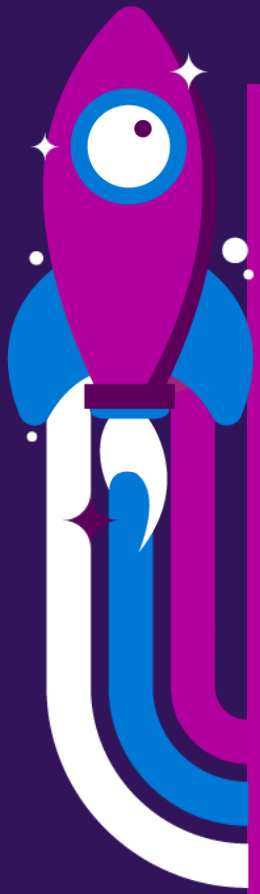
#FusionAIDay



KNOWLEDGE SERVICES

Martin Kearn, @MartinKearn

Vision

Language

Speech

Search

Knowledge

Computer vision
Face
Emotion
Content Moderator
Video
Video Indexer

Text analytics
Spell check
Web language model
Linguistic analysis
Translator Text

Translator Speech
Speaker recognition
Bing Speech

Web search
Image search
Video search
News search
Autosuggest
Entity search

Academic knowledge
Entity linking service
Knowledge exploration
Recommendations
QnA maker

Custom
Vision Service

Custom
Language Understanding

Custom
Speech Service

Custom
Search

Custom
Decision Service

+6 Cognitive Services Labs APIs

COGNITIVE SERVICES

Recommendations API PREVIEW

Predict and recommend items your customers want

Try Recommendations API | Use with an Azure subscription

Academic Knowledge API PREVIEW

Tap into the wealth of academic content in the Microsoft Academic Graph

Try Academic Knowledge API | Use with an Azure subscription

Knowledge Exploration Service PREVIEW

Enable interactive search experiences over structured data via natural language inputs

Try Knowledge Exploration Service

QnA Maker API PREVIEW

Distill information into conversational, easy-to-navigate answers

Try QnA Maker API

Entity Linking Intelligence Service API PREVIEW

Power your app's data links with named entity recognition and disambiguation

Try Entity Linking Intelligence Service API

Custom Decision Service PREVIEW

A cloud-based, contextual decision-making API that sharpens with experience

Try Custom Decision Service

KNOWLEDGE SERVICES

RECOMMENDATIONS

YOU MIGHT LIKE

...

- Cortana Solution Template
- Item-to-item recommendations
- Personalised recommendations
- Your inventory
- Your ‘usage data’

DEMO

JD SPORTS

Q&A MAKER

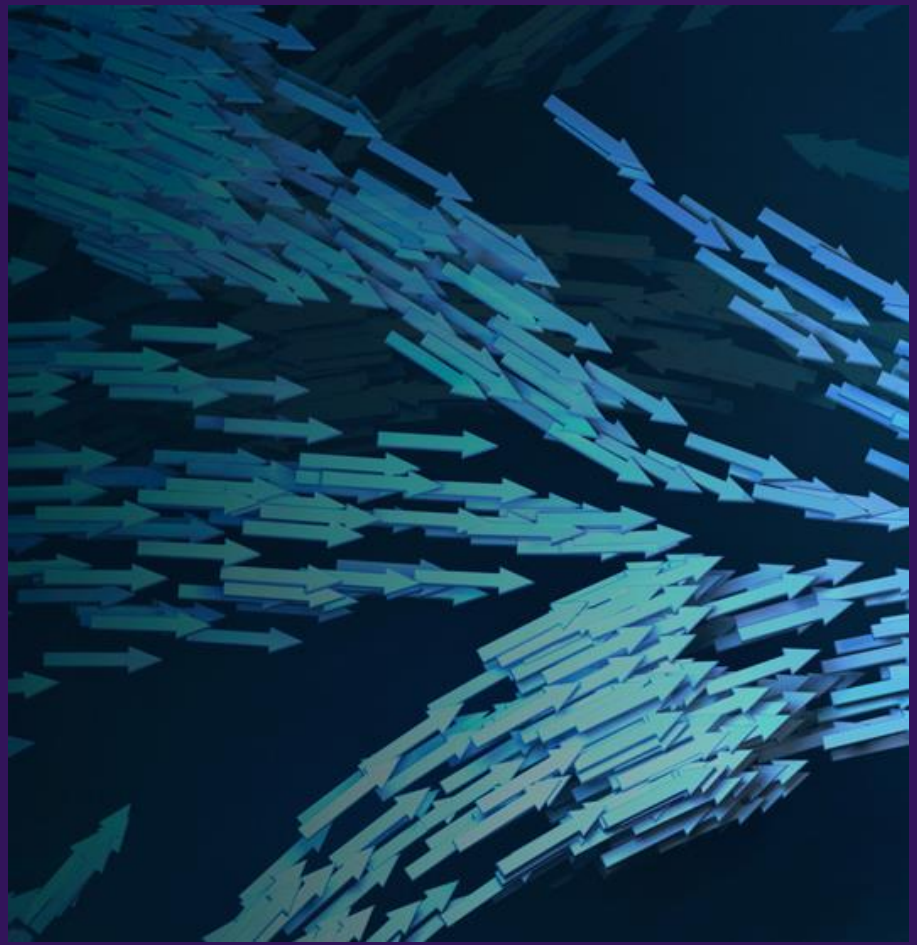
NATURAL FAQ

- Build a knowledge base of FAQs
- Natural language queries
- Expose as bot or API

CUSTOM DECISION SERVICE

EXPERIENCE LEARNING

- Realtime, dynamic decision making
- Learns based on users actions
- Adapts content based on learnings
- Show news they are interested
- Show related product categories



DEMO

KNOWLEDGE SERVICES LAB

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10:00	**Welcome**	Martin Kearn
10:15	**The Microsoft AI Platform**	Martin Kearn
10:45	**Computer Vision Services**	Frances Tibble
11:30	Break	
11:45	**Knowledge Services**	Martin Kearn
12:30	**Speech Services**	Jamie Dalton
13:00	Lunch	
14:00	**Language Services**	Frances Tibble
14:45	**Bots & Conversational Apps**	Jamie Dalton
15:30	Break	
15:45	**Machine Learning**	Mason Cusack
16:45	**Wrap-up & Close**	Martin Kearn