

# Minutes of Architecture Committee

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*20150410 – Conference Call*

## Participants

### Members

- Andreas Benzing (Transcript Writer, Chair)
- Stefan Ebeling
- Gerwin Mathwig
- Sven Wittig (Substitute for Christian Rechner)
- Stefan Wartini

### Guests

- Hans-Dirk Walter
- Sanjay Hande
- Alexander Nehmer
- Steven Kiraly

## Topics

### RPC Technology

The enterprise requirements [1] related to the RPC technology decision [2] are finally becoming available. However, the application scenario where RPC is required in contrast to the Component API and the REST interface remains unclear. In a single JVM, components interact using the Component API. Different JVMs, in contrast, are assumed to operate on remote machines and therefore require REST rather than RPC.

The original requirements for RPC will be clarified to decide whether this interface is needed.

### Query Abstraction

The current architecture specification draft states that “If a value does not exist then an explicit query must be made to retrieve it, in other words, no special proxies (like the ones used by [Hibernate](#)) must be in place.”. Although this restriction goes beyond the architecture specification and impacts the implementation of the MDM Business Model, it poses a fundamental requirement to prevent the performance pitfalls of openMDM 4. The AC therefore agrees that the restriction must remain in the architecture specification. Since it primarily affects the behavior of the MDM Connector API, it will be moved to the according chapter. The API chapter will be integrated in the architecture specification with the next release.

### Web Client Technology Matrix Document

The AC agrees that, similar to the Rich Client Technology Matrix, a document describing the Web Client Technology Matrix should be created. The document should provide an evaluation of related technologies as a guideline for implementing web client UIs. Since such a document is not part of the

original architecture specification assignment, the AC will request a service to create that document from the SC.

### **Finalizing Architecture Specification**

Sven Wittig proposes a service to thoroughly review the architecture specification by parties who have a solid experience with openMDM 4. Such a service can ensure that the new architecture covers all previously supported functionality and hopefully provide an initial mapping of that functionality to components of the new architecture. After the review, a due date for the final approval of the architecture specification will be set.

### **Next Meeting**

The next open conference call will be held on May 8, 2015, 11:00 CEST.

### **References**

- [1] [https://bugs.eclipse.org/bugs/show\\_bug.cgi?id=453767](https://bugs.eclipse.org/bugs/show_bug.cgi?id=453767)
- [2] [https://bugs.eclipse.org/bugs/show\\_bug.cgi?id=457424](https://bugs.eclipse.org/bugs/show_bug.cgi?id=457424)