

Atelier Azure Cognitive Search pour les partenaires

Jeudi 9 janvier 2020



Vos interlocuteurs

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- AI&ML specialist
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1) Accès wifi
visiteur



Accès au Wifi visiteurs

1. Nom du réseau Wifi : **MSFTGUEST**



2. Bouton « **Visiting Guest** »

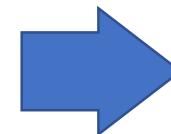
Visiting Guest

3. Ensuite « **Create a Guest Account** »

4. Mentionner ensuite l'email du parrain, votre nom ainsi que votre adresse email.

Email du parrain : franck.gaillard@microsoft.com

Vous aurez ensuite accès au réseau Wifi Microsoft après validation (prévoir quelques minutes d'attente)



Please complete the form to gain access to the network:

* **Email du parrain :**

Email de la personne qui parraine ce compte.

* **Votre nom :**

Veuillez saisir votre nom complet.

* **Adresse email :**

Veuillez saisir votre adresse email.
Ce sera votre nom d'utilisateur pour vous connecter au réseau.

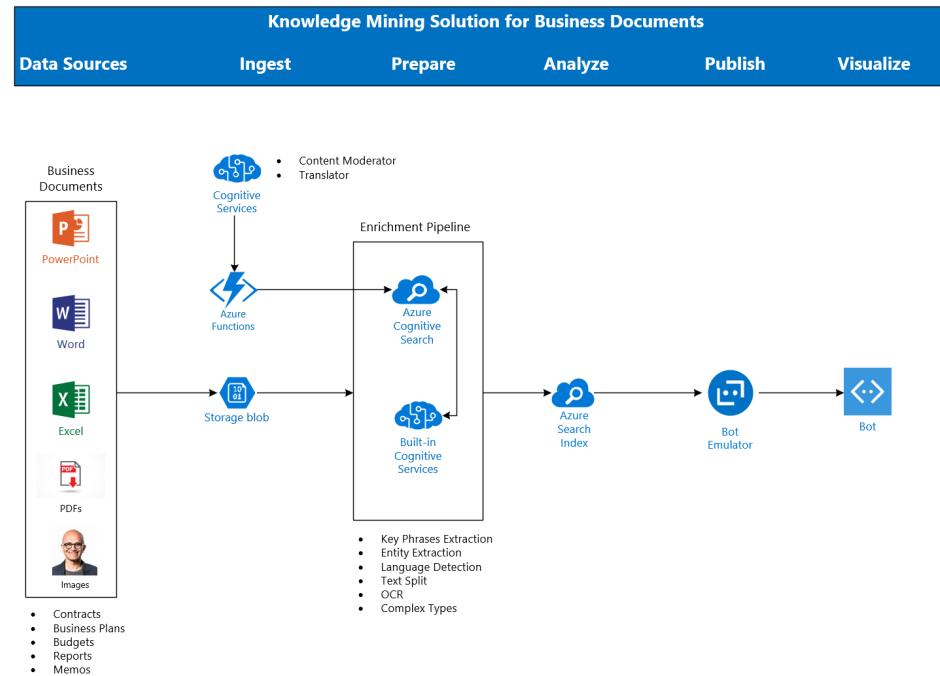
* **Confirmer :**

J'accepte les [conditions d'utilisation](#)

S'inscrire

2) Contenu du workshop

Contenu du workshop Azure Cognitive Search



<https://aka.ms/WorkshopACS>

Présentations

<https://aka.ms/PresentationsACS>

Agenda

PRÉSENTATION AZURE COGNITIVE
SEARCH

DÉMONSTRATION DES SERVICES
COGNITIFS AZURE

PRÉSENTATION AZURE COGNITIVE
SEARCH

DÉMONSTRATION AZURE COGNITIVE
SEARCH

ATELIER AZURE COGNITIVE SEARCH

Azure Cognitive Services





54+
Azure regions
worldwide

>90
Compliance
certifications

Azure Cognitive Services

Deploy and run as a cloud service or anywhere as a container

5B

transactions a
month



Vision



Speech



Web Search



Language



Decision

Sophisticated pretrained models

Infuse apps with powerful, pre-trained AI models

Customize easily and tailor to your needs



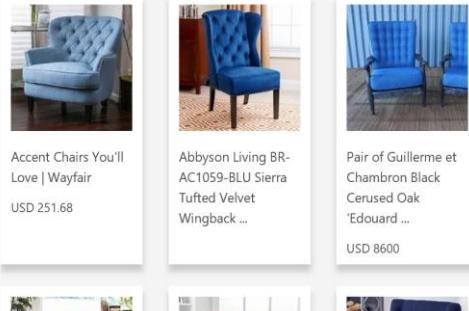
Vision



[Computer Vision](#) | [Video Indexer](#) | [Face](#) | [Content Moderator](#)



Bing
Search



Accent Chairs You'll
Love | Wayfair
USD 251.68

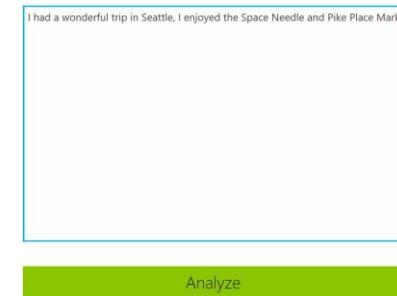
Abbyson Living BR-
AC1059-BLU Sierra
Tufted Velvet
Wingback ...

Pair of Guillerme et
Chambron Black
Cerused Oak
'Edouard ...
USD 8600

[Big Web Search](#) | [Video Search](#) | [Image Search](#) | [Visual Search](#) | [Entity Search](#) |
[News Search](#) | [Autosuggest](#)



Language

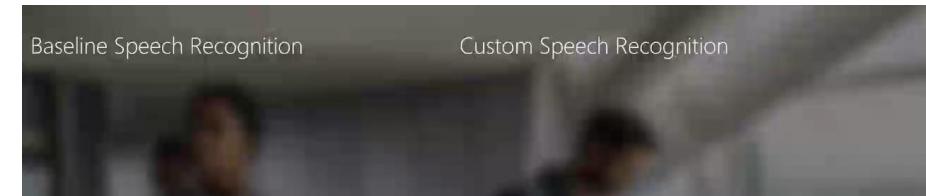


[Text Analytics](#) | [Spell Check](#) | [Language Understanding](#) | [Text Translation](#) | [QnA Maker](#)

Analyzed text

JSON

Languages: English (confidence: 100 %)
Key Phrases:
Sentiment: 73 %
Linked Entities (Preview): a



Speech

[Speech to Text](#) | [Text to Speech](#) | [Speech Translation](#) | [Speaker Recognition](#)



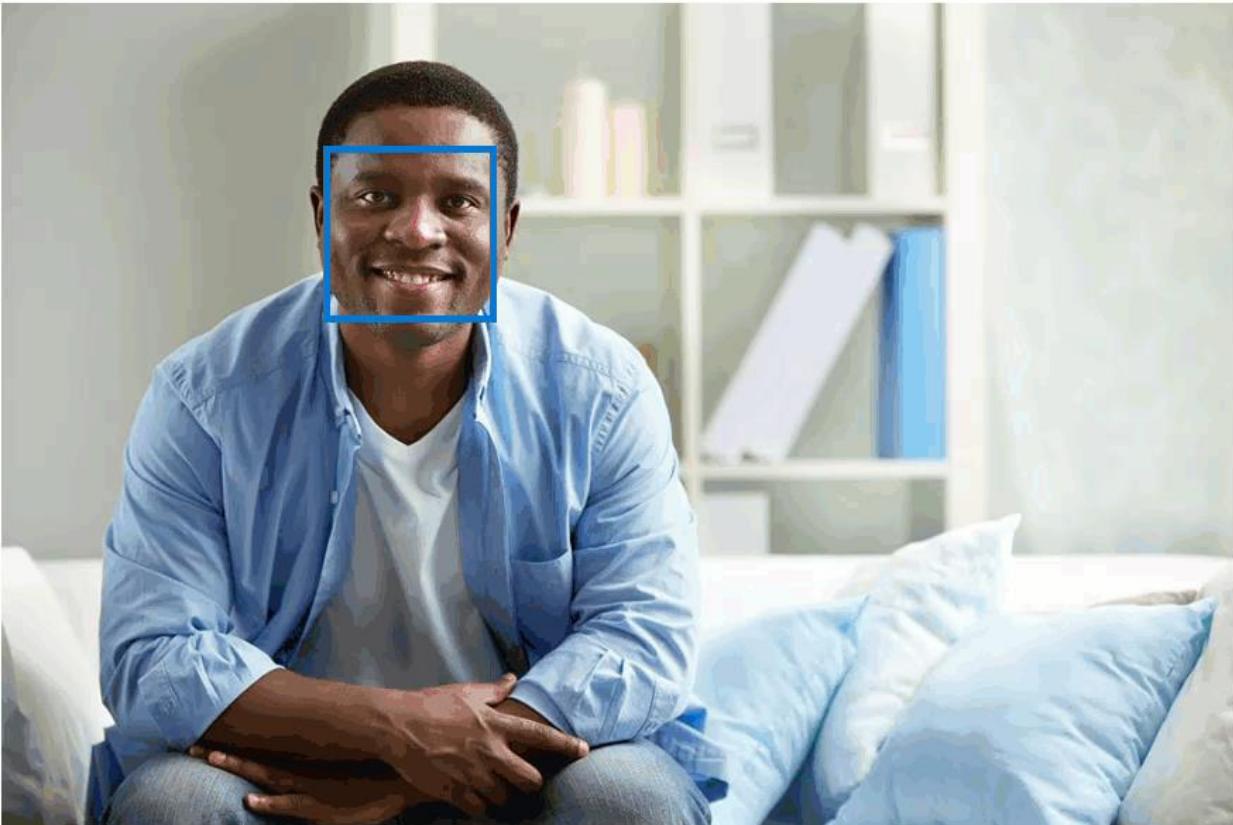
Vision

From faces to feelings, allow your apps to understand images and video

Computer Vision | Video Indexer | Custom Vision |
Face | Content Moderator



Face



```
},
"smile": 1.0,
"headPose": {
  "pitch": 0.0,
  "roll": 3.2,
  "yaw": 11.4
},
"gender": "male",
"age": 30.0,
"facialHair": {
  "moustache": 0.4,
  "beard": 0.4,
  "sideburns": 0.4
},
"glasses": "NoGlasses",
"makeup": {
  "eyeMakeup": false,
  "lipMakeup": false
},
"emotion": {
  "anger": 0.0,
  "contempt": 0.0,
  "disgust": 0.0,
  "fear": 0.0
}
```

Face



Face detection

Detect faces and their attributes within an image

Face verification

Check if two faces belong to the same person

Similar face searching

Find similar faces within a set of images

Face grouping

Organize many faces into groups

Face identification

Search which person a face belongs to



Face

{"categories": [{"name": "people_group", "score": 0.640625, "detail": {"celebrities": [{"name": "**Sylvester Stallone**", "confidence": 0.9281664490699768, "faceRectangle": {"left": 414, "top": 182, "width": 181, "height": 181}}, {"name": "**Talia Shire**", "confidence": 0.9841282963752747, "faceRectangle": {"left": 326, "top": 321, "width": 170, "height": 170}}]}]}, "color": {"dominantColorForeground": "Yellow", "dominantColorBackground": "Grey", "dominantColors": ["Grey", "Yellow", "Black"], "accentColor": "B6151E", "isBwImg": false, "isBWImg": false}, "description": {"tags": ["person", "yellow", "wearing", "woman", "holding", "man", "red", "teddy", "posing", "young", "stuffed", "dressed", "bear", "standing", "shirt", "outfit", "neck", "phone"], "captions": [{"text": "**Talia Shire, Sylvester Stallone are posing for a picture"}]}, "confidence": 0.5874752976897964}], "requestId": "c92e3c6e-3db8-45ad-b1d7-434e8e2a3c6a", "metadata": {"width": 867, "height": 920, "format": "Jpeg"}}}**

Identification

Talia Shire, Sylvester Stallone



Emotion

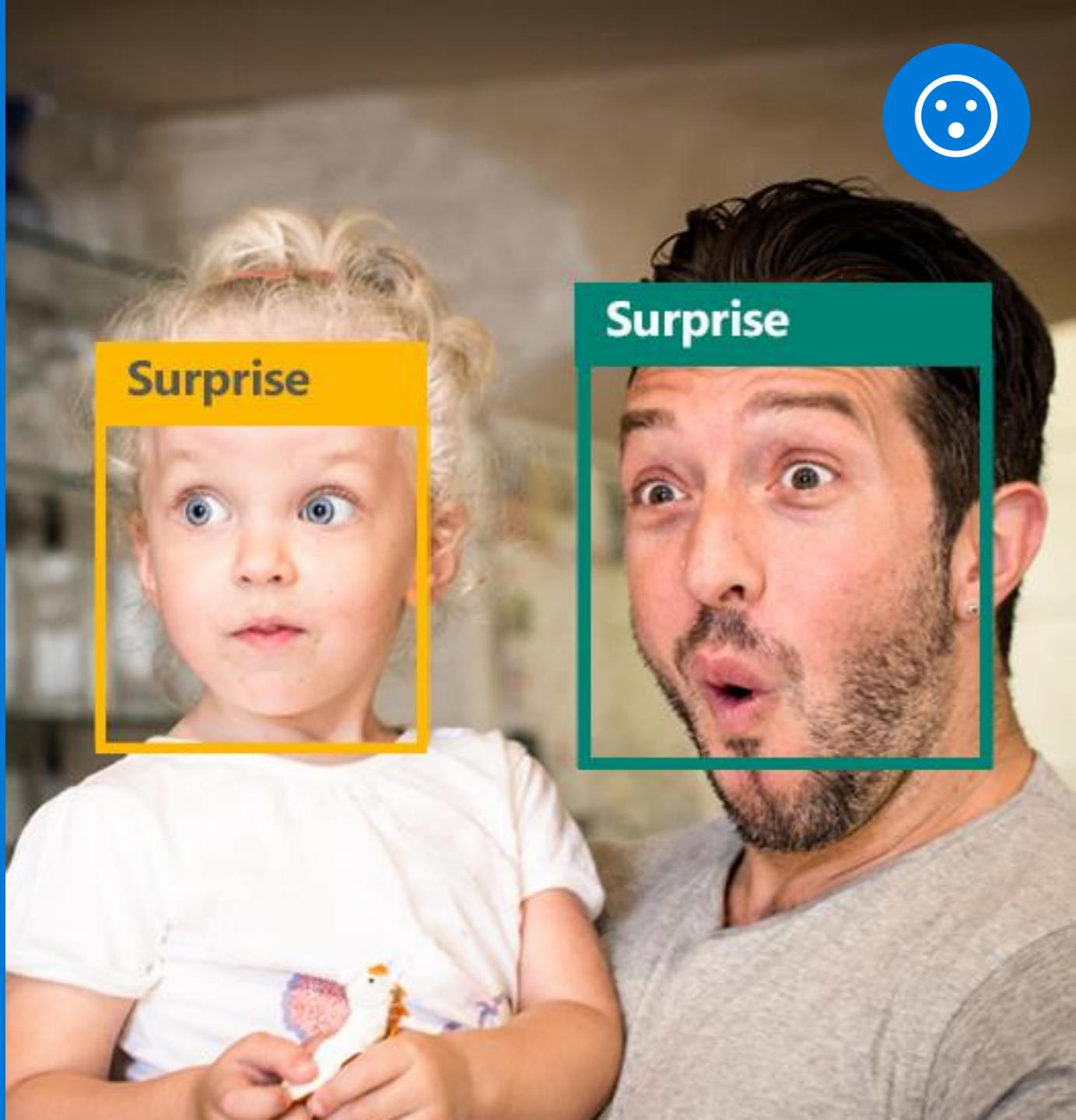


Face detection

```
"faceRectangle": {"width": 193,  
                 "height": 193,  
                 "left": 326,  
                 "top": 204} ...
```

Emotion scores

```
"scores": { "anger": 5.182241e-8,  
            "contempt": 0.0000242813,  
            "disgust": 5.621025e-7,  
            "fear": 0.00115027453,  
            "happiness": 1.06114619e-8,  
            "neutral": 0.003540177,  
            "sadness": 9.30888746e-7,  
            "surprise": 0.9952837}
```



Computer Vision



FEATURE	VALUE
NAME:	
Description	{ "tags": ["train", "platform", "station", "building", "indoor", "subway", "track", "walking", "waiting", "pulling", "board", "people", "man", "luggage", "standing", "holding", "large", "woman", "yellow", "suitcase"], "captions": [{ "text": "people waiting at a train station", "confidence": 0.833099365 }] }
Tags	[{ "name": "train", "confidence": 0.9975446 }, { "name": "platform", "confidence": 0.995543063 }, { "name": "station", "confidence": 0.9798007 }, { "name": "indoor", "confidence": 0.927719653 }, { "name": "subway", "confidence": 0.838939846 }, { "name": "pulling", "confidence": 0.431715637 }]
Image format	"Jpeg"

Computer Vision

Analyze an image

Understand content within an image

OCR

Detect and recognize words within an image

Generate thumbnail

Scale and crop images, while retaining key content

Recognize celebrities

Thanks to domain-specific models, ability to recognize 200K celebrities from business, politics, sports, and entertainment around the world



Analyze image



Type of image

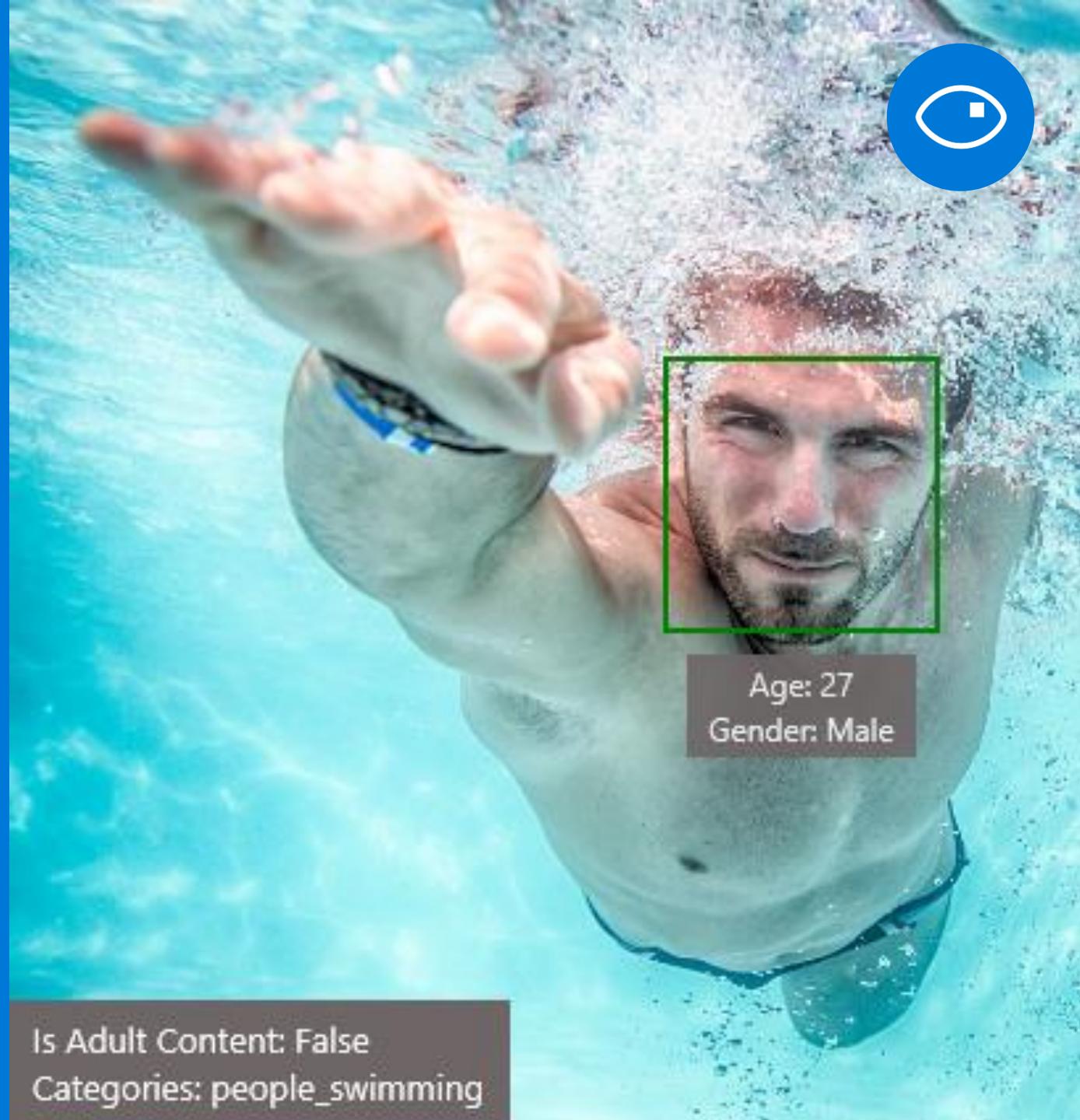
Clip Art Type	0 Non-clipart
Line Drawing Type	0 Non-Line Drawing
Black & White Image	False

Content of image

Categories	[{"name": "people_swimming", "score": 0.099609375}]
Adult Content	False
Adult Score	0.18533889949321747
Faces	[{"age": 27, "gender": "Male", "faceRectangle": {"left": 472, "top": 258, "width": 199, "height": 199}}]

Image colors

Dominant Color Background	White
Dominant Color Foreground	Grey
Dominant Colors	White
Accent Color	



OCR

JSON:

```
{  
  "language": "en",  
  "orientation": "Up",  
  "regions": [  
    {  
      "boundingBox": "41,77,918,440",  
      "lines": [  
        {  
          "boundingBox": "41,77,723,89",  
          "words": [  
            {  
              "boundingBox": "41,102,225,64",  
              "text": "LIFE"  
            },  
            {  
              "boundingBox": "356,89,94,62",  
              "text": "IS"  
            },  
            {  
              "boundingBox": "539,77,225,64",  
              "text": "LIKE"  
            }  
          ]  
        ]  
      ]  
    }  
  ]  
}
```



Smart thumbnail

Smart cropping **off**



https://oxfordportal.blob.core.windows.net



https://oxfordportal.blob.core.windows.net



Ink Recognizer

Ink Recognizer provides applications with the ability to recognize digital handwriting, common shapes, and the layout of inked documents.

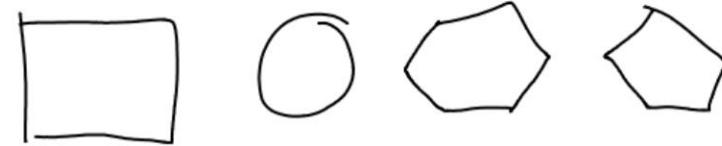
Through an API call, you can leverage Ink Recognizer to create experiences that combine the benefits of physical pen and paper with the best of the digital.

Preview status.



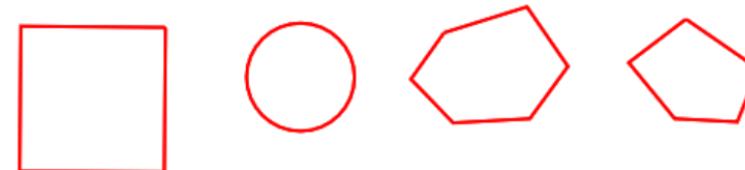
Ink Recognizer Cognitive Service Supports

- Written text
- Simple shapes
- Mixed contents



Ink Recognizer Cognitive Service Supports

- Written text
- Simple shapes
- Mixed contents



Form Recognizer

Form Recognizer uses advanced machine learning technology to quickly and more accurately extract text and data from business's forms and documents.

With container support, this service can run on-premises and in the cloud.

Automate information extraction quickly and tailor to specific content, with only 5 samples, and no manual labeling.

The screenshot shows a mobile application interface for 'BlueInvoice'. At the top, it says '1 / 1' and has icons for download and print. The main content area is titled 'Contoso'. It displays an invoice header with fields: Bill To: Contoso, Ltd; Phone: 432-555-0189; Invoice #: 3-456-2; Fax: 432-555-0123; Invoice Date: 4/14/2019; Email: contoso@example.com. Below this is a section titled 'Invoice For: Project 2'. A table lists nine items with columns for Item #, Description, Qty, Unit Price, Discount, and Price. The table data is as follows:

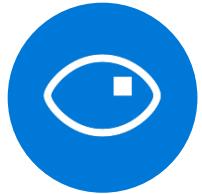
Item #	Description	Qty	Unit Price	Discount	Price
24567	Invoice 3-456-2 Data 1	39	\$ 5.00	\$ -	\$ 195.00
24568	Invoice 3-456-2 Data 2	40	4.00	5.00	160.00
24569	Invoice 3-456-2 Data 3	30	6.00	7.00	170.00
24570	Invoice 3-456-2 Data 4	40	7.00	-	280.00
24571	Invoice 3-456-2 Data 5	10	4.00	-	40.00
24572	Invoice 3-456-2 Data 6	5	8.00	-	40.00
24573	Invoice 3-456-2 Data 7	70	6.00	-	420.00
24574	Invoice 3-456-2 Data 8	25	4.00	-	100.00
24575	Invoice 3-456-2 Data 9	5	7.00	3.00	32.00

On the right side of the screen, there are three circular buttons with icons: a left arrow, a right arrow, and a plus sign. Below the table, the text 'In action' is visible.

The screenshot shows the Azure portal interface with a preview of the JSON output from the Form Recognizer. At the top, there are tabs for 'Preview' and 'JSON', with 'JSON' being active. The JSON data is as follows:

```
Bill To: Contoso, Ltd
Phone: 432-555-0189
Invoice #: 3-456-2
Fax: 432-555-0123
Invoice Date: 4/14/2019
Email: contoso@example.com
Invoice For: Project 2
Invoice Subtotal: 2,014.00
Tax Rate: 8.75%
Sales Tax: 176.23
Other: 0
```

At the bottom of the JSON pane, there is a note: 'Total amount due is \$0.00. Due date is 00 days. Overdue amounts subject to a service charge of 20%'



Content Moderator

Machine-assisted moderation of text and images, augmented with human review tools

Image moderation

Machine-learning based classifiers, custom blacklists, and Optical Character Recognition (OCR)

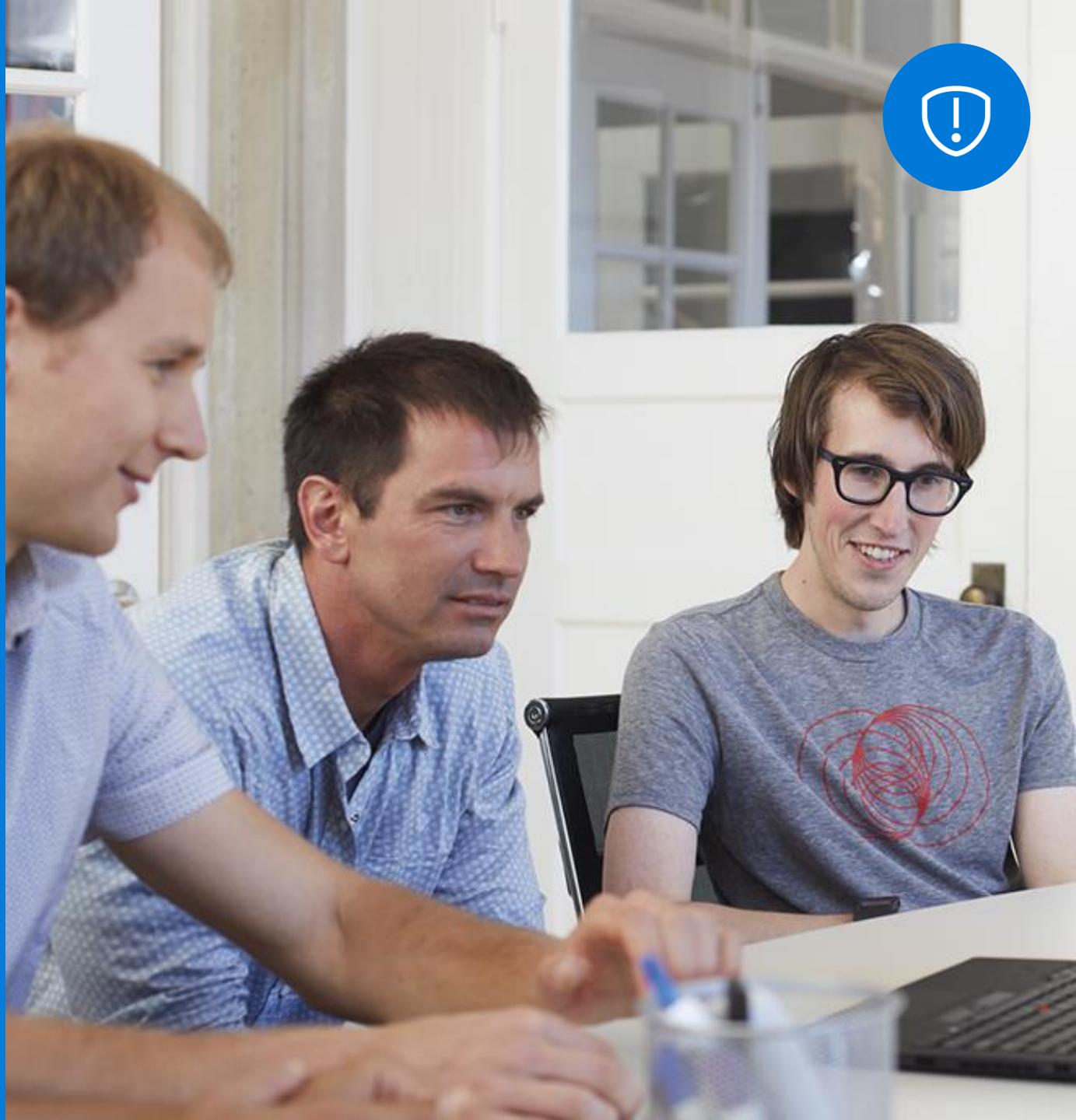
Text moderation

Helps you detect potential profanity in more than 100 languages and match text against your custom lists automatically.

Identification of possible Personally Identifiable Information (PII)

Video moderation (in Azure Media Services)

Scoring of possible adult content in videos.
Video moderation is currently deployed in preview on Azure Media Services



Custom Vision

A customizable web service that learns to recognize specific content in imagery

Upload images

Upload your own labeled images, or use Custom Vision Service to quickly tag any unlabeled images

Train

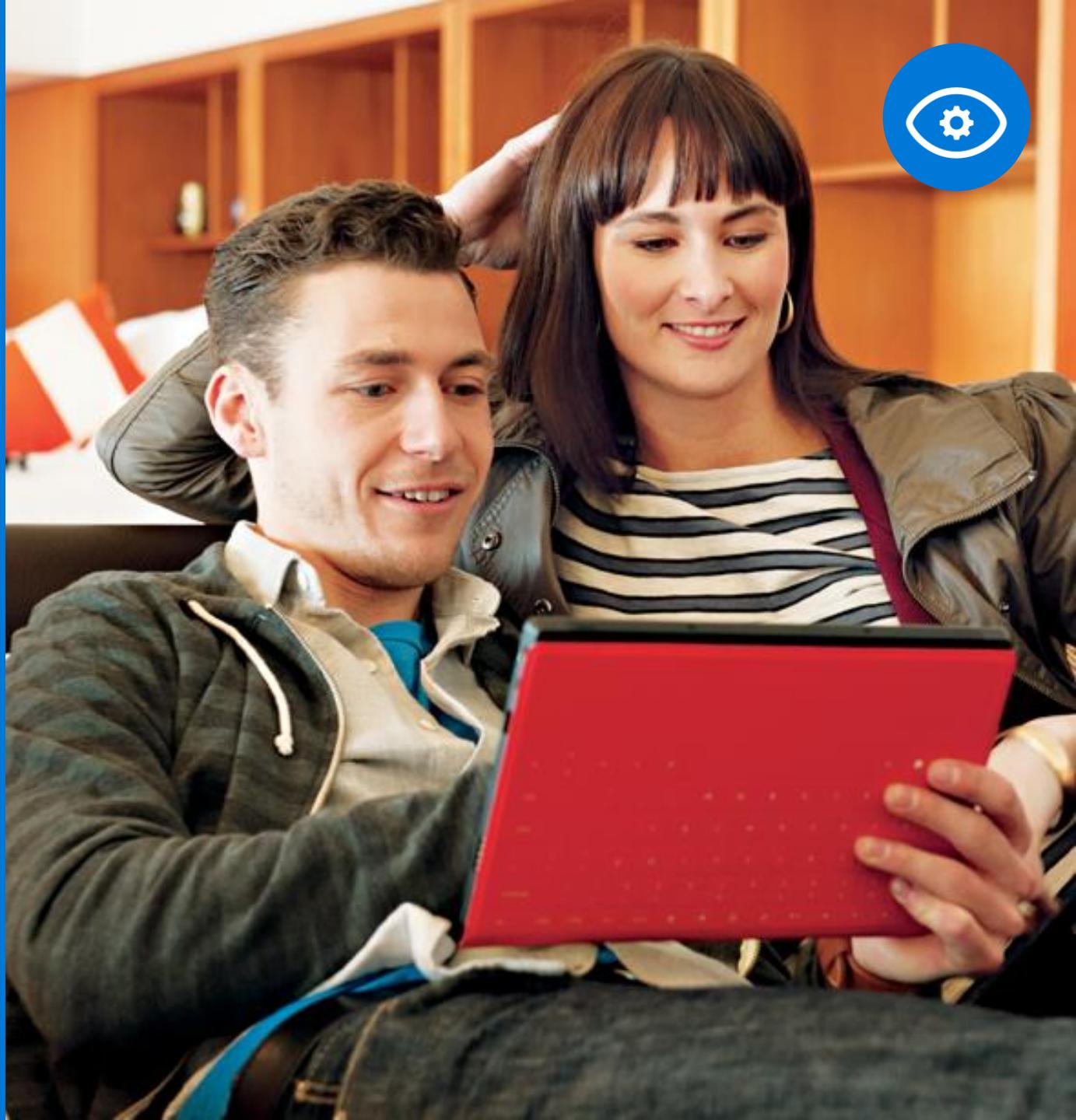
Use your labeled images to teach Custom Vision Service the concepts you want it to learn

Evaluate

Use simple REST API calls to quickly tag images with your new custom computer vision model

Active learning

Images evaluated through your custom vision model become part of a feedback loop you can use to keep improving your classifier



Custom Vision

Customize

Design your own state-of-the-art models for unique use cases

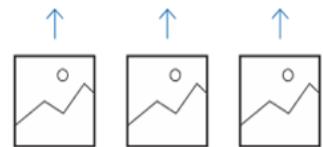
Upload

Use labeled images to quickly train and update your models

Export

Run models on a device or as a Docker container with just one click

www.customvision.ai



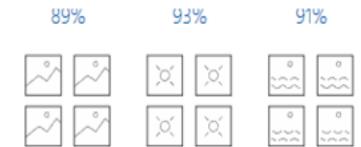
Upload Images

Bring your own labeled images, or use Custom Vision to quickly add tags to any unlabeled images.



Train

Use your labeled images to teach Custom Vision the concepts you care about.



Evaluate

Use simple REST API calls to quickly tag images with your new custom computer vision model.

Custom Vision for categorisation

Screenshot of the Microsoft Custom Vision Studio interface showing a car categorisation task.

Top Navigation: Voitures, Training Images (selected), Performance, Predictions, Train, Quick Test, Help, User Profile.

Left Sidebar: Filter, Iteration (Workspace), Tags (Tagged selected, Untagged), Showing: all tagged images, Search For Tags: (empty), Tags list (BMW 20, Ferrari 20, Mercedes 20, Peugeot 20, Renault 20, Rolls 20, Tesla 20).

Center Content: A grid of 12 car images used for training. The first image is a blue BMW sedan, the second is a grey Renault sedan, the third is a white Renault hatchback, the fourth is a silver Renault SUV, the fifth is a white Renault hatchback, the sixth is a blue Renault hatchback, the seventh is a silver Renault SUV, the eighth is a white Renault SUV, the ninth is a black Renault hatchback, and the tenth is a silver Renault hatchback.

Right Sidebar: Enter Image URL, or, Browse local files, File formats accepted: jpg, png, bmp, File size should not exceed: 4mb, Using model trained in, Iteration (Iteration 4 selected).

Predictions Panel (highlighted with a red box):

Tag	Probability
Renault	99.8%
BMW	22.4%
Peugeot	4.4%
Tesla	1.7%

Custom Vision for Object Detection



Car Driver

Training Images Performance

Filter Add images Delete Select all

Iteration Workspace

Tags Tagged Untagged

Showing: all tagged images

Search For Tags:

- Attention issue 20 ...
- Calling 20 ...
- Drinking 20 ...
- Not viewing the... 20 ...
- OK 20 ...
- Phone manipulation 20 ...

Regions Shown Undo Changes

My Objects Phone manipulat... X

Predicted Object Filter Probability Threshold: 15% ⓘ

Predictions
Predictions are shown in red

Tag	Probability
Phone manipulation	83.4%
Attention issue	64.6%
Phone manipulation	16.8%

<https://www.kaggle.com/c/state-farm-distracted-driver-detection>

Video Indexer

Unlock video insights

Upload your video and go

Start turning your video into insights right away.

Make your content more discoverable

Enhance content discovery experiences such as search results by detecting spoken words, faces, characters, and emotions

Improve engagement with your video

Metadata extracted by Video Indexer can be used to build powerful engagement experiences with recommendations, highlight clips, and interactive videos



Video Indexer – www.videoindexer.ai



Microsoft | [Video Indexer](#) | [Découvrir](#) | [Visite guidée](#) | [Tarification](#) | [Se connecter](#) | [S'inscrire gratuitement](#)

Dévoiler des insights vidéo

Extraire facilement des insights de vos vidéos et enrichir rapidement vos applications pour améliorer la détection et l'engagement

[PRISE EN MAIN](#) | [VOIR EN ACTION](#)

2019 PRODUCT of the YEAR NABSHOW

[2019 NAB Show Product of the Year Award winner](#)

PETER WAYNE GOLDEN BaM AWARDS WINNER 2018

[2018 IABM Peter Wayne Golden BaM Award® for Design and Innovation winner](#)

BaM AWARDS 2018 WINNER

[2018 BaM AWARD® winner in the Manage category](#)

Video Indexer s'appuie sur des technologies d'intelligence artificielle multimédias pour faciliter l'extraction d'insights à partir de vidéos. Propulsez de nouvelles formes de détection de contenu telles que la recherche de mots énoncés, de visages, de personnages et d'émotions. Enrichissez vos applications avec des insights vidéo incorporés pour stimuler l'engagement utilisateur.

Hear and speak to your users by filtering noise, identifying speakers, and understanding intent



Speech

Unified Speech service |
Speech to Text | Text to Speech | Speech Translation
Speaker Recognition

Baseline Speech Recognition

"Show me all flights from Pittsburgh to Boston **is directly** connecting that **Martin pitch burgh** after 7."

Custom Speech Recognition

"Show me all flights from Pittsburgh to Boston **both directed** connecting that **depart Pittsburgh** after 7 PM."

Unified Speech



Combine speech recognition, text-to-speech, customized voice models, and translation service

Speech to text

Convert continuous human speech to text that can be used as inputs

Text to speech

Convert text to audio files of natural-sounding speech

Speech translation

Use text or speech to provide translations of speech to other languages



Speaker Recognition

Speaker verification

Check if two voices are the same

Speaker identification

Identify who is speaking



Bing Speech

Voice recognition (speech to text)

Converts spoken audio to text

Voice output (text to speech)

Synthesize audio from text

Speech intent recognition

Convert spoken audio to intent



Custom Speech

Customize both language and acoustic models

Tailor speech recognition to your app and environment



Translator Speech



Facilitate end-to-end, real-time speech translations in over 60 languages

Transcribe and translate

Optimize translations for real-life conversations

Customize

Personalize speech recognition, translations, and speech-to-text to your specific domain or scenario



Mc Donald's usecase

Speech to Text to POS

Fast food giant McDonald's is using cognitive technology to convert drive-through orders to text that can be fed directly into the outlet's point-of-sale system.

<https://www.youtube.com/watch?v=KxvU5I2w210>



The screenshot shows a Microsoft Cognitive Services application window titled "Future of Order Taking". The input file is "drivethru.wav". A blue button labeled "Start Recognition" is visible. The text input field contains the order: "yes I would like 2 happy meals 01 cheeseburger and one chicken mcnuggets both with fries and apples one with a chocolate milk in one with a small orange juice". To the right, the recognized text is displayed under the heading "Order:" followed by two entries: "happy meal [n=1] [main=chburger] [side=fries,apples] [drink=choc milk]" and "happy meal [n=1] [main=mcnuggets] [side=fries,apples]".

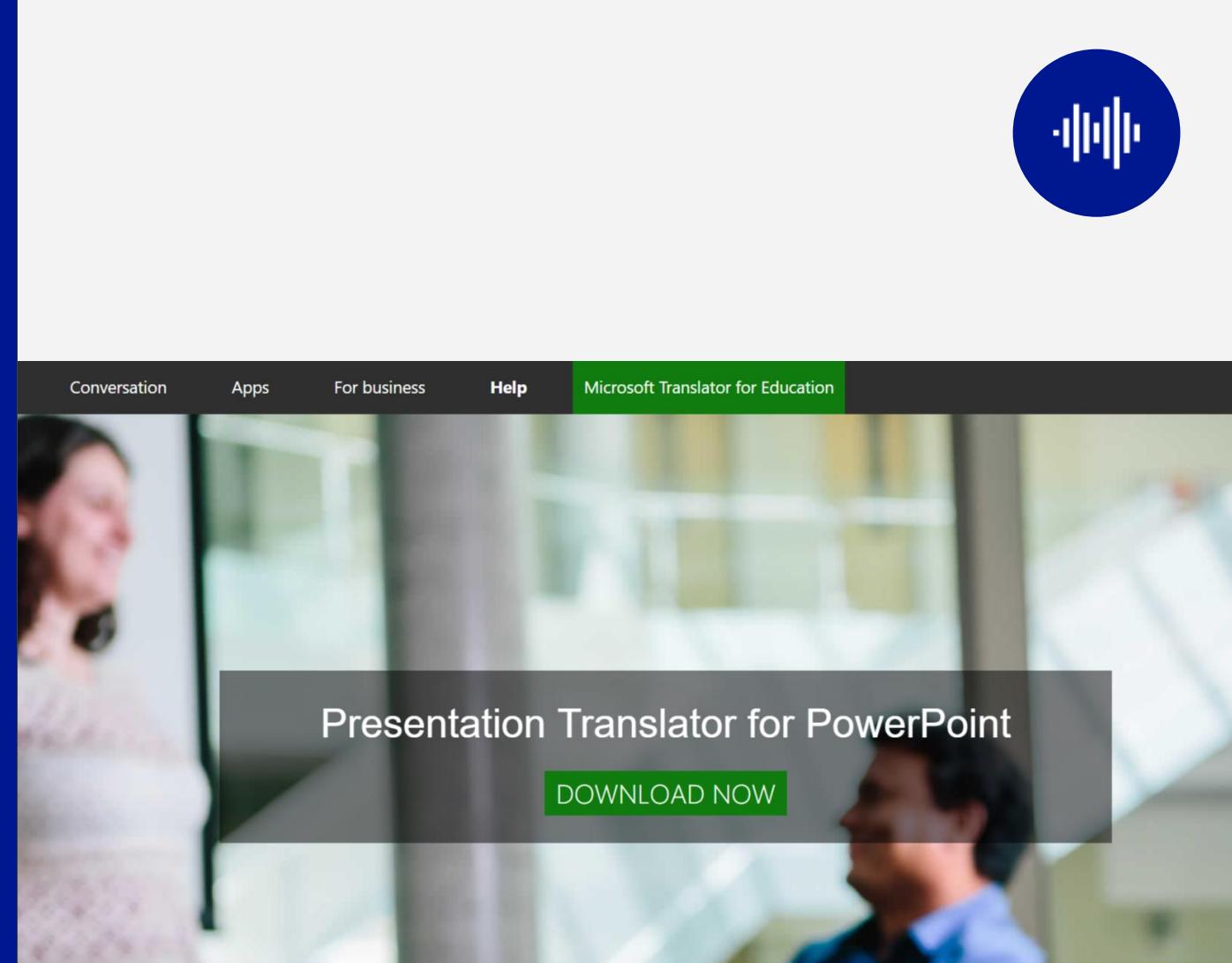
```
yes I would like 2 happy meals 01 cheeseburger and
one chicken mcnuggets both with fries and apples one
with a chocolate milk in one with a small orange juice

Order:*****
happy meal [n=1]
[main=chburger]
[side=fries,apples]
[drink=choc milk]

happy meal [n=1]
[main=mcnuggets]
[side=fries,apples]
```

Presentation Translator for PowerPoint

<https://translator.microsoft.com/help/presentation-translator/>



The screenshot shows a blurred background image of two people, a woman on the left and a man on the right, in what appears to be a professional setting like a conference room. Overlaid on this image is a dark grey rectangular box containing promotional text. At the top of the page, there is a navigation bar with links: Conversation, Apps, For business, Help, and Microsoft Translator for Education. The 'Help' link is underlined, indicating it is the active page. Inside the main content area, the text 'Presentation Translator for PowerPoint' is displayed in white, followed by a green button with the text 'DOWNLOAD NOW'.

Translator



<https://translаторmicrosoft.com>

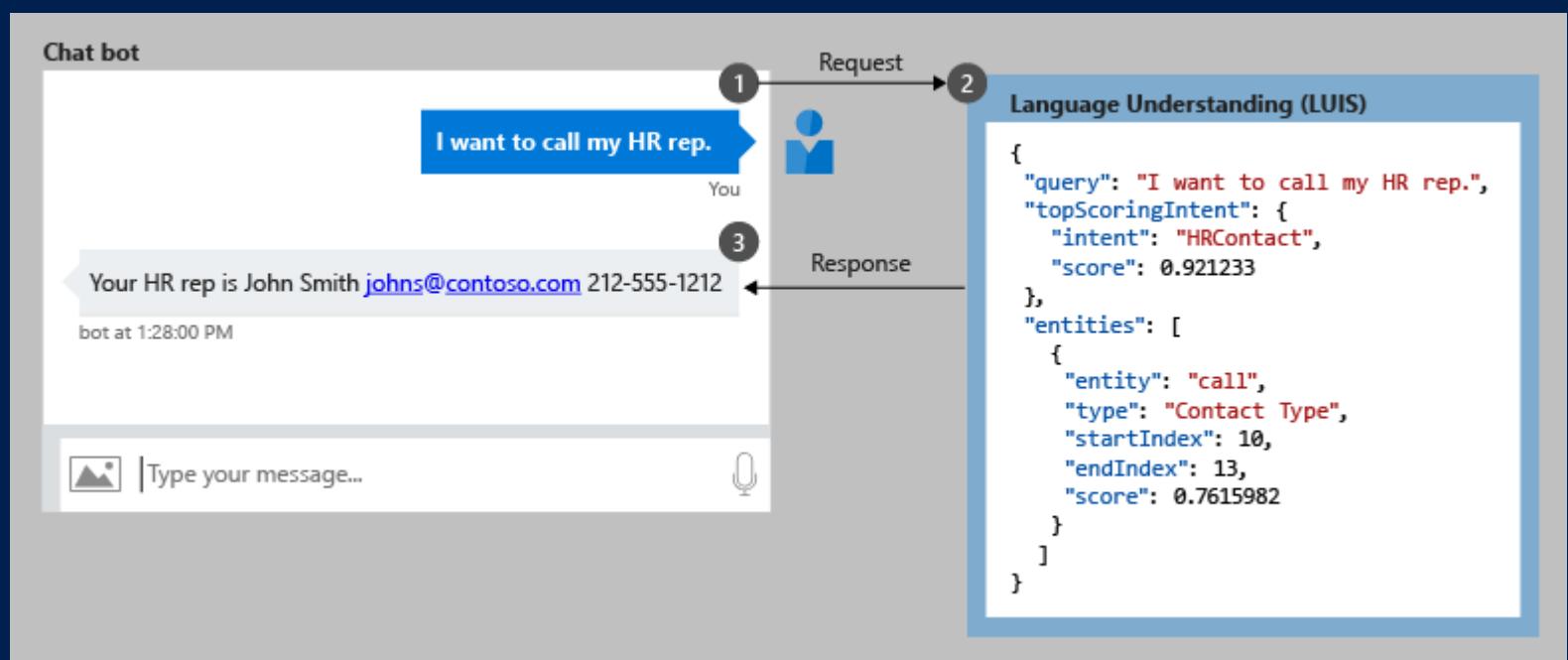
The screenshot shows the Microsoft Translator website interface. At the top, there's a navigation bar with the Microsoft logo, followed by tabs for "Translator", "Texte", "Conversation" (which is highlighted in blue), "Apps", "Pour les entreprises", and "Aide". Below the navigation bar is a blurred background image of a person in a library setting. In the center, there's a large icon of two people talking. Below the icon, the text "Brisez la barrière de la langue" is displayed, followed by a description: "Conversations traduites entre différents appareils, pour des discussions en tête-à-tête et pour des interactions en plus grands groupes." To the right, there are two buttons: "Rejoindre conversation" and "Démarrer conversation". Below these buttons, it says "Connectez-vous avec l'un des services suivants pour commencer ?" with icons for Windows, Facebook, and Google+. At the bottom right, there are links for "Confidentialité et cookies" and "Accord sur les services".

99

Language

Process text and learn how to recognize what users want

Text Analytics | Bing Spell Check | Language Understanding | Translator Text | Q&A Maker



Text Analytics



Sentiment analysis

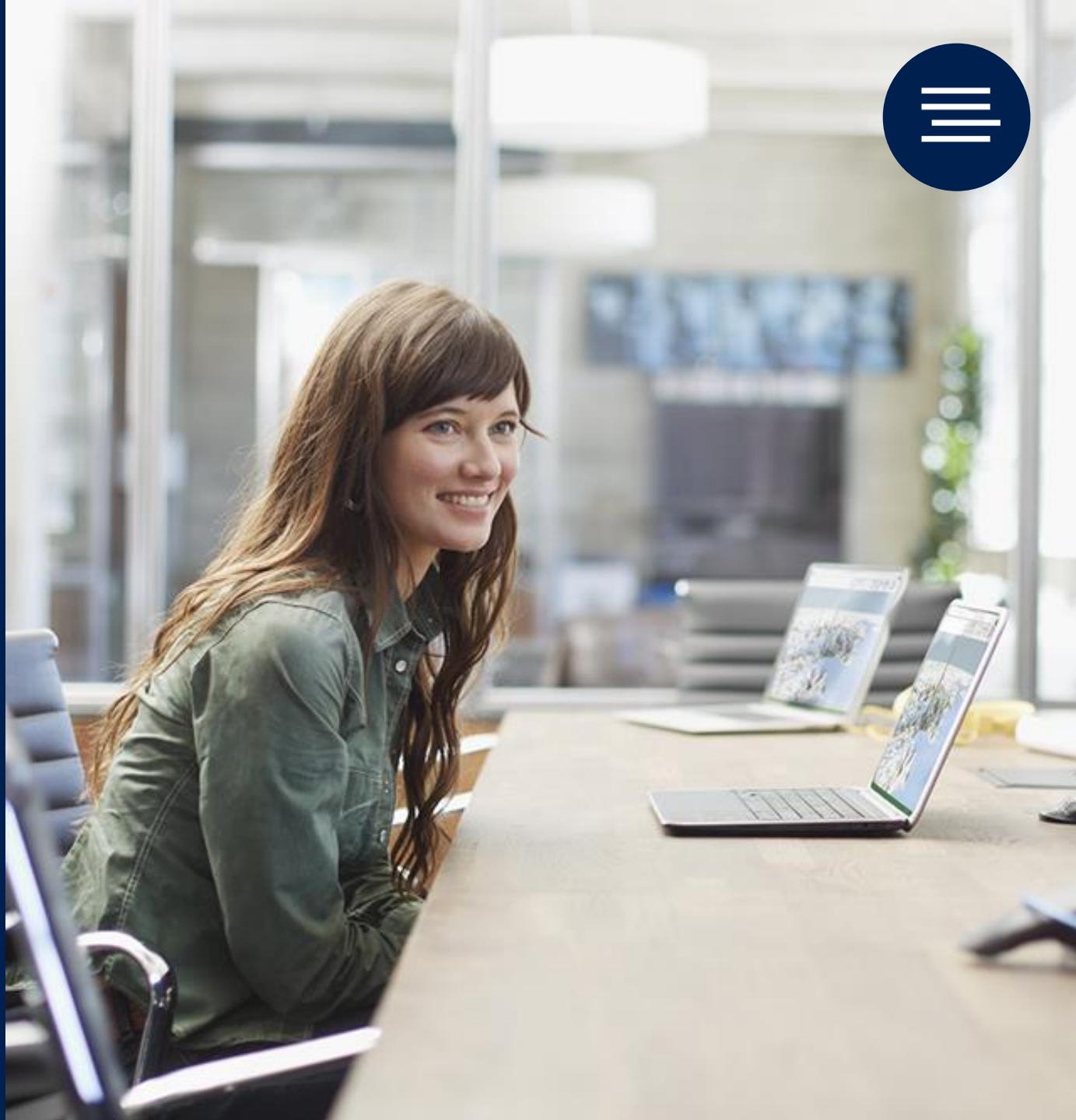
Understand if a record has positive or negative sentiment

Key phrase extraction

Extract key phrases from a piece of text, and retrieve topics

Language detection

Identify the language, 120 supported languages



Text Analytics

Analyze

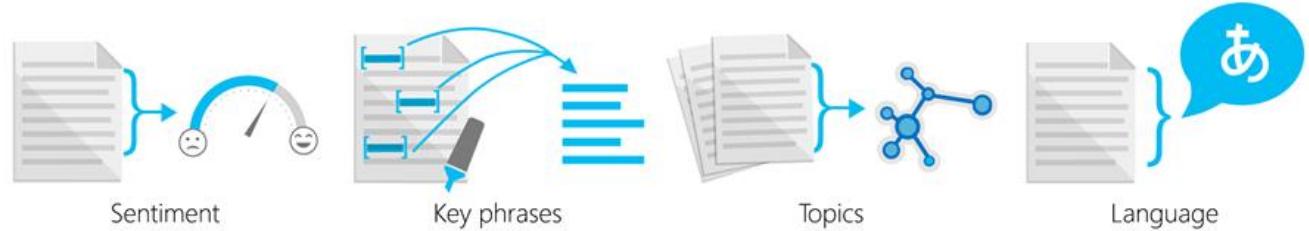
Generate a sentiment score using unique classification techniques

Detect

Return detected language and numeric scores to indicate certainty

Extract

Use Natural Language Processing to denote key talking points



I had a wonderful trip to Seattle and enjoyed seeing the Space Needle!

Analyzed text JSON

LANGUAGES: English (confidence: 100 %)

KEY PHRASES: Seattle, wonderful trip, Space Needle

SENTIMENT: 98 %

ENTITIES: Seattle [Location]
Space Needle [Location]

NAMED ENTITY RECOGNITION: I had a wonderful trip to [Seattle](#) and enjoyed seeing the [Space Needle](#)!

Analyze

Bing Spell Check

State-of-the-art cloud-based spelling algorithms

Recognizes a wide variety of spelling errors

Recognize name errors and homonyms in context

Difficult-to-spot errors that use the context of the words around them

Updates over time

Support for new brands and coined expressions as they emerge



Translator Text

Conduct real-time translation
with a REST API call

Automatic detection

Accurately detect specific languages
on any text string

Transliterate

Translate and display text
in different language alphabets

Speech translation

Build custom NTM models that better
handle writing styles and expressions



Language Understanding Intelligent Service

**Understand what
your users are saying**

Use pre-built Bing and Cortana
models or create your own



Language Understanding Models

“News about
flight delays”



```
{  
  "entities": [  
    {  
      "entity": "flight_delays",  
      "type": "Topic"  
    }  
  ],  
  "intents": [  
    {  
      "intent": "FindNews",  
      "score": 0.99853384  
    },  
    {  
      "intent": "None",  
      "score": 0.07289317  
    },  
    {  
      "intent": "ReadNews",  
      "score": 0.0167122427  
    },  
    {  
      "intent": "ShareNews",  
      "score": 1.0919299E-06  
    }  
  ]  
}
```

A large blue circle in the top right corner contains the text "{ }".

My apps

My keys

Docs

Pricing

Support

About



Pizza Bot

Version: 0.1

Settings

Dashboard

Intents

Entities

Prebuilt domains PREVIEW

Features

Train & Test

Publish App

[← Back to App list](#)

Test your application

Use this tool to test the current and published versions of your application, to check if you are progressing on the right track ... [Learn more](#)

Train Application

Last train: Jan 18, 2017 2:41:01 PM | Last publish: Jan 18, 2017 2:41:25 PM

[Interactive Testing](#) [Batch Testing](#) Enable published model

Type a test utterance & press Enter

i'd like a [\$Size] pie with [\$Toppings]

i need a [\$Size] pizza with [\$Toppings] and tomatoes

i need a [\$Size] pizza

Labels view (Ctrl+E) Entities Reset console

Current version results

Top scoring intent
Order-Pizza (0.88)

Other intents
None (0.06) Cancel (0)

QnA Maker

Build, train, and publish simple question and answer bots

QnA extraction

Use existing content to respond to users naturally

Expanded response

Integrate with other APIs to expand question interpretations

Train and improve

Add and remove QnA pairs to improve your bot's knowledge



QnA Maker

Update

Manage knowledge base content and settings

Analyze

Monitor analytics and feedback

Publish

Deploy endpoint in a bot

Test

Verify query matching ranking

Who should use QnAMaker?



Answer:

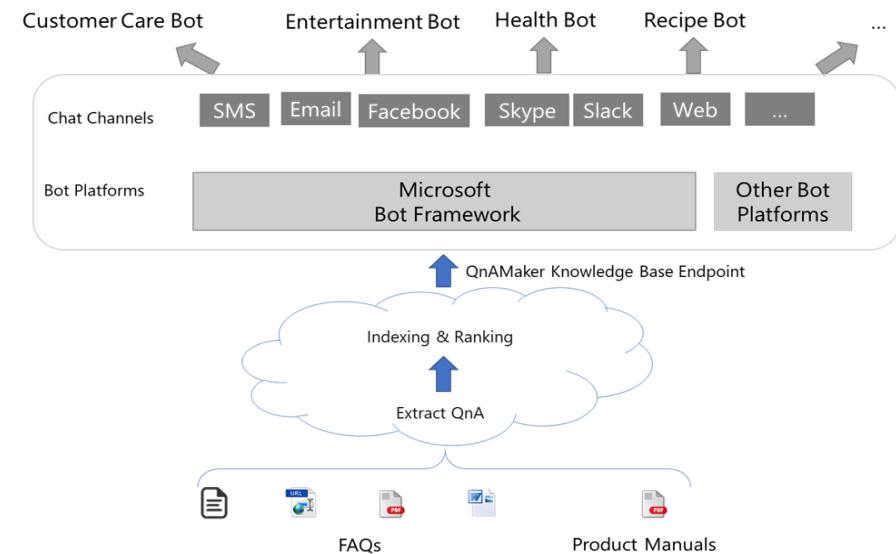
QnA Maker provides an FAQ data source that you can query from your bot or application. Although developers will find this useful, content owners will especially benefit from this tool. QnA Maker is a completely no-code way of managing the content that powers your bot or application.

Score:

100

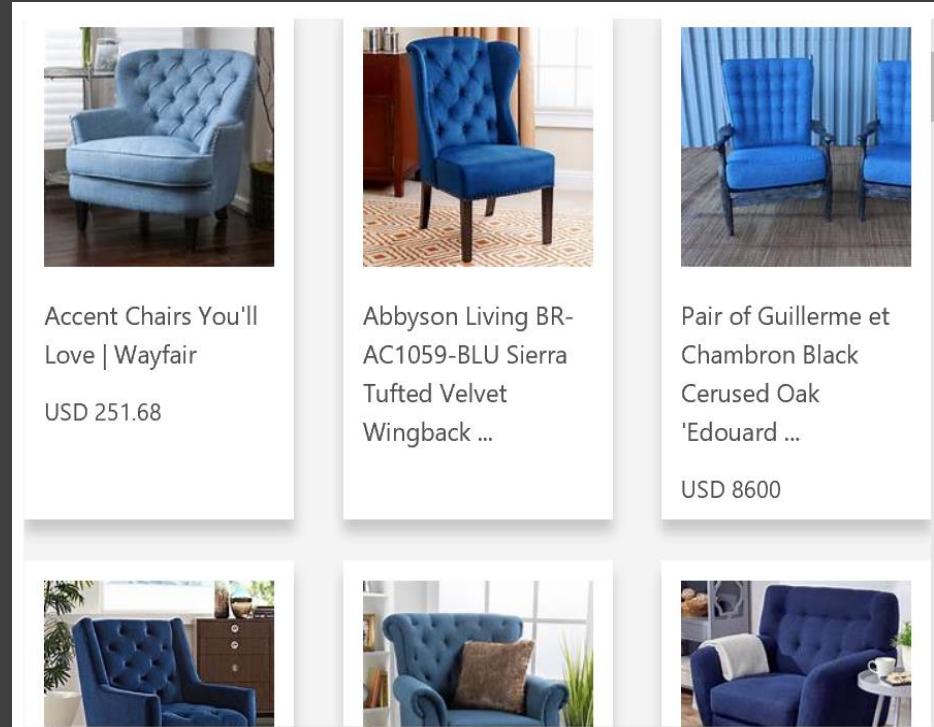
Matched questions:

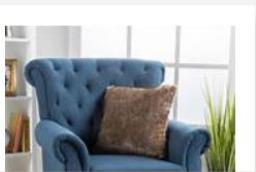
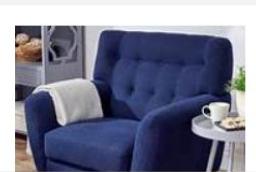
- who is the target audience for the qna maker tool
- who should use qnamaker



Access billions of web pages, images, videos, and news with the power of Bing APIs

Bing Web Search | Bing Custom Search | Bing Video Search |
Bing Image Search | Bing Visual Search | Bing Entity Search |
Bing News Search | Bing Autosuggest | Bing Statistics add-in

A grid of six images showing different styles of blue upholstered chairs, likely results from a search query.

 Accent Chairs You'll Love Wayfair USD 251.68	 Abbyson Living BR-AC1059-BLU Sierra Tufted Velvet Wingback ...	 Pair of Guillerme et Chambron Black Cerused Oak 'Edouard ... USD 8600
		

Bing Web Search

Quickly narrow your search results by market, freshness, result type, search category, and more

Submit a customized query to return the most accurate results for your location

SDOT Bike Web Map - Transportation | seattle.gov
www.seattle.gov/transportation/projects-and-programs/programs/bike...
From in-street Sharrows to fully separated Protected Bike Lanes and Multi-Use Trails, ... Seattle Department of Transportation PO Box 34996 Seattle, WA 98124-4996

Name "Online Bicycle Map",

URL "<http://www.seattle.gov/transportation/projects-and-programs/programs/bike-program/online-bike-map>"

Date Accessed: "2018-05-19T07:32:00Z",

About "Transportation in Seattle"

seattle bike trails 

Market

en-us (English-United States)

SafeSearch

Strict

Freshness

(unspecified)

SDOT Bike Web Map - Transportation | seattle.gov

www.seattle.gov/transportation/projects-and-programs/programs/bike...

From in-street Sharrows to fully separated Protected Bike Lanes and Multi-Use Trails, ... Seattle Department of Transportation PO Box 34996 Seattle, WA 98124-4996

Seattle Bike Trails - Seattle Outdoors Information ...

www.seattleoutdoorsinfo.com/.../seattle-biking/seattle-bike-trails

Current information about hiking, camping, biking, winter sports, and just about anything that involves exploring the Pacific Northwest, with special focus on Seattle.

Seattle Trails & Detailed Trail Maps | TrailLink.com

<https://www.traillink.com/city/seattle-wa-trails>

Looking for the best trails around Seattle? Find the top rated trails in Seattle, whether you're looking an easy walking path or a long bike trail, you'll find what you're looking for. Click on a trail below to find trail descriptions, trail maps, photos, and reviews ...

Seattle , WA Bike Trails - Maps of Bike Routes in Seattle , WA

www.mapmyride.com/us/seattle-wa

Find over 26366 bike trails in Seattle . Cycling routes, maps, events, races, & club rides in Seattle , WA. Track & analyze your rides with MapMyRIDE!

WSDOT - Maps of Local Bicycle Paths and Accessible Trails

<https://www.wsdot.wa.gov/bike/localmaps.htm>

Bing Custom Search

Identify

Utilize past search history to pinpoint on-topic or relevant sites and images

Provide

Expand the scope of search domains to define automatic query and search suggestions

Apply

Use Bing rankings to help users achieve the best automated results

Deliver

Add intelligent query suggestions and adjust search parameters to deliver relevant results and access unique usage insights

Custom Config

All

new movies



New Movies in Theaters | Moviefone

<https://www.moviefone.com/new-movie-releases>

Movie, TV, and pop culture fun for the whole family.

New Movies, Movie Trailers, TV, Digital, Blu-ray & Video ...

www.comingsoon.net

Check out the latest new movies coming soon to theaters & video games to come to market. Read latest buzz & watch exclusive trailers!

Snagfilms on the App Store - itunes.apple.com

<https://itunes.apple.com/us/app/snagfilms/id404906625>

Watch FREE FULL-LENGTH Movies and TV Shows streamed to your iPhone or iPad ! Over 5,000 independent movies, TV shows and documentaries. Over a dozen categories from adrenaline-filled action-adventure films to hilarious comedy and critically acclaimed documentaries.

Free Movies - Apps on Google Play

<https://play.google.com/store/apps/details?id=freemoviesapp.com>

Free Movies application connects you do a database of over 5,000 movies you can watch on your Android smartphone / tablet computer for free ... New ...

Get Movies & TV - Microsoft Store

<https://www.microsoft.com/en-us/store/p/movies-tv/9wzdncrfj3p2>

Download this app from Microsoft Store for Windows 10, Windows 8.1, Windows 10 Mobile, Windows Phone 8.1, Windows Phone 8, HoloLens, Xbox One. See screenshots, read the latest customer reviews, and compare ratings for Movies & TV.

Market

en-us (English-United States)

SafeSearch

Strict

Bing Video Search

Search results provide useful metadata including creator, encoding format, video length, view count, video description, and simplified paging

Video



Publish Date
"2016-09-20T20:09:26",

Description
"Cats are awesome, and super funny too! Who doesn't like cats and kittens? They make us laugh and happy!"

Content Creator
"Tiger Productions"

Publisher
"YouTube"

Market

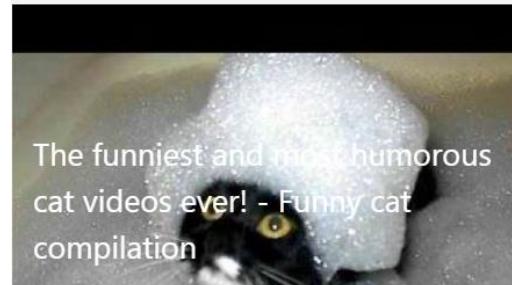
en-us (English-United States)

SafeSearch

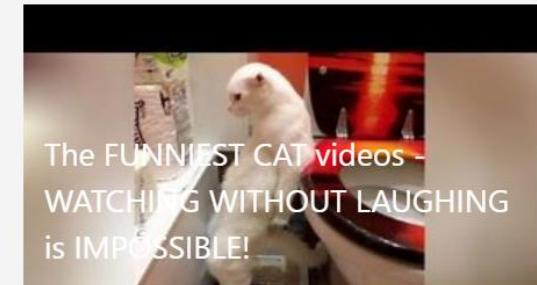
Strict

Freshness

(unspecified)



The funniest and most humorous
cat videos ever! - Funny cat
compilation



The FUNNIEST CAT videos -
WATCHING WITHOUT LAUGHING
is IMPOSSIBLE!



NINJA CATS! There's absolutely
NOTHING MORE FUNNY! -
Impossible TRY NOT TO LAUGH
compilation



CRAZY CATS vs PAPER, get ready
for SUPER LAUGHING! - Funny
CAT VIDEOS



Are ORANGE CATS the FUNNIEST
CATS? - Super FUNNY
COMPILATION that will make you
DIE LAUGHING

Bing Image Search

Discover new sorting and filtering options that simplify specific results and include thumbnails, full image URLs, publishing info, and image metadata

**Name**

"Desktop HD Wallpapers: 3D Nature Wallpapers",

Date Published

"2012-12-03T12:00:00",

Content Size

"595588 B",

Width 1600,

Height 914,

nature wallpapers

**Market**

en-us (English-United States)

SafeSearch

Strict

Freshness

(unspecified)

Bing Visual Search

Enhance

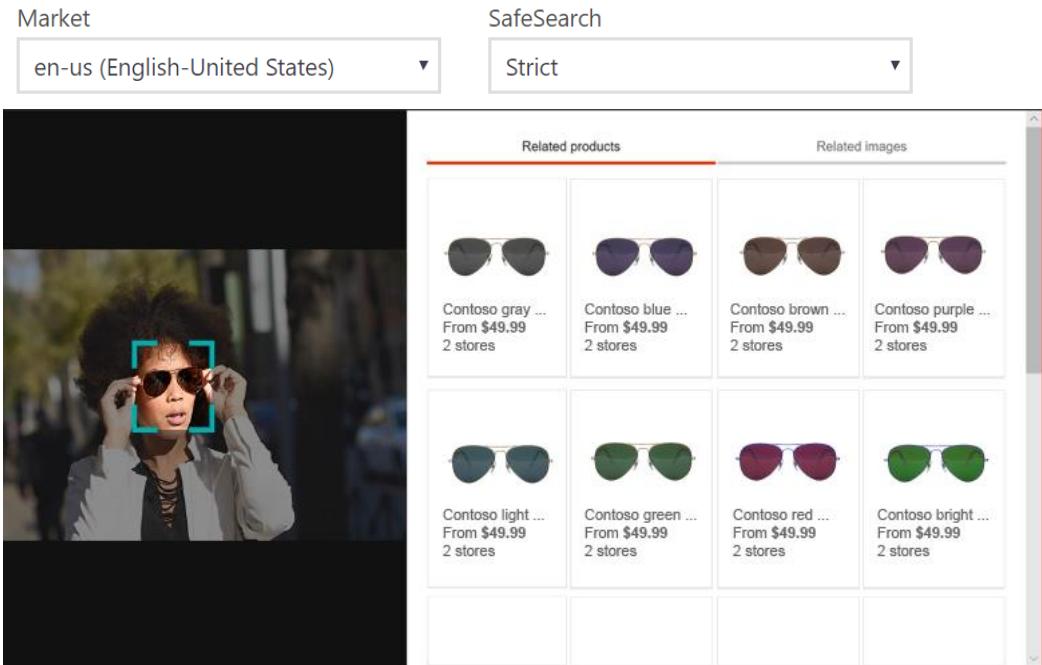
Create compelling recommendations using visually similar images

Add

Integrate any image source to get intelligent search annotations and information

Augment

Extract textual information and read text in images for improved search results

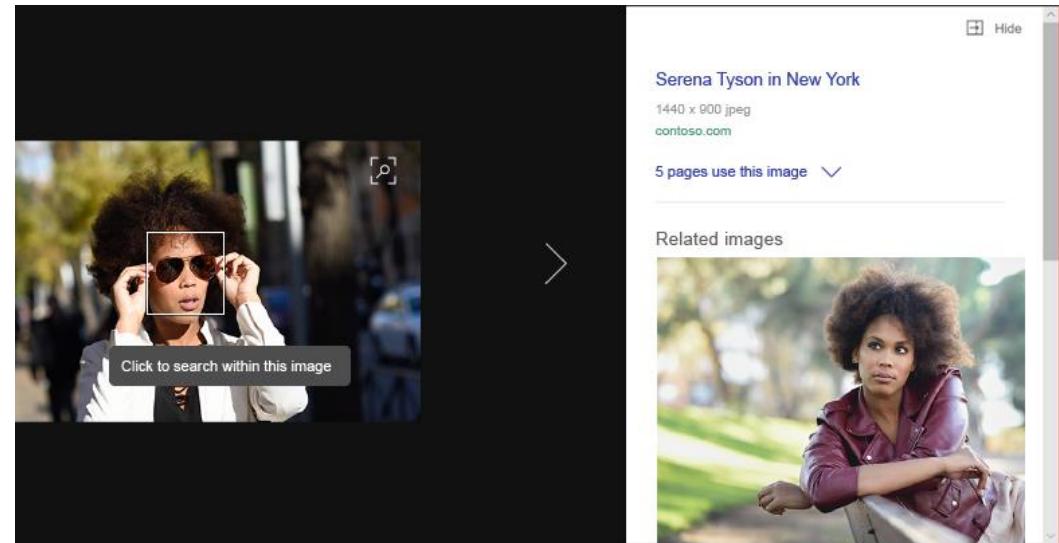


The screenshot shows the Bing Visual Search interface. At the top, there are dropdown menus for 'Market' set to 'en-us (English-United States)' and 'SafeSearch' set to 'Strict'. Below the interface is a large image of a person wearing sunglasses. A blue bounding box highlights the sunglasses area. To the right of the image, there are two tabs: 'Related products' (which is selected) and 'Related images'. Under 'Related products', there are four items listed:

Product Name	Price Range	Stores
Contoso gray ...	From \$49.99	2 stores
Contoso blue ...	From \$49.99	2 stores
Contoso brown ...	From \$49.99	2 stores
Contoso purple ...	From \$49.99	2 stores

Below these are four more items under 'Related images':

Image Type	Product Name	Price Range	Stores
Sunglasses	Contoso light ...	From \$49.99	2 stores
Sunglasses	Contoso green ...	From \$49.99	2 stores
Sunglasses	Contoso red ...	From \$49.99	2 stores
Sunglasses	Contoso bright ...	From \$49.99	2 stores



The screenshot shows the Bing Visual Search interface for an image of a person. At the top right, there are buttons for 'Hide' and 'More info'. Below the image, there is descriptive text: 'Serena Tyson in New York', '1440 x 900 jpeg', and 'contoso.com'. There is also a link '5 pages use this image'. On the right side, there is a section titled 'Related images' which shows a smaller version of the same image.

Bing Entity Search

Identify

Detect the most relevant entity based on searched terms

Augment

Improve the user experience and provide primary details about searched entities

Showcase

Present local or relevant businesses and locations for a more engaging experience

Query
Coffee 98004
Search Type
Restaurant
Address Locality
Bellevue
Address Region
WA
Postal Code
98004

The screenshot shows a search bar at the top with the query "Coffee 98004". Below the search bar, there are three search results listed:

- Third Culture Coffee**
<https://thirdculturecoffee.com/>
Bellevue, WA, 98004;
(425) 230-3660
Categories: Place, LocalBusiness, Restaurant
[See more on Bing >](#)
- Honor Coffee**
<http://www.honorcoffee.com/>
Bellevue, WA, 98004;
(425) 598-2185
Categories: Place, LocalBusiness, Restaurant
[See more on Bing >](#)
- Starbucks**
<http://www.starbucks.com/>
Bellevue, WA, 98004;
(425) 637-6513
Categories: Place, LocalBusiness, Restaurant
[See more on Bing >](#)

On the right side of the interface, there are several optional parameters set for the search:

- Market: en-us (English-United States)
- Optional parameters: (empty)
- Latitude: 37.77
- Longitude: -122.4194
- Radius (meters): 5000

Bing News Search

Results include rich detail like authoritative image of articles, provider info, article URL, and date published

Return results can be customized to the location or market of the user

Simplify findings with sorting and filtering options for trending news and other topics

science updates 

Market: en-us (English-United States) ▾

SafeSearch: Strict ▾

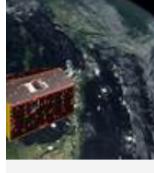
Freshness: (unspecified) ▾



[CHSE Odisha +2 Science result declared; 76.98% students pass the exam](#)
School and mass education minister Badri Narayan Patra releasing plus two science results at council of higher secondary education here on Saturday. Live updates 96,185 students have enrolled for the Plus Two examination 95096 studetns have appeared and ...



[Elon Musk updates the public on Boring Company and it's amazing](#)
Los Angeles - The hottest ticket in Los Angeles Thursday night was not a movie premiere - It was a seat in a synagogue to hear a tech CEO update people on a venture literally called the Boring Company. About 750 people were lucky enough to get a seat at ...



[Update: Launch coverage of Earth-observing satellites](#)
Briefing participants will be: David Jarrett, GRACE-FO program executive in the Earth Science Division at NASA Headquarters Frank Webb, GRACE-FO project scientist at NASA's Jet Propulsion Laboratory Frank Flechtner, GRACE-FO project manager at GFZ Phil ...



[NASA program to track greenhouse gas is canceled \(Update\)](#)
The end of the program—called the Carbon Monitoring System (CMS)—which tracked sources and sinks for carbon and made high-resolution models of the planet's flows of carbon —was first reported by the journal Science. "Now, President Donald Trump's ...



[APS Celebrates Science of Light with Art](#)
In honor of the role of light in science, culture, and life itself, the United Nations Education, Scientific and Cultural Organization (UNESCO) has declared 2015 the International Year of Light and Light-based Technologies.

Bing Autosuggest

Populate

Use drop-down lists to suggest queries based on past search history

Narrow

Return detailed contextual suggestions to quickly find preferred search items

Discover

Find, troubleshoot, and diagnose problems quickly

A screenshot of a search interface. In the top left is a search bar containing the partial query "seatt". To the right of the search bar is a magnifying glass icon. Below the search bar is a list of suggested completions for the query:

- seattle
- seattle mariners
- seattle times
- seattle seahawks
- seattle weather
- seattle airport
- seattlepi
- seattle craigslist



Leverage these services that enable informed and efficient decision-making

Content Moderator | Anomaly Detector | Personalizer



Decision

Content Moderator

Machine-assisted moderation of text and images, augmented with human review tools

Image moderation

Machine-learning based classifiers, custom blacklists, and Optical Character Recognition (OCR)

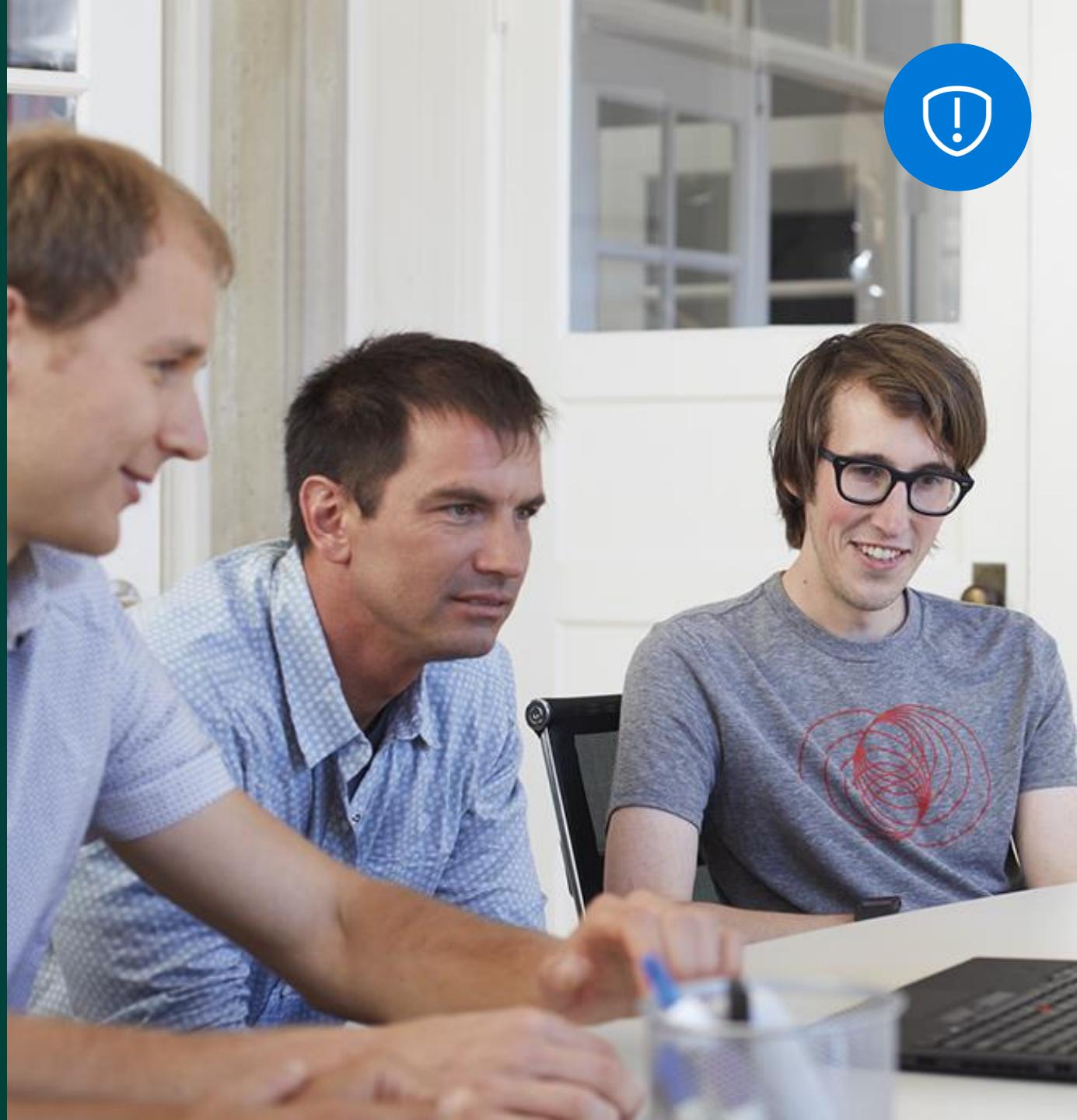
Text moderation

Helps you detect potential profanity in more than 100 languages and match text against your custom lists automatically.

Identification of possible Personally Identifiable Information (PII)

Video moderation (in Azure Media Services)

Scoring of possible adult content in videos.
Video moderation is currently deployed in preview on Azure Media Services



Anomaly Detector

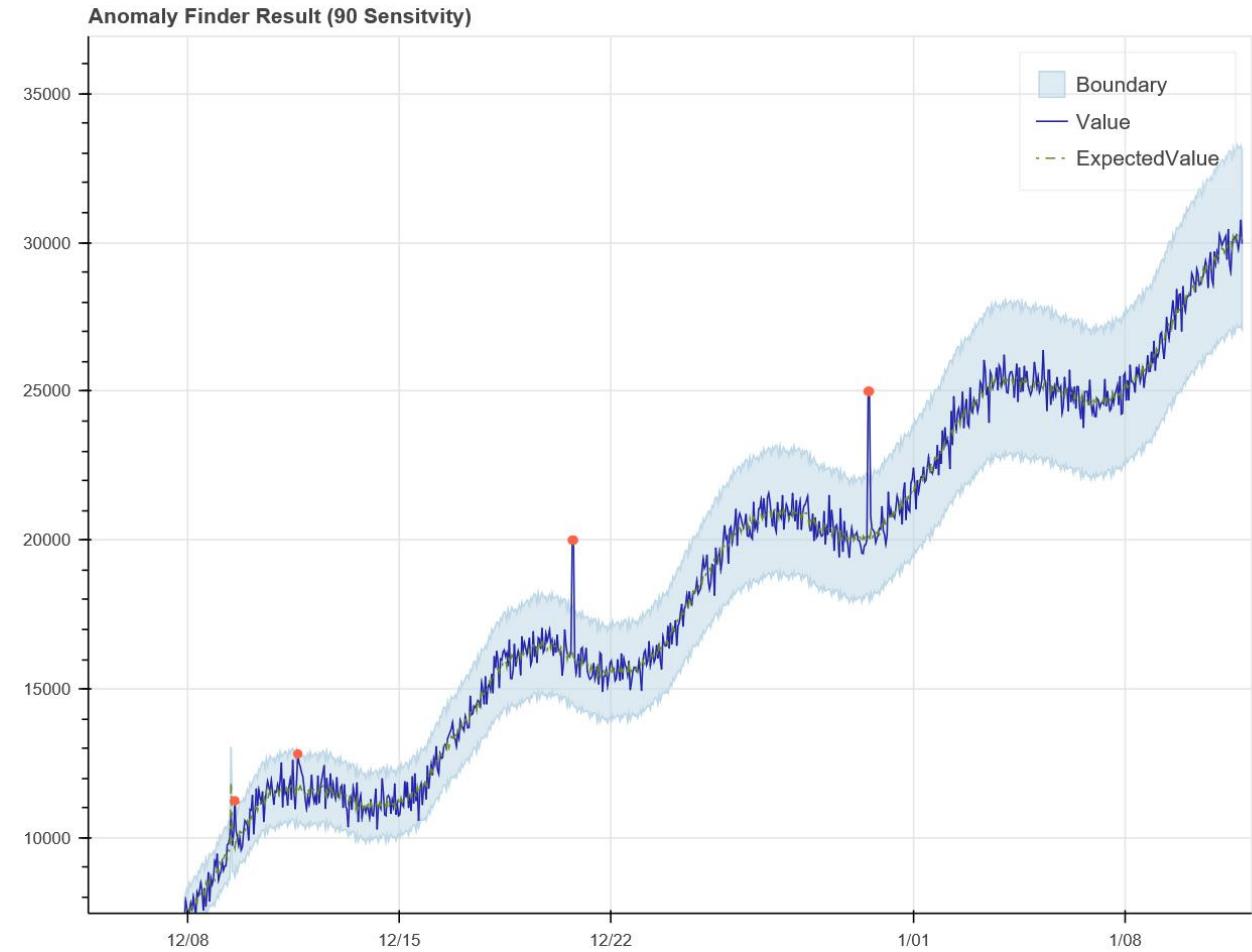
An AI service that helps you foresee problems before they occur ([preview](#)):

Powerful inference engine looks at your time-series data set and automatically selects the right algorithm to maximize accuracy for your scenario.

Automatic detection eliminates the need for labeled training data. Save time and stay focused on fixing problems as soon as they surface.

Customizable settings let you fine-tune sensitivity to potential anomalies based on your business's risk profile.

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



Personalizer

An AI service that delivers a personalized user experience (**preview**):

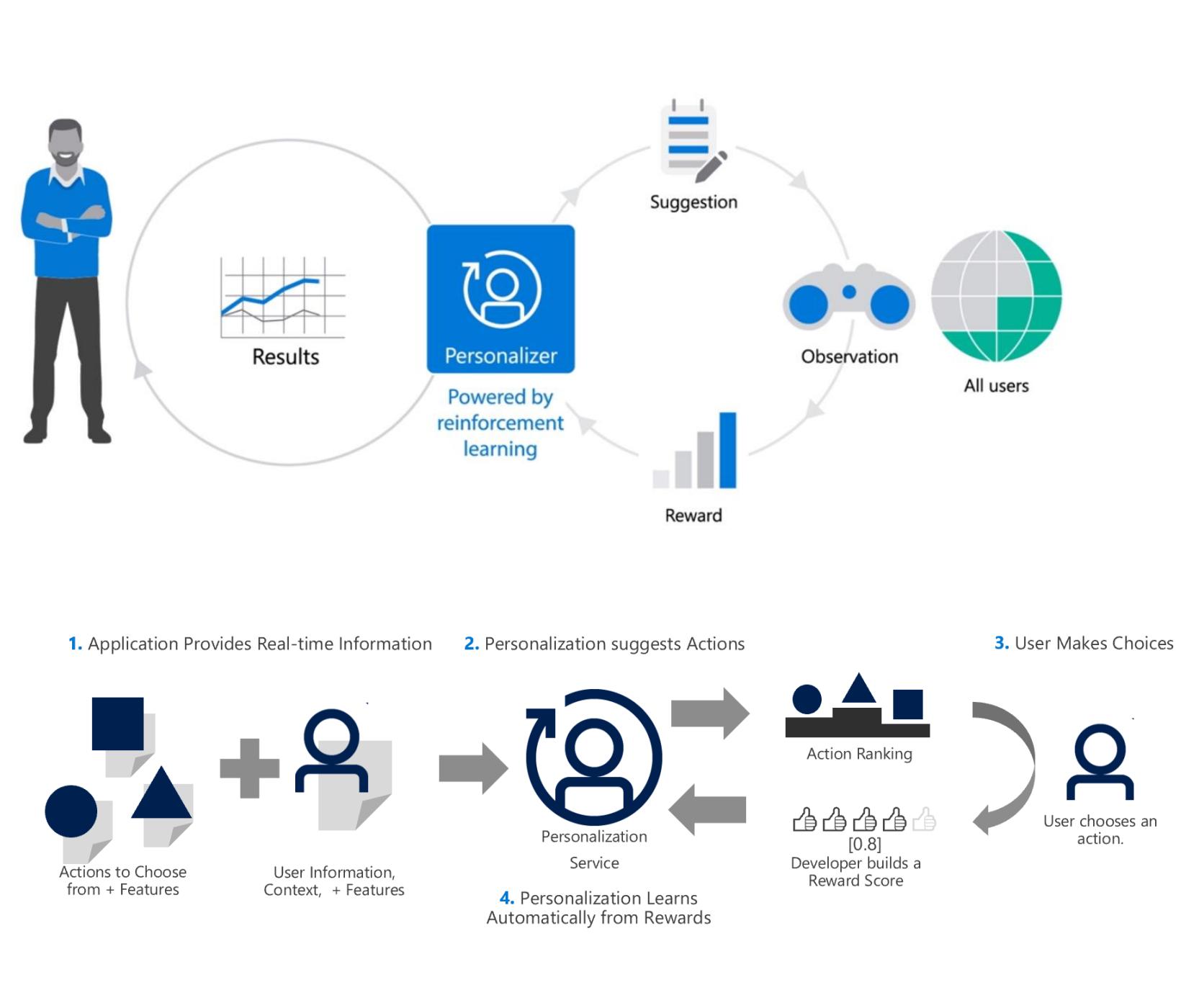
Personalized experiences in your apps

No machine-learning expertise required

Available on-premises or in Azure

User-friendly interface to easily manage the reinforcement-learning loop

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



Seeing AI – Application iOS

<https://www.microsoft.com/en-us/ai/seeing-ai>



Introducing Seeing AI

Hear a brief overview of the Seeing AI app.

▷ [Play video about Seeing AI app](#)



Short Text Demo

Learn how to instantly hear short snippets of text.

▷ [Play video about Short Text](#)



Document Demo

A guide on how to make the most of the Document channel.

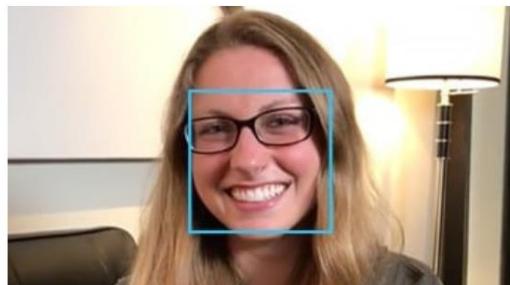
▷ [Play Document channel video](#)



Product Recognition Demo

Listen to audio cues to locate barcodes and identify products.

▷ [Play Product channel video](#)



Person Demo

Learn how to use Seeing AI to engage with people around you.



Scene Demo

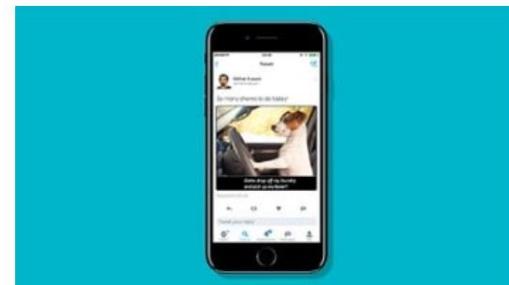
Learn more about this experimental channel that describes what's in front of you.



Currency Demo

A guide for using the app to read currency bills.

▷ [Play Currency channel video](#)



Recognize Images In Other Apps

Describe images in your photo gallery and other apps including Mail, Twitter, WhatsApp and more.



Language Understanding

Microsoft Cognitive Services Language Understanding interprets human language and understands the intent. Type in a custom intent or try one of the predefined ones to affect the house.

[Try it out >](#)

Text Analytics

Microsoft Cognitive Services Text Analytics API determines the sentiment of your message, typed or spoken. Try it out and see if the message is positive, negative, or neutral.

[Try it out >](#)[Learn to code](#)

Computer Vision

Computer Vision can extract rich information from images to categorize and process visual data and perform machine-assisted moderation of images to help curate your services.

[Try it out >](#)

Video Indexer



AI Route Planner



Machine Teaching

AI Demos
<https://aidemos.microsoft.com>

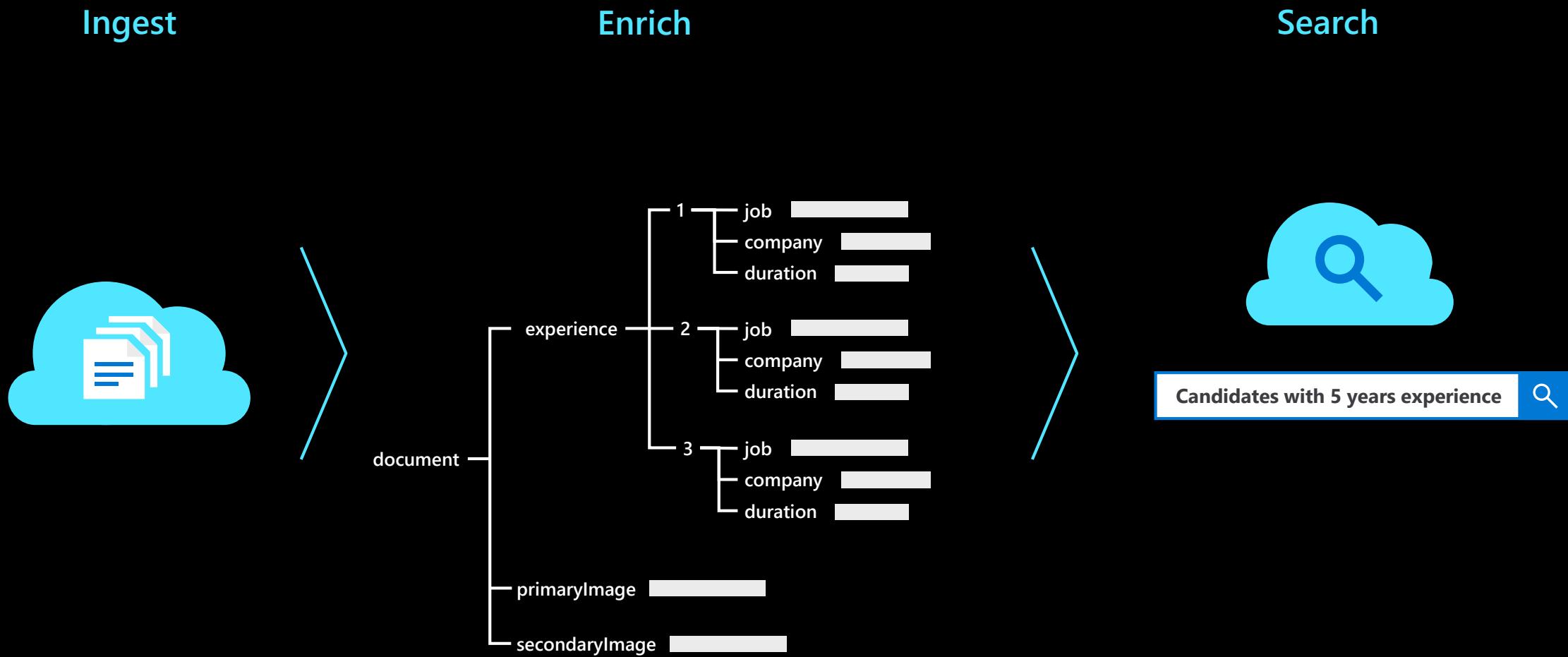
Démonstration

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

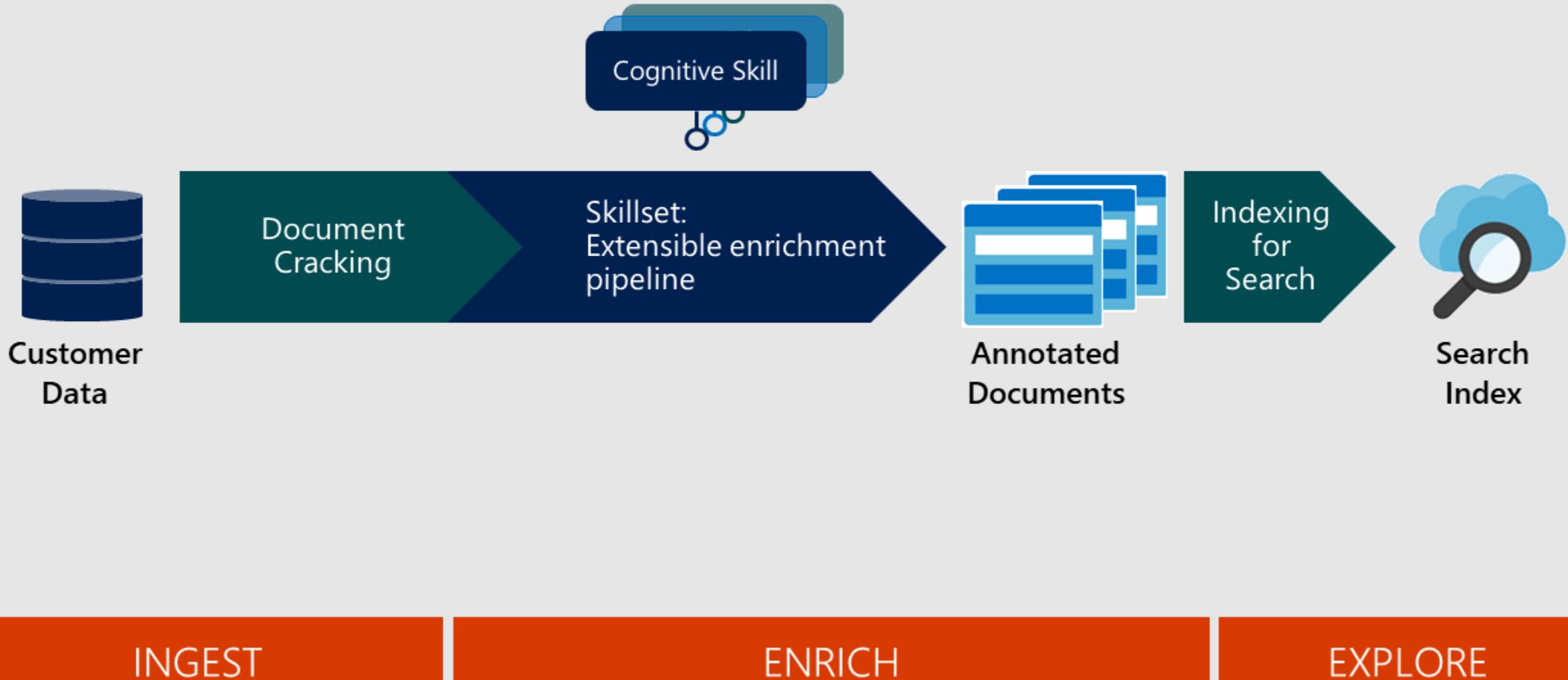
Azure Cognitive Search



Knowledge mining with Azure Cognitive Search



Azure Search Enrichment Pipeline



The Azure Cognitive Search Difference

Extract value from a wide range of structured and unstructured content and apply it to your website, application, or business solution



Effortlessly Implemented

Effortlessly implement a best-in-class search engine



Easily Integrated

Easily and quickly integrate AI



Readily Customizable

Customize to your unique business needs



Secure

Stay confident with a secure and compliant foundation

Effortlessly Implemented

Start, Maintain and Scale with limited investment.



EFFORTLESSLY
IMPLEMENTED



EASILY
INTEGRATED



READILY
CUSTOMIZABLE

The screenshot shows the 'Import data' blade in the Azure portal. It displays a list of supported data sources including MySQL, PostgreSQL, MongoDB, and others. A search bar at the top allows users to filter results. Below the list, there's a note: 'Create and load a search index using data from an existing main data source in your environment. Azure Search uses the data structure you provide, which is available for indexing and querying.' A 'Next: Add cognitive search fields?' button is visible at the bottom.



Ingest structured and unstructured data + easily pull from Azure Data stores

The screenshot shows the 'Add field' blade for configuring an index. It lists fields such as 'content', 'highlighter', 'is_mutable', 'is_stored', 'is_tracking', 'is_updatable', and 'name'. Each field has dropdown menus for selecting data type and mapping to specific database columns. A 'Next: Add content' button is at the bottom.



Quickly configure, no coding required

The screenshot shows the 'AVAILABLE JOBS' search results page. It features a map of New York City with job locations marked. Below the map is a table with columns for 'BASIC TITLE', 'LOCATION', and 'JOBSITE'. A search bar at the top allows users to filter results by keyword. A 'SEARCH' section below the map shows filters for 'BASIC TITLE' and 'LOCATION'.



Rich search features, out-of-the-box

The screenshot shows the 'Indexes' tab for the 'azblob-index' index in the Azure portal. It displays various settings and metrics. On the left, there are sections for 'Access control (IAM)', 'Tags', and 'Diagnose and solve problems'. On the right, there are tabs for 'Usage', 'Monitoring', 'Indexes', 'Indexers', 'Data sources', and 'Skillsets'. Under the 'Indexes' tab, there are sections for 'NAME', 'DOCUMENT COUNT', and 'Monitoring'.



Easily scale and maintain

Easily Integrated

With just one-click enable cognitive skills and extract more knowledge from your data.



EFFORTLESSLY
IMPLEMENTED



EASILY
INTEGRATED

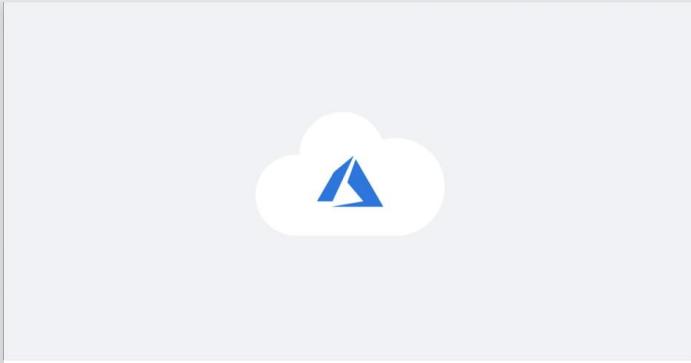


READILY
CUSTOMIZABLE



Vision

OCR, Image analysis, Tag extraction



Language

Key phrase extraction, Language detection, Sentiment analysis, Entity recognition



Orchestration

Text manipulation, Custom skills, Knowledge store



Readily Customizable

Optimize your search experience by integrating your own data to create custom models and classifiers that feed into Cognitive Search.



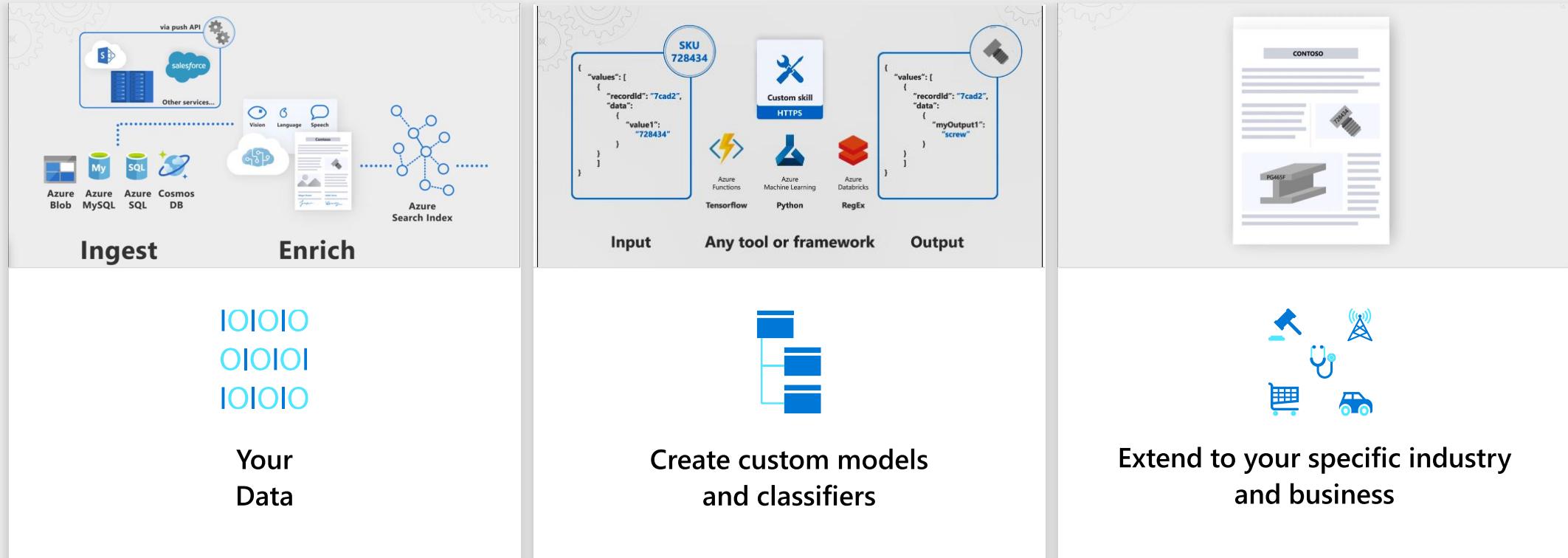
EFFORTLESSLY
IMPLEMENTED



EASILY
INTEGRATED



READILY
CUSTOMIZABLE



Effortlessly Implemented

Start, Maintain and Scale with minimal investment.



EFFORTLESSLY
IMPLEMENTED



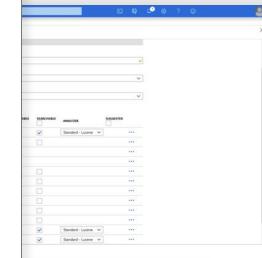
EASILY INTEGRATED



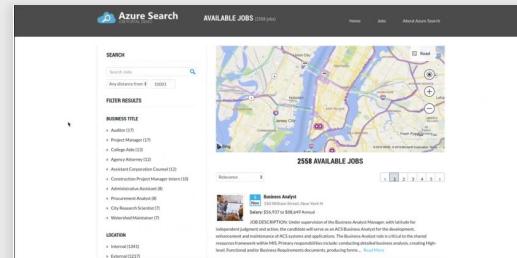
READILY
CUSTOMIZABLE



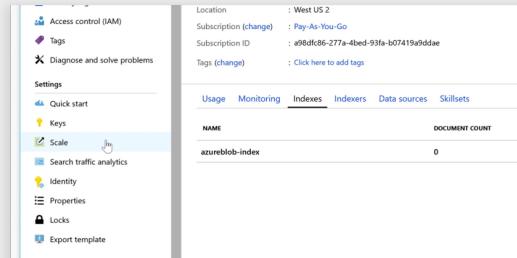
Ingest structured and
unstructured data + easily pull
from Azure Data stores



Configure, no
code required



Rich search features,
out-of-the-box



Easily scale and
maintain

Effortlessly Implemented

Start, Maintain and Scale with minimal investment.



EFFORTLESSLY
IMPLEMENTED



EASILY
INTEGRATED



READILY
CUSTOMIZABLE

The screenshot shows the 'Import data' step in the Azure portal. A table lists fields such as 'content', 'metadata_storage_content_type', and 'people'. Each field has a dropdown menu for setting properties like 'RETRIEVABLE', 'FETCHABLE', 'SORTABLE', 'INDEXABLE', 'SEARCHABLE', 'ANALYZER', and 'SUGGESTER'. The 'content' field is set to 'Edm.String' and 'SEARCHABLE'. The 'people' field is set to 'Collection<Edm.String>' and 'INDEXABLE'.

Ingest structured
unstructured data +
from Azure Data

Quickly configure, no
coding required



The screenshot shows the 'AVAILABLE JOBS' page in the Azure portal. It features a map of New York City with job locations marked. Below the map is a table with columns for 'BIZTERRITORY', 'CITY', 'JOBLISTING', and 'LOCATION'. One listing is visible: 'Business Analyst' in New York City.

Rich search features,
out-of-the-box

The screenshot shows the 'Indexes' tab for the 'azblob-index' in the Azure portal. It displays settings for 'Access control (IAM)', 'Tags', and 'Diagnose and solve problems'. On the right, there are tabs for 'Usage', 'Monitoring', 'Indexes', 'Indexers', 'Data sources', and 'Skillsets'. The 'Indexes' tab is selected.

Easily scale and
maintain

Effortlessly Implemented

Start, Maintain and Scale with minimal investment.



EFFORTLESSLY
IMPLEMENTED



EASILY
INTEGRATED



READILY
CUSTOMIZABLE

The screenshot shows the 'Import data' blade in the Azure portal. It displays a search bar for 'Data Source' with the result 'TVM' selected. Below the search bar, there's a note: 'Create and load a search index using data from an existing main data source in your collection. Azure Search reads the data structure you provide, which is available for cognitive search and building other data experiences.' At the bottom, there are two buttons: 'Next: Add cognitive search (optional)' and 'Next: Load data'.

The screenshot shows the 'Import data' blade with more detailed configuration options. It includes sections for 'content', 'type', 'location', and 'indexing'. There are numerous checkboxes and dropdown menus for configuring how data is indexed and stored. At the bottom, there are two buttons: 'Previous: Add cognitive search (optional)' and 'Next: Load data'.

Ingest structured and unstructured data + easily pull from Azure Data stores

Quickly configure, no coding required

The screenshot shows the 'AVAILABLE JOBS (1958 jobs)' page in the Azure Search interface. At the top, there's a search bar with 'Search Jobs' and a location filter set to 'Any distance from 1000mi'. Below the search bar is a 'FILTER RESULTS' section with a 'BUSINESS TITLE' dropdown. The main area features a map of New York City with job locations marked. A summary at the bottom right says '2558 AVAILABLE JOBS'. On the right side, there's a sidebar with tabs for 'Usage', 'Monitoring', 'Indexes', 'Indexers', 'Data sources', and 'Skillsets'. The 'Indexes' tab is selected, showing a table with one item: 'azblob-index'.

Rich search features, out-of-the-box



Easily scale and maintain

Effortlessly Implemented

Start, Maintain and Scale with minimal investment.



EFFORTLESSLY
IMPLEMENTED



EASILY INTEGRATED



READILY
CUSTOMIZABLE

The screenshot shows the 'Import data' step in the Azure portal. It displays a list of available data sources, including 'Azure Blob Storage', 'Azure Data Lake Storage', 'Azure Event Grid', 'Azure Functions', 'Azure IoT Hub', 'Azure Key Vault', 'Azure Log Analytics', 'Azure Monitor Metrics', 'Azure Storage Queue', 'Azure Stream Analytics', 'Azure Table Storage', 'Azure Time Series Insights', 'Azure Web Apps', and 'Azure WebJobs'. A search bar at the top allows filtering by name.



Ingest structured and unstructured data + easily pull from Azure Data stores

The screenshot shows the 'Configure fields' step in the Azure portal. It displays a table with columns for 'Field name', 'Type', 'Format', 'Indexing', and 'Analyzer'. Fields listed include 'content', 'imagedata', 'imagedata_content_type', 'imagedata_date_modified', 'imagedata_date_uploaded', 'imagedata_file_size', 'imagedata_file_type', 'imagedata_location', 'imagedata_name', 'imagedata_page', 'imagedata_page_index', 'imagedata_page_number', 'imagedata_page_size', 'imagedata_page_type', 'imagedata_page_x', 'imagedata_page_y', 'imagedata_size', 'imagedata_type', 'people', and 'people_collected'. Each field has a dropdown menu for configuration.



Quickly configure, no coding required

The screenshot shows the Azure Search interface. On the left, there's a search bar and a 'FILTER RESULTS' section with dropdowns for 'BUSINESS TITLE' and 'LOCATION'. The main area displays a map and a list of 'AVAILABLE JOBS'. The list includes 'Auditor (1)', 'Business Manager (1)', 'Cottage Artist (1)', 'Employee Assistant (1)', 'Finance Project Manager Intern (1)', 'Administrative Assistant (1)', 'Administrative Associate (1)', 'City Research Scientist (1)', and 'Watermark Maintenance (1)'. At the bottom, there's a 'LOCATE' button.



Rich search out-of-the-box

The screenshot shows the Azure Search settings page. On the left, there's a sidebar with options like 'Access control (IAM)', 'Tags', 'Diagnose and solve problems', 'Usage', 'Monitoring', 'Indexes' (which is selected), 'Indexers', 'Data sources', and 'Skillsets'. The main area shows 'Location' (West US 2), 'Subscription' (Pay-As-You-Go), 'Subscription ID' (a98dfc86-277a-4bed-93fa-b07419a9ddae), and 'Tags' (Click here to add tags). Below this, there's a table with columns 'NAME' and 'DOCUMENT COUNT'. One entry is 'azureblob-index' with a value of '0'. At the bottom, there are buttons for 'Scale', 'Search traffic analytics', 'Identity', 'Properties', 'Locks', 'Export template', and 'Monitoring'.



Easily scale and maintain

Easily Integrated

With just one-click enable pre-built cognitive skills and extract more knowledge from your data.



EFFORTLESSLY
IMPLEMENTED



EASILY
INTEGRATED



READILY
CUSTOMIZABLE



Vision

OCR, Image analysis, Tag extraction



The screenshot shows the Microsoft Azure portal's Cognitive Services blade. It displays several cards representing different cognitive skills:

- Language:** Shows a document titled "Master Service Agreement" with text analysis results. It indicates "US English" and "Translated from French".
- Vision:** Shows a preview of an image analysis result for a document.
- Speech:** Shows a preview of a speech-to-text result for a recording.
- ...and more:** A list of additional cognitive services including People, Organization(s), Location(s), Images, and Key Phrase(s).
- Contoso:** A card showing a preview of a document with entities like "Megan Bowen" and "Adele Vance" highlighted.
- Key Phrase(s):** A list of detected phrases such as "Bolt, steel, logos, text...".



Language

Phrase extraction, Language detection, Sentiment analysis, Entity recognition



Orchestration

Text manipulation, Custom skills, Knowledge store

Easily Integrated

With just one-click enable pre-built cognitive skills and extract more knowledge from your data.



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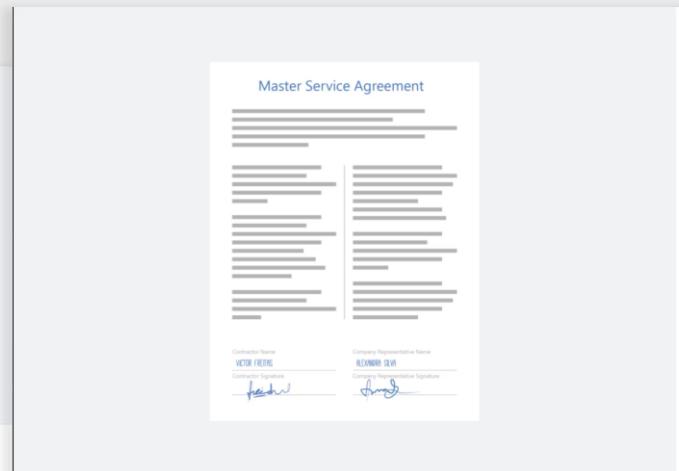
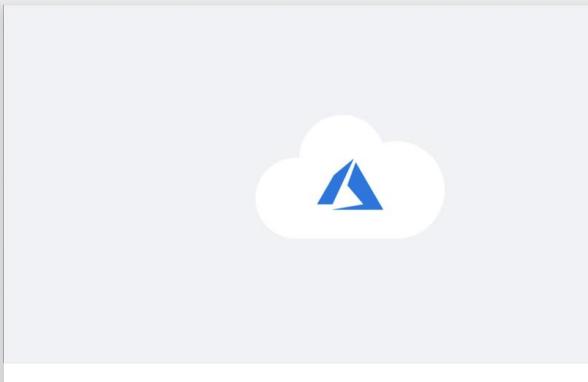


READILY
CUSTOMIZABLE

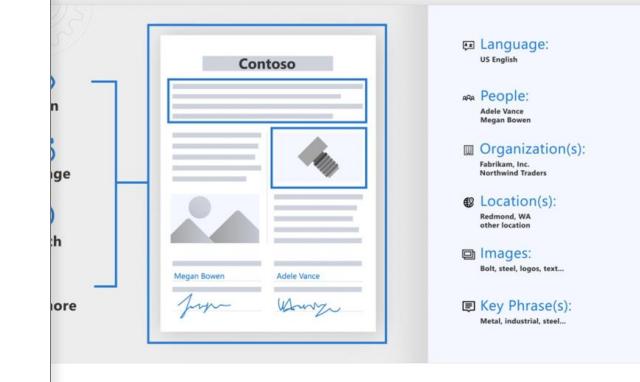


Vision

OCR, Image analysis, Tag extraction



99
Language
Key phrase extraction, Language detection, Sentiment analysis, Entity recognition



Orchestration

Text manipulation, Custom skills, Knowledge store

Easily Integrated

With just one-click enable pre-built cognitive skills and extract more knowledge from your data.



EFFORTLESSLY
IMPLEMENTED



EASILY
INTEGRATED



READILY
CUSTOMIZABLE



Vision

OCR, Image analysis, Tag extraction



Language

Key phrase extraction, Language detection, Sentiment analysis, Recognition

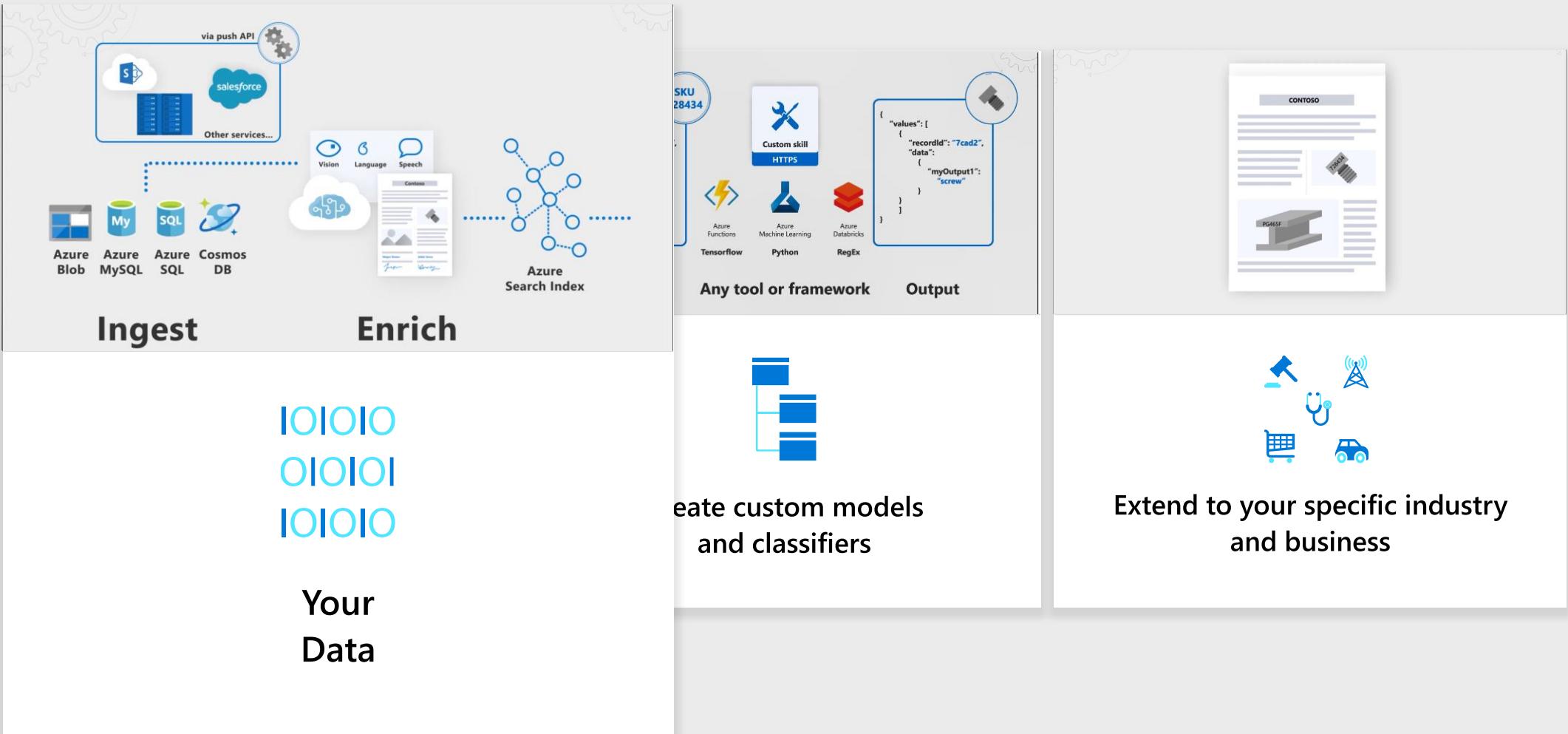


Orchestration

Text manipulation, Custom skills, Knowledge store

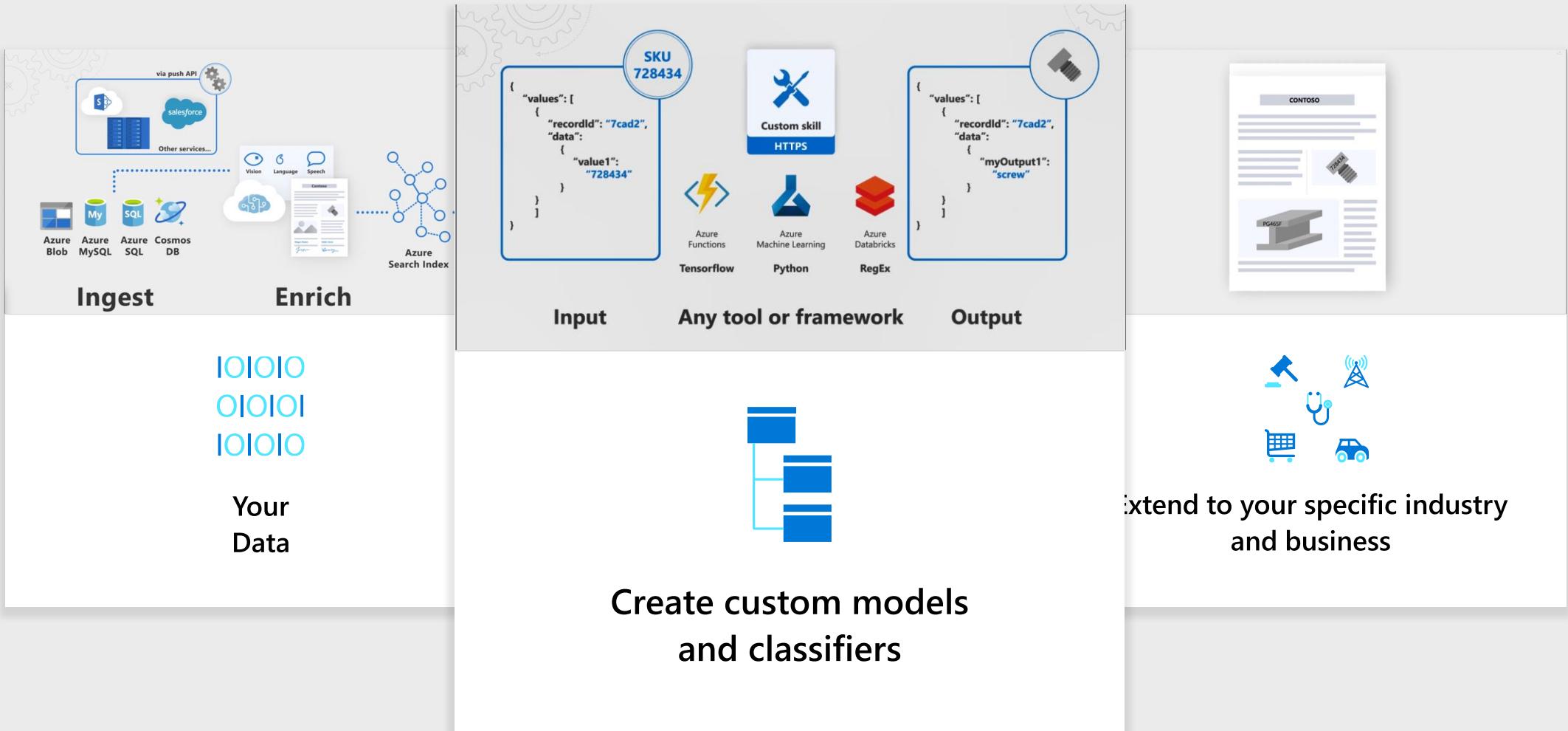
Readily Customizable

Optimize your search experience by integrating your own data to create custom models and classifiers that feed into Cognitive Search.



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Optimize your search experience by integrating your own data to create custom models and classifiers that feed into Cognitive Search.



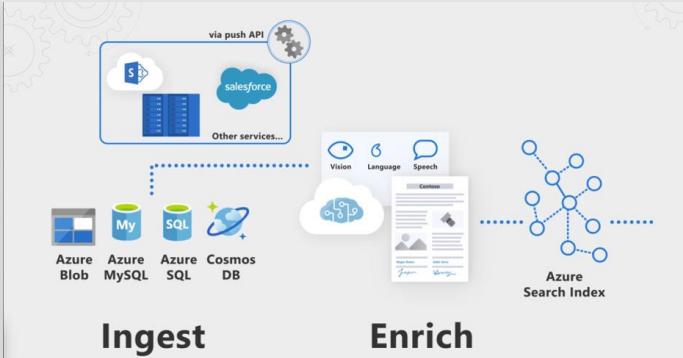
EFFORTLESSLY
IMPLEMENTED



EASILY
INTEGRATED



READILY
CUSTOMIZABLE

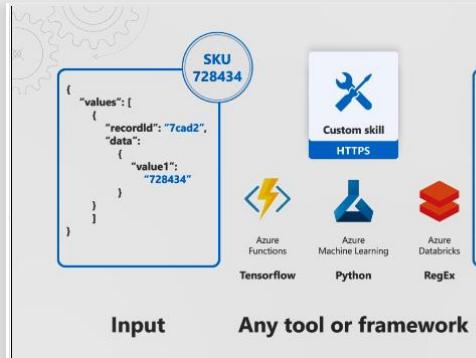


Ingest

Enrich

IOIOIO
OIOIOI
IOIOIO

Your
Data



Input

Any tool or framework

```
{ "values": [ { "recordid": "7cad2", "data": { "value1": "728434" } } ] }
```

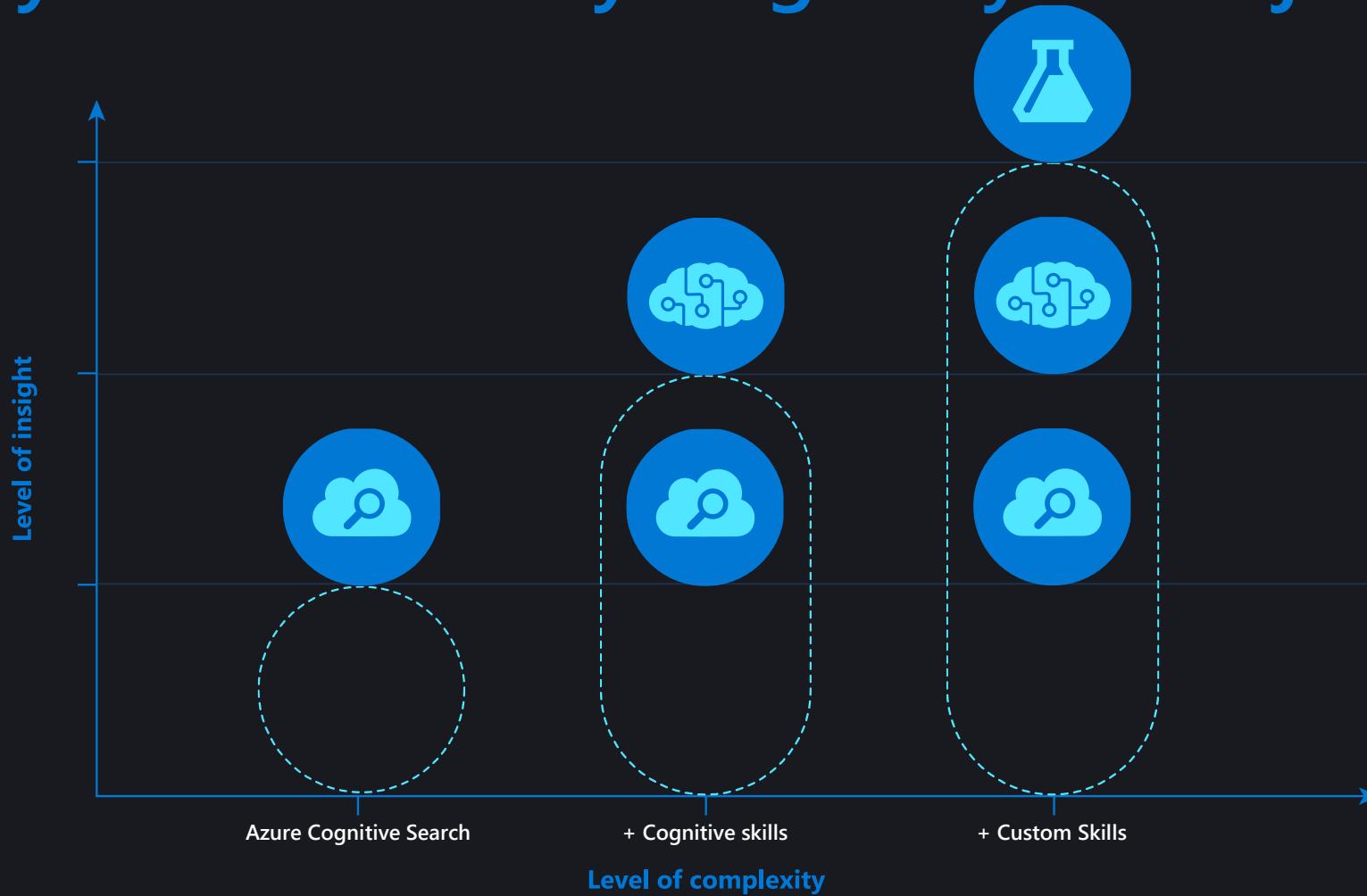


Create custom
models and classifiers



Extend to your specific industry
and business

Ready to serve at any stage of your AI journey



Knowledge Mining Scenarios



Core Search

- Catalog search -
- In-app search -



Content Understanding

- Digital asset management-
- Customer support and feedback analytics-
- Technical content research-
- Auditing, risk, and compliance management-

Core Search

Catalogue Search



Autotrader

Driving seamless search for
millions of customers



Creating new ways to connect users with
the most relevant content

In-App Search



Delivering faster, deeper, more
cost-effective data insights



Van Oord 
Marine ingenuity

Eliminating manual processes to
reduce time, error, and risk

Content Understanding

Explore, group, and uncover insights across
structured and unstructured content



Improves customer service by enabling service engineers to find answers for their customers faster



Enables online visitors to develop a deeper and more personally relevant connection to art



Enables knowledge management for accurate bidding and surfaces manufacturing risks obligations



Delivers a leading enterprise contract management platform that reduces cost of compliance by 60%



Knowledge Mining

With Form Recognizer

Uncover insights from all your forms

Customer Information		Invoice Details	
	John Doe 128 First Avenue Sydney, New South Wales 2251 Australia	Invoice no. #001 Date 17/09/2023 Other Details	
Henry Higgins 1 Main St. Melbourn, Victoria 3035 Australia			
Item	Quantity	Unit Price	Amount
Silk Scarf with Blue Pattern	2	\$24.00	\$48.00
Cotton Jeans with Embroidery	1	\$18.00	\$18.00
Leather Boots	1	\$240.00	\$240.00
		Subtotal	\$306.00
		Discount (15%)	\$45.90
		Total	\$260.10

CREDIT APPLICATION			
APPLICANT INFORMATION			
Name:	SSN:	Phone:	
Date of birth:			
Current Address:			
City:	State:	ZIP Code:	
Own Rent (Please circle)	Monthly payment or rent:	How long?	
Previous Address:			
City:	State:	ZIP Code:	
Owned Rented (Please circle)	Monthly payment or rent:	How long?	
EMPLOYMENT INFORMATION			
Current Employer:			
Employer Address:			How long?
Phone:	E-mail:	Fax:	
City:	State:	ZIP Code:	
Position:	Hourly Salary (Please circle)	Annual Income:	
Previous employer:			
Address:			How long?
Phone:	E-mail:	Fax:	
City:	State:	ZIP Code:	
Position:	Hourly Salary (Please circle)	Annual Income:	
Name of a relative not residing with you:			
Address:			Relationship:
Phone:	E-mail:	Fax:	
CO-APPLICANT INFORMATION, IF FOR A JOINT ACCOUNT			
Date of birth:	SSN:	Name:	
Current Address:			

STANDARD FORM 2 FEBRUARY 1965 EDITION GENERAL PROVISIONS FEDERAL GOVERNMENT USE FPM (41 CFR) 1.18-1001	US GOVERNMENT LEASE FOR REAL PROPERTY								
DATE OF LEASE <i>4/16/10</i>	LEASE NO. GS-10B-07170								
THIS LEASE , made and entered into this date by and between YESLER INVESTMENT COMPANY, LLC Whose address is 1000 SECOND AVENUE, SUITE 1800 SEATTLE, WA 98104-1046 and whose interest in the property hereinafter described is that of OWNER hereinafter called the Lessor, and the UNITED STATES OF AMERICA , hereinafter called the Government: WITNESSETH: The parties hereto for the considerations hereinafter mentioned, covenant and agree as follows									
<p>1. The Lessor hereby leases to the Government the following described premises:</p> <p>A total of 172,332 rentable square feet (RSF) of office and related space, which yields 152,288 ANSI/BOMA Office Area square feet (ASF) of space at Fifth and Yesler Building, 300 First Avenue, Seattle, WA 98101, to be used by the Government for General Office Administration.</p> <p>The space is divided into the main floor and on floors 4 through 12. Included in the rent at no additional cost to the Government are 27 inside parking spaces and 40 bicycle spaces for exclusive use of Government employees and patrons.</p> <p>2. TO HAVE AND TO HOLD the said premises with their appurtenances beginning approximately September 1, 2010 for the term of 10 years. The lease will take effect upon acceptance of space of the first agency by the government and continuing for 10 years, subject to termination and renewal as may be hereinafter set forth. The rent start date will be recognized via Supplemental Lease Agreement (SLA).</p> <p>3. The Government shall pay the Lessor annual rent of \$ 6,031,270.00 as the rate of \$502,605.83 per month in arrears. The first six (6) months are rent free. Rent consists of the following:</p> <table border="1" style="width: 100%;"> <tr> <td>Shell fees (includes)</td> <td>\$ 3,706,646.22</td> </tr> <tr> <td>Operating rent</td> <td>\$ 1,215,625.44</td> </tr> <tr> <td>Tenant improvement</td> <td>\$ 1,071,942.44</td> </tr> <tr> <td>Total</td> <td>\$ 6,031,270.00</td> </tr> </table>		Shell fees (includes)	\$ 3,706,646.22	Operating rent	\$ 1,215,625.44	Tenant improvement	\$ 1,071,942.44	Total	\$ 6,031,270.00
Shell fees (includes)	\$ 3,706,646.22								
Operating rent	\$ 1,215,625.44								
Tenant improvement	\$ 1,071,942.44								
Total	\$ 6,031,270.00								

Check appropriate box:		<input type="checkbox"/> Miner	<input type="checkbox"/> Simple	<input type="checkbox"/> Married	<input type="checkbox"/> Separated	<input type="checkbox"/> Divorced	<input type="checkbox"/> Widowed
Patient or parent's employer:							
Business address:		City _____		State _____		Zip _____	
Spouse or parent's name _____		Employer _____		City _____		Work Phone _____	
If patient is a student, name of school/college _____		City _____		State _____			
Who may we thank for referring you? _____							
Person to contact in case of emergency _____						Phone _____	
Responsible Party							
Name of person responsible for this account _____				Relationship to patient _____			
Address _____		Home phone _____					
Driver's License # _____		Birthdate _____		Financial Institution _____			
Employer _____		Work phone _____					
Is this person currently a patient in our office? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No							
Insurance Information							
Name of insured _____		Relationship to patient _____					
Birthday _____ Social Security Number _____		Date employed _____					
Name of employer _____		Work phone _____					
Address of employee _____		City _____		State _____		Zip _____	
Insurance company _____		Group # _____		Unknown or local? _____			
Insurance co. address _____		City _____		State _____		Zip _____	
How much is your deductible? _____		How much have you used? _____		Max. annual benefit? _____			
Do you have any additional insurance? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, complete the following:							
Name of insured _____		Relationship to patient _____					
Birthday _____ Social Security Number _____		Date employed _____					
Name of employer _____		Work phone _____					

Withholding allowance	3. Chapter indicator	Enter 3 or 4	4a Recipient's name, title, and address	
Net income	3a Exemption code	4b Employee code	4b Recipient's SSN	
Federal tax withheld	3b Tax rate	4b Tax rate	13b Recipient's GIIN	
Check if federal tax withheld was not deposited with the IRS because income procedures were applied (see instructions)			13c Recipient's account number	
Tax withheld by other agents			13d Recipient's date of birth (YYYYMMDD)	
Overwithheld tax, if reported to recipient pursuant to adjustment procedures (see instructions) ()			14a Primary Withholding Agent's name (if applicable)	
Total withholding credit (combine boxes 7a, 8, and 9)			14b Primary Withholding Agent's EIN	
Tax paid by withholding agent (amounts not withheld) (see instructions)				
7a Withholding agent's EIN	12b Ch. 3 status code	12c Ch. 4 status code	15a Intermediary or flow-through entity's EIN, if applicable	
7b Withholding agent's name			15b Intermediary or flow-through entity's name	
7c Withholding agent's Global Intermediary Identification Number (GIIN)			15c Intermediary or flow-through entity's GIIN	
7d Country code	12g Foreign taxpayer identification number, if any		15f County code	15g Foreign tax
7h Address (number and street)			15h Address (number and street)	
7i City or town, state or province; country, ZIP or foreign postal code			15i City or town, state or province, country	
7k Recipient's name			16a Payer's name	
7l Address (number and street)			16b Payer's GIIN	
7m State income tax withheld			17b Payer's EIN	

Form Recognizer

Start with any type of form



Quickly **extract text, tables and key value pairs** with simple REST API calls

Chroma					
RTD	Concentration	Initial pH & Conductivity	Final pH & Conductivity	Residual RTD	UV-vis
Initial RTD (ppm)					
1000	1000	pH 7.0 1000 µS/cm	pH 7.0 1000 µS/cm	0	100%
500	500	pH 7.0 1000 µS/cm	pH 7.0 1000 µS/cm	0	100%
250	250	pH 7.0 1000 µS/cm	pH 7.0 1000 µS/cm	0	100%
125	125	pH 7.0 1000 µS/cm	pH 7.0 1000 µS/cm	0	100%
62.5	62.5	pH 7.0 1000 µS/cm	pH 7.0 1000 µS/cm	0	100%
31.25	31.25	pH 7.0 1000 µS/cm	pH 7.0 1000 µS/cm	0	100%
15.625	15.625	pH 7.0 1000 µS/cm	pH 7.0 1000 µS/cm	0	100%
7.8125	7.8125	pH 7.0 1000 µS/cm	pH 7.0 1000 µS/cm	0	100%
3.90625	3.90625	pH 7.0 1000 µS/cm	pH 7.0 1000 µS/cm	0	100%
1.953125	1.953125	pH 7.0 1000 µS/cm	pH 7.0 1000 µS/cm	0	100%
0.9765625	0.9765625	pH 7.0 1000 µS/cm	pH 7.0 1000 µS/cm	0	100%
0.48828125	0.48828125	pH 7.0 1000 µS/cm	pH 7.0 1000 µS/cm	0	100%
0.244140625	0.244140625	pH 7.0 1000 µS/cm	pH 7.0 1000 µS/cm	0	100%
0.1220703125	0.1220703125	pH 7.0 1000 µS/cm	pH 7.0 1000 µS/cm	0	100%
0.06103515625	0.06103515625	pH 7.0 1000 µS/cm	pH 7.0 1000 µS/cm	0	100%
0.030517578125	0.030517578125	pH 7.0 1000 µS/cm	pH 7.0 1000 µS/cm	0	100%
0.0152587890625	0.0152587890625	pH 7.0 1000 µS/cm	pH 7.0 1000 µS/cm	0	100%
0.00762939453125	0.00762939453125	pH 7.0 1000 µS/cm	pH 7.0 1000 µS/cm	0	100%
0.003814697265625	0.003814697265625	pH 7.0 1000 µS/cm	pH 7.0 1000 µS/cm	0	100%
0.0019073486328125	0.0019073486328125	pH 7.0 1000 µS/cm	pH 7.0 1000 µS/cm	0	100%
0.00095367431640625	0.00095367431640625	pH 7.0 1000 µS/cm	pH 7.0 1000 µS/cm	0	100%
0.000476837158203125	0.000476837158203125	pH 7.0 1000 µS/cm	pH 7.0 1000 µS/cm	0	100%
0.0002384185791015625	0.0002384185791015625	pH 7.0 1000 µS/cm	pH 7.0 1000 µS/cm	0	100%
0.00011920928955078125	0.00011920928955078125	pH 7.0 1000 µS/cm	pH 7.0 1000 µS/cm	0	100%
0.000059604644775390625	0.000059604644775390625	pH 7.0 1000 µS/cm	pH 7.0 1000 µS/cm	0	100%
0.0000298023223876953125	0.0000298023223876953125	pH 7.0 1000 µS/cm	pH 7.0 1000 µS/cm	0	100%
0.00001490116119384765625	0.00001490116119384765625	pH 7.0 1000 µS/cm	pH 7.0 1000 µS/cm	0	100%
0.000007450580596923828125	0.000007450580596923828125	pH 7.0 1000 µS/cm	pH 7.0 1000 µS/cm	0	100%
0.0000037252902984619140625	0.0000037252902984619140625	pH 7.0 1000 µS/cm	pH 7.0 1000 µS/cm	0	100%
0.00000186264514923095703125	0.00000186264514923095703125	pH 7.0 1000 µS/cm	pH 7.0 1000 µS/cm	0	100%
0.000000931322574615478515625	0.000000931322574615478515625	pH 7.0 1000 µS/cm	pH 7.0 1000 µS/cm	0	100%
0.0000004656612873077392578125	0.0000004656612873077392578125	pH 7.0 1000 µS/cm	pH 7.0 1000 µS/cm	0	100%
0.00000023283064365386962890625	0.00000023283064365386962890625	pH 7.0 1000 µS/cm	pH 7.0 1000 µS/cm	0	100%
0.000000116415321826934814453125	0.000000116415321826934814453125	pH 7.0 1000 µS/cm	pH 7.0 1000 µS/cm	0	100%
0.0000000582076609133674072265625	0.0000000582076609133674072265625	pH 7.0 1000 µS/cm	pH 7.0 1000 µS/cm	0	100%
0.000000029103830456683703613125	0.000000029103830456683703613125	pH 7.0 1000 µS/cm	pH 7.0 1000 µS/cm	0	100%
0.0000000145519152283418518065625	0.0000000145519152283418518065625	pH 7.0 1000 µS/cm	pH 7.0 1000 µS/cm	0	100%
0.000000007275957614170925903125	0.000000007275957614170925903125	pH 7.0 1000 µS/cm	pH 7.0 1000 µS/cm	0	100%
0.0000000036379788070854629515625	0.0000000036379788070854629515625	pH 7.0 1000 µS/cm	pH 7.0 1000 µS/cm	0	100%
0.00000000181898940354273147578125	0.00000000181898940354273147578125	pH 7.0 1000 µS/cm	pH 7.0 1000 µS/cm	0	100%
0.000000000909494701771365737890625	0.000000000909494701771365737890625	pH 7.0 1000 µS/cm	pH 7.0 1000 µS/cm	0	100%
0.0000000004547473508856828689453125	0.0000000004547473508856828689453125	pH 7.0 1000 µS/cm	pH 7.0 1000 µS/cm	0	100%
0.00000000022737367544284143447265625	0.00000000022737367544284143447265625	pH 7.0 1000 µS/cm	pH 7.0 1000 µS/cm	0	100%
0.00000000011368683772142071723828125	0.00000000011368683772142071723828125	pH 7.0 1000 µS/cm	pH 7.0 1000 µS/cm	0	100%
0.000000000056843418860710358619140625	0.000000000056843418860710358619140625	pH 7.0 1000 µS/cm	pH 7.0 1000 µS/cm	0	100%
0.0000000000284217094303551793095703125	0.0000000000284217094303551793095703125	pH 7.0 1000 µS/cm	pH 7.0 1000 µS/cm	0	100%
0.000000000014210854715177589654778125	0.000000000014210854715177589654778125	pH 7.0 1000 µS/cm	pH 7.0 1000 µS/cm	0	100%
0.0000000000071054273575887948273890625	0.0000000000071054273575887948273890625	pH 7.0 1000 µS/cm	pH 7.0 1000 µS/cm	0	100%
0.00000000000355271367879439741369453125	0.00000000000355271367879439741369453125	pH 7.0 1000 µS/cm	pH 7.0 1000 µS/cm	0	100%
0.000000000001776356839397198706847265625	0.000000000001776356839397198706847265625	pH 7.0 1000 µS/cm	pH 7.0 1000 µS/cm	0	100%
0.000000000000888178419698599353423828125	0.000000000000888178419698599353423828125	pH 7.0 1000 µS/cm	pH 7.0 1000 µS/cm	0	100%
0.0000000000004440892098492996767119140625	0.0000000000004440892098492996767119140625	pH 7.0 1000 µS/cm	pH 7.0 1000 µS/cm	0	100%
0.00000000000022204460492464983835595703125	0.00000000000022204460492464983835595703125	pH 7.0 1000 µS/cm	pH 7.0 1000 µS/cm	0	100%
0.000000000000111022302462324919177978125	0.000000000000111022302462324919177978125	pH 7.0 1000 µS/cm	pH 7.0 1000 µS/cm	0	100%
0.0000000000000555111512311624595889890625	0.0000000000000555111512311624595889890625	pH 7.0 1000 µS/cm	pH 7.0 1000 µS/cm	0	100%
0.00000000000002775557561558122979449453125	0.00000000000002775557561558122979449453125	pH 7.0 1000 µS/cm	pH 7.0 1000 µS/cm	0	100%
0.000000000000013877787807790614897247265625	0.000000000000013877787807790614897247265625	pH 7.0 1000 µS/cm	pH 7.0 1000 µS/cm	0	100%
0.0000000000000069388939038953074498623828125	0.0000000000000069388939038953074498623828125	pH 7.0 1000 µS/cm	pH 7.0 1000 µS/cm	0	100%
0.00000000000000346944695194765372493119140625	0.00000000000000346944695194765372493119140625	pH 7.0 1000 µS/cm	pH 7.0 1000 µS/cm	0	100%
0.000000000000001734723475973826862465595703125	0.000000000000001734723475973826862465595703125	pH 7.0 1000 µS/cm	pH 7.0 1000 µS/cm	0	100%
0.0000000000000008673617379869134312277978125	0.0000000000000008673617379869134312277978125	pH 7.0 1000 µS/cm	pH 7.0 1000 µS/cm	0	100%
0.00000000000000043368086899345671561389453125	0.00000000000000043368086899345671561389453125	pH 7.0 1000 µS/cm	pH 7.0 1000 µS/cm	0	100%
0.000000000000000216840434496728357806947265625	0.000000000000000216840434496728357806947265625	pH 7.0 1000 µS/cm	pH 7.0 1000 µS/cm	0	100%
0.000000000000000108420217248364178903473828125	0.000000000000000108420217248364178903473828125	pH 7.0 1000 µS/cm	pH 7.0 1000 µS/cm	0	100%
0.0000000000000000542101086221820894517369453125	0.0000000000000000542101086221820894517369453125	pH 7.0 1000 µS/cm	pH 7.0 1000 µS/cm	0	100%
0.00000000000000002710505431109104472586847265625	0.00000000000000002710505431109104472586847265625	pH 7.0 1000 µS/cm	pH 7.0 1000 µS/cm	0	100%
0.00000000000000001355252715554552236293423828125	0.00000000000000001355252715554552236293423828125	pH 7.0 1000 µS/cm	pH 7.0 1000 µS/cm	0	100%
0.00000000000000000677626357777276118146717978125	0.00000000000000000677626357777276118146717978125	pH 7.0 1000 µS/cm	pH 7.0 1000 µS/cm	0	100%
0.0000000000000000033881317888863805907345597265625	0.0000000000000000033881317888863805907345597265625	pH 7.0 1000 µS/cm	pH 7.0 1000 µS/cm	0	100%
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0.0000000000000000008470329472216951476836389453125	0.0000000000000000008470329472216951476836389453125	pH 7.0 1000 µS/cm	pH 7.0 1000 µS/cm	0	100%
0.00000000000000000042351647361084757383181947265625	0.00000000000000000042351647361084757383181947265625	pH 7.0 1000 µS/cm	pH 7.0 1000 µS/cm	0	100%
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0.000000000000000000052939555701355945277727477978125	0.000000000000000000052939555701355945277727477978125	pH 7.0 1000 µS/cm	pH 7.0 1000 µS/cm	0	100%
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0.00000000000000000000165436111156737358993055474957265625	0.00000000000000000000165436111156737358993055474957265625	pH 7.0 1000 µS/cm	pH 7.0 1000 µS/cm	0	100%
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The Form Recognizer difference



Quickly and accurately extract text and structure without code



Stay confident with a secure and private foundation



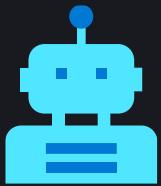
Flexibility to apply anywhere from the cloud to the edge



Customize to your forms

Quickly extract text, keys, and tables from your documents

Core Scenarios



Robotic process automation

"My company manually enters data from documents into structured schema, or hires 3rd party companies to processing forms, and the cost per page is prohibitive."



Intelligent search indexes

"My company manually reads thousands of forms (invoices, tax forms, etc.) to find important information like PO amounts, totals on tax forms, etc."



Industry-specific applications

"My company has industry-specific documents like drilling reports or medical reports, that our teams need to analyze for a variety of purposes like internal benchmarking and patient processing."

The Metropolitan Museum of Art

Connecting people to creativity, knowledge, and ideas.

Solution

Art exploration application
allowing for anyone to
explore The Met's Open
Access collection

Results

- Discover artworks with new pathways to similar or related works
- Explore enriched information about the artist and their works
- Find connections to artworks based on location and time period

"We're in the midst of a renaissance right now, with AI bringing art and science together in a way that will enable online visitors to develop a deeper and more personally relevant connection to art."

Maria Kessler

Senior Program Manager, Digital Partnerships
The Metropolitan Museum of Art

**THE
MET**

Royal IHC

Using Cognitive Search to Improve Customer Service

Solution

Intuitive, personalized document search solution empowers service engineers to more effectively support customers

Results

- Enables employees to focus time and effort on the customer
- Delivers an intuitive solution that is personalized and highly accurate
- Provides easier access from remote locations while simultaneously maintaining data and application security



"The new document search solution co-created with OrangeNXT helps service engineers answer customers better and faster, thereby fostering customer loyalty and increasing revenue in the after-market. It enables our employees to focus their time and effort on focusing on the customer needs, as opposed to wasting time on searching for documents, making their work more rewarding and fun. Our engineers value the solution as more intuitive, more personalized and more accurate."

Arjan van Limborgh
Product Owner Digital Business
Royal IHC



Improving Efficiency and Reducing Risk in Bid Proposal Process

Solution

Collaboration portal to enable fast, efficient review of RFP documents, reduce risk and improve engineer collaboration

Results

- Automatically extracts known risks as part of the document ingestion process
- Engineers can effectively collaborate and share information throughout the project lifecycle
- Increased RFP response time....

“Complex customer needs and difficult markets are our daily business. Azure Cognitive Search enables us to augment expert knowledge and experience for reviewing complex technical requirements into an automated solution that empowers knowledge workers throughout our organization.”

Chris van Ravenswaay
Business Solution Manager
Howden

Solution

Icertis Contract Management platform uses Cognitive Search for:

- Intelligent digitization and indexing of inherently unstructured contract data
- Enrich contract data sources (contracts, templates, clauses, legacy contracts)
- Cloud scale intelligent search across complex, distributed contract repositories

Benefits

- Import legacy contracts up to 80% faster
- Rapidly set up third party contracts
- Improve post-execution compliance by up to 90%
- Reduce the cost of compliance by up to 60%
- Find insights you could not search for before, and find insights you did not even know you had before

“Contracts are the foundation of commerce and for the first time in history, they are being digitized.

Applying AI to this new pool of digitized data transforms contracts from static documents into live contracts which can interact with people, surrounding systems and ultimately even other contracts.”

Monish Darda, Icertis CTO and Co-founder

Port Authority of València

Historical Archive Consultation

Solution

Search Application that OCRs, tags, classifies and indexes historic documents from the 19th century to the present day.

Results

- Citizens and researchers can search historic documents from the 19th century to the present day.
- New way to browse documents using facets and automatic tags

"Historical port documentation is a documentary heritage that belongs to the citizens. With this project, and thanks to the application of Artificial Intelligence, the Port Authority of València makes available to citizens and researchers a magnificent way of accessing the knowledge it holds."

Xavier Mulet i Baixauli

Head of Electronic Administration and Records Management
Autoridad Portuaria de Valencia



encamina

Digital archiving service delivers faster, deeper, more cost-effective data insights with Azure Cognitive Search

For companies in highly regulated industries, the ability to verify and search through archived data with ease can be the difference between extracting timely insights and incurring hefty fines. Archive360—an intelligent information management ISV—gives those companies an easy way to manage their archived data in the cloud and, now with the addition of Microsoft Azure Cognitive Search, enables them to ask complex questions of petabyte-sized datasets both quickly and cost-effectively.



Products and Services

Microsoft Azure
Azure Cosmos DB
Azure Cosmos DB API for Gremlin (graph)
Azure Search

Organization Size

110 employees

Industry

Partner Professional Services

Country

United States





autoTrader.ca moved millions of user vehicle photos into Microsoft Azure—and because of the success of the solution, it is now moving its application search functionality and web properties to Azure too. In other words, the company is moving all its operations to platform-as-a-service.

Canada's largest automobile search site takes Azure for a spin, drives business success

Situation

autoTrader.ca needed to replace an old, slow search engine and to be able to create new offerings such as a dealer-to-dealer auction site.

Solution

Azure Cognitive Search now powers the company's auction site—and is about to speed up its consumer portal, too.

Benefits

- Serves mobile customers—a growing segment of users—faster and more efficiently.
- Eliminates high costs of maintaining and scaling traditional infrastructure.
- Frees up IT for strategic projects that help expand the business.



Unlock insights on any data

"We wanted our IT team fully focused on building websites and apps that help consumers buy cars with confidence, not running a datacenter. Azure takes care of that for us, like a utility we know can keep pace with our explosive growth."

Allen Wales
Vice President of Technology



Using Azure Cognitive Search to drive inbound requests for tens of thousands of properties, JLL can give its employees and customers a higher-performing search experience and it can help investors find the right property to invest in.

Prime Property and Data Discovery with Cloud-Based Search and Analytics

Situation

JLL wanted to change the way its applications are designed and hosted by taking advantage of the cloud..

Solution

The company is using Microsoft Azure Cognitive Search to power its commercial property listings site and an Azure big data solution for new data insights.

Benefits

- Helping investors quickly find the right property
- Getting deeper insight into local real estate markets
- Empowering local teams
- Answering critical questions



Unlock insights on
any data

"It has always been our plan to have our entire web listings platform in the cloud, but the only component that stopped us from doing that was search. Now, with the Azure Cognitive Search service, we can realize our goal."

Sridhar Potineni
Director of Innovation

Dentsu Aegis Network

Global Brand and Marketing Company

Solution

"Smart Invoice" application that extracts data from invoices

Results

Quickly extract text, fields, and tables from invoices
A smarter way to process invoices
Automatic extraction of important data

"I wanted the ability to recognize a key value pair regardless of how it's structured within the document—and Form Recognizer actually does that. That capability played a big role in convincing me that we'd found our solution."

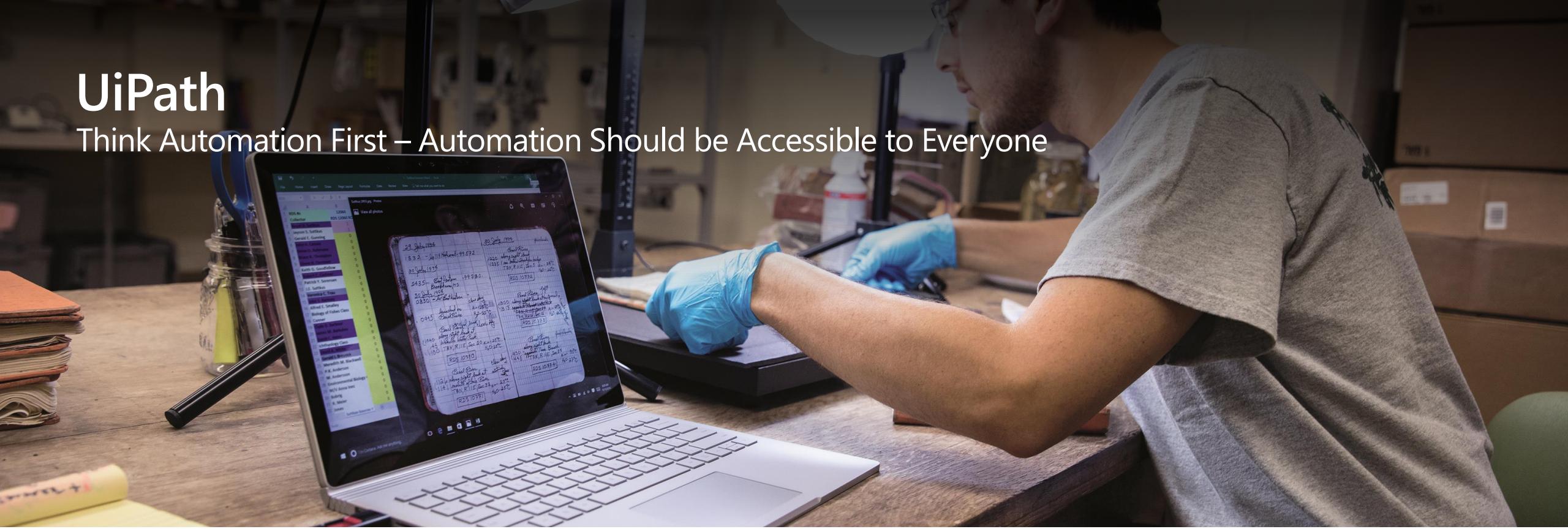


Boris Coto

Solution Architect
Dentsu Aegis Network



Think Automation First – Automation Should be Accessible to Everyone



Solution

Leverages UiPath's leading enterprise automation platform and human-in-the-loop capabilities to enable Humans, Robots, and AI to work together to accomplish a mission.

Results

Rapid automation of document processing

Intelligent extraction of text, fields, and tables from forms

Human-in-the-loop for human data validation

Automates data entry

Reduces time to business insights and discovery

"We're excited to leverage Form Recognizer as a key document extraction capability on our Robotic Process Automation (RPA) platform and our open AI ecosystem. UiPath's and Microsoft's investments in AI are streamlining the process of unlocking key business data, making possible a new era of AI-driven business insights and knowledge management.", Director Artificial Intelligence, Document Understanding Product Manager, UiPath

Mark Benyovszky

Director Artificial Intelligence
Document Understanding Product Manager

UIPath



Financial Fabric

Financial DataHub Platform



Solution

Financial DataHub extracting data from semi-structured PDF documents to generate insight

Results

Quickly extract text, fields, and tables from forms

Ingest a few sample documents to start parsing data intelligently

"We see major benefits with Form Recognizer, such as cost reductions and accelerated time to market. Using it, we're able to extract and analyze data at a fraction of the cost of how other providers do it in-house using traditional manual, ETL methods."

Subhra Bose

Chief Executive Officer
Financial Fabric



Azure Cognitive Search documentation & ressources

Documentation Azure Cognitive Search

- Website
 - <https://azure.microsoft.com/en-us/services/search/>
- Pricing
 - <https://azure.microsoft.com/en-us/pricing/details/search/>
- Documentation
 - <https://docs.microsoft.com/en-us/azure/search/>
- What's new
 - <https://azure.microsoft.com/en-us/updates/?product=search>



Get Started Guide for Azure Developers



Azure Application Architecture Guide



Free Azure Courses from Pluralsight

Get Started

Products

SDKs/Tools

Architecture

All

Compute

Compute

Linux Virtual Machines

Windows Virtual Machines

App Service

Functions

Batch

Networking

Networking Overview

Content Delivery Network

ExpressRoute

Azure DNS

Virtual Network

Storage

Storage

StorSimple

Data Lake Storage Gen2

Data Lake Storage Gen1

Blob Storage

Web

App Service - Web Apps

API Management

Content Delivery Network

Notification Hubs

Azure Search

Documentation Microsoft

<https://docs.microsoft.com/en-us/azure/#pivot=products>

Filter by title

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> Reference architectures

Overview

> AI

> Big data

> Enterprise integration

> Hybrid networks

> Identity management

Internet of Things (IoT)

> Microservices

> Network DMZ

Azure Reference Architectures

Our reference architectures are arranged by scenario. Each architecture includes recommended practices, along with considerations for scalability, availability, manageability, and security. Most also include a deployable solution or reference implementation.

Jump to: [AI](#) | [Big data](#) | [IoT](#) | [Microservices](#) | [Serverless](#) | [Virtual networks](#) | [VM workloads](#) | [SAP](#) | [Active Directory](#) | [Web apps](#)

AI and machine learning

python
powered

Training of Python scikit-learn models

Recommended practices for tuning the hyperparameters of a scikit-learn Python model.



Distributed training of deep learning models

Run distributed training of deep learning models across clusters of GPU-enabled VMs.

python
powered

Batch scoring of Python models

Batch score many Python models in parallel on a schedule using Azure Machine Learning.

python
powered

Batch scoring for deep learning models

python
powered

Real-time scoring of Python and deep learning models

python
powered

MLOps for Python models using Azure Machine Learning

Architectures Microsoft
<https://docs.microsoft.com/en-us/azure/architecture/>

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Introduction to Azure

Module - 8 Units

Get started with Azure by creating and configuring your first virtual machine in the cloud.

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Hands-on learning

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Start learning today

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Microsoft Learn

<https://docs.microsoft.com/en-us/learn/>



AI

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AI School

Whether you're completely new to AI or a seasoned professional looking to stay on top of your game, AI School is quite simply the best place to find the information, learning materials and resources you need to start building intelligence into your solutions.

[AI Business School](#)[Conversational AI](#)[AI Services](#)[Machine Learning](#)[Autonomous Systems](#)[Responsible AI](#)

Microsoft AI School

<https://aischool.microsoft.com/en-us/home>

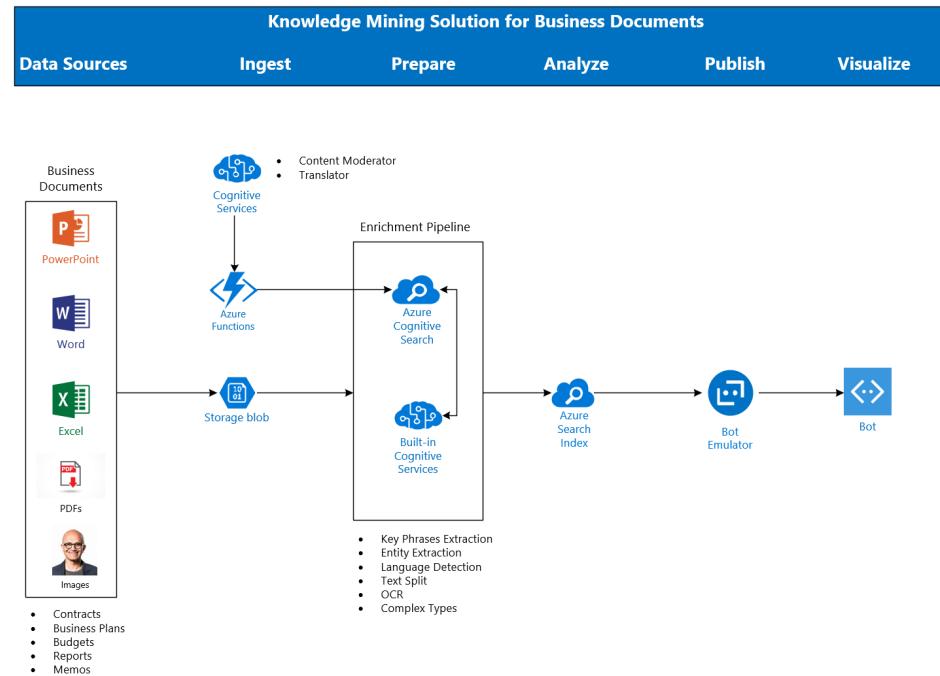


Démarrage du workshop

Présentations

<https://aka.ms/PresentationsACS>

Contenu du workshop Azure Cognitive Search



<https://aka.ms/WorkshopACS>

Architecture workshop

