openMDM Architecture Committee

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Attendees

The following members were present:

- Matthias Ebeling (Daimler AG)
- Stefan Ebeling (BMW AG)
- Matthias Koller (Peak Solution GmbH)
- Stefan Wartini (Müller-BBM VibroAkustik Systeme GmbH)
- Angelika Wittek (openMDM Toolkit Manager)

The following members were absent:

- Jan Blockx (Siemens AG)
- Christian Krenner (AUDI AG)

Topics

Status Dev Team (Angelika Wittek)

M3 was released successfully. The scope for M4 hasn't been defined yet. The team is waiting for the latest contributions from BMW and Siemens.

Currently openMDM is tested on GlassFish V4. Angelika is checking an upgrade to V5. BMW will support GF4 until 2024 and Daimler runs openMDM on JBoss.

Most dev team members will be on vacation until end of May.

Dependency Graph (M. Koller)

Matthias Koller presented the current list of artefacts (jar files) and the dependency graph which hasn't been changed since the beginning of our dev efforts. A refined "Should Be" dependency graph was presented as well.

The AC agreed on a step by step improvement towards the target. The dev team will create issues in Bugzilla to be able to trace the tasks. This approach allows a discussion and a warning in advance before starting a refactoring task.
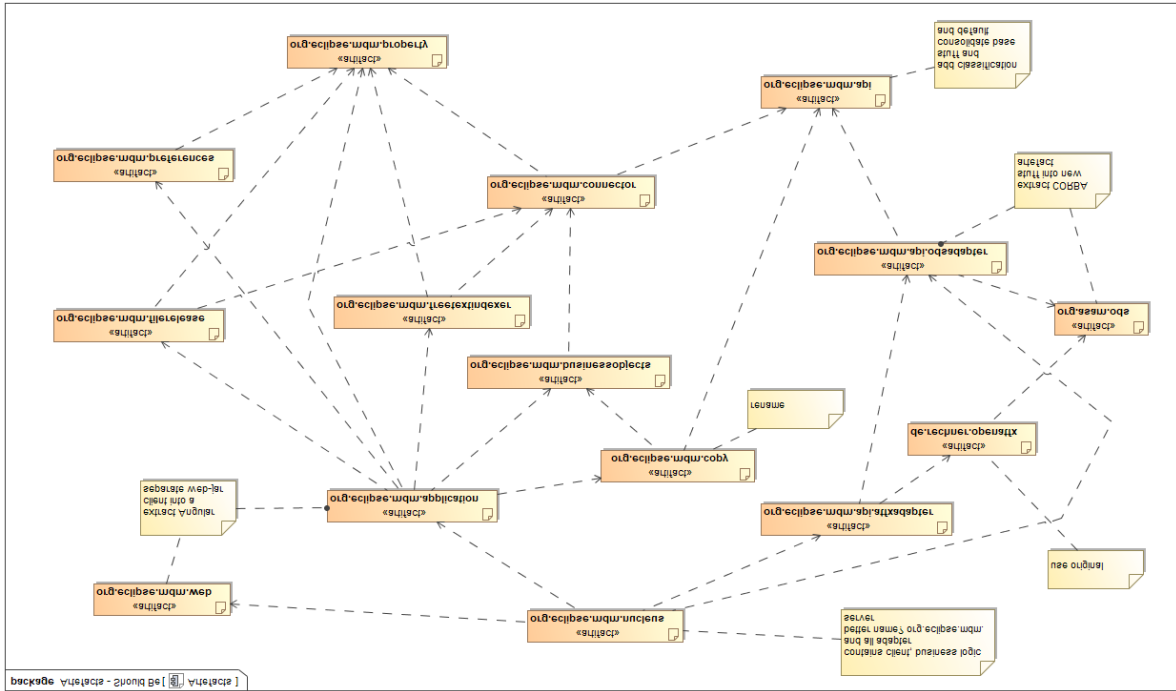
Figure 1 Dependency Graph (Should Be)

Additional REST Endpoints (M. Koller)

Peak Solution got an order from MTU. MTU requires reading and writing measurement data and would like to contribute this feature to the community.

Currently the openMDM API use JSON as the transfer format. This is a perfect fit for our web client. But JSON is too verbose for transferring measurement data. ODS 6 is going to use Protobuf for that purpose.

The AC agreed in accepting the MTU extension and in using Protobuf as this library is already used in the openMDM context.

Next call

The next AC call is scheduled for June 14th 2019.

Matthias Koller will present the overall architecture for the new REST end points.