Minutes of the Architecture Committee

Place:	WebEx	
Date/Time:	2016-03-04 – 10:30-11:45 CET	
Minutes:	Andreas Benzing, ICS AG	
Participants:	Andreas Benzing	ICS (Daimler) (chair)
	Jan Blockx	Siemens
	Stefan Ebeling	BMW
	Gerwin Mathwig	PL MDM@WEB
	Franz Wöhrl	AUDI
	Stefan Wartini	MBBM
	- missing -	PL MDM|BL
	Jan Wiegelmann	NorCom
Guests:	Sebastian Dirsch, Johannes Pfahler, Andres Almiray, Gert Sablon, Alexander Nehmer, Olga Mykytiuk, Ulrich Bleicher, Sibylle Peter, Hans-Dirk Walter	

Participants are referred to by their initials, i.e. GM refers to Gerwin Mathwig.

1 Discussion of Feedback to Hackathon

1.1 Mass Data Transfer

The transfer of mass data using REST might become a bottleneck for future use cases. The goal is to avoid such bottlenecks by minimizing the transfer of data and instead bring data and processing/evaluation close to each other, i.e. on the same machine. The performance of downloads using REST vs. CORBA has therefore not been evaluated so far.

However, the transfer of data from the server to the client GUI must be considered during implementation. The remote presentation model of the architecture is intended to address this issue. According to SD, the model could be implemented later but, as mentioned by SP, requiring much higher effort.

The access to the API will not be handled using REST (AN). Instead, components will interact with the openMDM API directly, since the application will be deployed as a single monolith. The components then expose a REST API for remote access.

1.2 Solution Architect and Lead Developer

The decision whether to establish a single solution architect and a lead developer will be handled by the SC. GM will add the issue to the agenda of the next SC meeting.

1.3 OSGi

The decision to not use OSGi has been made along with the decision to not follow the full stack Gigatronik proposal. There is no requirement to use OSGi, since there was no use

case presented which would require the exchange of components during runtime. AN notes that a later integration of OSGi will require a lot of effort, if possible at all.

The architecture proposal by BMW will result in a single server application. Individual configurations will therefore be created during a build and not during runtime. The components will be integrated in a monolith rather than creating a highly distributed system.

1.4 Repeat the Hackathon

Multiple participants expressed the desire to have another hackathon since the time left for actual coding was quite limited. A second hackathon is intended to take place at the beginning of June, when the test platform is available and implementation has matured.

1.5 Getting Started Guide

With the current documentation, it is virtually impossible for new members or interested parties to compile the available code, let alone run it. A getting started guide should be compiled from the experience at the hackathon. GM proposes a service to create this guide. In addition, the coming developments will happen directly in the Eclipse git to facilitate higher visibility.

1.6 Community Involvement

The criticism that the community was not involved enough is discussed. One problem identified is that some members were not aware of the decisions taken in the AC. However, these decisions were published in the minutes of the AC.

The seeming non-consideration of the results of the TAG has also been mentioned. However, the results were taken into account during the design of the architecture. In addition, BMW has decided to move away from the rich client and follow a web-based approach. Therefore, the considerations of the TAG regarding RCP are only of little importance for the current discussions. Overall, input for discussions of the AC from experienced MDM4 developers, especially members of the TAG, is welcome.

2 Next meeting

The preliminary date and time for the next AC conference call is March 18, 2016, 11:00 CET.