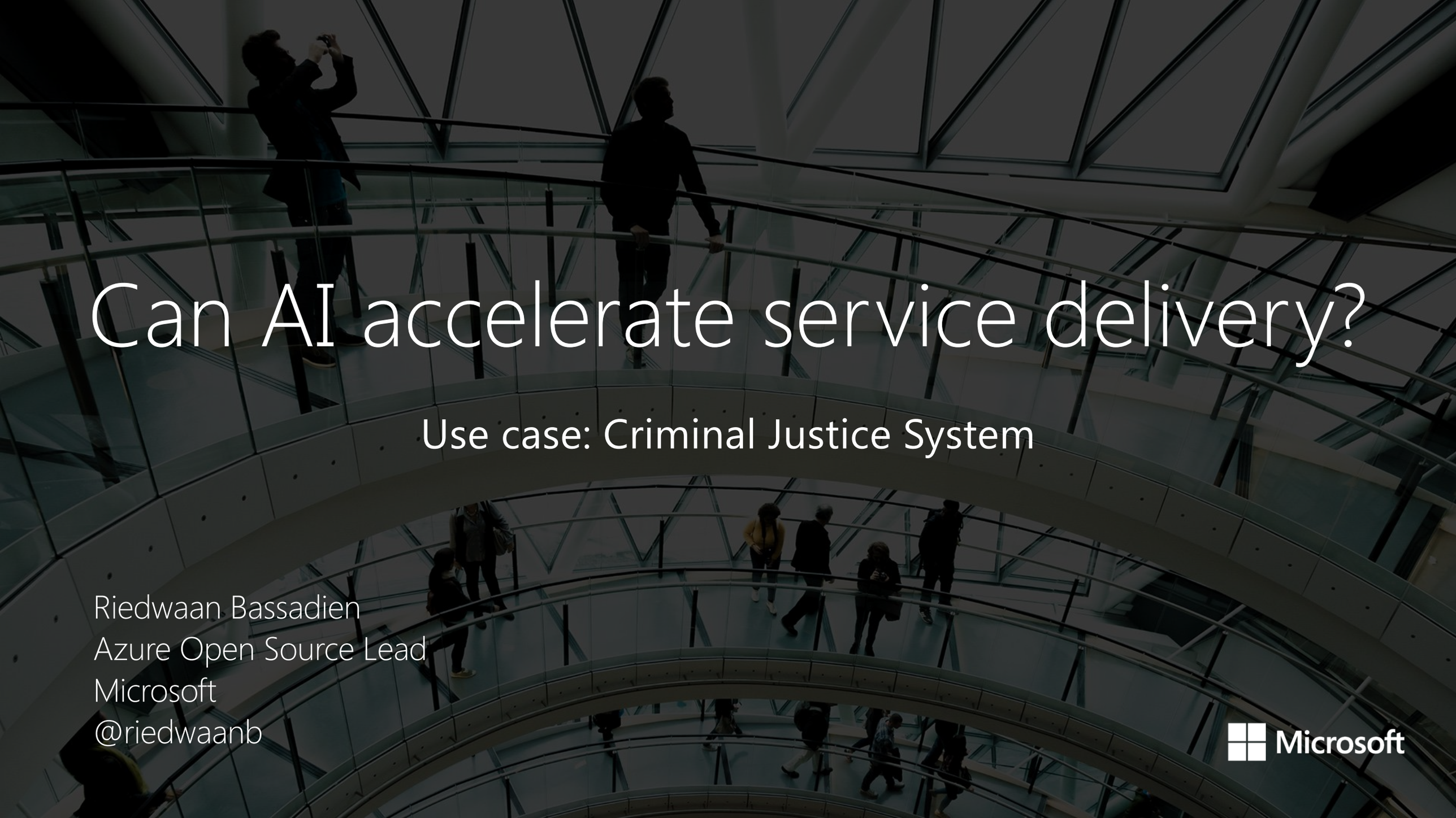


Can AI accelerate service delivery?

Use case: Criminal Justice System

Riedwaan Bassadien
Azure Open Source Lead
Microsoft
@riedwaanb

Microsoft

We are not talking about this today

Credit: RoboCop movie

Amplifying human ingenuity with intelligent technology

What is artificial intelligence?

Interacting

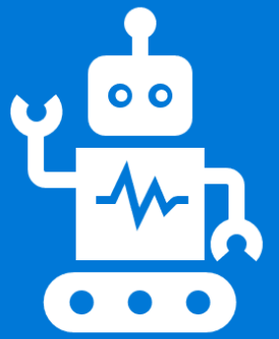
Interact with people in natural ways

Understanding

Interpret meaning of data including text, voice, images

Reasoning

Learn and form conclusions with imperfect data



Engaging the Citizen.
Demo: Let's build a Bot.

http://www.justice.gov.za/faq.html

Interacting

Interact with people
in natural ways

the doj & cd
Department:
Justice and Constitutional Development
REPUBLIC OF SOUTH AFRICA

694
Shares

FAQs

Frequently Asked Questions

If you do not find the answer to your query here, please e-mail it through to webmaster@justice.gov.za

Legal Advice

Legal Aid South Africa provides professional legal advice and representation to those who can't afford it. Visit their website for information or call them on the **Legal Aid Advice Toll Free Line: 0800 110 110**

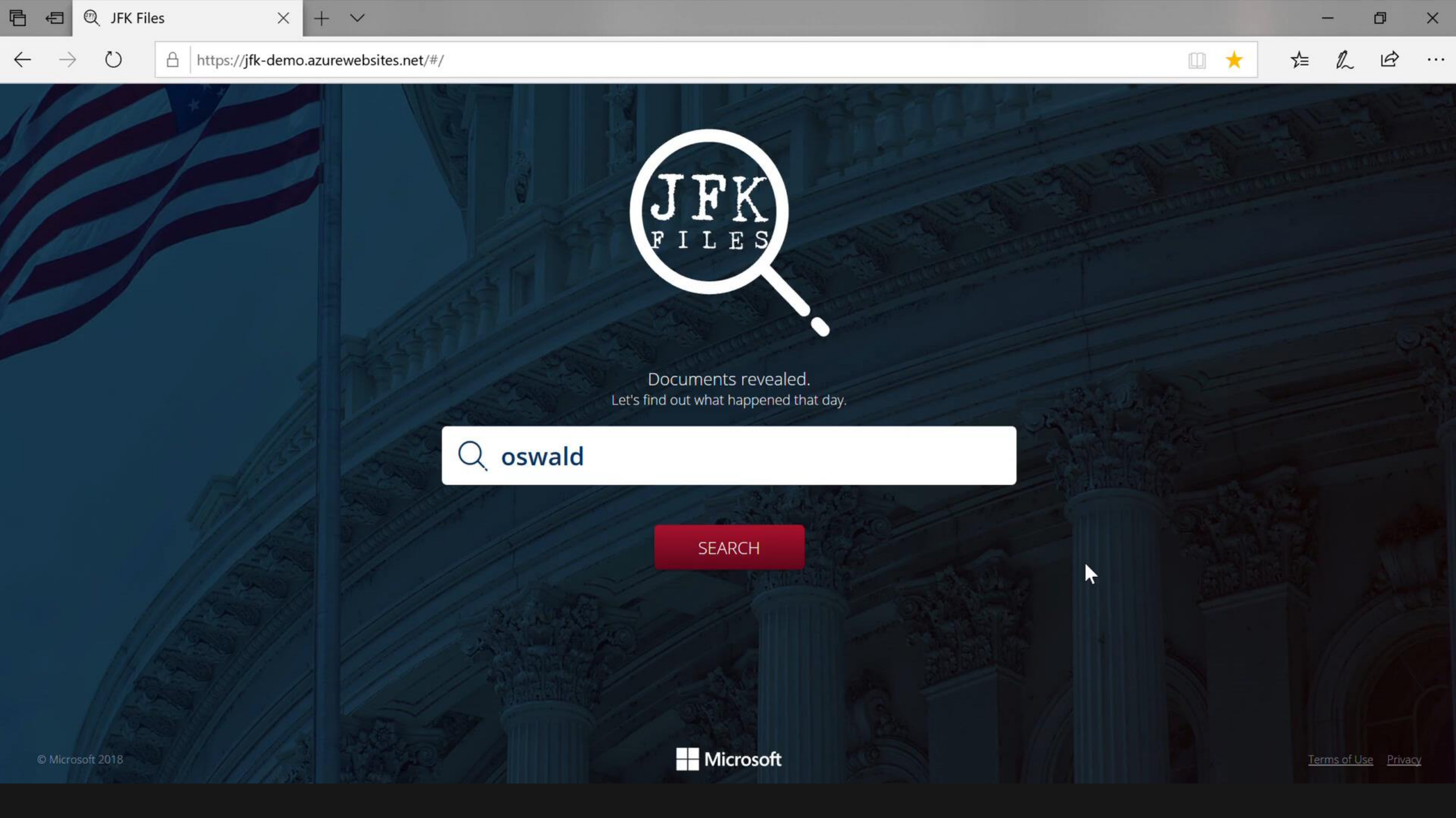
FAQs

- Apostille Certificates or a Certificate of Authentication
  In South Africa the Department of International Relations and Co-Operations are the administrators of this process. Consular notarial services are rendered to South African citizens and foreign nationals requiring South African official (public) documents to be legalised for use abroad. These services are rendered to provide legal validity to South African official (public) documents to enable a person to use the documents outside the Republic of South Africa. Legalising documents means that official (public) documents executed within the Republic of South Africa for use outside the Republic of South Africa are affixed, sealed and signed either with an Apostille Certificate (where countries are signatory to the Apostille Convention) or with a Certificate of Authentication (where countries are not signatory to the Apostille Convention).
- Bail
- Divorce - Legal Aid South Africa's **Self-Help Guide to Obtaining a Decree of Divorce.**

Demo: Assisting Complex Investigations with Cognitive Search

Understanding

Interpret meaning of data including text, voice, images

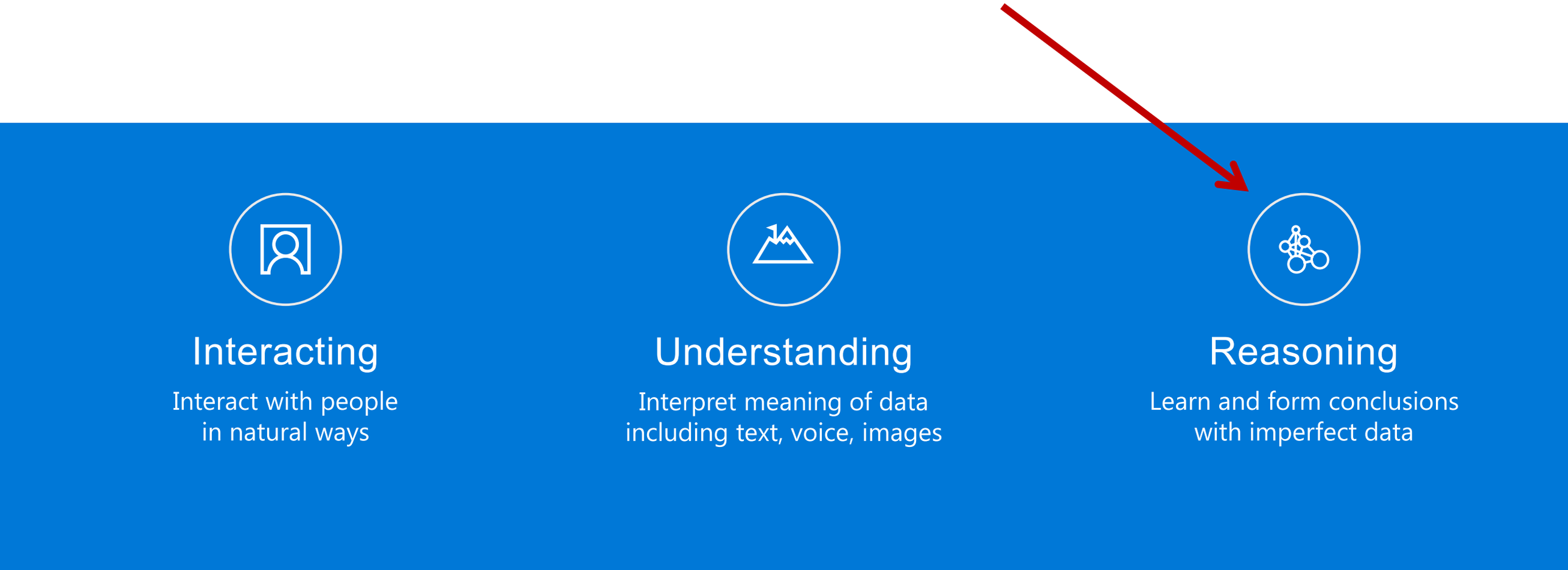

JFK Files
https://jfk-demo.azurewebsites.net/#/
JFK
FILES
Documents revealed.
Let's find out what happened that day.
oswald
SEARCH
© Microsoft 2018
Microsoft
Terms of Use
Privacy

Video: Improving Situational awareness in law enforcement

Understanding

Interpret meaning of data
including text, voice, images

What about this?



Interacting

Interact with people
in natural ways

Understanding

Interpret meaning of data
including text, voice, images

Reasoning

Learn and form conclusions
with imperfect data

NZ roads are different
Allow extra time

Human Decisions and Machine Predictions

Jon Kleinberg Himabindu Lakkaraju, Jure Leskovec, Jens Ludwig, Sendhil Mullainathan

Outcome:
1. Reduce Crime rate by 25% - without putting a single additional person in Jail
2. Reduce Jail population by 42% - without increasing the crime rate at all

Published:
26 August 2017

The Quarterly Journal of Economics, Volume 133, Issue 1, 1 February 2018, Pages 237–293,
https://doi.org/10.1093/qje/qjx032

What does the roll look like today?

What is your assessment on bail for case XGN3784?

Microsoft AI

Amplifying human ingenuity with intelligent technology

Administration of Justice	Integrated Justice System	Legislation	Judicial System (courts)
Constitutional commissions	Other Legal role-players and structures	International legal Relations	Correctional Services

Engage and service citizens more effectively

Empower employees to deliver efficient service

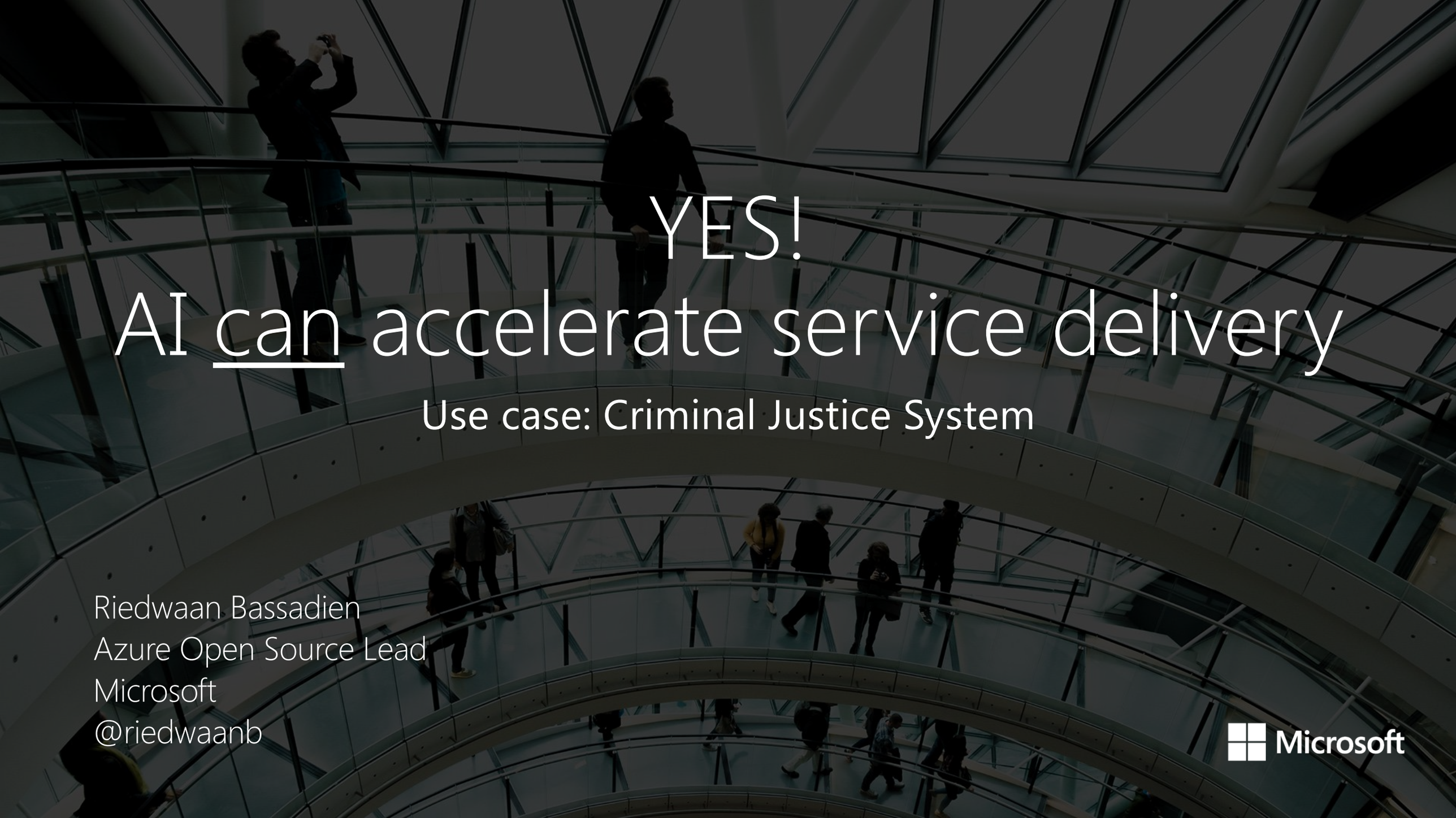
Optimize government operations

Transform services and leverage 4IR

Microsoft AI

54 regions worldwide

140 available in 140 countries



YES!
AI can accelerate service delivery

Use case: Criminal Justice System

Riedwaan Bassadien
Azure Open Source Lead
Microsoft
@riedwaanb

Microsoft