

QtCentre Programming Contest

Application name: QXML-RPC
Category: Helper library
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Functionality

The QXML-RPC library is a full Qt4 based implementation of XML-RPC protocol. It provides an easy way to construct, send and receive XML-RPC messages on the client side, and process XML-RPC messages on the server side. This project is inspired but not based on the QuteXR library.

Algorithms and data structures

Since XML-RPC protocol uses XML for requests encoding and HTTP as a transport, QXML-RPC library uses QtXml and QtNetwork modules. QVariant based structures are used for data presentation with some modifications to ensure compile time types checking for compatibility with XML-RPC types set.

Requirements

The library only depends on Qt4 and doesn't have any external dependencies or any special hardware or software requirements. Python can be used as a 3th party XML-RPC implementation for testing of QXML-RPC, while python installation is not required for building or running of QXML-RPC.