

# Azure Cognitive Services

<https://azure.microsoft.com/en-us/services/cognitive-services/>

## API Documentation - Azure Cognitive Services Demos

1. Analyse Image
  - <https://westus.dev.cognitive.microsoft.com/docs/services/5adf991815e1060e6355ad44/operations/56f91f2e778daf14a499e1fa>
2. Face
  - <https://westus.dev.cognitive.microsoft.com/docs/services/563879b61984550e40cbbe8d/operations/563879b61984550f30395236>
3. Text Moderation
  - <https://docs.microsoft.com/en-ca/azure/cognitive-services/content-moderation/api-reference>
    - i. <https://westus.dev.cognitive.microsoft.com/docs/services/57cf753a3f9b070c105bd2c1/operations/57cf753a3f9b070868a1f66f>
4. Image Moderation
  - <https://docs.microsoft.com/en-ca/azure/cognitive-services/content-moderation/api-reference>
    - i. <https://westus.dev.cognitive.microsoft.com/docs/services/57cf753a3f9b070c105bd2c1/operations/57cf753a3f9b070868a1f66c>
5. Get Bearer (Access) Token
  - <https://docs.microsoft.com/en-us/azure/cognitive-services/speech-service/rest-speech-to-text#authentication>
6. List Voices
  - <https://docs.microsoft.com/en-us/azure/cognitive-services/speech-service/rest-text-to-speech#get-a-list-of-voices>
7. Text to Speech
  - <https://docs.microsoft.com/en-us/azure/cognitive-services/speech-service/rest-text-to-speech#convert-text-to-speech>
8. Speech to Text
  - <https://docs.microsoft.com/en-us/azure/cognitive-services/speech-service/rest-speech-to-text>
9. Text Analytics - Entities
10. Text Analytics - Key Phrases
11. Text Analytics - Sentiments

- <https://westcentralus.dev.cognitive.microsoft.com/docs/services/TextAnalytics-v2-1/operations/56f30ceeda5650db055a3c7>
- 12. Translate
  - <https://docs.microsoft.com/en-us/azure/cognitive-services/Translator/reference/v3-0-translate>
- 13. Web Search
  - <https://dev.cognitive.microsoft.com/docs/services/f40197291cd14401b93a478716e818bf/operations/56b4447dcf5ff8098cef380d>
- 14. Autosuggest
  - <https://dev.cognitive.microsoft.com/docs/services/644e01b5a68c4fdb93e1f49b4f5c4ce1/operations/56c769a2cf5ff801a090fbd2>
- 15. Image Search
  - <https://dev.cognitive.microsoft.com/docs/services/8336afba49a84475ba401758c0dbf749/operations/56b4433fcf5ff8098cef380c>
- 16. Spell Check
  - <https://dev.cognitive.microsoft.com/docs/services/5f7d486e04d2430193e1ca8f760cd7ed/operations/57855119bca1df1c647bc358>

## Custom Vision Demo:

Documentation:

<https://azure.microsoft.com/en-ca/services/cognitive-services/custom-vision-service/>  
<https://docs.microsoft.com/en-ca/azure/cognitive-services/custom-vision-service/home>

Homepage:

<https://www.customvision.ai/>

Login with your Azure account - should already have an Azure Cognitive services key.

## Exercise Links:

Computer Vision

<https://azure.microsoft.com/en-us/services/cognitive-services/computer-vision/>

Speech to Text

<https://azure.microsoft.com/en-us/services/cognitive-services/speech-to-text/>

Text to Speech

<https://azure.microsoft.com/en-us/services/cognitive-services/text-to-speech/>

Speaker Recognition

<https://azure.microsoft.com/en-us/services/cognitive-services/speaker-recognition/>

Bing Spell Check

<https://azure.microsoft.com/en-us/services/cognitive-services/spell-check/>

Bing Image Search

<https://azure.microsoft.com/en-us/services/cognitive-services/bing-image-search-api/>

*Reza Salehi*

*@zaalion*