

APL Worker Bees

Another Way to Run APL Tasks in Parallel

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Agenda

- About SimCorp
- Presentation of the idea
- Demonstration of the solution
- Questions



About SimCorp

- Founded in Denmark 1971
- Recently taken over by Deutsche Börse
- Develop systems for investment management (SimCorp Dimension and Sofia + a few others)
- 2500+ employees, 80 nationalities in 29 offices worldwide
- 2.6+ million lines of APL code (SimCorp Dimension)
- Many million lines of C# code

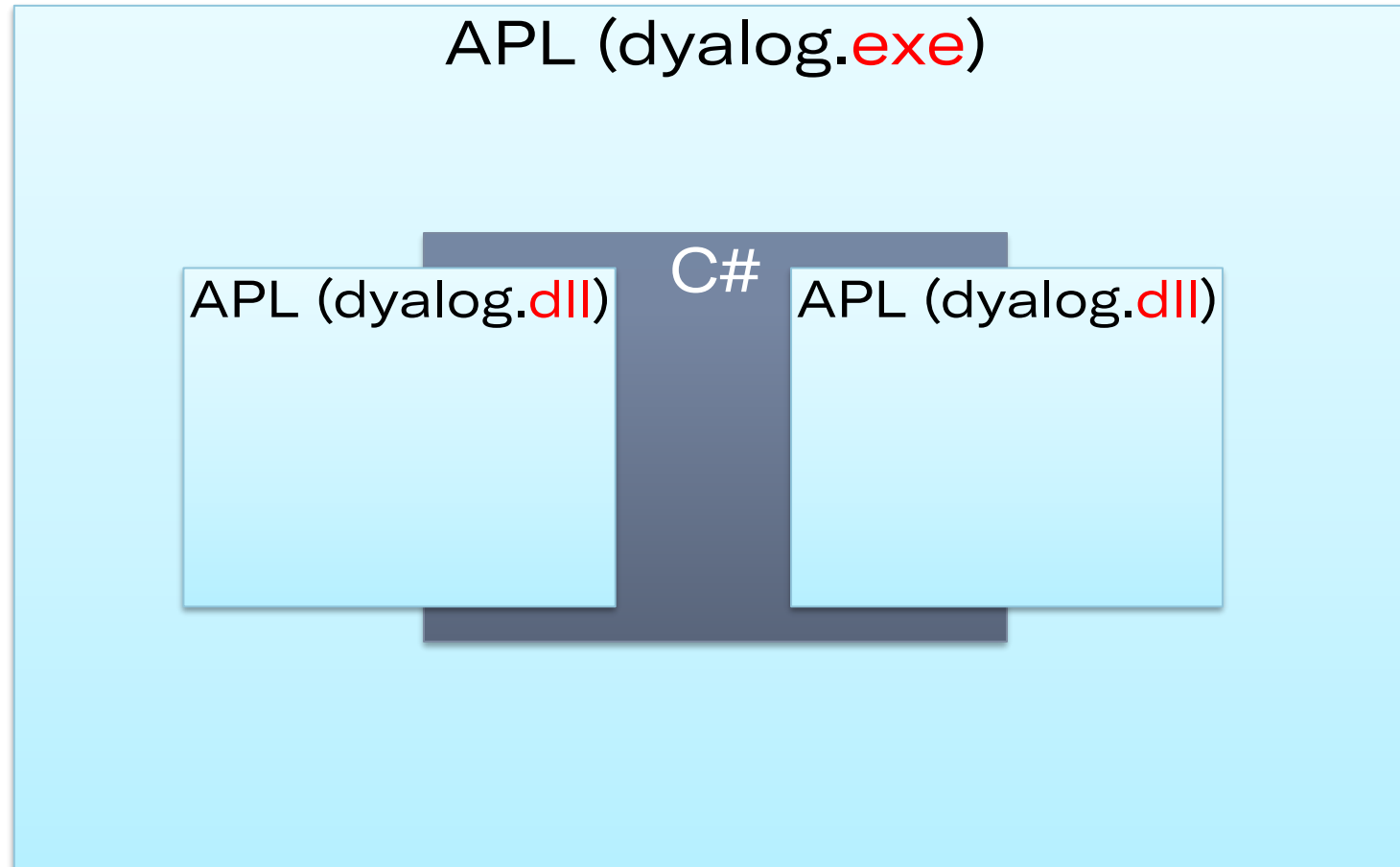


Presentation of the idea

- SimCorp is moving SimCorp Dimension “into the cloud”
- We decided to develop a new platform in C#, where each process supports:
 - Multi tenant, session, user...
 - Each user session has its own **hosted** APL session
- I wanted to make a simple solution with “hosted APL” that could be shared with the APL community

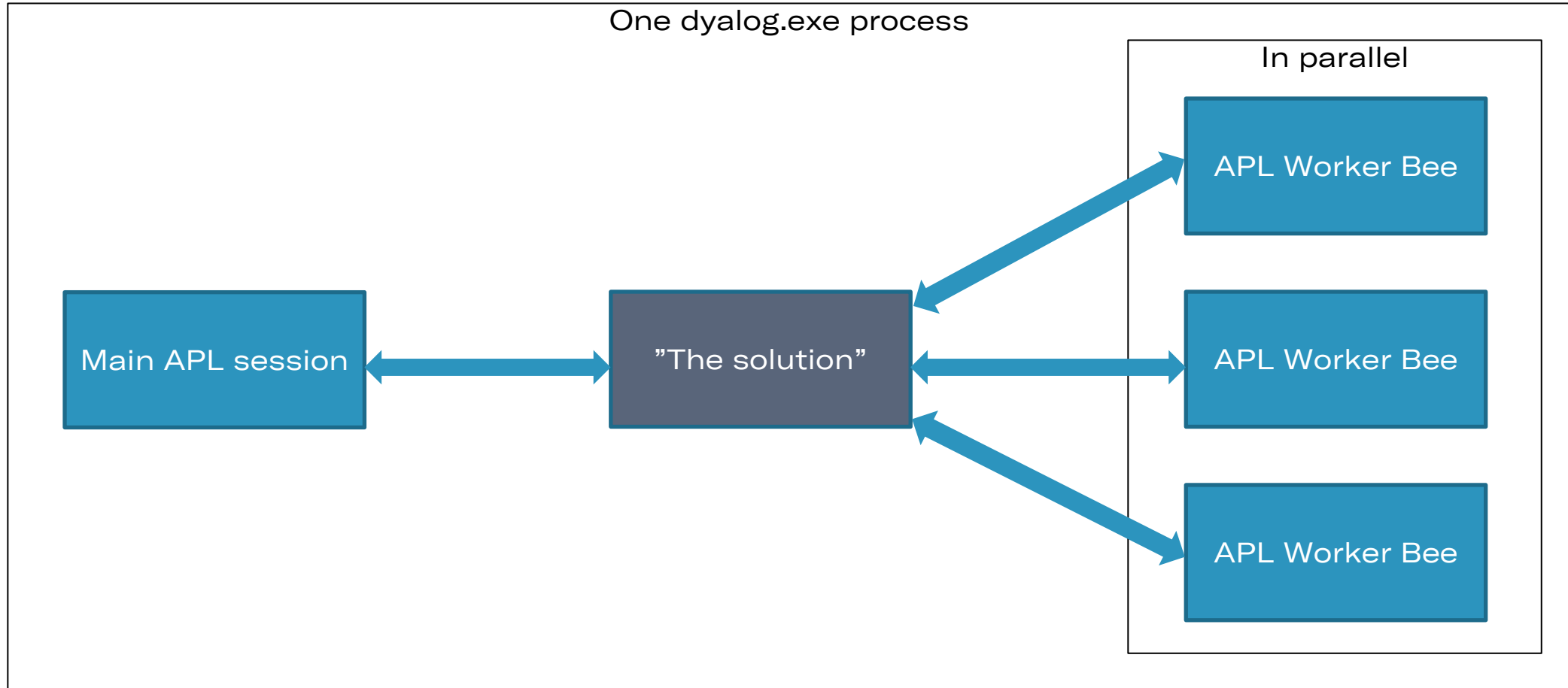


How we run APL sessions today and tomorrow





The "Worker Bees" idea





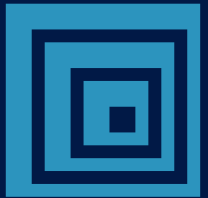
Disclaimers

- My first experience with “Standard Dyalog IDE” – so please bear with me!
- This is mostly a C# solution and requires some understanding of the “async/await” pattern
- Watching John Daintree's presentations on “2022 Conference Edition Part 3 – Future(s)” from last years conference would be a good idea
- The solution is just a template for inspiration – not a fully functional solution (e.g. poor error handling etc.)



How to download and use

- Goto GitHub repo:
<https://github.com/mkromberg/deliverapl>
- “Clone it” (git clone
<https://github.com/mkromberg/deliverapl>)
- Read the README.md in /WorkerBees folder



SimCorp

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