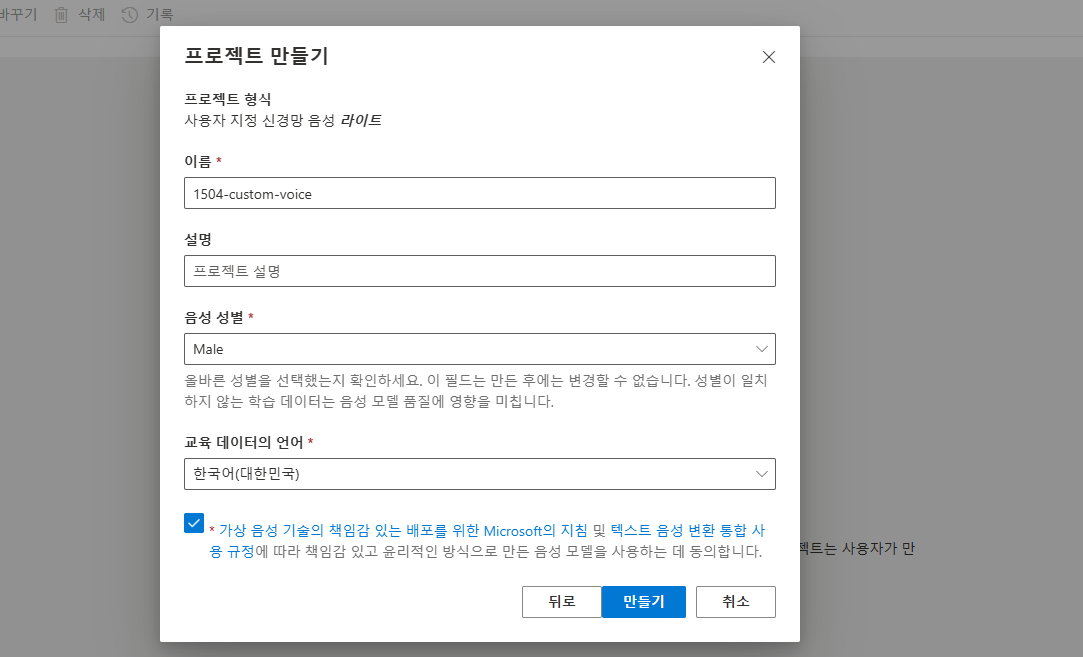


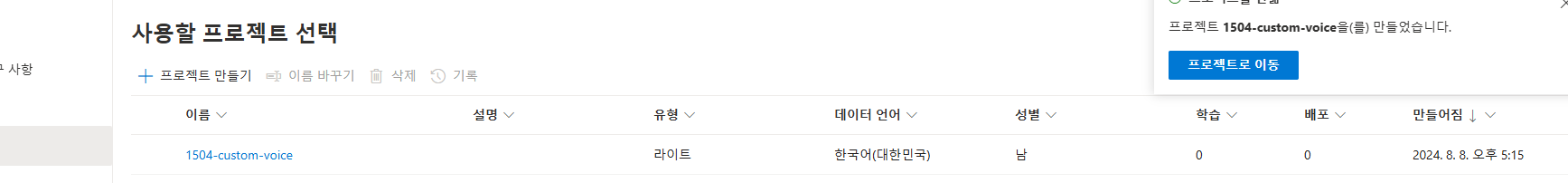
### Custom Voice 클릭

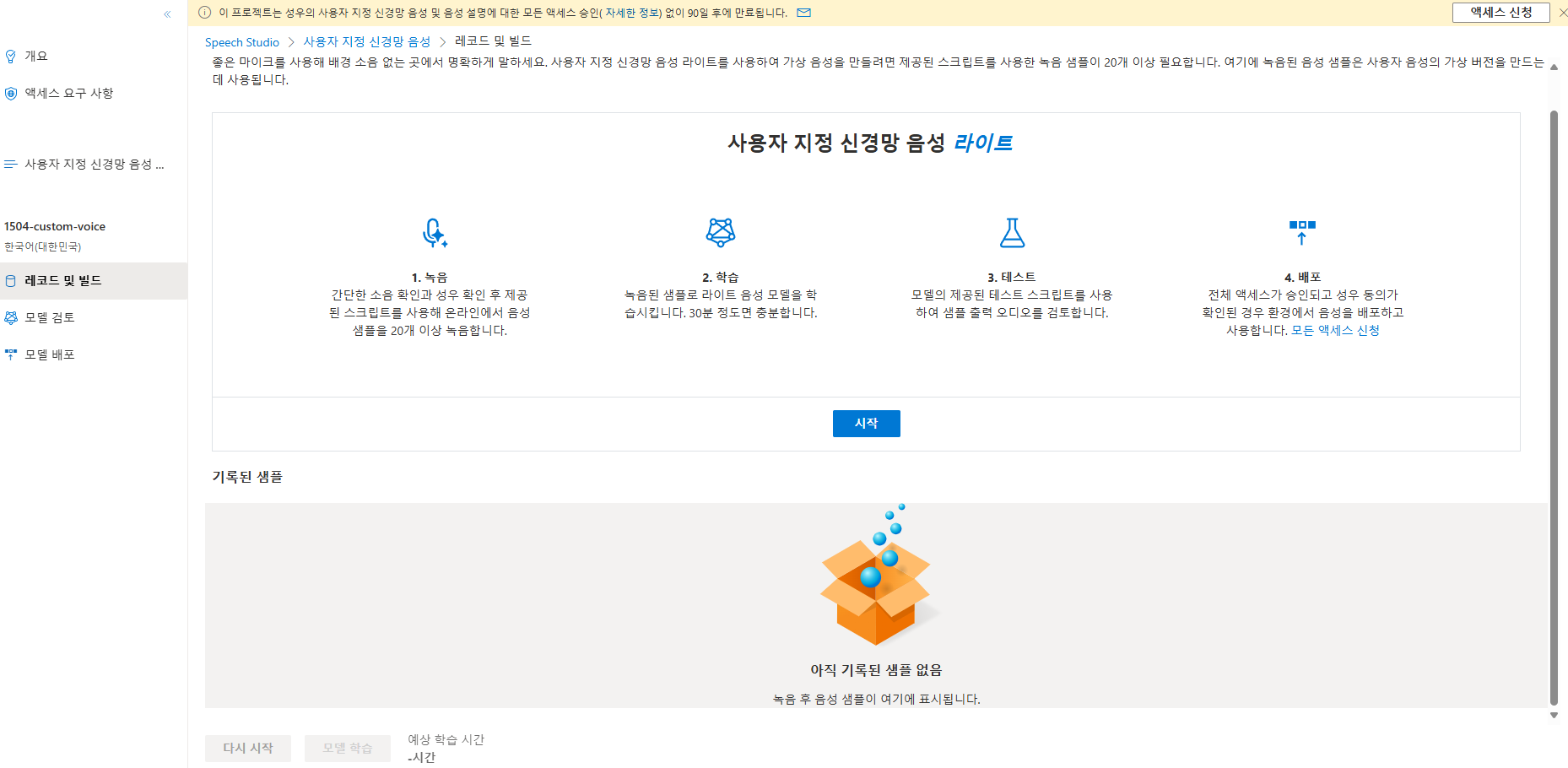


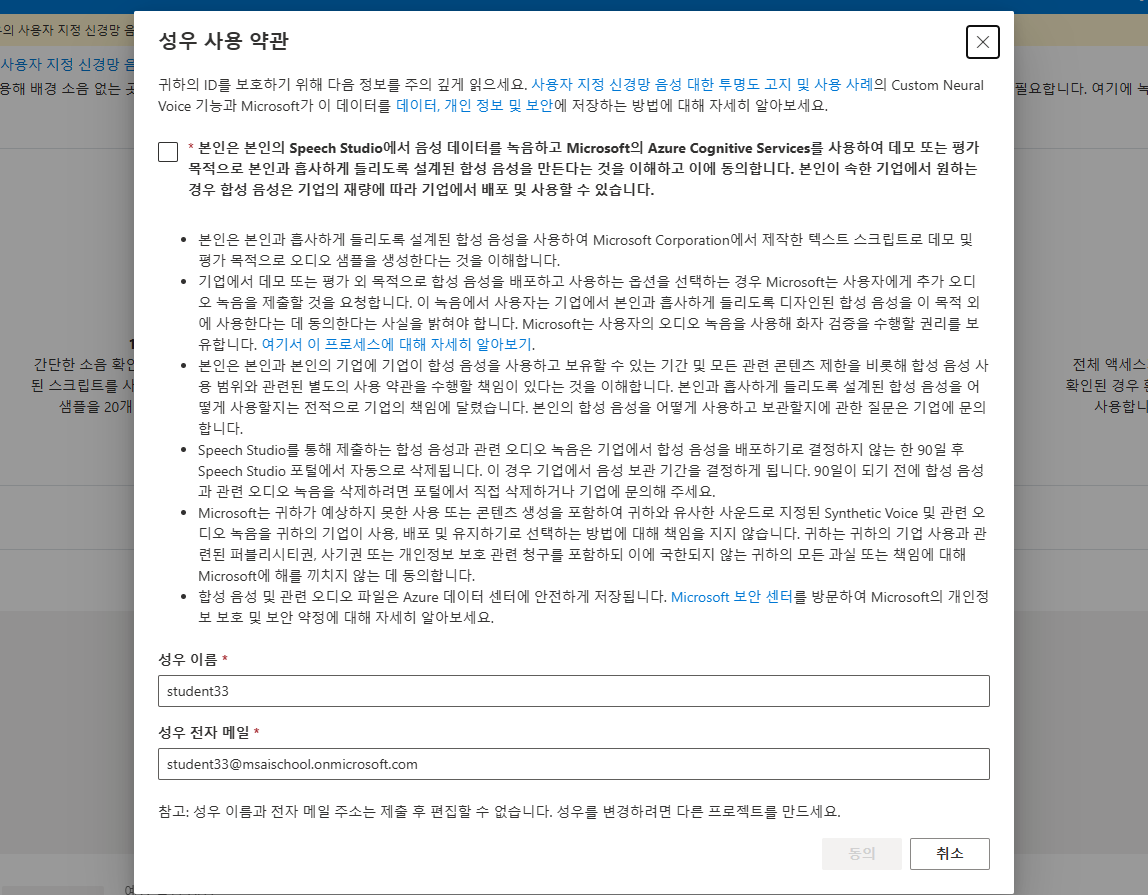


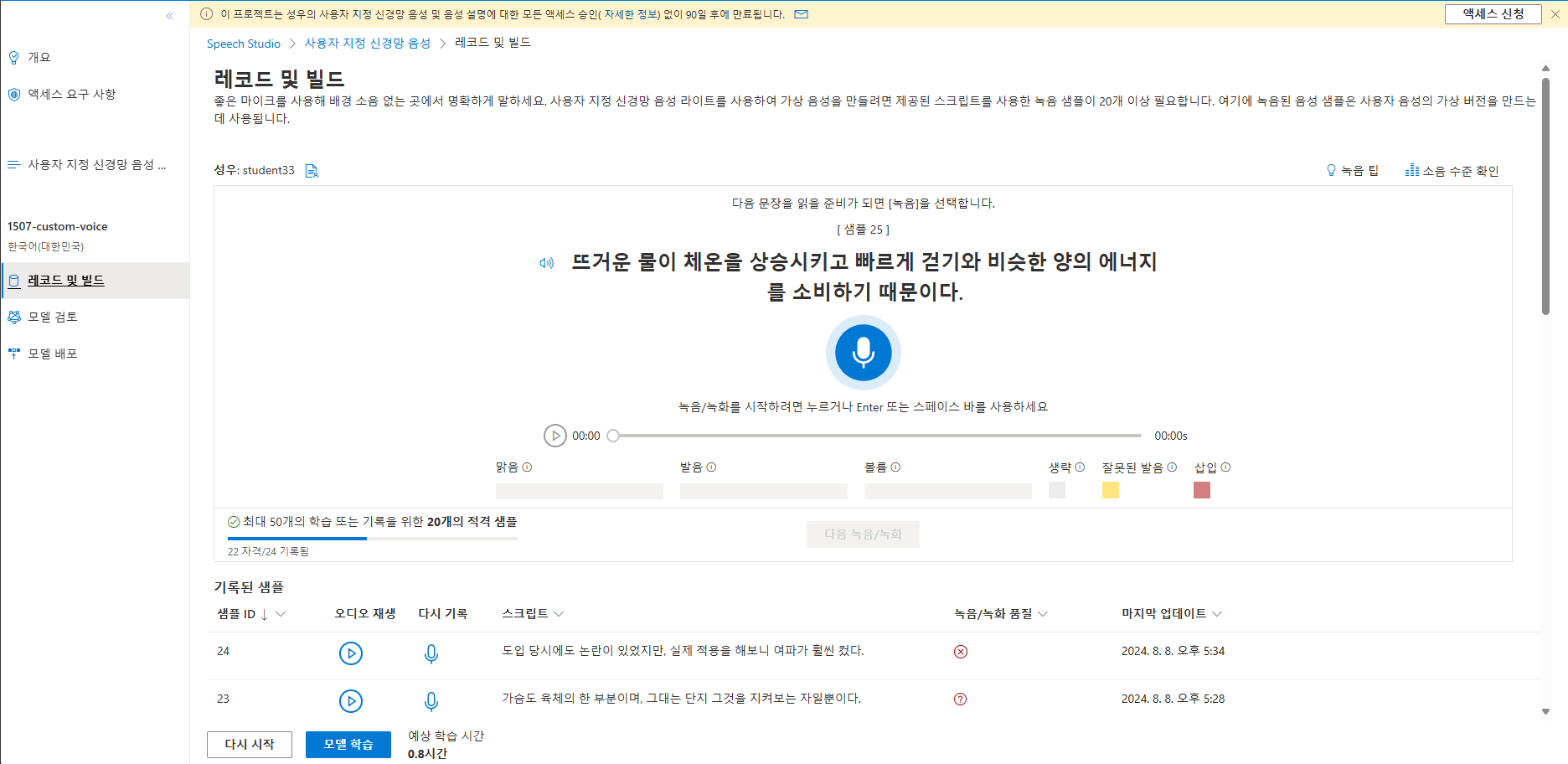


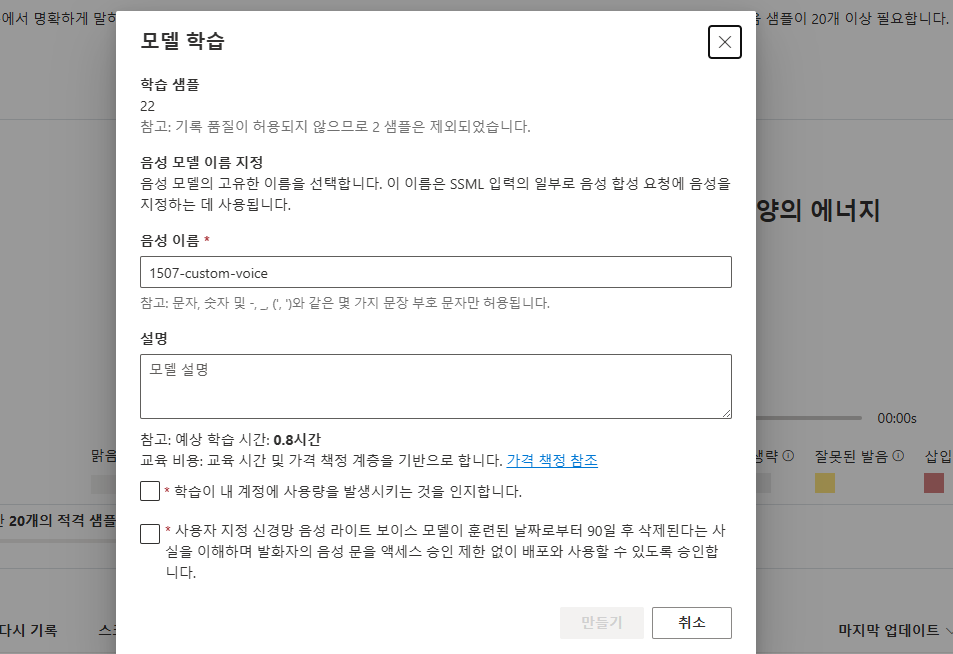




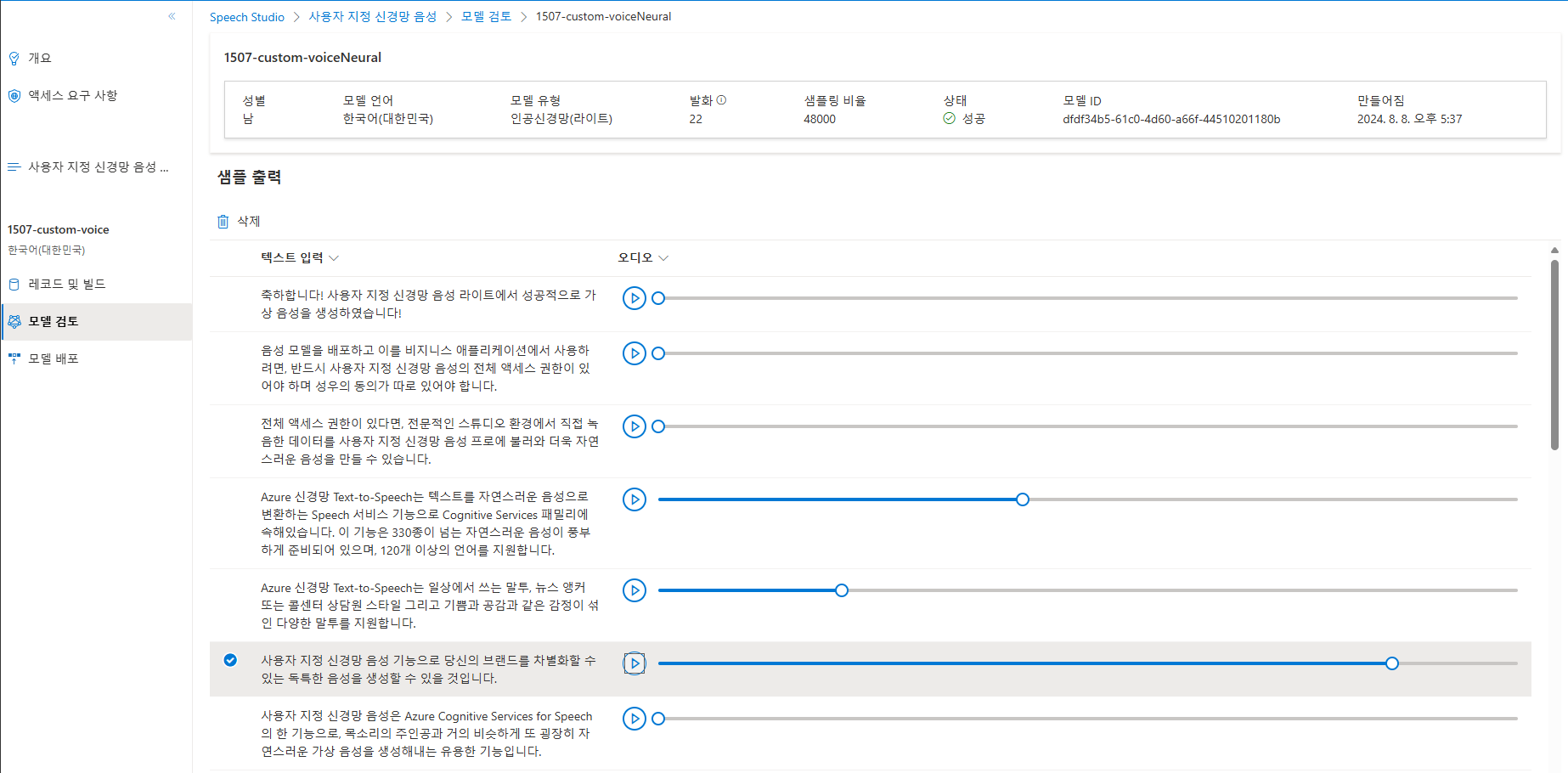




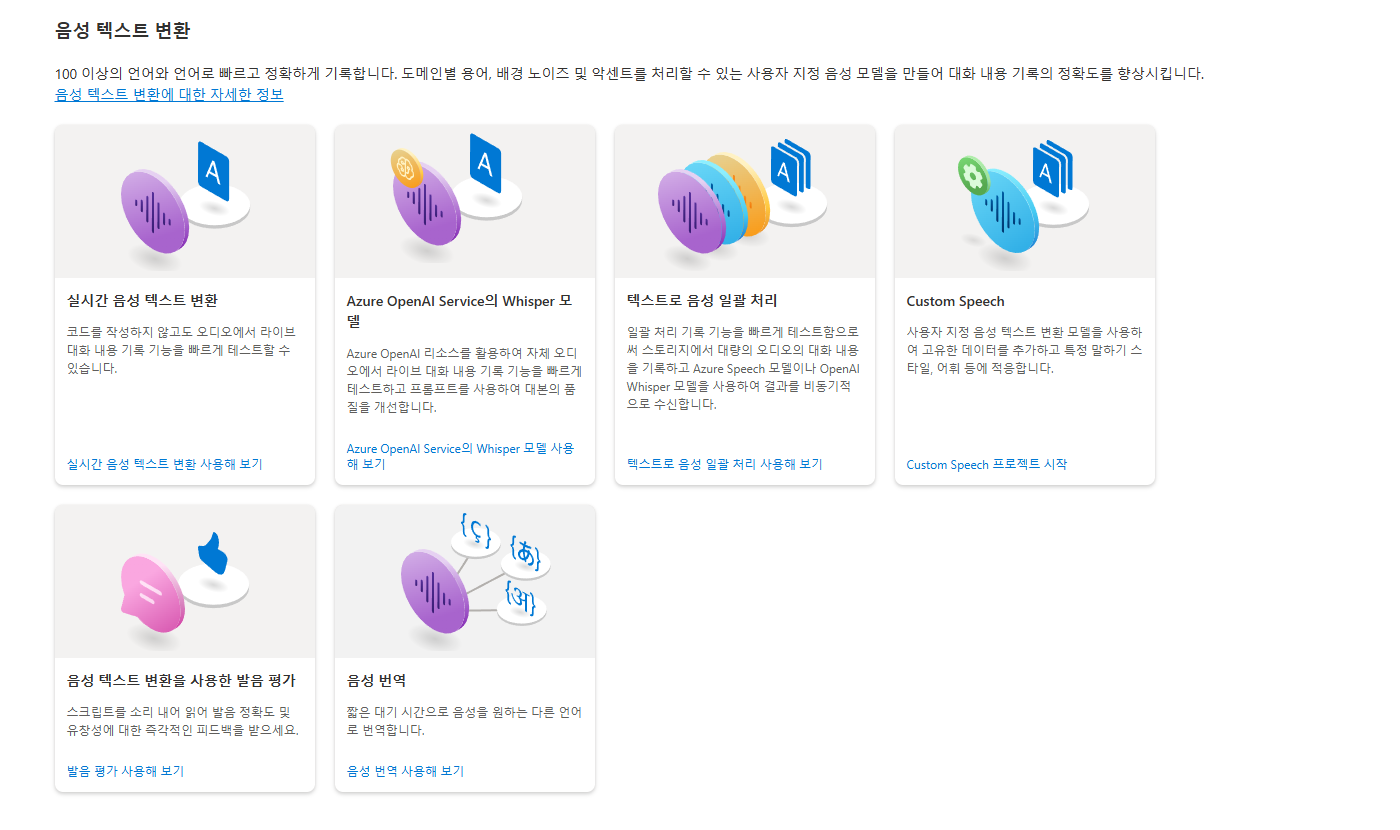




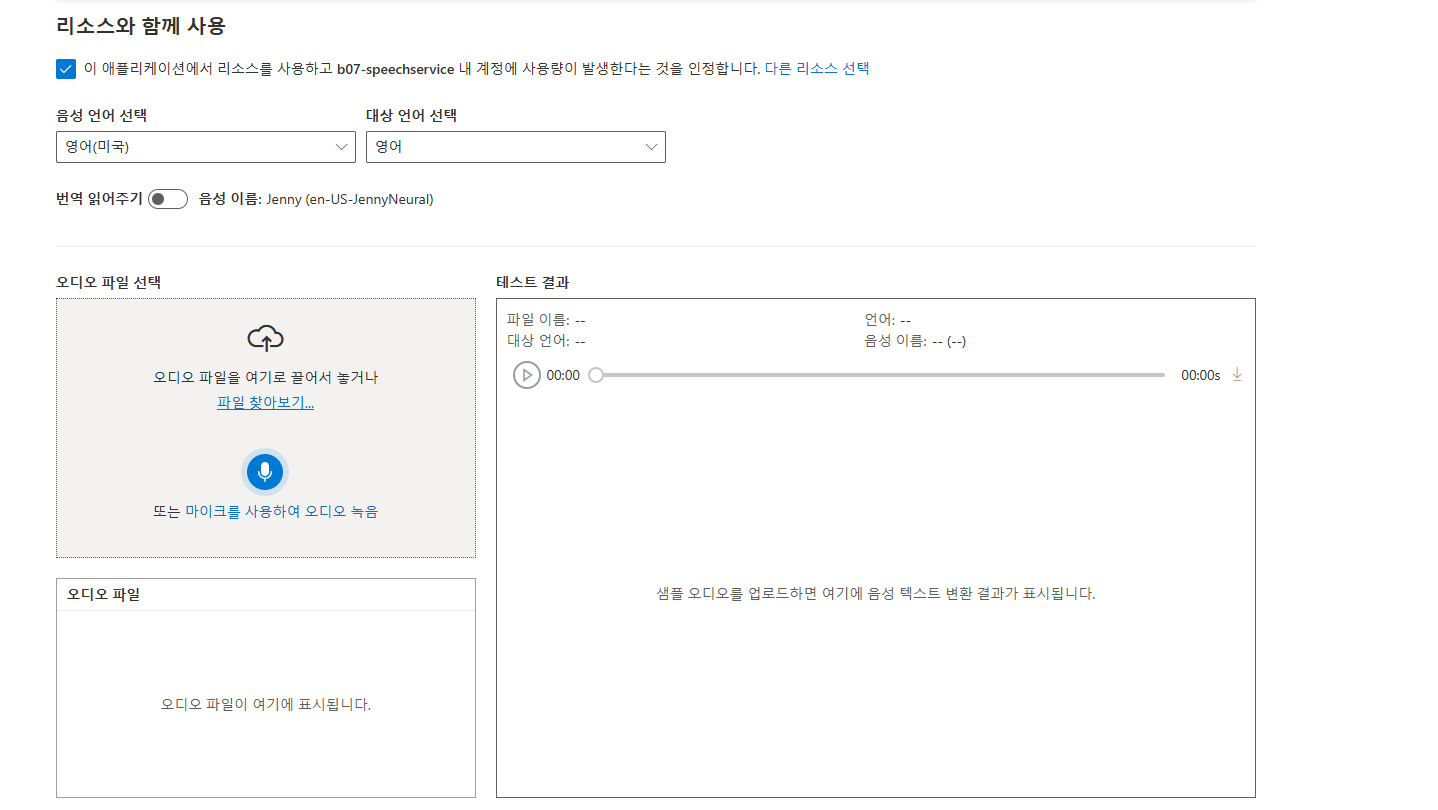




### 음성 번역 클릭

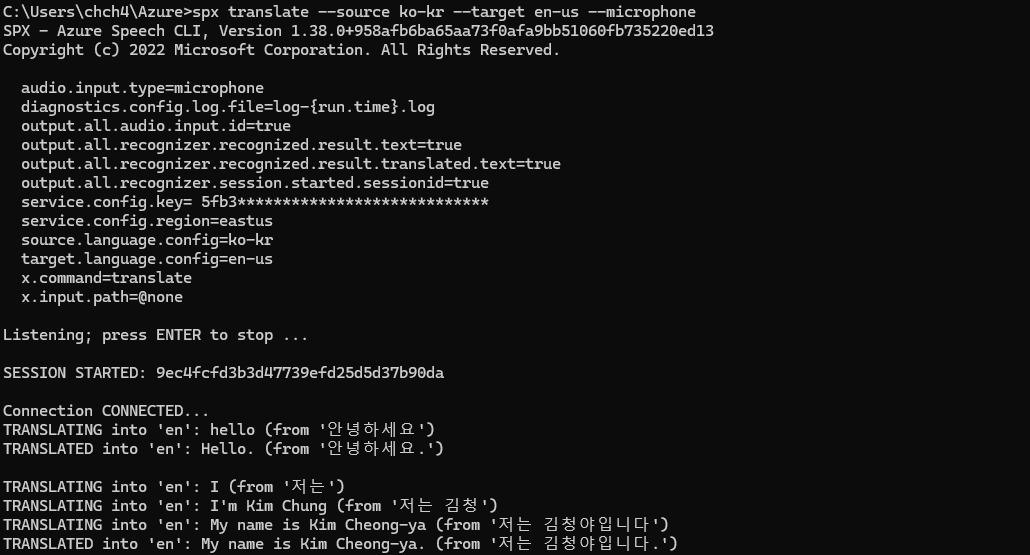






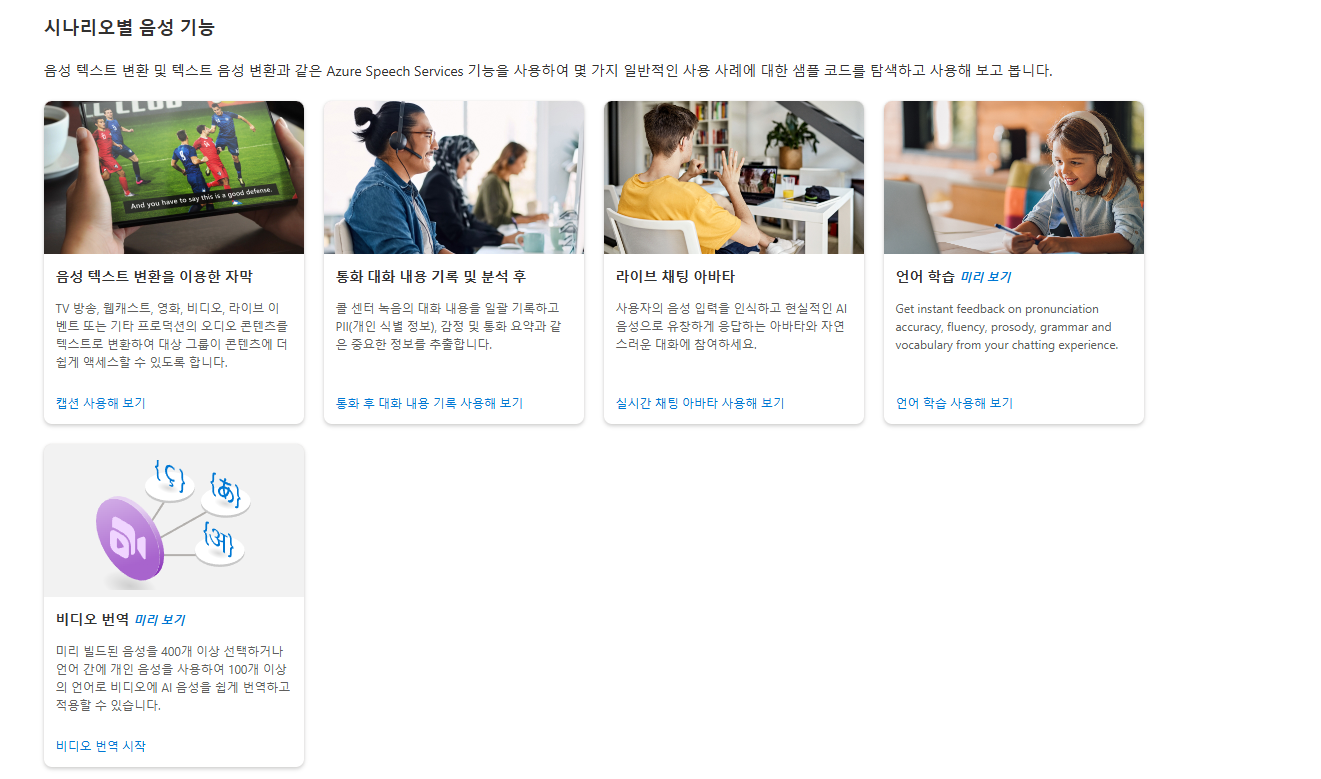


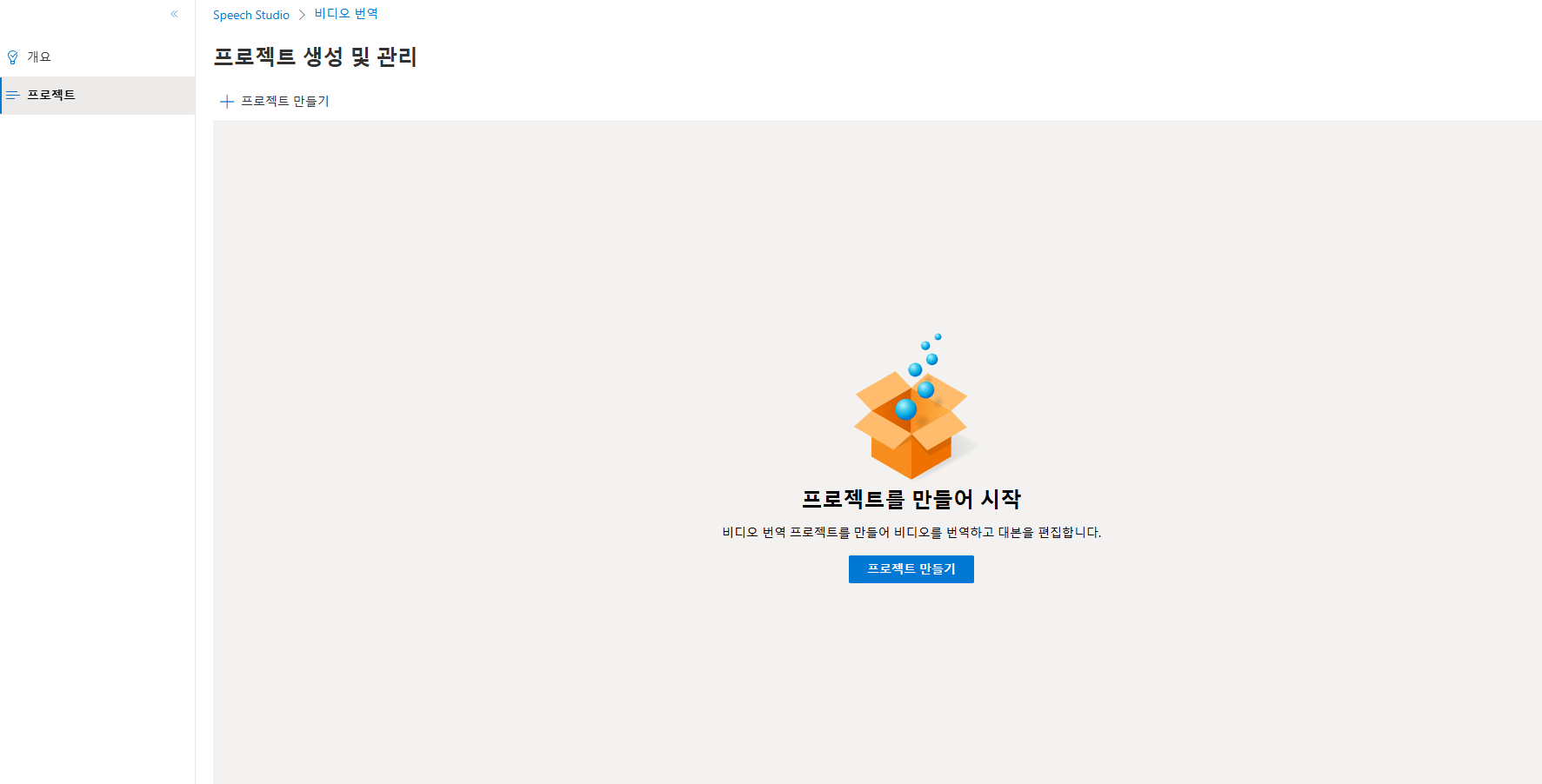
#### CLI와 혼합하여 사용해 보기

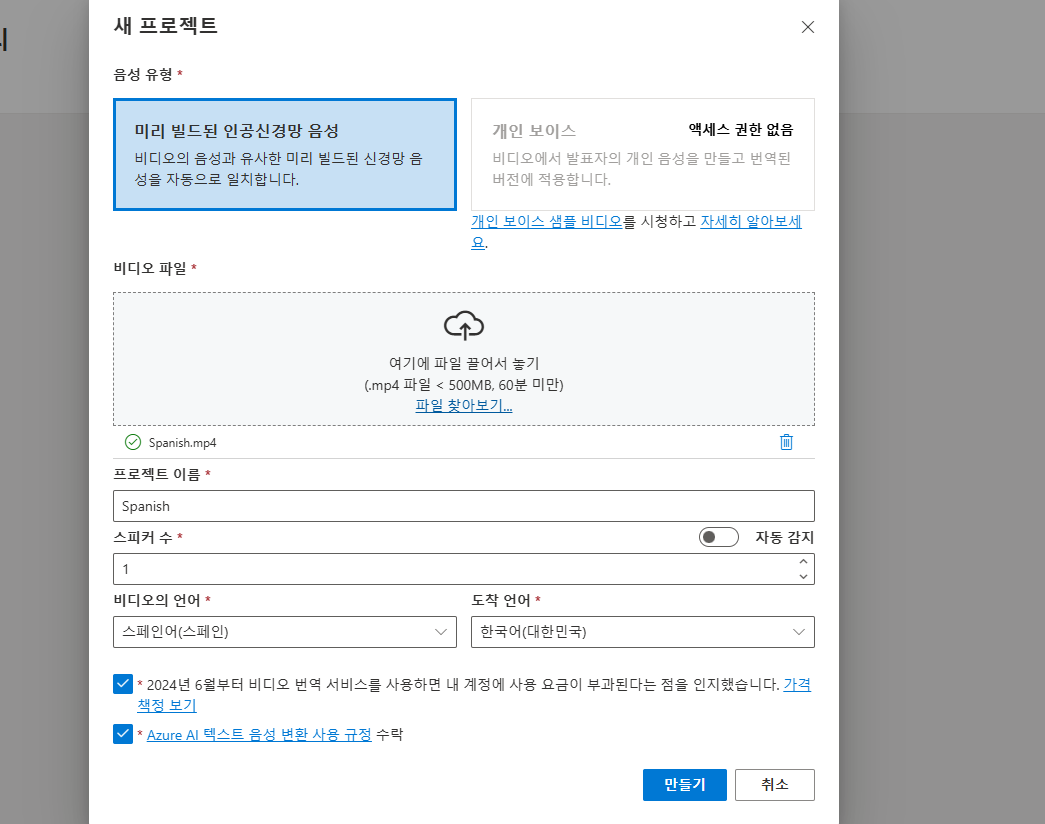


spx translate –source ko-kr –target en-us –microphone 명령어를 사용하여 한글을 영어로 변경하는 작업

### 비디오 번역 클릭

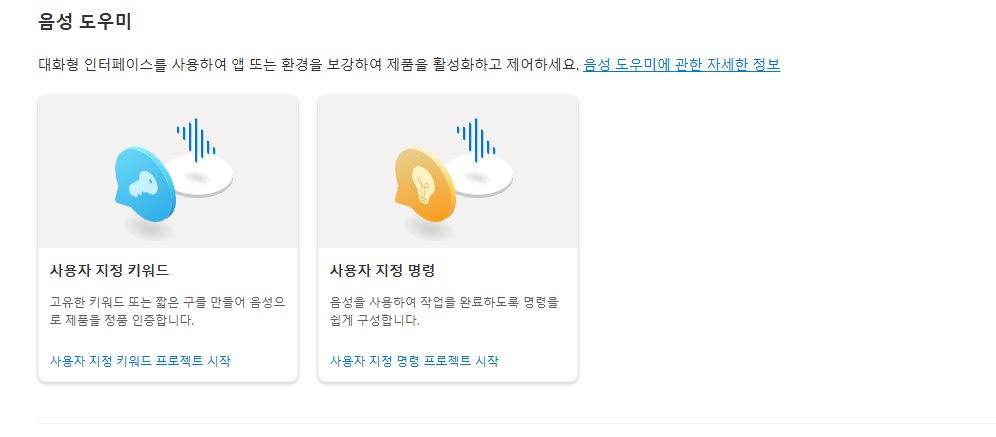


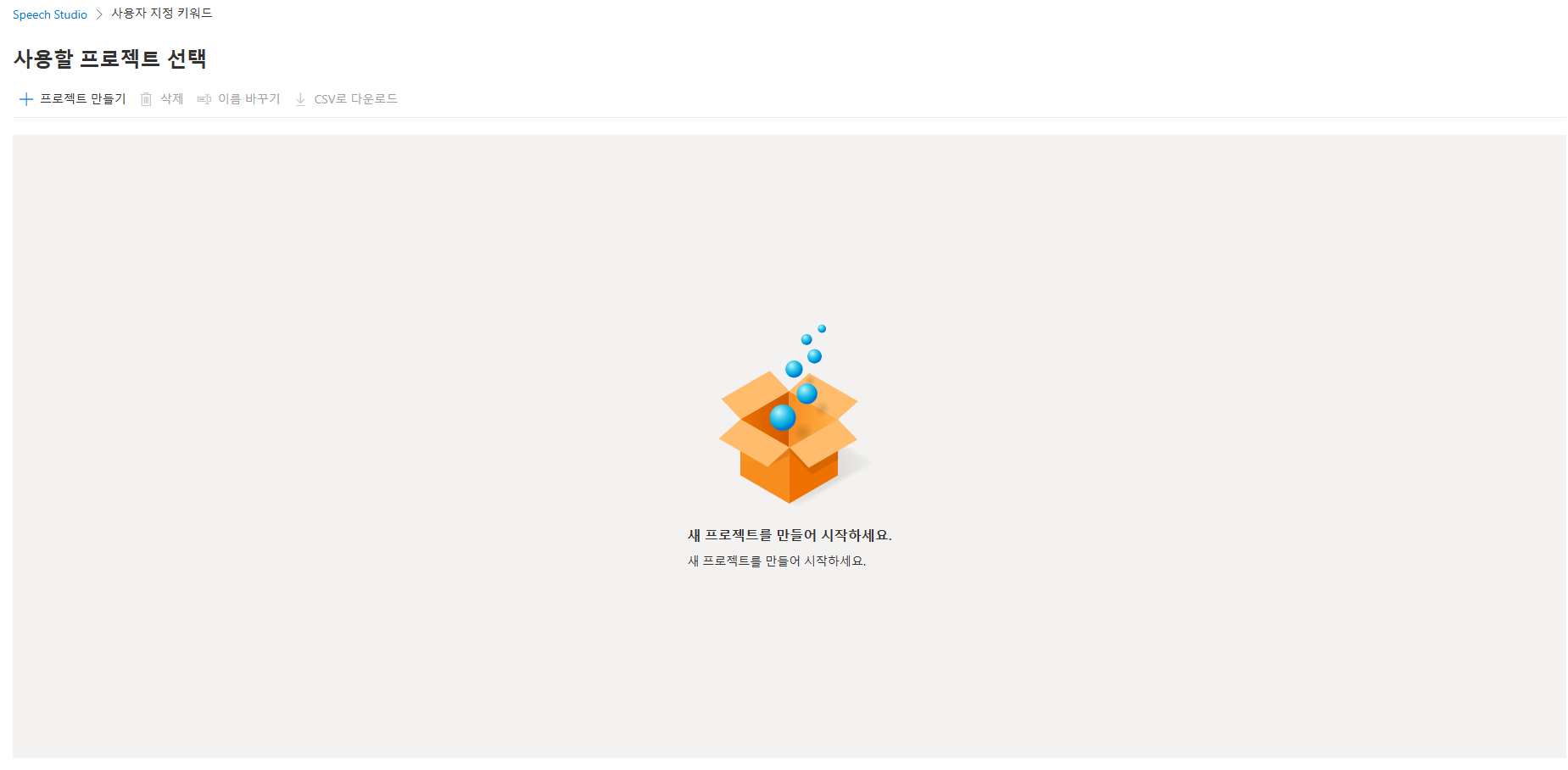


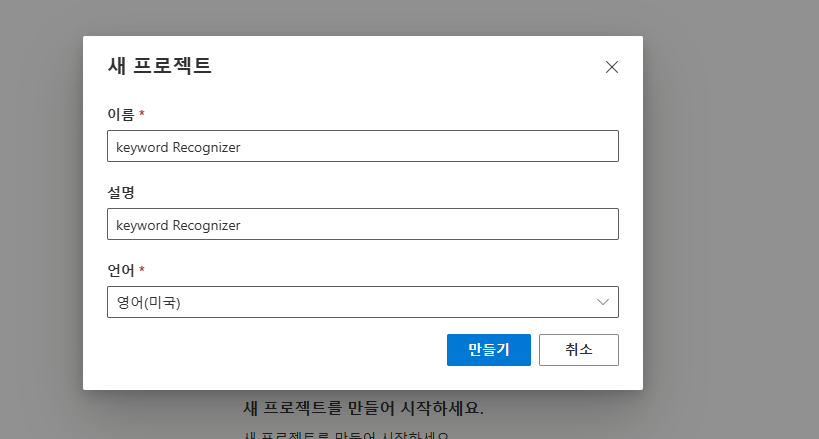


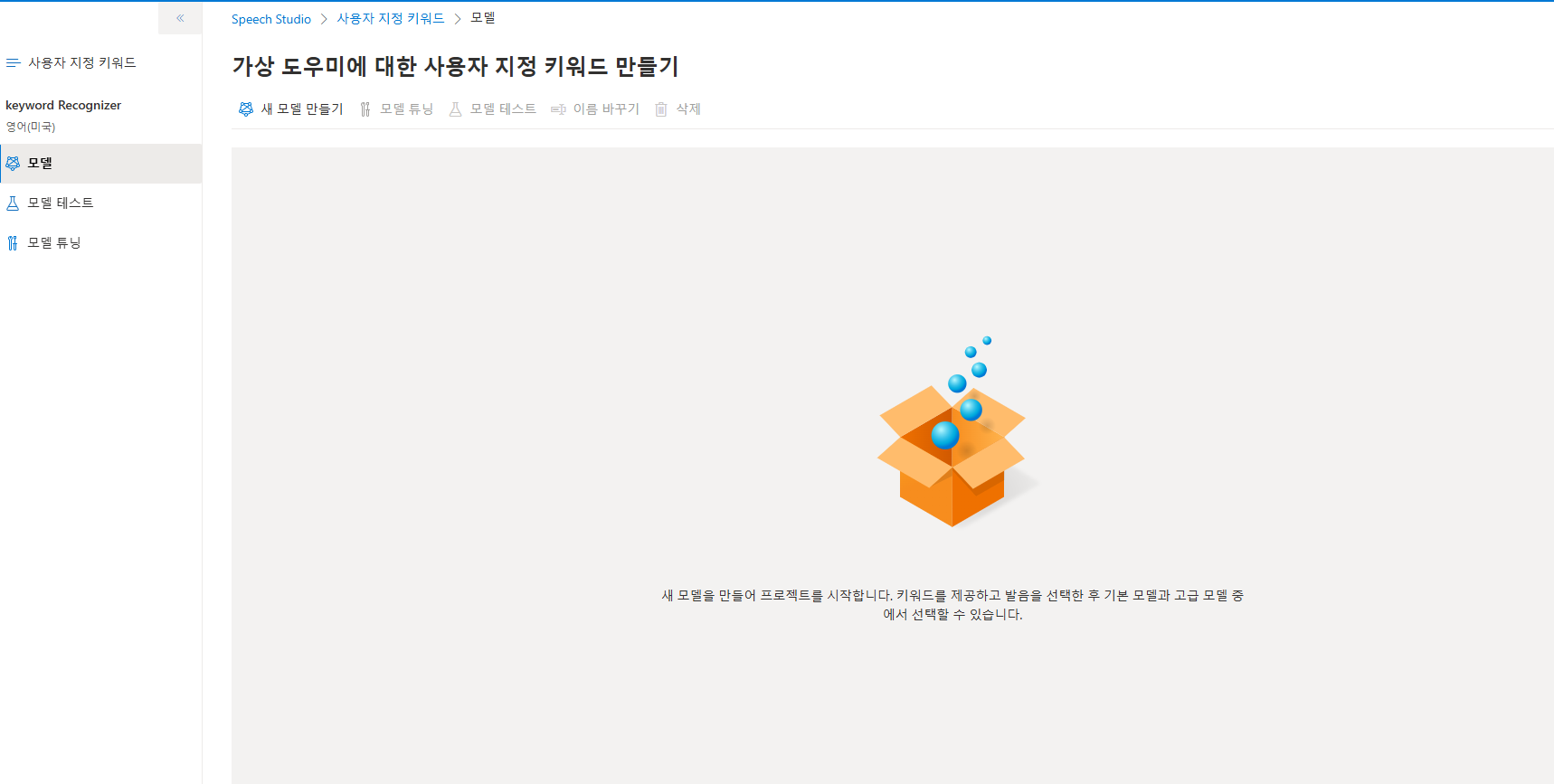
…

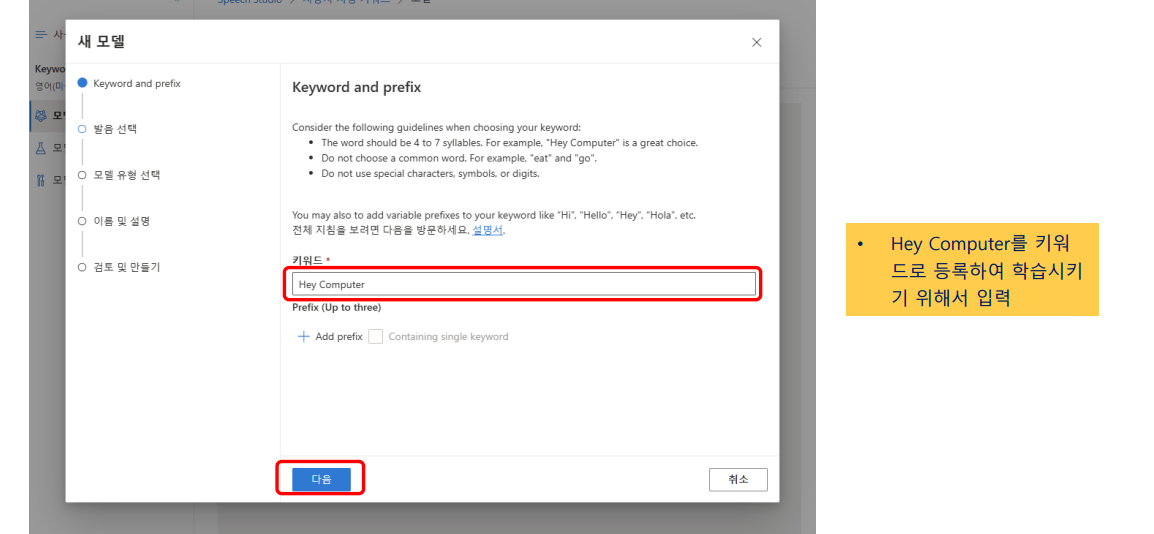
### 사용자 지정 키워드 선택



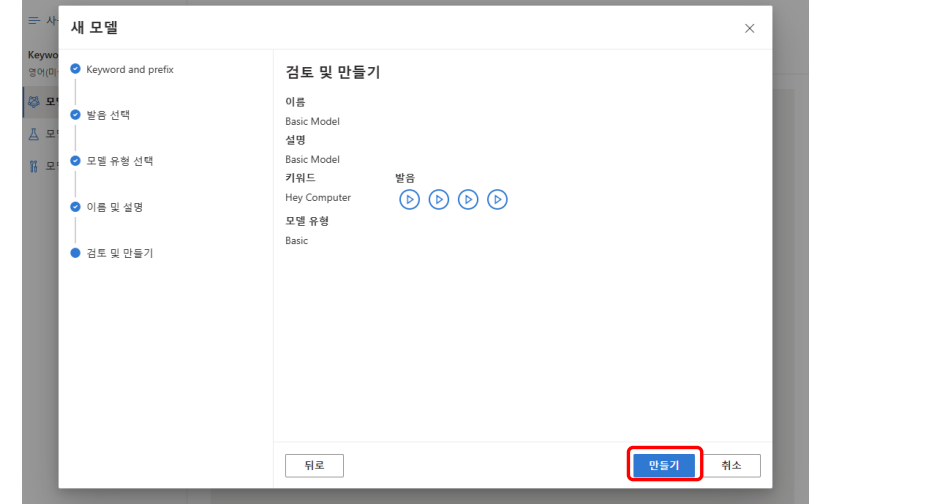


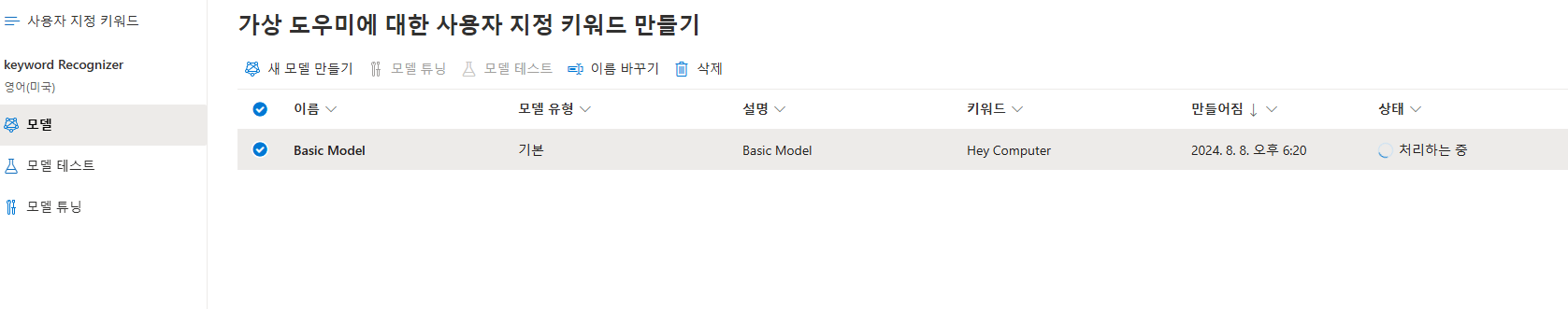












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