



openMDM® eclipse working group

Architecture and API workshop

May 6th, 2015

AUDI AG Ingolstadt

Agenda





10:00 Uhr	welcome	5 Min.	Sven Wittig (Audi)
	current status and goals of the meeting	10 Min.	Sven Wittig (Audi)
10:15 Uhr	contribution offer by HighQSoft	5 Min.	Andreas Hofmann (HighQSoft)
	introduction to HighQSoft HQL	30 Min.	Andreas Hofmann (HighQSoft)
10:45	current status of the API and business layer design	30 Min.	Stefan Beese (EPOS CAT)
11:15	break		
11:30	architecture review and positioning of the items presented	ed 60 Min.	Andres Almiray (Canoo)
	coverage of openMDM® API / BL functions by HQL		all
	consequences of HQL integration to the openMDM® API	/ BL	
	discussion		
12:30	break / lunch	45 min	
10.15			
13:15	decision: inclusion of HighQSoft HQL to the architecture		
	further actions to be taken		

Participants



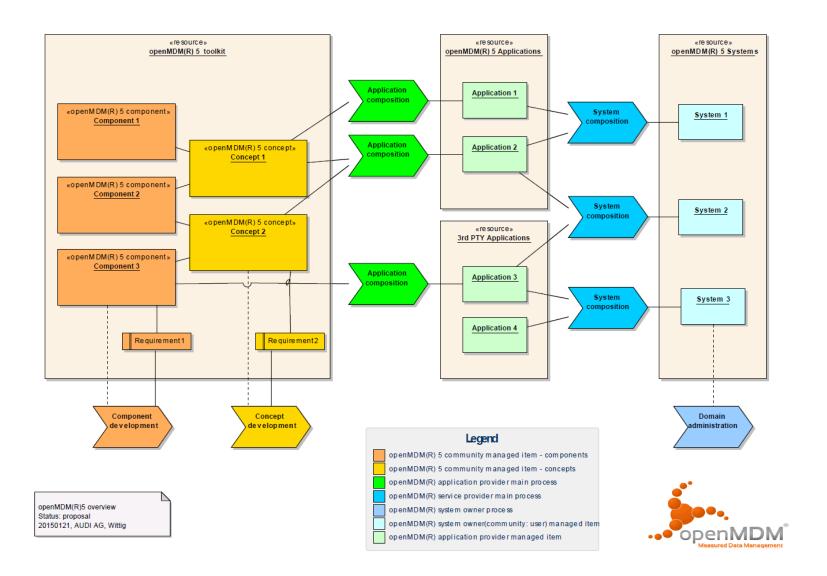


Andreas.Benzing@ics-ag.de	AC	present
andreas.hofmann@highqsoft.de		present
andres.almiray@canoo.com		present
C.Weyermann@Peak-Solution.de		present
christian.rechner@audi.de	AC	conferencing / temporarily
Gerwin.Mathwig@daimler.com	SC, PL MDM@WEB	present
Hans.Bothe@highqsoft.de	SC	
hans-dirk.walter@canoo.com	QC	present
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Sebastian.Dirsch@gigatronik.com		present
sibylle.peter@canoo.com		present
stefan.beese@epos-cat.de	PL MDM BL	present
Stefan.Ebeling@bmw.de	QC	
stefan.holz@gigatronik.com	SC	present
Sven.wittig@audi.de	SC	present
SWartini@MuellerBBM-vas.de	AC	present
<u>Ulrich.Bleicher@bmw.de</u>	SC	
Viktor.Stoehr@gigatronik.com		conferencing / temporarily

Status Architecture / BL



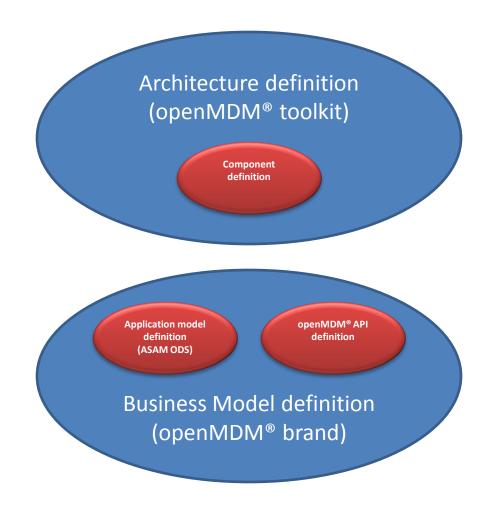




Status Architecture / BL







Status Architecture / BL





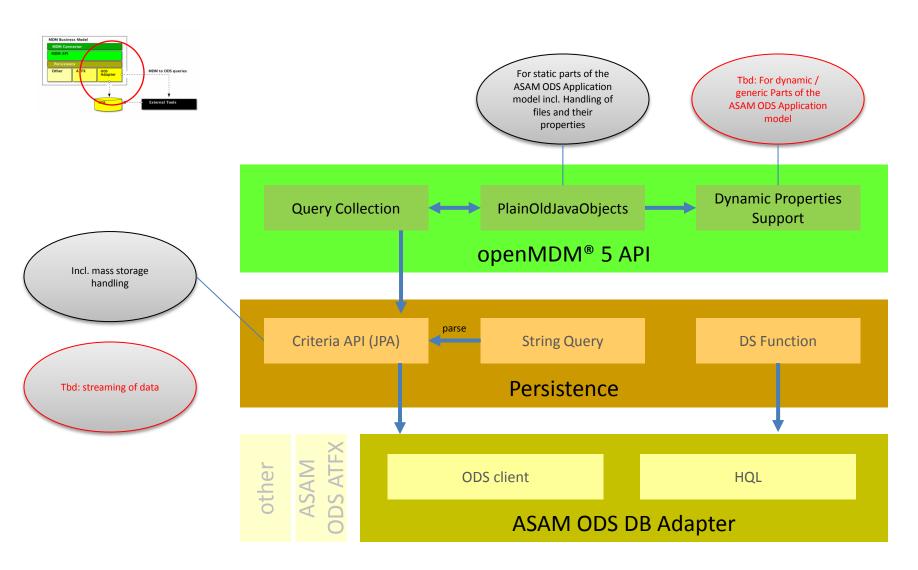
	Milestone	Week (2015)	30.03.2015	06.04.2015	20.04.2015	27.04.2015 04.05.2015	11.05.2015	25.05.2015	08.06.2015	15.06.2015 22.06.2015	29.06.2015 06.07.2015	13.07.2015 20.07.2015
Status	Responsible	Item										
done done	M010000 CANOO M020000 CANOO	publication of the application framework technology decision proposal for decision publication of the communication technology decision proposal for decision	P1									
delay	M030000 CANOO	publication of the first Release of the complete architecture definition for review to the whole community	P.	1				P2				
done	M040000 AC	decision on the application framework technology	P1									
delay	M050000 AC,SC	decision on the communication technology	P1		_							
in progress	M060000 AC	review of the architecture			P2							
delay	M070000 SC	review of the architecture by openMDM ® community members as community service			P2	_						
delay	M080000 AC	release of architecture definition			P1 P	2						
delay	M090000 EPOS	publication of the first UML definition of the openMDM® 5 API			P.	2						
delay	M100000 AC	release of the definition of the UML definition openMDM® 5 API			P1		P2	_	_			
delay	M110000 EPOS	delivery of the MDM API ODS implementation						P2				
open	M120000 EPOS	delivery of the modularized application model				P2	_	_				
delay	M130000 AC	release of the definition of the openMDM® 5 application model			P1		P2					
open	M140000 EPOS	delivery of the installable application model version (suitable for setting up an openMDM® 5 ODS server)						P2				
waiting	M150000 EPOS	project setup for business layer				P2						
open	M160000 EPOS	delivery of the first application frame by April 30 th						P2		_		
open	M170000 EPOS	delivery of the openMDM® integration server								P2	2	
open	M180000 CANOO	declaration of which interfaces are openMDM® core			P2			P2		_	_	
open	M190000 EPOS	delivery of the core business interfaces definition						P2				

second planning update, Milestone estimated
persond planning update, Milestone confirmed by responsable

HQL positioning within architecture







Committments





After a detailed discussion of the HQL features presented by Andreas Hofmann and the positioning of HQL within the openMDM® architecture the participants of the meeting agree on the following statements:

- HQL fits to the openMDM® 5 architecture
- HQL simplifies the implementation of the openMDM® 5 API significantly
- HighQSoft HQL provides ASAM ODS 5.3 compatibility, that is, any ASAM ODS server can be deployed in the lower layers

Therefore the contribution of HQL by HighQSoft is highly welcome. The participants recommend the AC and SC to act respectively.

ToDo 's





- The terms used within the architecture documents have to be reviewed, if necessary cleared and included to the openMDM® EWG's glossary. Conflicts between the wordings of "old MDM style" and the new architecture have to be resolved (CANOO).
- Description of what the modules mentioned in the architecture picture (Criteria API, DS function, String query..) do (CANOO).
- Identifying dynamic and static parts of the application model, map them into API functionality (EPOS, within existing milestone API UML Design)
- Structuring of the API with respect to the functionality presented to the layers above (EPOS, within existing milestone API UML Design)
- Structuring of the API with respect of the functionality accessed from lower layers (EPOS, within existing milestone API UML Design)

Open Issues





This is a part containing questions which arose writing the minutes. I attach them, because they are related to the API but not part of the project.

- What happens, if possibly the application models of different data sources differ (at least in their dynamic parts)? Which way conflicts are resolved?
- Who will provide the openMDM® connector or at least a first implementation to get an initial system to work?
- Within the architecture pictures it should be reflected, that ATFX also is standardized by ASAM ODS. Therefore, a wording like "ASAM ODS ATFX" and "ASAM ODS DB" seems better even because an ASAM ODS application model applies to both of them. It should be cleared, if the application model structure definied by EPOS must apply the ATFXes also or not.