Advanced Systems Lab - Design

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System Overview

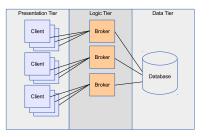


Figure : System Overview

The messaging system utilizes a single database instance. On the logic tier multiple broker instances may be running. Each broker serves a certain number of clients.

Database Schema

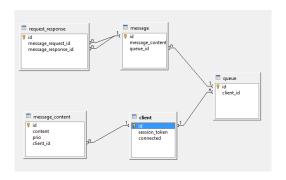


Figure: Database Schema

Server

- ▶ Threading
- ▶ Java NIO Reactor

Client to Broker Communication

Describe Communication between clients and broker

- simplified http, only http post
- xml over http with fixed content-length

1.

Communication Protocol

Communication Protocol used by client and server

Management Interface

Use JMX?

What experiments are performed

- 1. what kind of experiments are performed
- 2. how to perform measurements
- 3. where to store measurement results (Format, Use DB, etc)