COMP 512 Phase 1 Report

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1 Introduction

The goal of our project is to design and develop a distributed system where clients can make requests and servers deliver responses based upon them, with the use of a middleware server. The aim is to develop this system using two protocols, remote method invocation and through transmission control protocol (TCP).

2 Theory

// some theory about RMI // some theory about TCP // use figures included in github to demonstrate points, cite them to Tanenbaum's textbook on distributed systems (more citation info in slides)

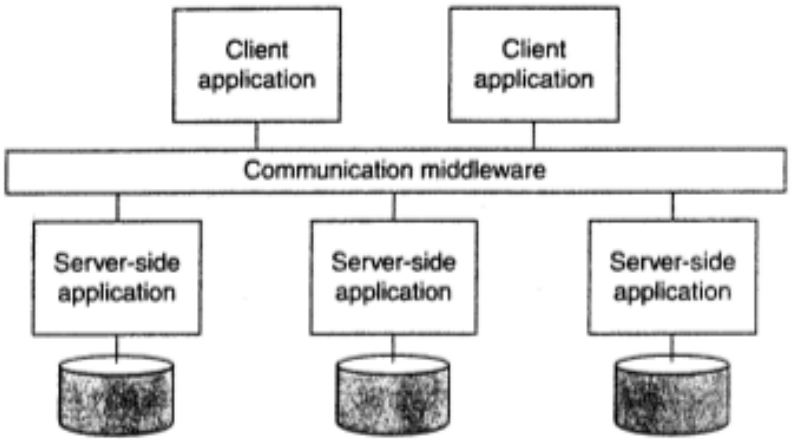

Figure 1-11. Middleware as a communication facilitator in enterprise application integration.

Figure 1: Every figure MUST have a caption.

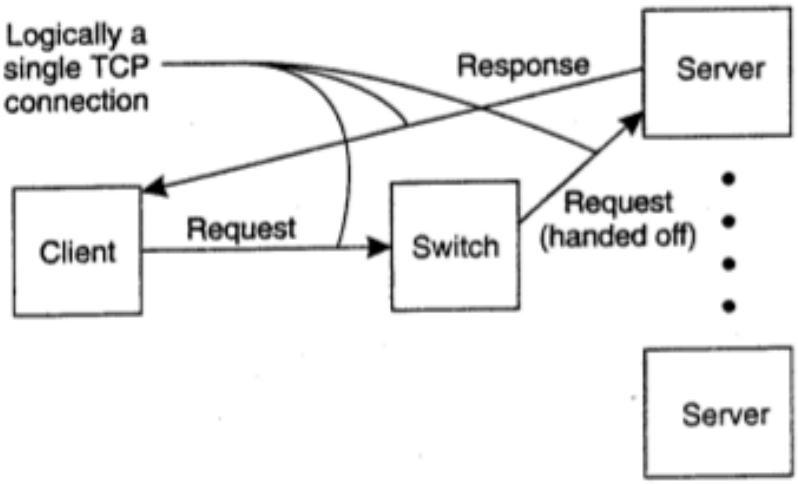

Figure 3-13. The principle ofTCP handoff.

Figure 2: Every figure MUST have a caption.

3 Design

// a few lines about the rmi middleware // a few lines about the tcp middleware // 'testing' we did (lol)

4 Conclusion

Distributing the servers and server requests is a very efficient way to model client-server architecture. The use of the middleware server facilitates this process and provides concurrency to the system.