DG SANTE
Amplifying investigation results

AI-enhanced tracing in the agri-food chain

18th November 2024

Outline

- Prototype
- EC Cloud Strategy
- TraceMap’s cloud infrastructure
- Personal data & the cloud

Prototype

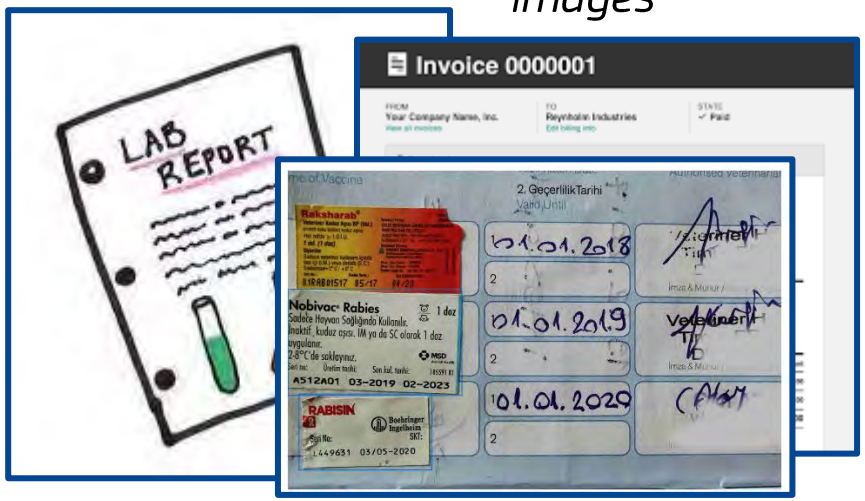
What has been done

European Commission

Applying AI to trace agri-food supply chain

Multiple databases & Communications with MS

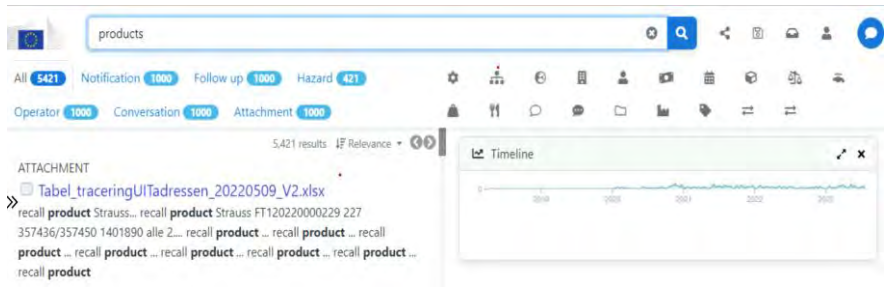
Documents and images



sinequa

OpenAI

Azure AI Document Intelligence



Search based application

Knowledge Graph

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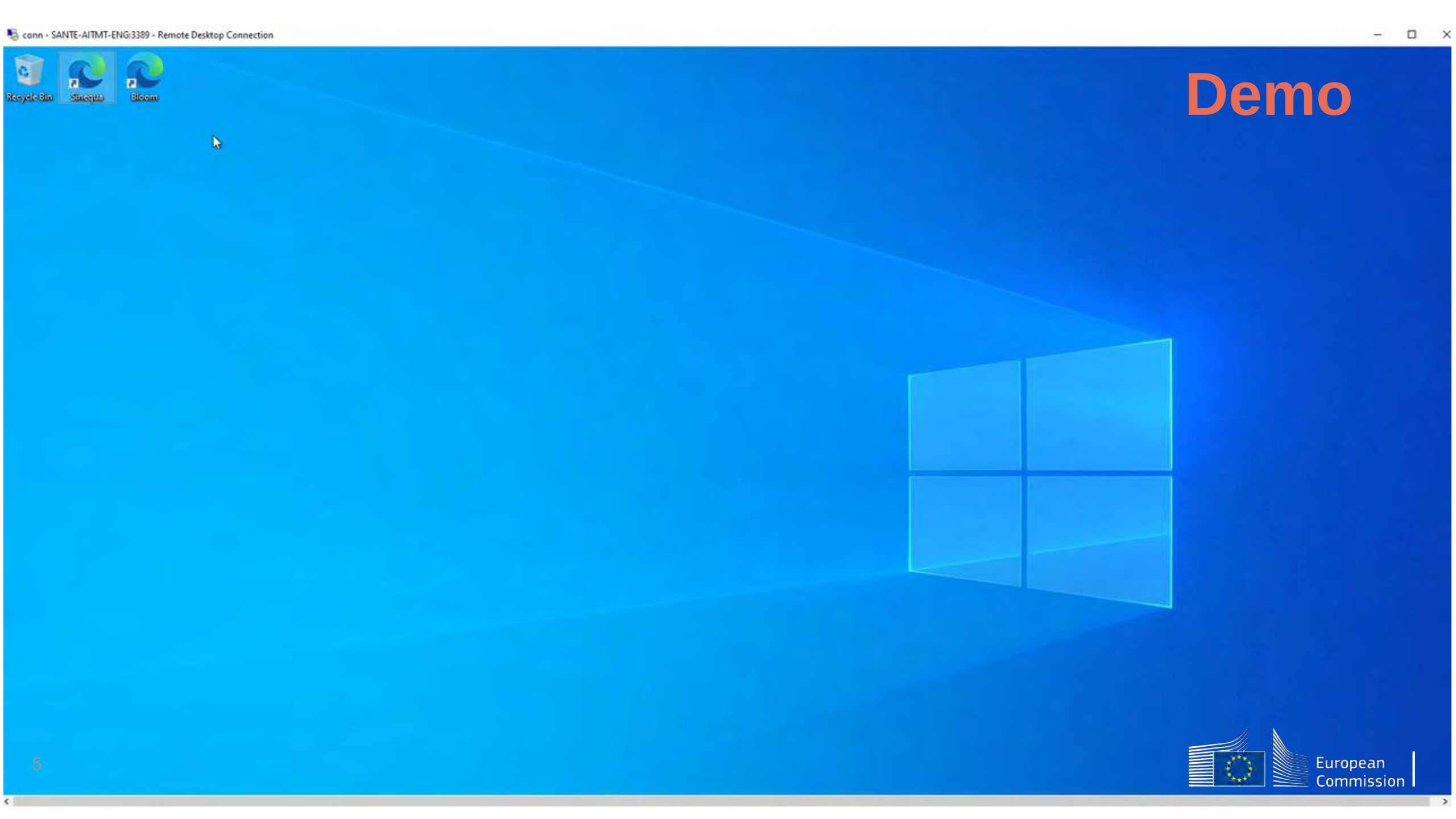
conn - SANTE-AITMT-ENG:3389 - Remote Desktop Connection
Recycle Bin
Sinequa
Bloom
Demo
5
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EC Cloud Strategy

A modern, flexible, and resilient approach

European Commission

Any new development and reassessment of existing information systems for transformation, rewriting or replacement should be cloud-native

Corporate Digital Strategy of the European Commission (June 2022)

European Commission

Cloud services

- Innovative & ready for consumption
- Flexible and pay-per-use model:
  - Deal better with usage peaks
  - Reasonable cost point
- Enabler for data-driven systems
- Global security services reduce corporate IT risks.
- Create conditions for proactive monitoring

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TraceMap's cloud infrastructure

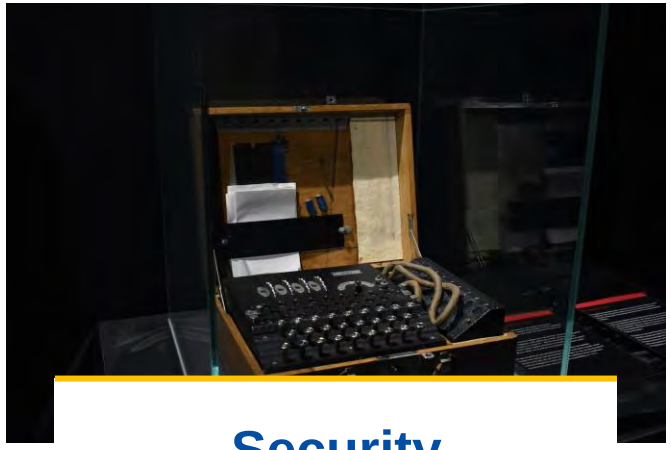
Setting up a secure technical solution

European Commission

Bring up value to the business…

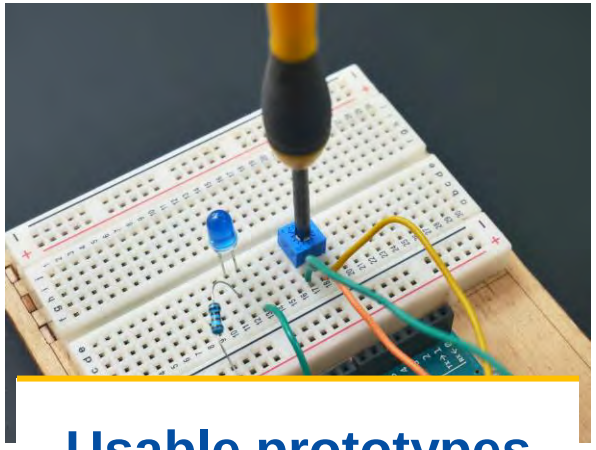
Business value

- Assist business in being more efficient
- Continuous learning from IT and business sides, in a moving landscape.



Security

- ‘Sensitive Non-Classified’ (SNC) Data
- Personal data



Usable prototypes

- Analyse cloud market
- Test different technologies
- Dealing with unknown data quality

… in a secure way

- DIGIT's Cloud Center of Excellence
  - Guidelines for SNC systems
  - Risk assessment
- Benefits of using cloud services
  - Security services and features ready to use
  - Additional security requirements and controls for SNC data
  - EC Cloud security policy: additional security controls

Personal data

Processing joint controlled data in the cloud

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Member States' data and the Cloud

- Solidarity Platform: Welcoming refugees from Ukraine
  - Member States are data controllers
  - Written agreement from Member States is required to stored data in the cloud
- Analysis of cloud requirements from Members States
- Cloud council EC recommendations
  - Non-EU cloud provider acceptable if EU ones do not offer enough options or efficiency
  - Follow recommendations for SNC
  - Explain the choice and security measures

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TraceMap

- IMSOC Regulation comprises TRACES and iRASFF (article 3)
  - Competent Authorities of Member States and EC are joint controllers (article 11)
  - Personal data (Data Protection Record)
    - Economic operator's & Attachments
    - No personal data belonging to 'special categories'
- Written agreement based on template provided by EC specialized services
  - Provider (Microsoft) & cloud services provided
  - Environment: security, data encryption, and location (EU)

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Thank you

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