openMDM Architecture Committee

Meeting Notes: 2019-02-08

Author: Stefan Ebeling

Attendees

The following members were present:
- Matthias Ebeling (Daimler AG)
- Stefan Ebeling (BMW AG)
- Stefan Wartini (Müller-BBM VibroAkustik Systeme GmbH)
- Angelika Wittek (openMDM Toolkit Manager)

The following guest was present:
- Matthias Koller (Peak Solutions GmbH)

The following members were absent:
- Jan Blockx (Siemens AG)
- Christian Krenner (AUDI AG)

Topics

Status Dev Team (Angelika Wittek)

The dev team fixed some bugs (including enhancements in the documentation). The next task will be the merge of the BMW contribution into the openMDM branch.
The update from Angular 2 to 7 takes more time than expected. An additional milestone release is planned for Q1/2019.
The contracts for the dev team and toolkit management have been prolonged.

Passwords (Matthias Koller)

Currently the passwords in "service.xml" (configuration of MDM data sources) are stored in cleartext. To provide a more secure solution the passwords should be swapped out.

Matthias Koller suggested using the Apache library "Commons Text" (https://commons.apache.org/proper/commons-text/) which supports several lookup mechanisms:

- `EnvironmentVariableStringLookup`
- `SystemPropertyStringLookup`
- `PropertiesStringLookup`

Hint: The lookup won't decode a password. Some other party is responsible for a secure storage.

Decision: The AC agreed on this extension. It will be part of the BMW contribution.

Node Provider (Stefan Wartini)

Stefan Wartini reported some ideas for an enhanced node provider. Currently a node provider is used for all MDM repositories despite their type.

MBBM found out that a change of a node provider does not affect only the current user, but all users. A call with MBBM and Angelika should clarify this issue.

Decision: The AC agreed on a hand over to the steering committee. The SC should ask for requirements around the node provider, prioritize and assign user stories.

JDK / JRE (Matthias Ebeling)

Effective from April Oracle will change its Java license model. For Java 8 security patches will be available for paid subscriptions only.

openMDM depends on Java 8 because of the CORBA based integration with ASAM ODS data sources.

Eclipse will provide Java 8 runtimes for our build environment. Angelika will open an issue for migrating the openMDM toolchain. A recommendation for a JRE will be added to the openMDM documentation, too.

Publish via Maven (Stefan Ebeling)

The dev team had to learn the additional work needed to use dependencies which are not available in a (Maven) repository. The openATFX library (necessary to read /write ATFX files) is open sourced, but the sources have to be downloaded and built manually.

That's why we should publish our artifacts (openMDM API, ODS adapter, Web App, etc.) in Maven Central.

As an initial step Angelika will ask other Eclipse projects (e.g. Jakarta) how to accomplish this.

Stefan E. will send an email to Christian Rechner (the author of openATFX) if he would publish his library at Maven Central.

Next call

The next AC call is scheduled for March 8th 2019.