openMDM in the world of Big Data



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openMDM in Škoda Auto

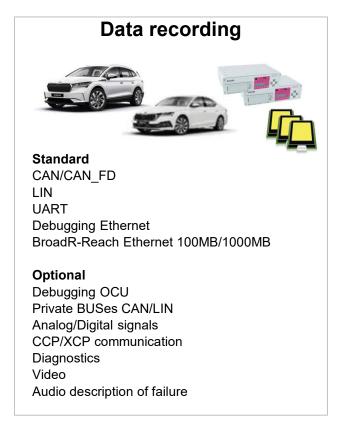
6 openMDM applications in Škoda Auto and even more in VW Group.

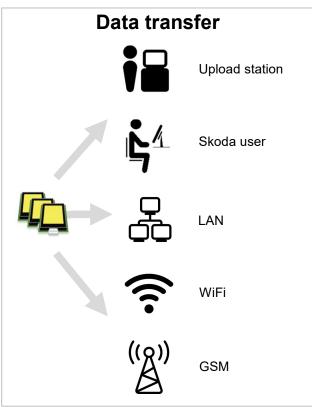
Many different use cases in product development and quality assurance areas.

Business process behind the measured data is mostly the same. Or is it?

Test data lifecycle in electrical and electronics vehicle testing

Business process







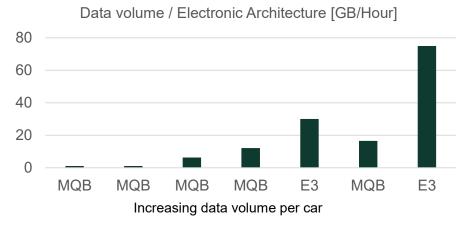
Test data lifecycle in electrical and electronics vehicle testing

Main use cases

- Trace conversion
- Trace cut-out
- Trace signal analysis
- Error and signal statistics
- System statistics
- Data analysis and advanced analytics

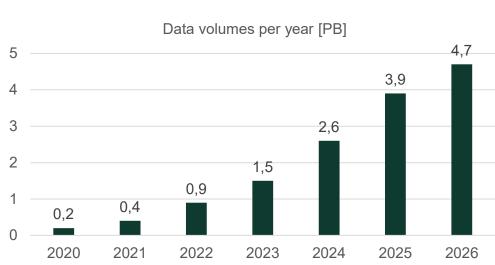
Test data lifecycle in electrical and electronics vehicle testing

Data volumes





Increasing fleet size

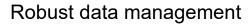


Data volumes needed to be stored, processed and analyzed per year.

Big Data analytics and Measured Data Management

What are the options?





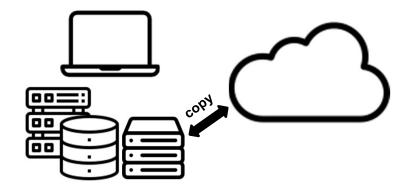


Data storage and processing capabilities

Big Data analytics and Measured Data Management

What are the options?







Robust data management

Integration?
Solutions mostly based on data replication

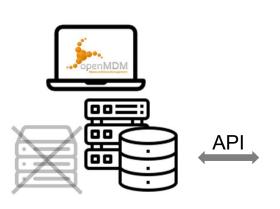
Data storage and processing capabilities

Big Data analytics and Measured Data Management

Škoda CARP – Car Analytics and Research Platform

openMDM

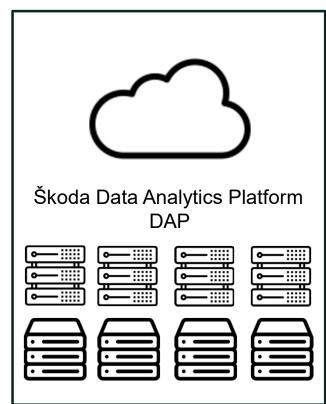
Data management
Data visualization
Job / script definition and request
Data download / upload
Administration
No mass data storage or data replication



DAP

Mass data storage
Data tiering (hot, warm, archive)
Job / script execution
Resource management
Network usage management
Analytical capabilities
GIT (DEVOPS)





Thank you



Miroslav Michalco IT Delivery Manager

Škoda Auto a.s. tř. Václava Klementa 869 Mladá Boleslav II 293 01 Czech Republic