



## openMDM @MTU

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## MTU contributions

### Major

- | Multi-Plot and configurable y-channel list, fill viewer from shopping basket
- | Unit selector in X/Y-Viewer and unit preferences (desired unit conversion lists with entries per phys. dimension and channel regex)
- | Channel lists: pre-defined sets of channels of interest for quick selection
- | Equation editor: Virtual channels based on defined channel regexes

### Minor

- | Coupling of extended search and navigator
- | API-Tokens
- | Addition of efficient timestamp behavior (LONG localcolumn with mimetype “application/x-asam.aolocalcolumn+timestamp”)
- | CSV-Export (name clash resolution) & Excel-Export (handling of > 16384 columns, streaming access)
- | UserGuide/Getting started bundled with Webclient, Extension of search and shopping basket functionality down to channel, Button “JSON” to export Query for API usage, Consistent case sensitivity handling
- | API: sorted /query response, enable update of TemplateTest, sequence datatypes

## Future efforts and ideas

### Next

- | Shareable States → eg. save and share the state of the X/Y-Viewer via (shortened) URL
- | Improvements on the X/Y-Viewer: Multi-axes, scaling factors, grouping of channels (same channel in multiple measurements)

### Future

- | Referencing of measurements, either AoMeasurement or even individual rows?
- | Version handling (Overwriting only creates a new version, git style diff's)
- | Plug-In system for calling webservices – right-click and „Run performance model“ or similar
- | Efficient handling of big exports (Customer visit, no connection to openMDM)
- | Notifications – handling in Kafka

### Beyond openMDM

- | Efficient handling of working point style measurements (/append, row-based logic)
- | Handling of non-synchronized recordings (“worst case”: individual timestamp per channel)