
Qizx/open Documentation

Qizx/open 1.1

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1. Introduction

Qizx/open is a high-performance implementation of the XQuery language developed by the W3C.

- The standard XQuery capabilities are augmented in several respects: full-text search, extension functions, Java extensibility, Server Pages environment, SQL databases connectivity...
- Qizx/open is a reduced version of **XQuest**, a native XML repository and search engine which provides fast and powerful querying and processing capabilities through the XQuery language.

2. Programming Interfaces

- **XQuery Java API**: allows to call the XQuery engine from Java applications, and provides a high-level query interface, based on XQuery expressions. This is the XQuery equivalent of JDBC for SQL.

XQuery scripts invoked by this API can be as simple as a single XPath path expression, or can be complete applications using all the XQuery extensions available in XQuest.

This control API is destined to converge with **XQJ**, the forthcoming standard XQuery Java API.

- **XQuery extensions:**

XQuest extends the standard XQuery language in multiple ways, providing:

- **General purpose extension functions** and operators, including serialization and XSLT transformations.
- **Full-text extensions**: efficient structure-aware full-text search.
- **Java binding**: a general purpose mechanism allowing to extend the function set by binding methods of any Java class.
- **The SQL Connection** is a XQuery binding of JDBC functionalities, it allows an easy fusion of XML and relational data.
- **Application framework:**
 - **XQuery Server Pages** is a mechanism for using XQuery as a web page template language: it provides features similar to JSP (Java Server Pages™) while using XQuery, a language which integrates more nicely with HTML/XML than Java can do. In this environment it is possible to write complete web applications without Java programming.