





FUSIONDB

"Soft" Launch - Markup UK
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What is FusionDB?

- **Multi-model database**
 - Document
 - XML and Binary
 - JSON native - work in progress
 - Key/Value
- **ACID**
 - MVCC
 - Snapshot Isolation
- **Written in C++ 14 and Java**
- **100% eXist-db API Compatible**
- **Will be Open Sourced...**

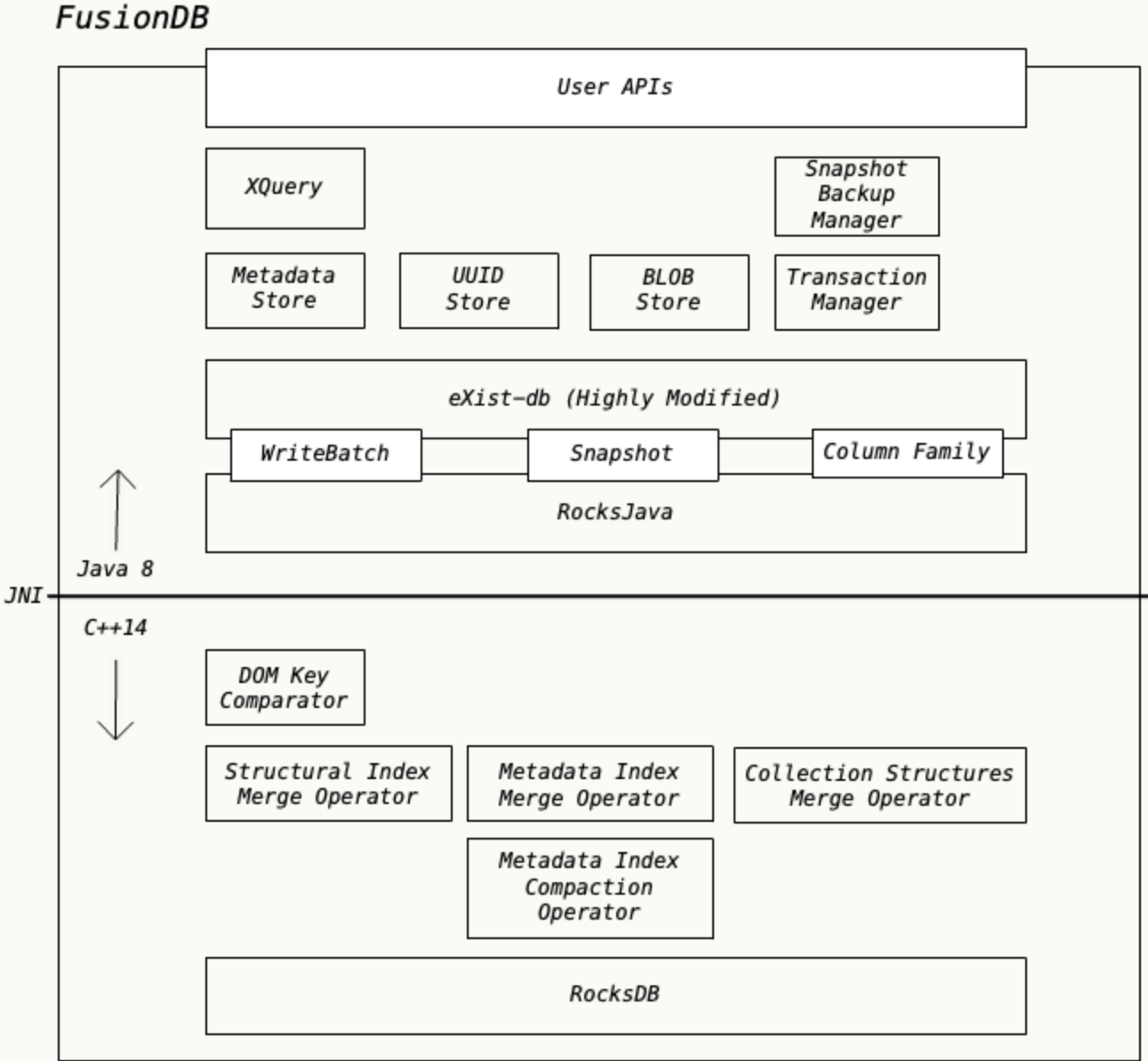


What is FusionDB?

- **A fusion of three main components:**
 - RocksDB (6.0.2)
 - eXist-db (5.0.0-RC8++)
 - Our own additions, fixes, and integration.
- **It's growing into something more...**
- **Planned features:**
 - Pushing things lower in the stack (likely Rust)
 - New XQuery 3.1 Engine
 - New Full-text indexes
 - Native JSON Support, JSONiq, and JavaScript
 - Clustering



FusionDB Architecture



Interesting Features

- Key/Value Metadata
- UUID Locators
- Instant "Snapshot" Backups
- XQuery Try/Catch is Transactional
- Blob Deduplication



FusionDB - Status

- **Alpha 1**
 - Please use and report issues
 - We expect you to find problems ;-)
- **Not yet open source**
 - Alpha 1 - free for non-commercial
 - Likely will be dual licensed open source and commercial
- **Near future:**
 - Fix issues found in Alpha 1
 - More Alphas and then a Beta
 - Optimisation



Fusion Studio

- **Open Source (GPL v3.0)**
- **IDE**
 - Not designed to replace comprehensive tools like Oxygen!
 - Create and Edit Documents in the database
 - Execute XQuery against the database
 - Serialization Settings and Paging
- **Management Tool**
 - Connect to Multiple servers
 - Browse/Upload/Copy/Move/Delete Documents
 - Modify Document Properties - permissions, type, metadata, etc.
 - Create/Edit/Delete Users
 - etc...





FUSIONDB

Alpha1

Now available for Download:

<https://www.fusiondb.com>



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Thank You!
Ask Me Anything...

