



Microsoft Azure Cognitive Services

A comprehensive family of AI services and cognitive APIs to help you build intelligent apps

What is Azure Cognitive Services?

Cognitive Services bring AI within reach of every developer—without requiring machine-learning expertise. All it takes is an API call to embed the ability to see, hear, speak, search, understand, and accelerate decision-making into your apps.

Watch this 50-second video to see how you can deploy AI for various use-cases, using the programming languages you already know.

Explore the benefits of Cognitive Services

Apply AI to more scenarios with the most comprehensive portfolio of domain-specific AI capabilities on the market

Build confidently with the first AI services to achieve human parity in computer vision, speech, and language

Deploy Cognitive Services anywhere from the cloud to the edge with containers

No machine-learning expert's

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Infuse yours apps, websites, and bots with human-like intelligence



Vision

- Object, scene, and activity detection
- Face recognition and identification
- celebrity and landmark recognition
- Emotion recognition
- Text and handwriting recognition (OCR)
- Video metadata, audio, and keyframe extraction and analysis
- Explicit or offensive content moderation
- custom image recognition



Speech

- Search transcription (Speech-to-text)
- Speech Synthesis (Text-to-Speech)
- Real time Speech Translation
- Speaker identification and verification
- Custom Speech models for transcription and translation
- Custom voice



Language

- Language detection
- text sentiment analysis
- Key phrase extraction
- Entity recognition
- Spell checking
- Explicit ir offensive text content moderation, PII detection.
- Text translation
- Customizable text translation
- Customizable language understanding



Knowledge

- Q&A extraction from unstructured text
- Knowledge base creation from collections of Q&As
- Semantic matching for knowledge bases
- Customizable content personalization
- learning



Search

- Ad-free web, news, image and video search results trends for video, news
- Image identification, classification, and knowledge extraction
- identification of similar images and products
- Named entity recognition for named entities
- Search query autosuggest
- Ad-free custom search engine creation



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Vision



Speech



Language



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Knowledge



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