On Distributed Knowledge Bases for Small-Batch Assembly

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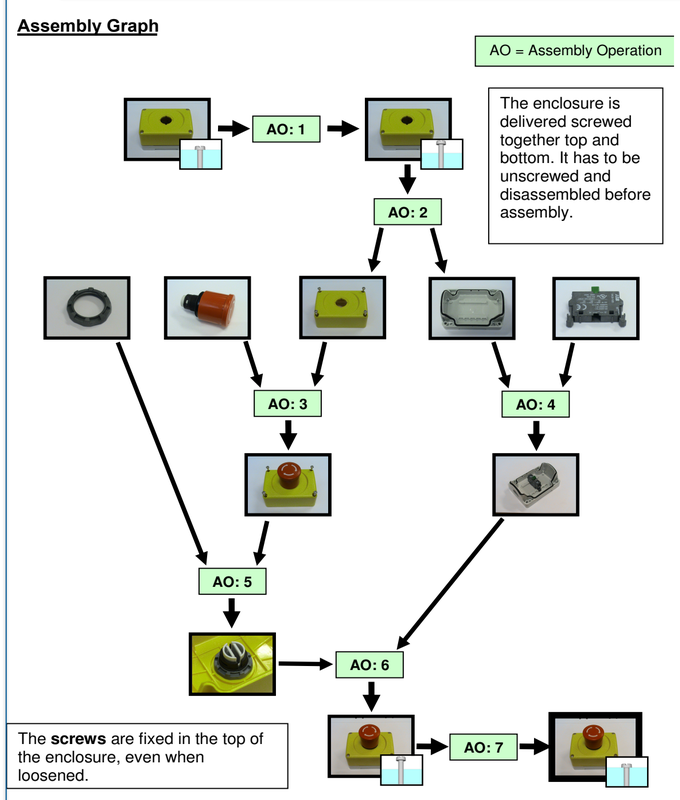
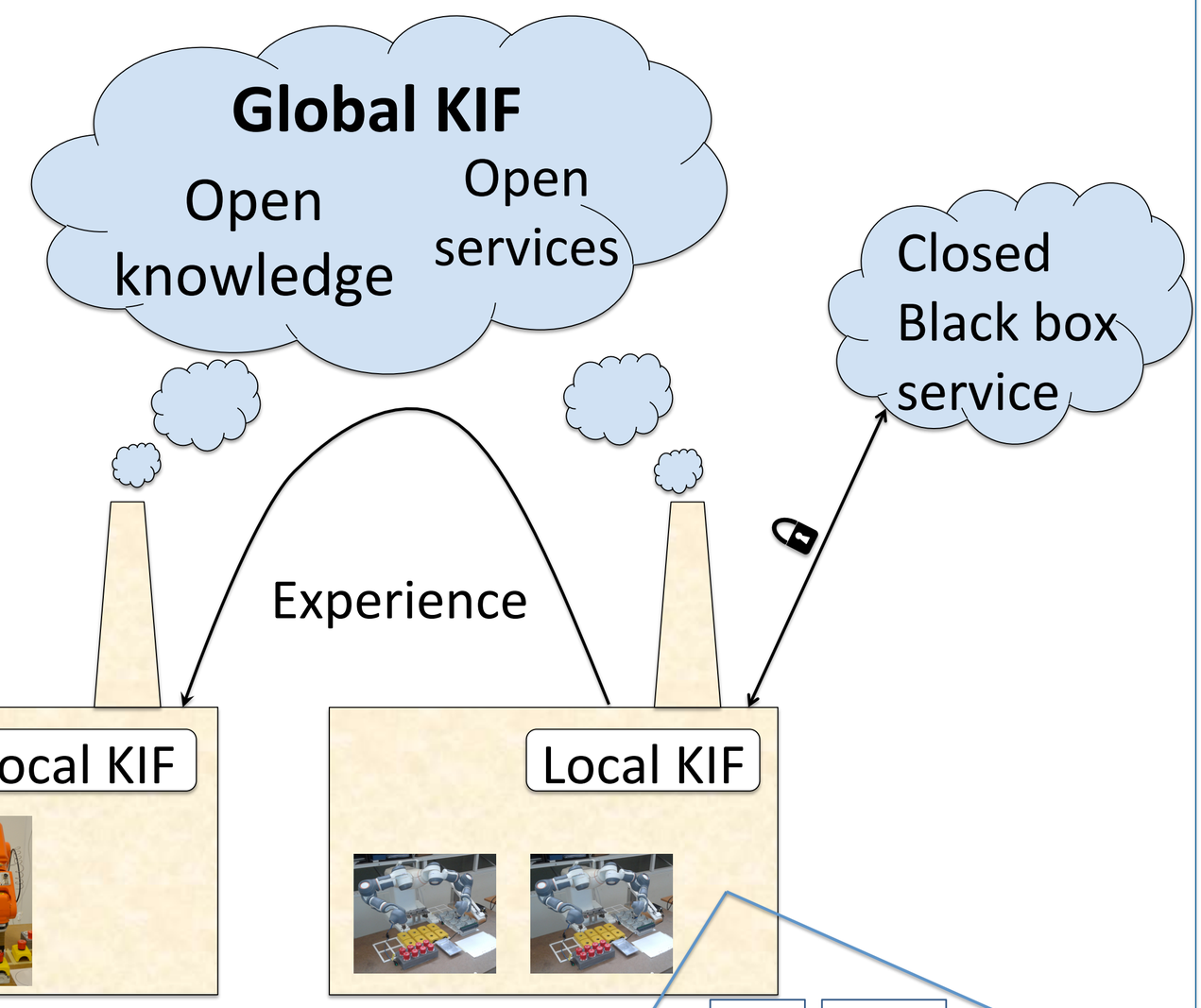


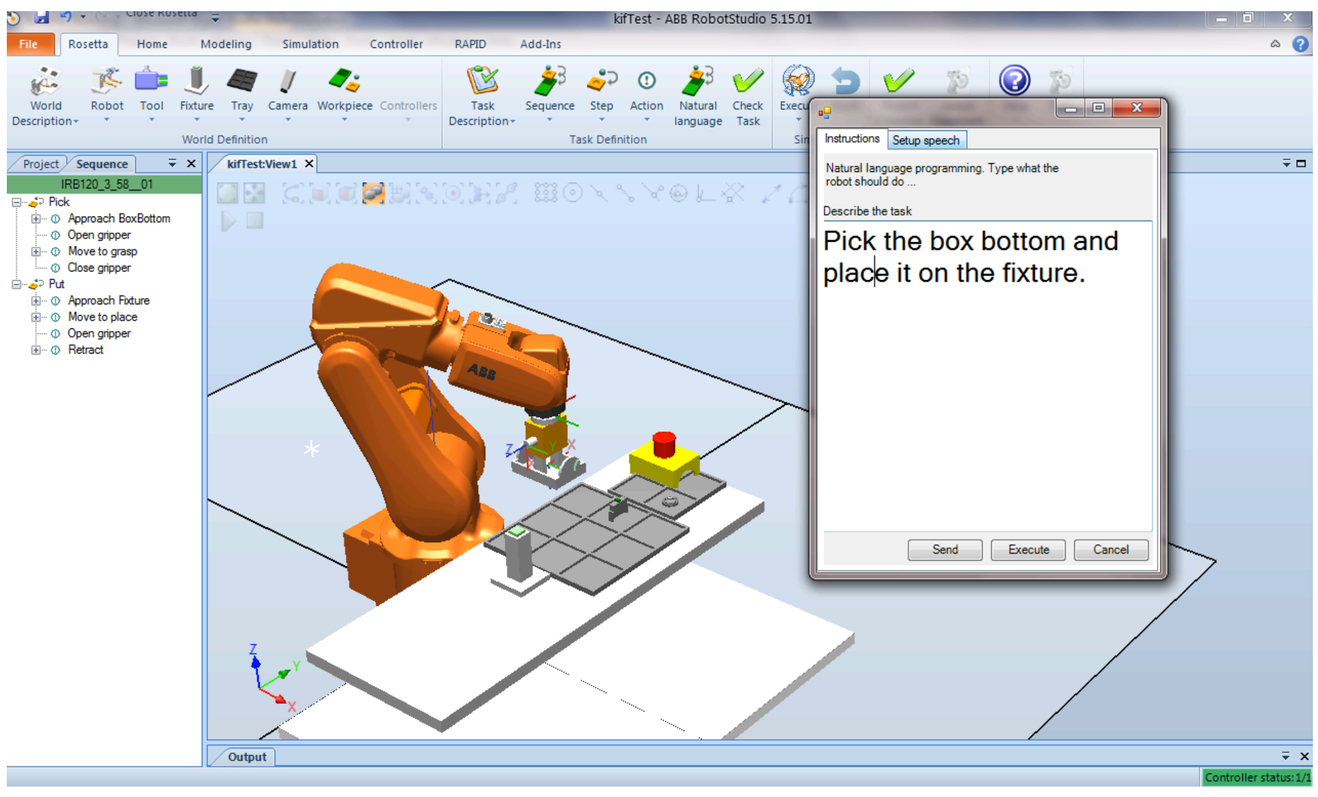
We propose *federated architectures*

- Easier knowledge *sharing* and *reuse*;
- *Security*: verify identity of client/server and protect communication;
- *Local* cache;
- For *non-critical* services.

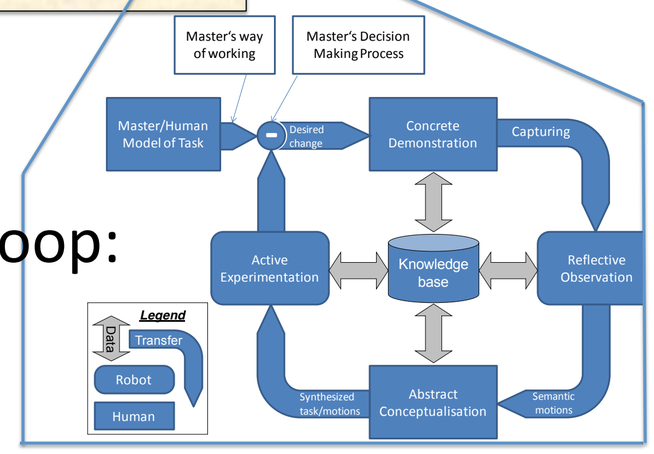
Problems with *knowledge reuse*

- How to evaluate the knowledge when applied to a new situation?
- Can the knowledge and the sources be trusted?
- Business case?
- Legal responsibilities?





PRACE loop:



Web services for robots

- Black box model;
- Industry: conservative and closed;
- Extend robot capabilities.