BoF-FSA Wingman

Secure Agentic AI in central banking

SUOMEN PANKKI
EUROJÄRJESTELMÄ
FINLANDS BANK
EUROSYSTEMET

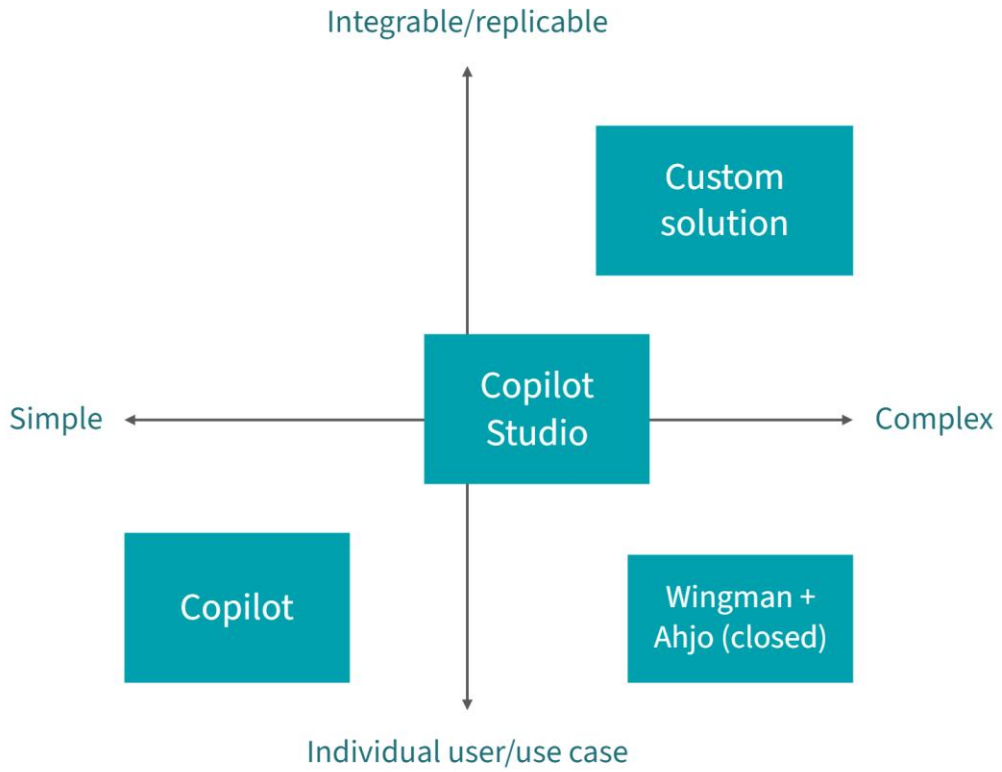
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Leevi López Kujala
Rahoitusvakaus- ja tilasto-osasto, Suomen Pankki

Why

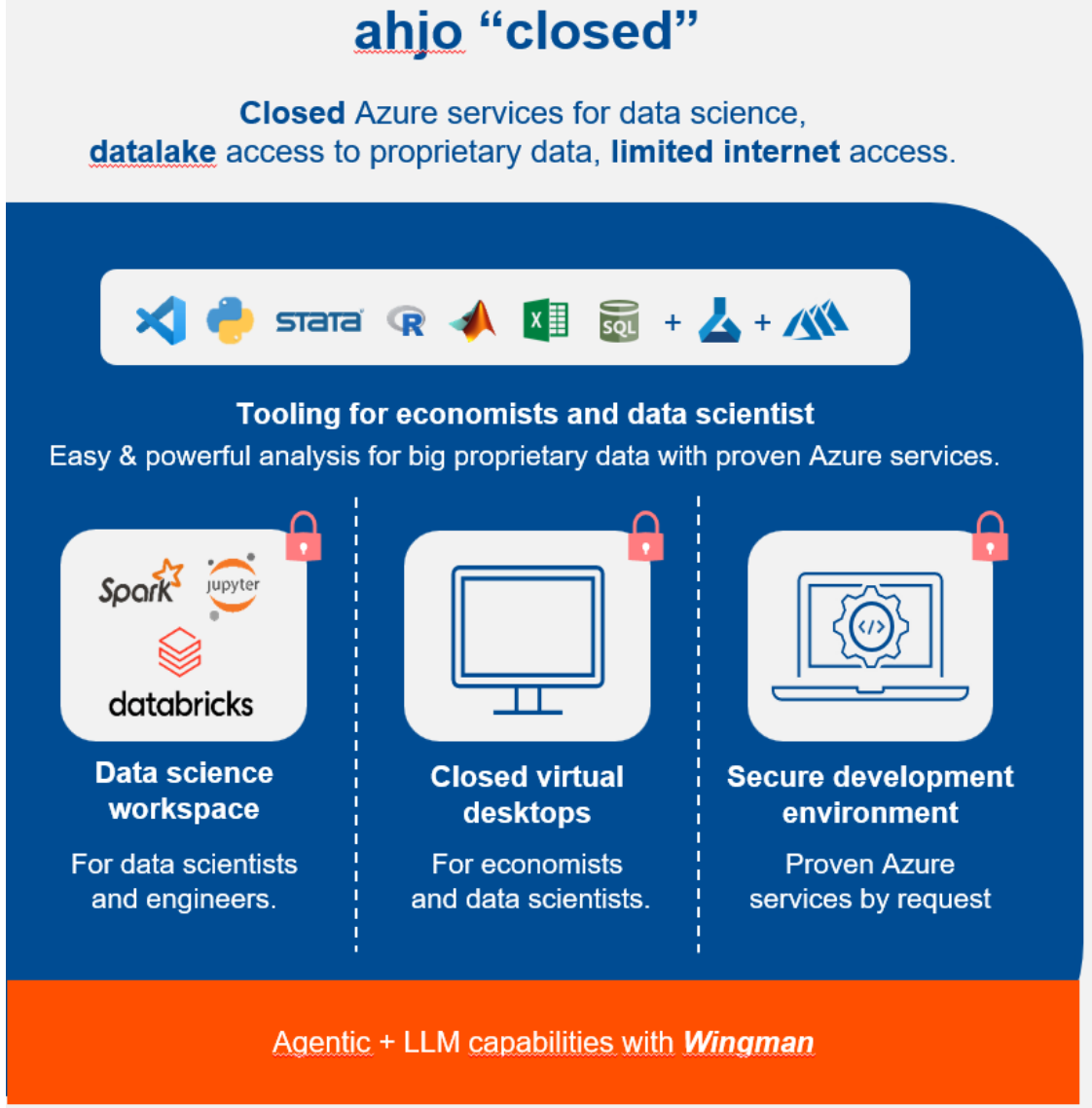
- As a regulated institution we must have the benefits of generative AI without compromising safety. Neither side is optional, and that combination is exactly what an in-house setup delivers.
- The usefulness of any AI tool here is decided by whether it can securely interact with our own data. Our analysis lives where the data lives, so a tool that cannot safely reach it remains surface-level help.
- Central bank data mostly cannot leave the organization, so the agent and the models must come to the data. This is what makes agentic AI possible here at all.
- We want access to the latest models for demanding data analysis and econometric/research tasks

Landscape overview (Complexity vs. Usage model)



Wingman

- 3 main components
  - **Harness**: GitHub Copilot (CLI / VS Code)
  - **LLM**: Language model hosted in Azure
  - **Environment**: Ahjo “closed” virtual machine
    - Highly restricted internet access
    - Access to internal data sources limited according to the user's access rights and other restrictions
- Connections to internal sources via local MCP servers or direct Python scripts
- Environment is highly customizable
  - Eg. each user can create their own skills



Example, agentic approach for analysis

- Very simple use case, carried from start to end
- The goal: **retrieve Finnish households' aggregate loan stock from the latest 3 periods from internal sources and plot the data as a BoF time series**
  1. Fetch information from internal sources
  2. Write and execute the visualization script (python)
  3. Iterate with the agent until we get the desired output

0 lines of code manually written and 0 scripts manually run, ie. ”fully” agentic

Project timeline

- Technical POC ☑️
- **Production pilot (preparing to launch, current stage)**
- Production

Thank you!

Questions?

Leevi.LopezKujala@bof.fi

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