Minutes of the Architecture Committee

2015-08-10 – Conference Call

Participants

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

Preliminaries

This document refers to the core architecture specification, as distributed on the mailing list [1] on July 28, 2015.

Topics

Discussion of the Architecture Specification

The architecture is discussed with the goal to identify missing information and a path to a working implementation. The participants agree that the architecture itself is sound and provides a good high-level structure for openMDM. However, another document containing concrete technology definitions is required in order to prevent high fragmentation in the overall landscape of future openMDM components. One major point that needs to be defined in order to allow for a trouble-free operation of openMDM systems is the underlying runtime environment. Again, the logical interaction of a component with this environment is already included in the architecture, but the technology details must be defined.

The implementation of the client side of the Presentation Model abstraction was discussed in more detail. The AC agrees that technologies to use for the different UIs (most notably rich and web) must also be defined. Based on these definitions, new components can then be commissioned with the request to provide UI implementations that conform to openMDM, if required. A fully configurable UI, similar to the former 'Integrationsclient', was also discussed. A modular UI, based on the corresponding metadata, provides the possibility to configure many applications. However, it is doubtful whether the effort required to implement corresponding UI elements for each MDM component is lower than that for providing individual implementations, considering that these individual solutions might be requested anyway. To keep the architecture as stable as possible, the AC agrees to keep the architecture as is and include the details of the UI technology in the new technology definitions document.

Approval of the Architecture Specification

The core architecture specification is approved by the attending members (Benzing, Ebeling, Mathwig, Rechner, Wartini) of the committee. The missing member (Beese) is counted as a unanimous vote. The architecture specification is therefore accepted as providing the abstract

structure of openMDM and means to validate components w.r.t. their conformance to the architecture [2, 3].

The AC notes that a technology definitions document is needed to continue the process of defining an ecosystem of openMDM components which follows the goals of the architecture.

Further course of action

The technology definitions document will be started by gathering potential candidates for the abstract concepts defined in the architecture. The result will be gathered and published on the mailing list for discussion.

Next Meeting

The preliminary appointment for the next open conference call is August 21 or 28, 2015, 11:00 CEST, depending on the availability of technology definition candidates and resulting discussions.

References

[1] https://dev.eclipse.org/mhonarc/lists/open-measured-data-wg/msg00156.html
[2] https://openmdm.atlassian.net/browse/ORGA-8
[3] https://openmdm.atlassian.net/browse/ORGA-30