
Low Level Design Documentation

Release 0.1

Shiv Shankar Dayal & Pavan Sharma

September 23, 2012

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INTRODUCTION

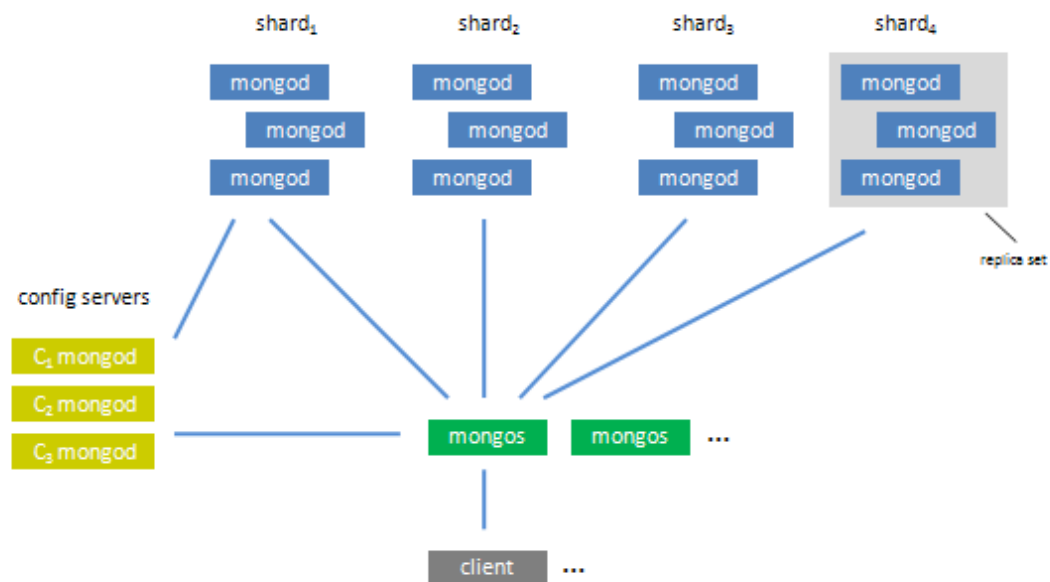
This document describes the low level design of libreQA Q&A platform. Libraries used are CppCMS, and Mimetic. We also use Google, Facebook, Linkedin and Twitter jQuery APIs. The entire pages are sent as JSON data from server which is rendered in browser using jQuery. Some AJAX pre-loading is done to improve the responsiveness of application. We will use jQuery Javascript framework. No HTML or CSS is directly written. Database used is MongoDB. Programming language used is C++ for server side and DB access. We will use CMake as build system and Kdevelop as our primary IDE. GNU/Linux 64-bit system will be used for development. Repository is located at <https://github.com/shivshankardayal/libreqa.git> Coding standards of CppCMS will be used for this development. Later we will use OpenMP and OpenMPI for parallel processing and distributed computing. For Mathematics we will use MathJAX and for syntax highlighting we will use syntax highlighter with TinyMCE.

Given below are the world wide web uris for these:

1. <http://cppcms.com/>
2. <http://www.mongodb.org/>
3. http://www.codesink.org/mimetic_mime_library.html
4. <http://jquery.com/>
5. <http://www.tinymce.com/>
6. <http://www.mathjax.org/>
7. <https://github.com/efloti/plugin-mathjax-pour-tinymce>
8. <https://github.com/RichGuk/syntaxhl>

ARCHITECTURE

It is assumed that standard MongoDB sharding will be used as shown (the image was shamelessly copied from <http://www.mongodb.org>) below:



User can hit MongoDB's website to know about it.

INDICES AND TABLES

- *genindex*