

Cognitive Service와 Microsoft 오픈소스 전략

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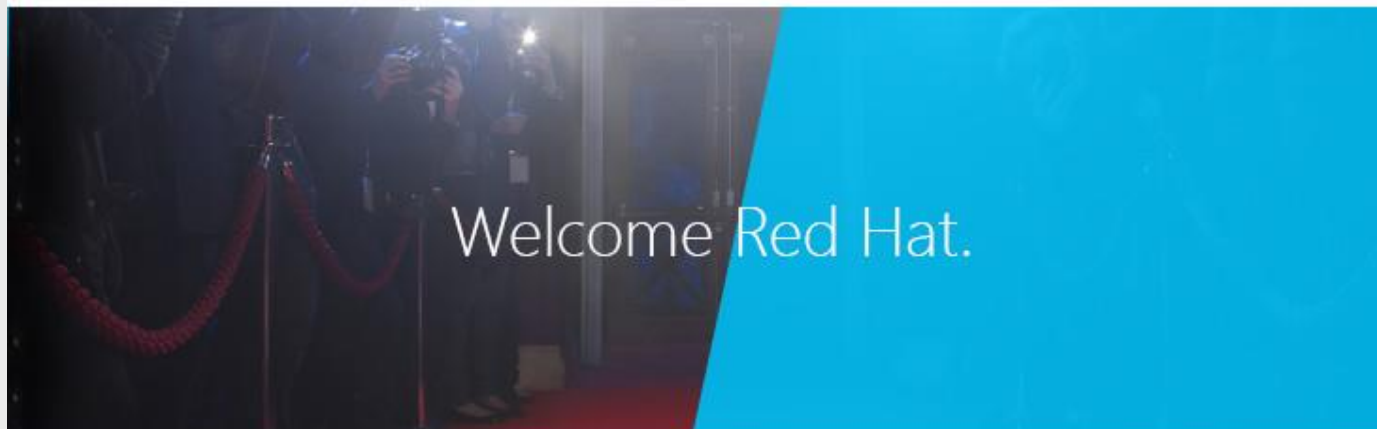




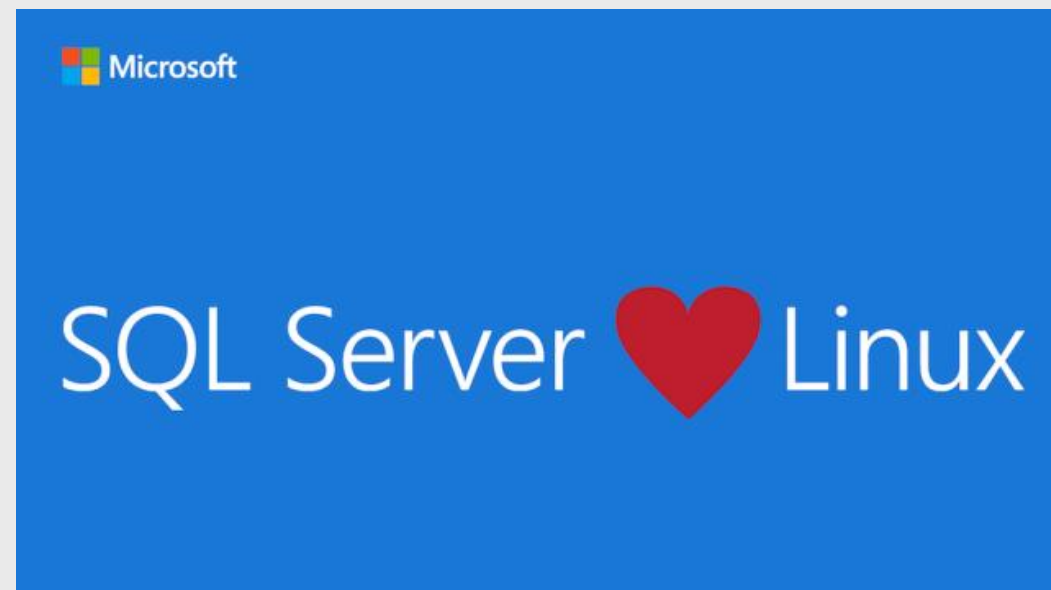
Microsoft
LOVE ❤️



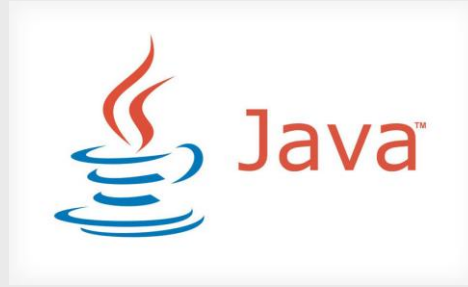
Microsoft Azure



Learn more about our new partnership [➔](#)



Microsoft ❤️ Open Source



PHP Tools for Visual Studio



NTVS(Node.js Tools for Visual Studio)

RTVS(R Tools for Visual Studio)



ubuntu

Visual C++ for Linux



Microsoft Azure

Microsoft **is** Open Source

.NET Core

Windows Store
App Model

The Roslyn project

Meta-programming

Language
Object Model

Read-Eval-Pr

DSL Embed



Source
File

.Net
Asse

TypeScript

JavaScript that scales.

TypeScript is a typed superset of JavaScript that compiles to plain JavaScript.

Any OS. Open source.



Visual Studio Code

Docs Updates Blog Extensions FAQ

Star 13,412

Announcing Version 1.0! Read about the journey in our bl

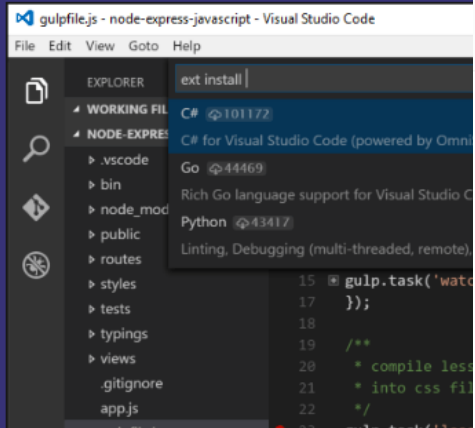
Code editing. Redefined.

Free. Open source. Runs everywhere.

Download for Windows

Available on other platforms

By using VS Code, you agree to its license and privacy statement.



Microsoft

Open source, from Microsoft with love

Redmond, WA [http://www.microsoft.com/...](http://www.microsoft.com/) oss@microsoft.com

Repositories

People 1,718

Filters

Find a repository...

vscode-docs

Public documentation for Visual Studio Code

Updated a minute ago

JavaScript ★ 276 📄 187

MIEngine

The Visual Studio MI Debug Engine ("MIEngine") provides an open-source Visual Studio Debugger extension that works with MI-enabled debuggers such as gdb, lldb, and cldb.

Updated 4 minutes ago

C# ★ 296 📄 83

Mobius

C# language binding and extensions to Anache Snark

C# ★ 247 📄 60



Microsoft Build 2017

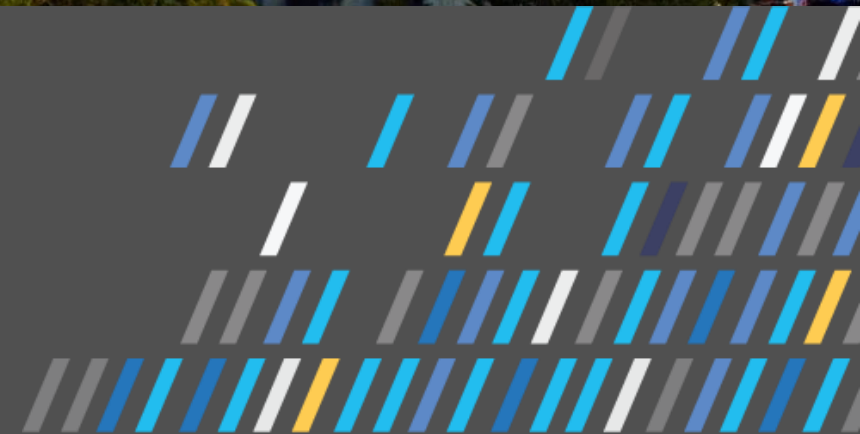


Exhibit Hall 4F





Announcing new Azure Services

PostgreSQL as a Service

MySQL as a Service

Built-in high-availability and security

Elastically scale up or down with no application downtime

100% compatible with all existing drivers, libraries, tools

Store

Home Apps Games Music Movies & TV Books

Search

Ubuntu

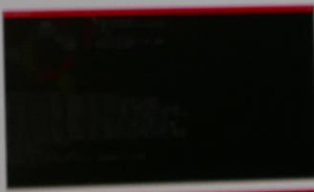
Canonical Group Ltd.

★★★★★
This product is installed

Launch Share



Screenshots



Description

Ubuntu, one of the leading Linux distros is now available on Windows 10.

Using Ubuntu, you'll be able to run your favorite Linux and Open Source command-line developer tools alongside your favorite Windows developer tools.

Bash on Windows runs Ubuntu user-mode binaries by Canonical. This means the command-line utilities are the same as those that run within a native Ubuntu environment. Ubuntu requires the Windows Subsystem for Linux optional component to be enabled before it can be run.

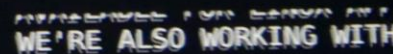
9:40 AM 1/11/2017



MAKING IT MUCH EASIER TO SET
UBUNTU ON WINDOWS 10 BY BRING



N



The image is a collage of three terminal windows, each displaying the output of the 'screenfetch' command. The terminals are arranged in a slightly overlapping manner, with the Ubuntu terminal at the top left, the openSUSE terminal at the top right, and the Fedora terminal at the bottom right.

Terminal 1 (Ubuntu): The output shows a colorful ASCII art logo of a cat. Below the logo, the system information is displayed: OS: Ubuntu, CPU: Intel Core i5-6300U CPU @ 2.496GHz, and RAM: 16384MiB / 8119MiB.

Terminal 2 (openSUSE): The output shows a colorful ASCII art logo of a cat. Below the logo, the system information is displayed: OS: openSUSE, CPU: Intel Core i5-6300U CPU @ 2.496GHz, and RAM: 16384MiB / 8119MiB.

Terminal 3 (Fedora): The output shows a colorful ASCII art logo of a cat. Below the logo, the system information is displayed: OS: Fedora, CPU: Intel Core i5-6300U CPU @ 2.496GHz, and RAM: 16384MiB / 8119MiB.

Microsoft와 Machine Learning

Answering questions with experience



Machine learning은 Microsoft 제품에 폭넓게 적용

인공지능이 못하는 것?

중국의 기사 자동작성 인공지능 프로그램, 1분에 1천자분량 경제기사 작성

■ 아날로그/공정, 제작과정, 노동대체 2015.09.18 Posted by pcgeeks.tistory.com , 펌보다 링크를

태그 기사 자동작성, 인공지능, 콘텐츠 자동 생산

즈시 크소우지의 표차번

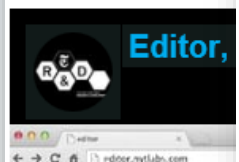


‘뉴욕타임스’, 머신러닝 기반 자동 태그 시스템 개발

BY 채반석 ON 2015.08.03

〈뉴욕타임스〉의 기사

지난 7월30일 니먼랩 개발했다고 보도했다.



Court Ruling in Senate Race a Tr

by Nate Cohn

A court ruling on Thursday may the independent candidate Greg the Republican Kansas senator could represent the deciding vote the Senate.

The Kansas Supreme Court una Taylor, A Democratic Senate ca from the ballot.

2016-03-17 11:30

픽토뮤직연구소, 인공지능 작곡

사진을 찍으면 바로 작곡이 된다
인공지능, 음악 영역에 도전장 '이제 누
인간의 예술영역 더욱 풍부해지고 넓어

성남--(뉴스와이어) 2016년 03월 17일
돌(33) 9단으로 인하여 세간의 이목이
작곡의 대중화를 위해 인공지능 작곡 기

오래 전부터 인류는 인간이 아닌 기계가
발한 인공지능 '쿨리타'는 기존 악보를
고난도의 음계를 재조합하여 작곡이 기

서울대 인지과학연구소의 장병탁 소장
수 있는데, 그러한 것들을 잘 결합함으로
해 낼 수 있다"고 말했다.

때문에 쿨리타는 아직은 정교한 음악 요소의 재조합에 불과할 뿐 창작으로 볼 수 없다는 의견도 있
다. 하지만 인공지능이 인간의 그윽한 영역이라고 생각했던 예술 분야에 발을 디딘 것만은 분명해



Experiments - Microsoft Passau Preview - Internet Explorer

https://passau.kg.cloudapp.net/Home/ViewWorkspace/1fb737473e974043b901841fd7ae3d72#Workspaces/Experiments/Experiment/1fb737473e974043b901841fd7ae3d72.b1e398e7b4214028867ecea4e4242eb/ViewExperiment

Experiments - Microsoft Passau Preview

File Edit View Favorites Tools Help

ML Studio

Enter feedback here

jammc's Workspace

Menu

Home

Search

Saved Datasets

Control Flow

Data Format Conversions

Data Input and Output

OData Reader

PQReader

Reader

StreamingReader

Writer

Data Transformation

Feature Selection

Machine Learning

Math and Statistics

OpenCV Library Modules

R Language Modules

Time Series

Miscellaneous

Iris Experiment

Finished running

Iris Three Class Data

Missing Values Scrubber

Project Columns

Metadata Editor

Split

Enter Data

Neural Network Multiclass Classifier

Train Model

Score Model

Score Model

Score Model

Evaluate Model

Properties

Neural Network Multiclass Classifier

Hidden layer specification

Fully-connected case

Number of hidden nodes

100

The initial learning weights dia...

0.1

The learning rate

0.1

The momentum

0

The type of normalizer

Binning normalizer

Number of learning iterations

100

Shuffle examples

Random number seed

0

Allow unknown categorical...

START TIME

6/18/2014 5:5...

END TIME

6/18/2014 5:5...

ELAPSED TIME

0:00:01.765

STATUS CODE

Finished

STATUS DETAILS

None

Quick Help

Create a multiclass classifier using a neural network algorithm

More info...

NEW

VIEW RUN HISTORY

SAVE

SAVE AS

DISCARD CHANGES

REFRESH

CANCEL

RUN

PUBLISH WEB SERVICE

90%

AI for workplace safety



10:25:25

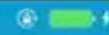


CAM 02

STORAGE AREA 04

No SIM

8:37 AM



Workplace Safety

Today at 8:34 AM

Hi

Where is a jackhammer

There is a jackhammer in the construction yard.

Show me non employees on the job site

Delivered

Say something...

Send

Q W E R T Y U I O P

A S D F G H J K L

↑ Z X C V B N M ↵

123



space

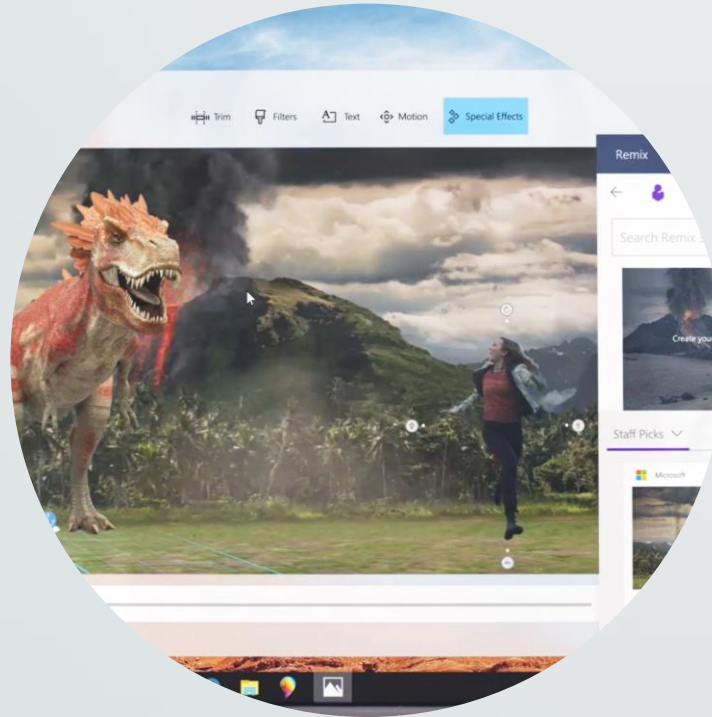
return

A N N O U N C I N G

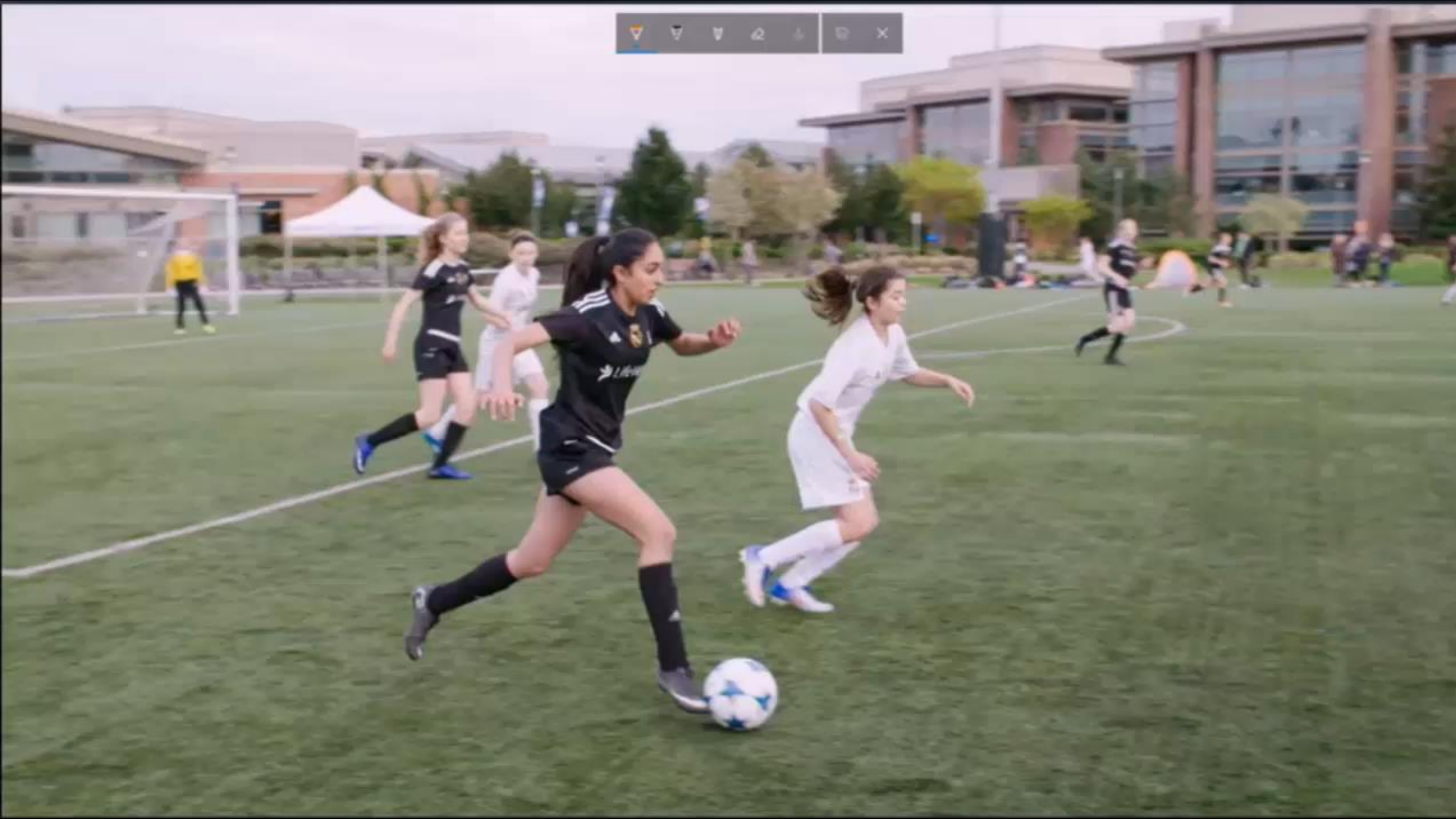


Fall Creators Update

ANNOUNCING



Windows Story Remix







Datacenter in Korea

최신기사

뉴스 홈 > 최신기사

부산에 MS 데이터센터 건립...클라우드허브 도약 기대

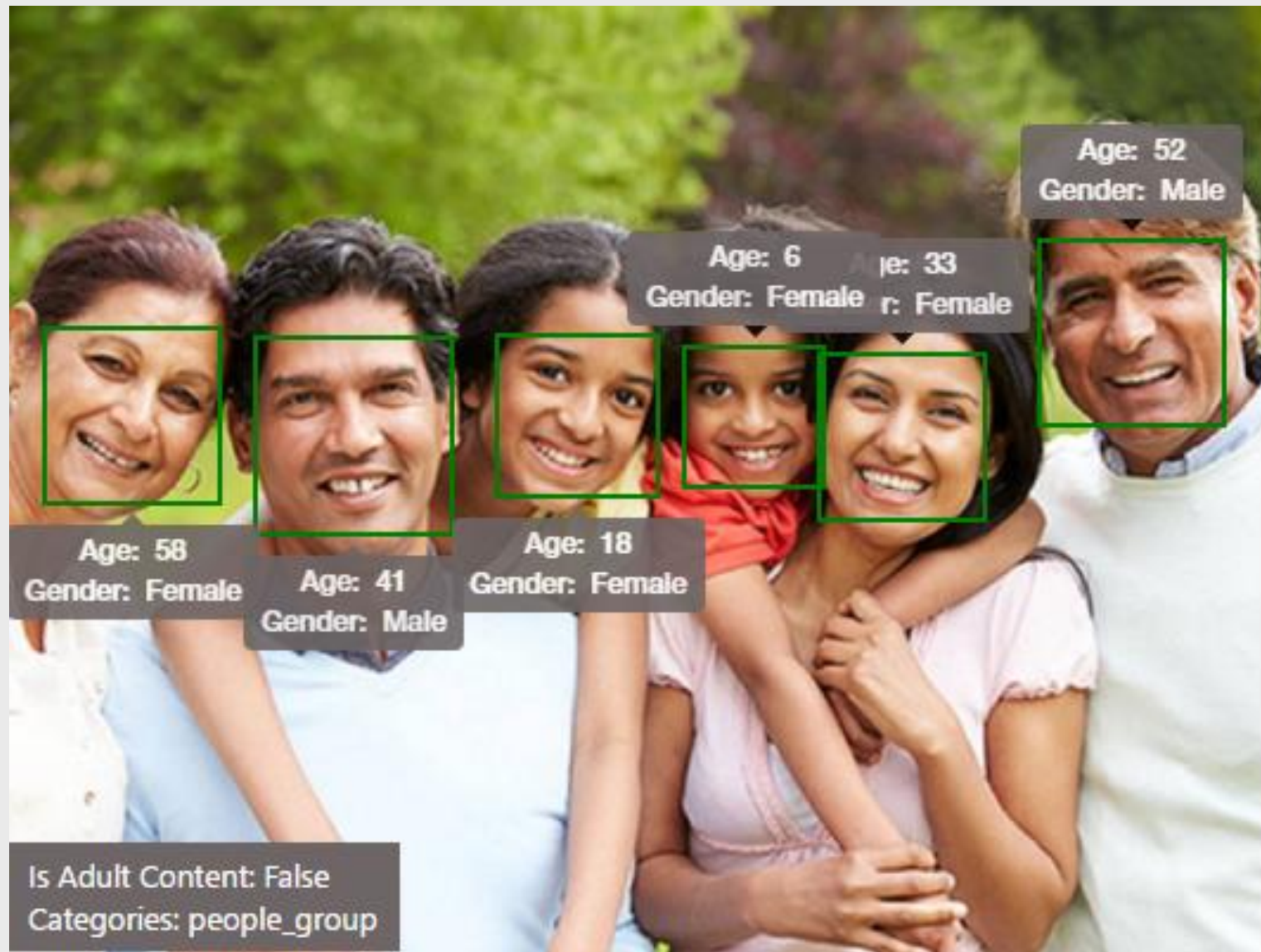
송고시간 | 2016/05/11 11:38



부산시, 한국MS 협약...앵커시설로 글로벌기업유치 기대

(부산=연합뉴스) 김상현 기자 = 글로벌 기업인 마이크로소프트가 부산 강서구 미음단지에 아시아권 데이터센터를 짓기로 하면서 부산이 글로벌 클라우드 허브로 도약할 수 있는 기회를 잡았다.

New Cognitive





flowers by

40 OLD
TOWN

BIRKSEN

(020)
76226466

40 OLD
TOWN

BIRKSEN

(020)
76226466

ROW-RO

Variety of Creative Apps



How-Old.net
HOW OLD DO I LOOK? #HowOldRobot



Sorry if we didn't quite get the age and gender right - we are still improving this feature



Try Another Photo!



TwinsOrNot.net
Are you twins? #TwinsOrNotRobot



Help us improve or start over

You can also click a pic to compare to someone new

Powered by Project Oxford



365



1.85K

Privacy & Cookies | Terms of Use | Trademark | © 2015 Microsoft



Microsoft



MyMoustache.net
15,381 faces analyzed and counting #MyMoustacheRobot

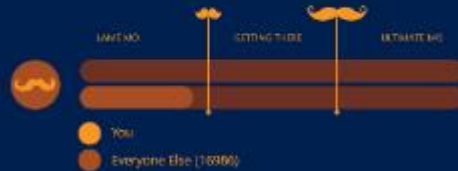


De-stache Me!

Try Again!

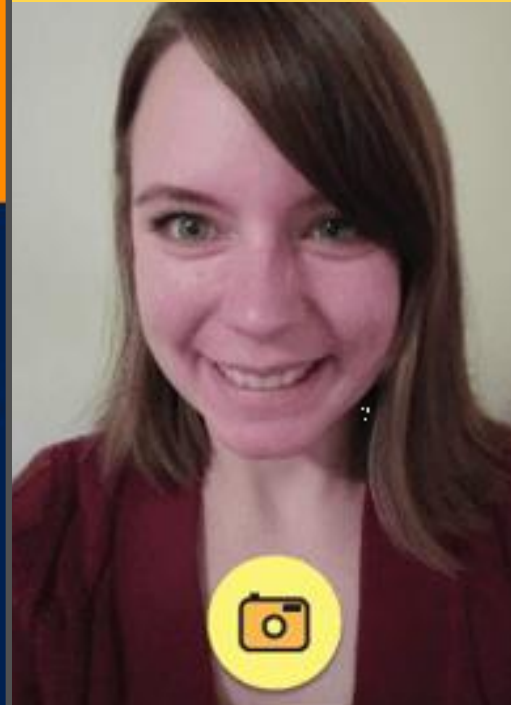
Sorry if we didn't quite get the moustache quite right - we are still improving this feature

It doesn't look like you have a moustache! #NOSTACHE



Mimicker Alarm

Mimic a happy face



CaptionBot

I think it's a young man jumping in the air on a skateboard.



How did I do?

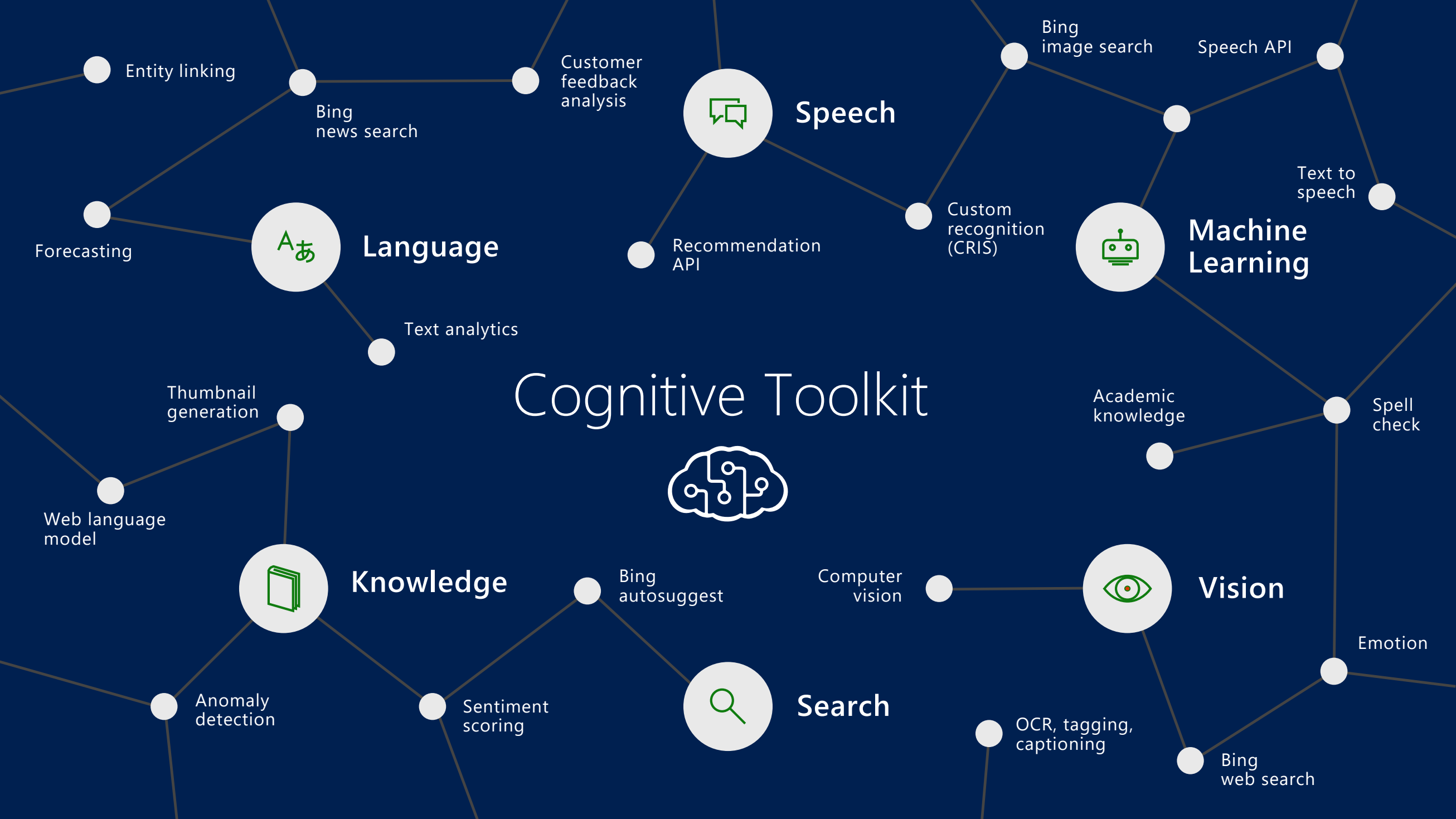


Try another

The Magic behind CaptionBot.ai

Powered by Microsoft Cognitive Services







Future of Order Taking

drivethru.wav

Start Recognition

Cognitive Services



Vision

Computer vision
Face
Emotion
Content Moderator
Video

NEW
Video Indexer

NEW
Cognitive Services Labs



Language

Text analytics
Spell check
Web language model
Linguistic analysis
Translator



Speech

Speaker recognition
Speech



Search

Web search
Image search
Video search
News search
Autosuggest



Knowledge

Academic knowledge
Entity linking service
Knowledge exploration
Recommendations
QnA maker

Cognitive Services



Vision



Language



Speech



Search



Knowledge

Computer vision

Face

Emotion

Content Moderator

Video

NEW

Video Indexer

NEW

Cognitive Services Labs

Text analytics

Spell check

Web language model

Linguistic analysis

Translator

Speaker recognition

Speech

Web search

Image search

Video search

News search

Autosuggest

Academic knowledge

Entity linking service

Knowledge exploration

Recommendations

QnA maker

NEW

Custom

Vision Service

Custom

Language
Understanding

Custom

Speech Service

NEW

Custom

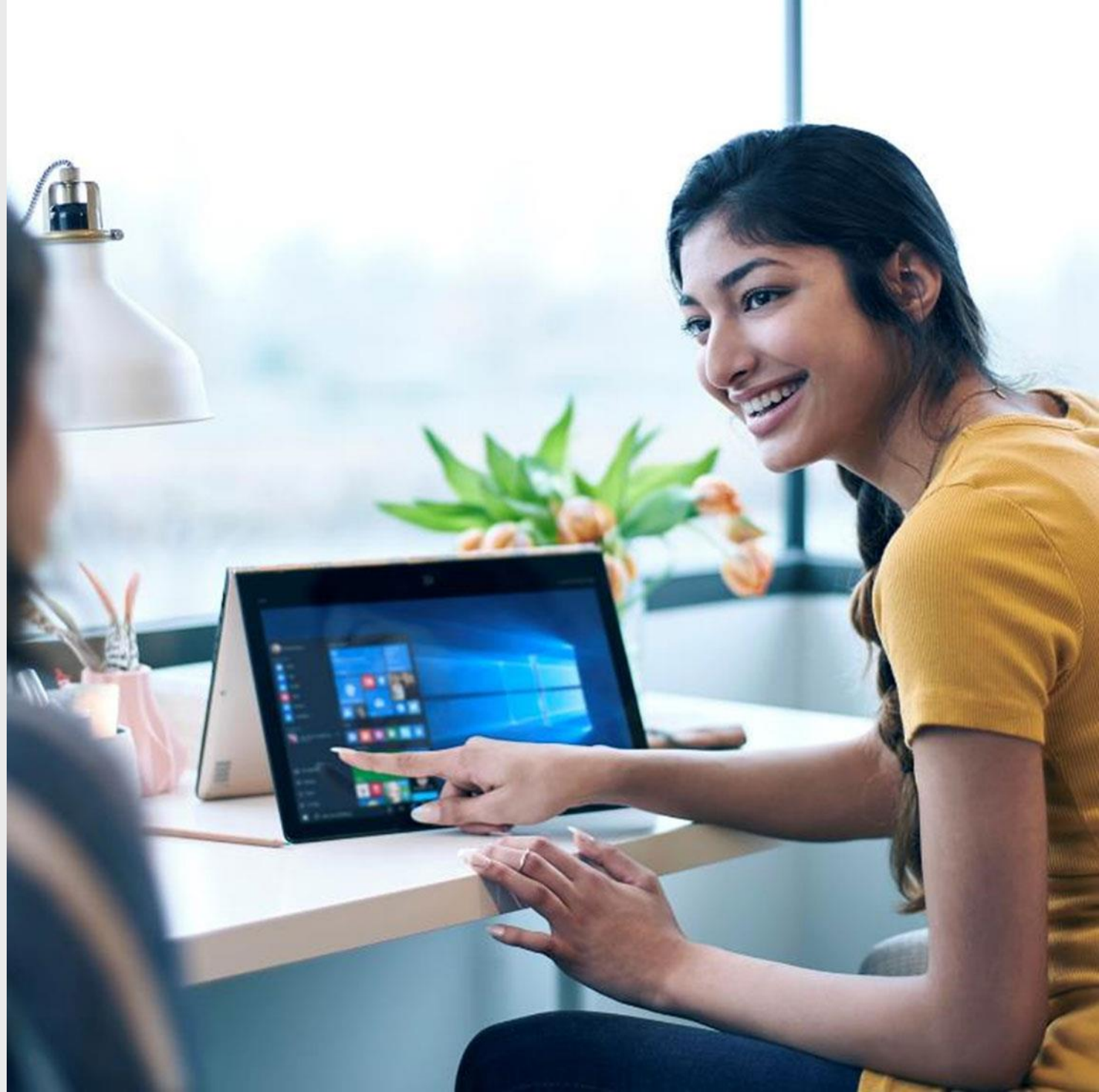
Search

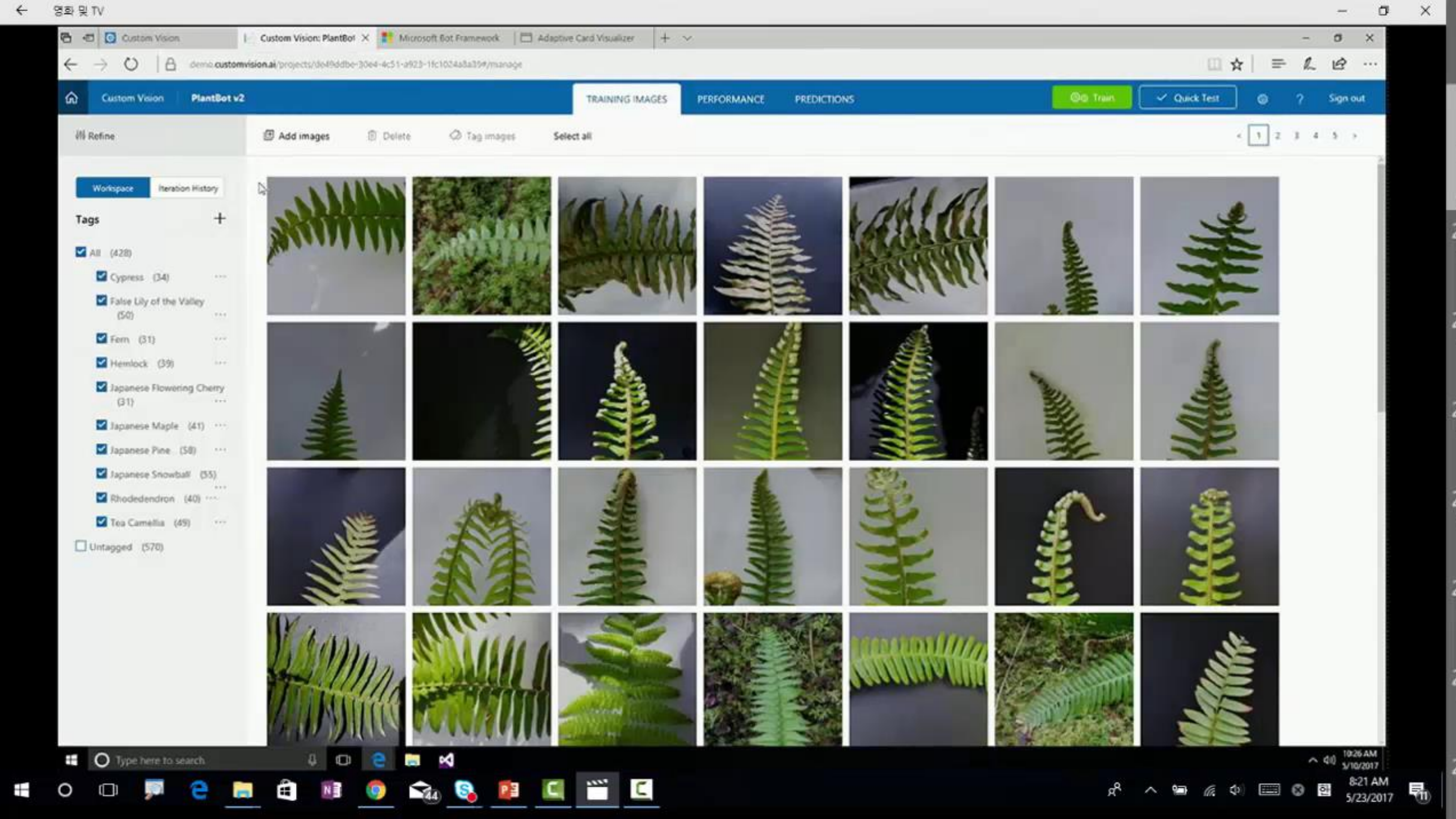
NEW

Custom

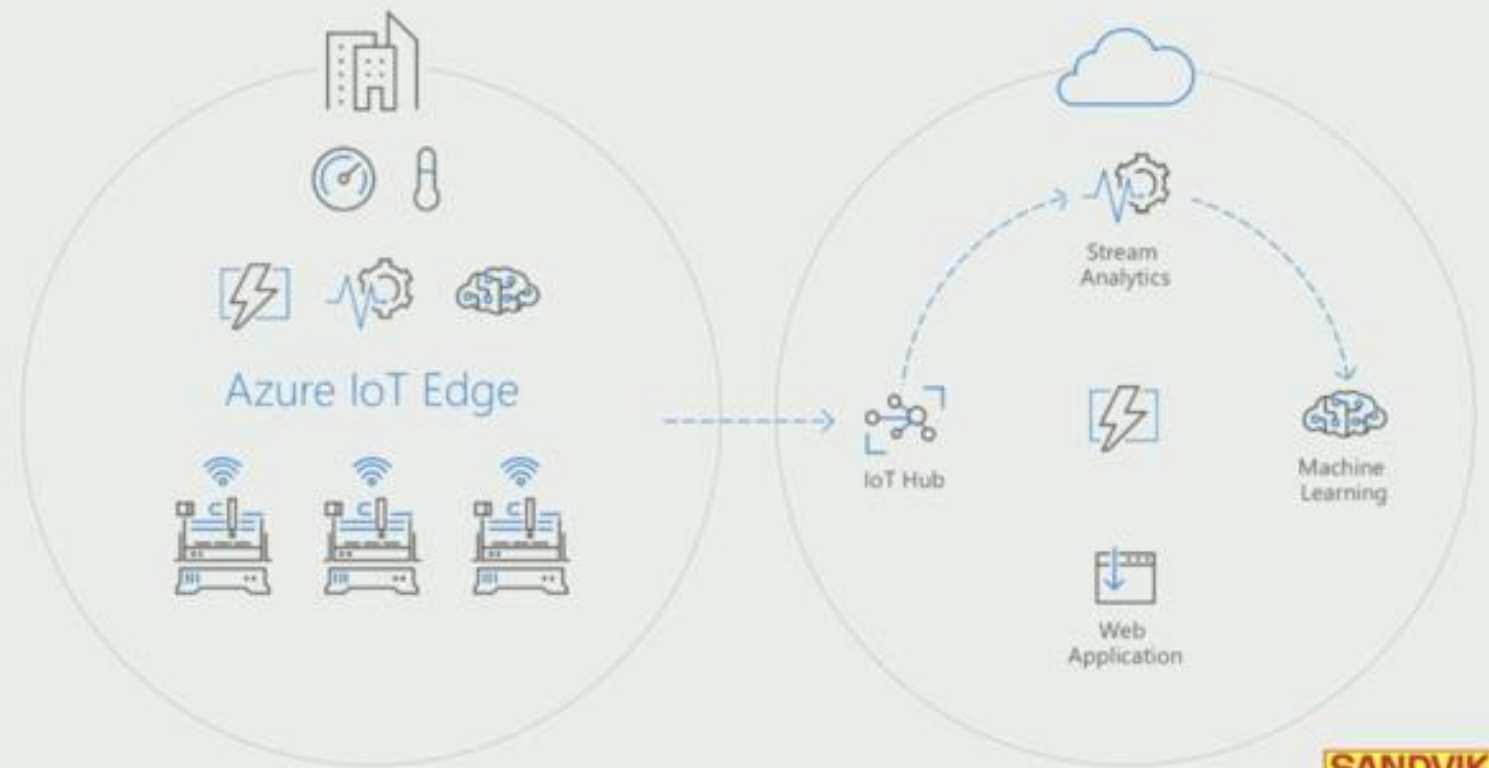
Decision Service

Video Indexer





Azure Batch AI Training



Azure + AI

Cognitive Toolkit

TensorFlow

Caffe

Data platform

Data Lake

NEW

Cosmos DB

SQL Server

Tools

Visual Studio | Azure Machine Learning | Bot Framework

Cognitive Toolkit | TensorFlow | Caffe

Services

e