

Minutes of Architecture Committee

20150227 – Conference Call

Participants

Members

- Andreas Benzing (Transcript Writer, Chair)
- Gerwin Mathwig
- Christian Rechner
- Stefan Wartini

Guests

- Andres Almiray
- Steven Kilray
- Alexander Nehmer
- Dietmar Rapf
- Hans-Dirk Walter

Topics

Organization

The protocol of the last meeting is approved.

Due to our new WG members from India and scheduling issues, the regular conference call is moved to Friday, 11:00 CE(S)T.

To allow for proper preparation of the meeting, the deadline for proposals to the committee is Wednesday before the conference call. Proposals include, but are not limited to: Specification revisions, decision requests, and documents to be reviewed by the committee.

AC Decision Process

The committee will formally decide on the architecture specification after it becomes available. The release of the specification is planned on March 13, 2015.

The current progress of the upcoming technology decisions is slow due to recurrent discussions of similar topics. On the one hand, the AC is not prepared to decide on a particular technology without knowing the implications of that choice. On the other hand, the implementation from which the implications could be identified poses a high risk without a prior decision. To overcome this situation, the AC agrees to postpone final formal decisions on particular decisions in favor of a more flexible approach. A particular technology is thereby agreed upon as a basis for ongoing work. The suitability of that choice is monitored and communicated to the AC in a tight feedback loop to allow for prompt correction in the case of problems. When the choice proves useful, a formal decision is brought about. The primary decision on a technology stack, however, is not feasible to change at a later stage and therefore must be final.

Review of latest architecture specification draft

The [openMDM glossary](#) should be referenced by or integrated in the specification documents to clarify the terms Component, Application, and System.

Architecture

The description of Supporting Multiple Datastores (5.3.1.) should stress that a default configuration could include multiple or all available datastores.

The Architecture Layout (6.) should be clarified, if possible.

Technology Matrix

The exact meaning of the Failover requirement is discussed. The interaction of Services, Bundles, and Components is clarified. The AC agrees that the intention of the requirements need to be clarified since it does not match the Failover mentioned in the Evaluation Matrix.

As the decision on a technology stack is crucial for further progress, the participants discuss possible advantages and drawbacks of the different options. However, the current document does not provide information that any option has a significant, quantifiable advantage in technical or practical aspects. The technology matrix will be updated to include a weighted evaluation. In addition, further arguments will be gathered in [Bug 461064](#). The members of the AC will review the updated information in the coming week and come to a decision.

Next Meeting

A committee-only conference call will be held on March 6, 2015.

The next open conference call will be held on March 20, 2015, 11:00 CET.