



BUILDING CONTROLS APPLICATIONS USING HTTP SERVICES

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Project Goal

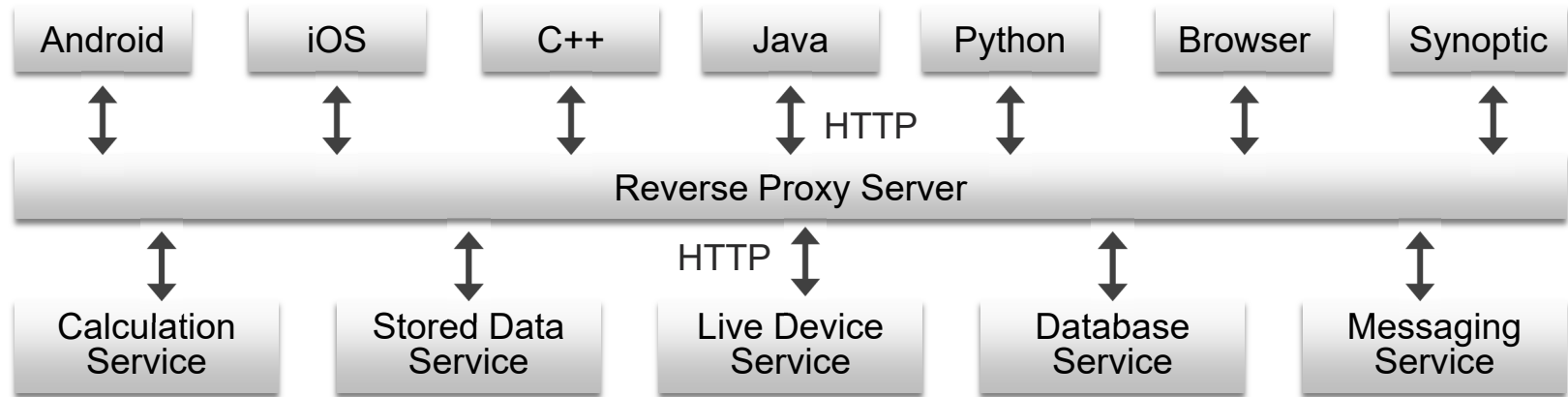
- Move to a more flexible infrastructure for building Controls applications.
- Support applications written in any language as well as web, remote and mobile clients.
- Where possible, reuse code from existing toolkits that have been tested and refined over many years.



Traditional Monolithic Application

Solution outline

- Extract existing toolkits and make them available as network services.
- Wrap each toolkit using the HTTP protocol and a RESTful interface.
- Use a Reverse Proxy Server to route client requests to HTTP services.



Applications Sharing Networked HTTP Services

Conclusion

- This is easier than we initially thought it would be.
 - There are many mature and free HTTP tools available for clients and servers.
 - Most existing toolkits can be wrapped and reused with minimal effort.
- The Poster and Paper describe:
 - What toolkits were wrapped as services?
 - What 3rd party packages were used and how did they perform?
 - What actual problems were solved by doing this?
 - What are the disadvantages?

