



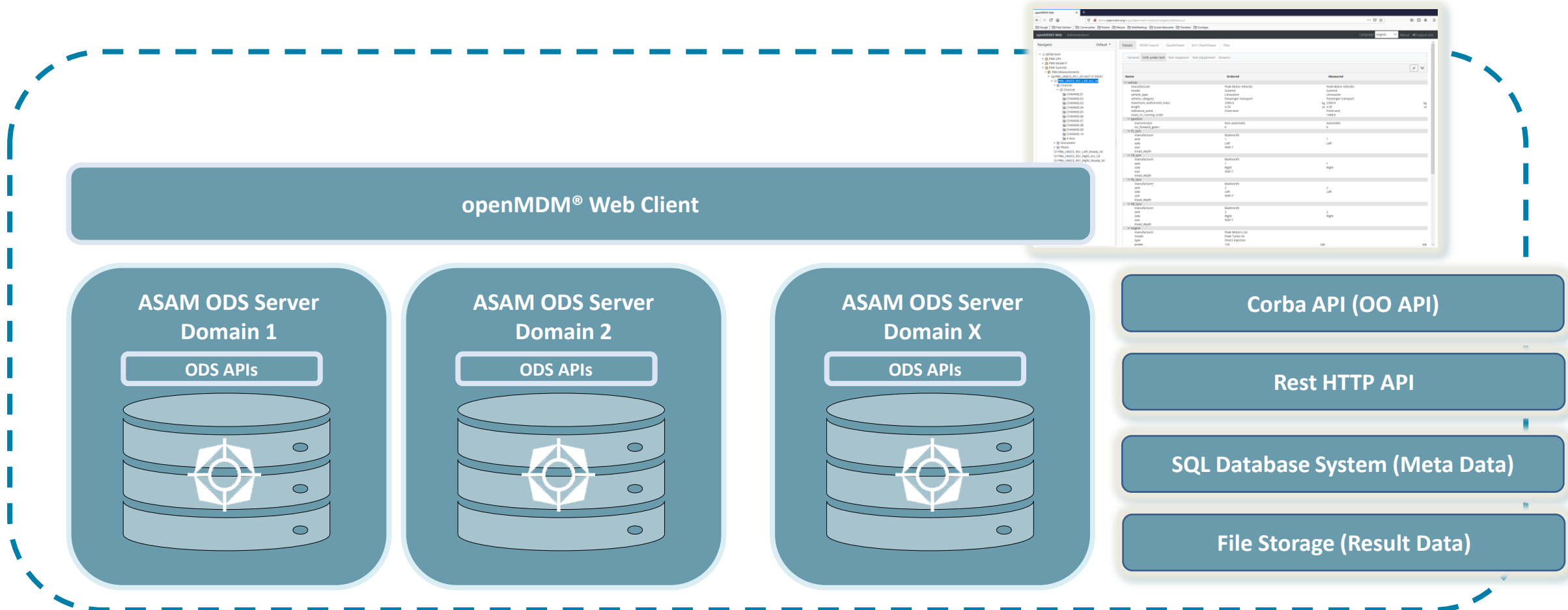
PEAK SOLUTION



Tools for the efficient implementation of openMDM<sup>®</sup> based systems

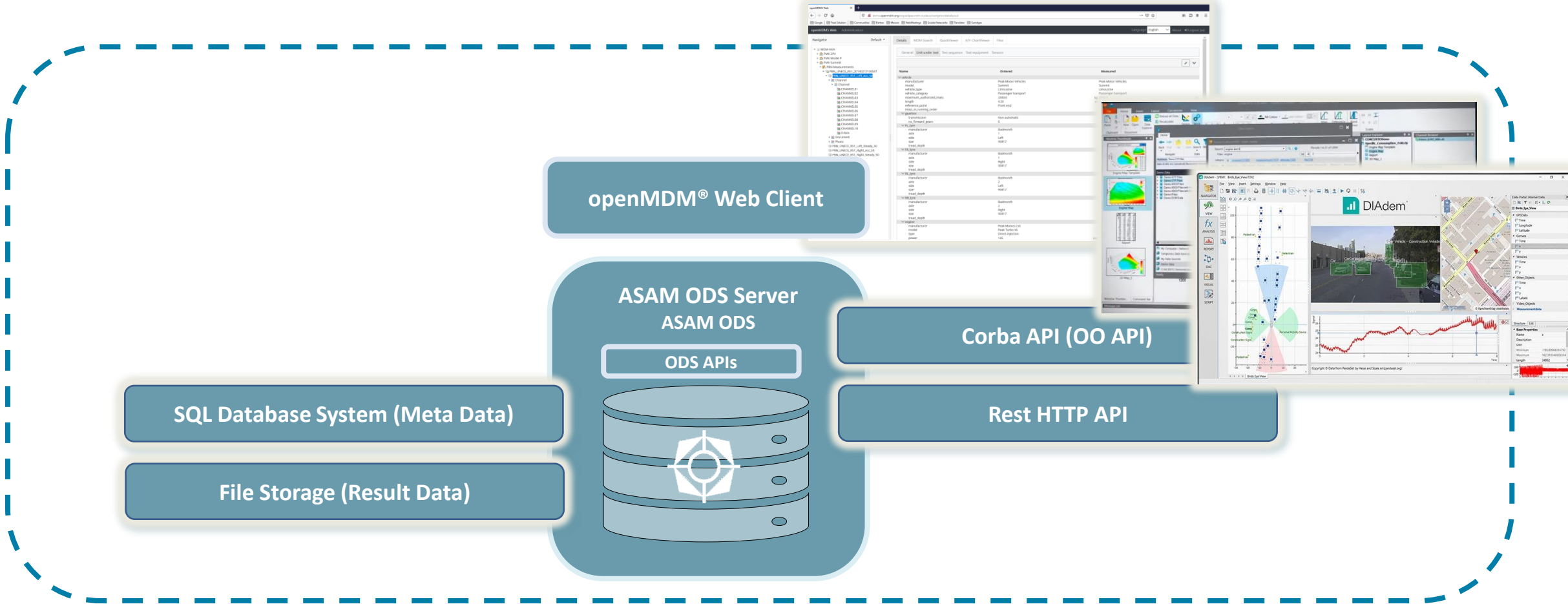


# Measurement Data Management – openMDM® based Application

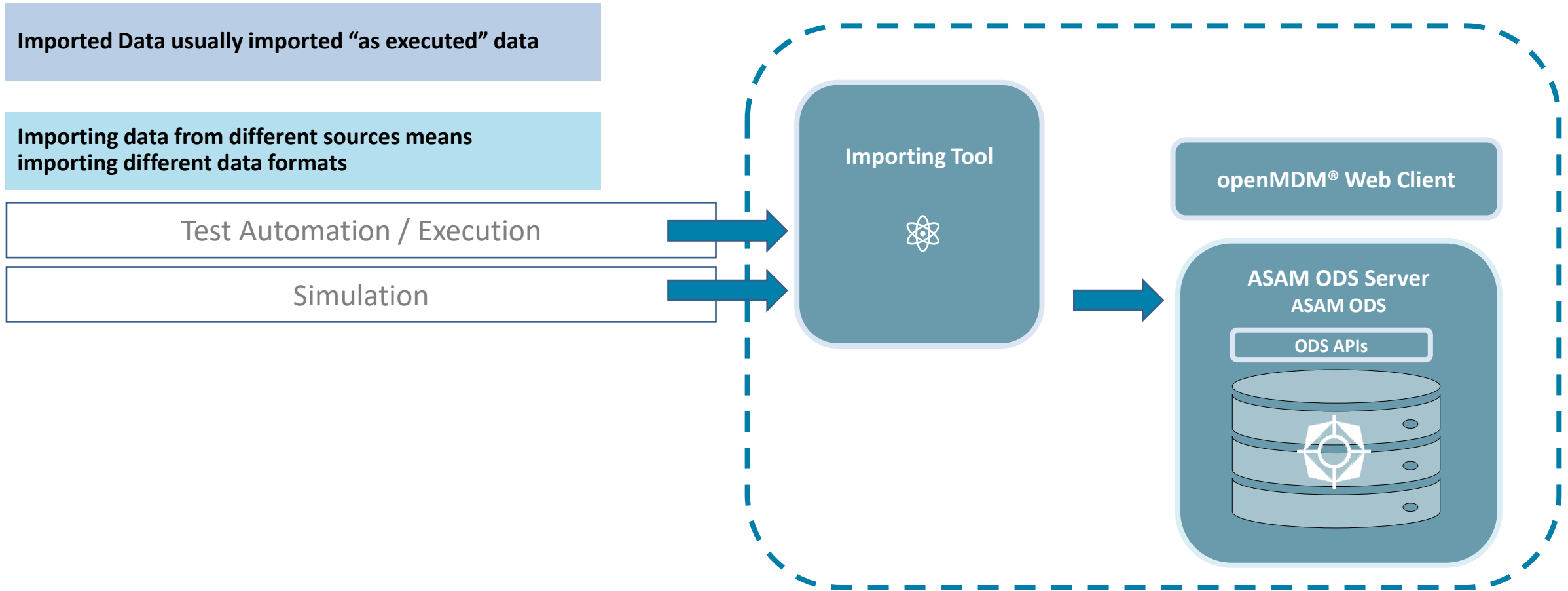


Challenge:  
Import and Export Data  
into/from openMDM<sup>®</sup>  
data storage

# Measurement Data Management – openMDM® based Application



# Measurement Data Management – Importing Result Data



Imported Data usually imported “as executed” data

Importing data from different sources means importing different data formats

Test Automation / Execution

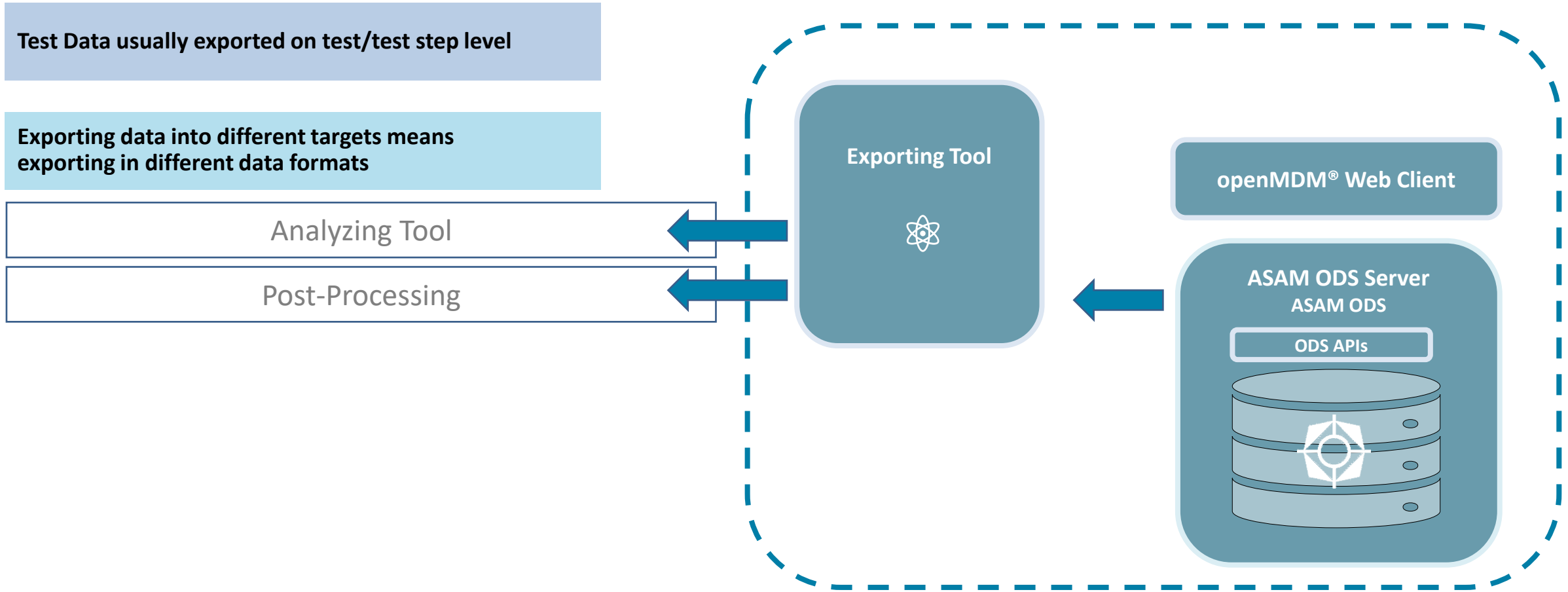
Simulation

Importing Tool

openMDM® Web Client

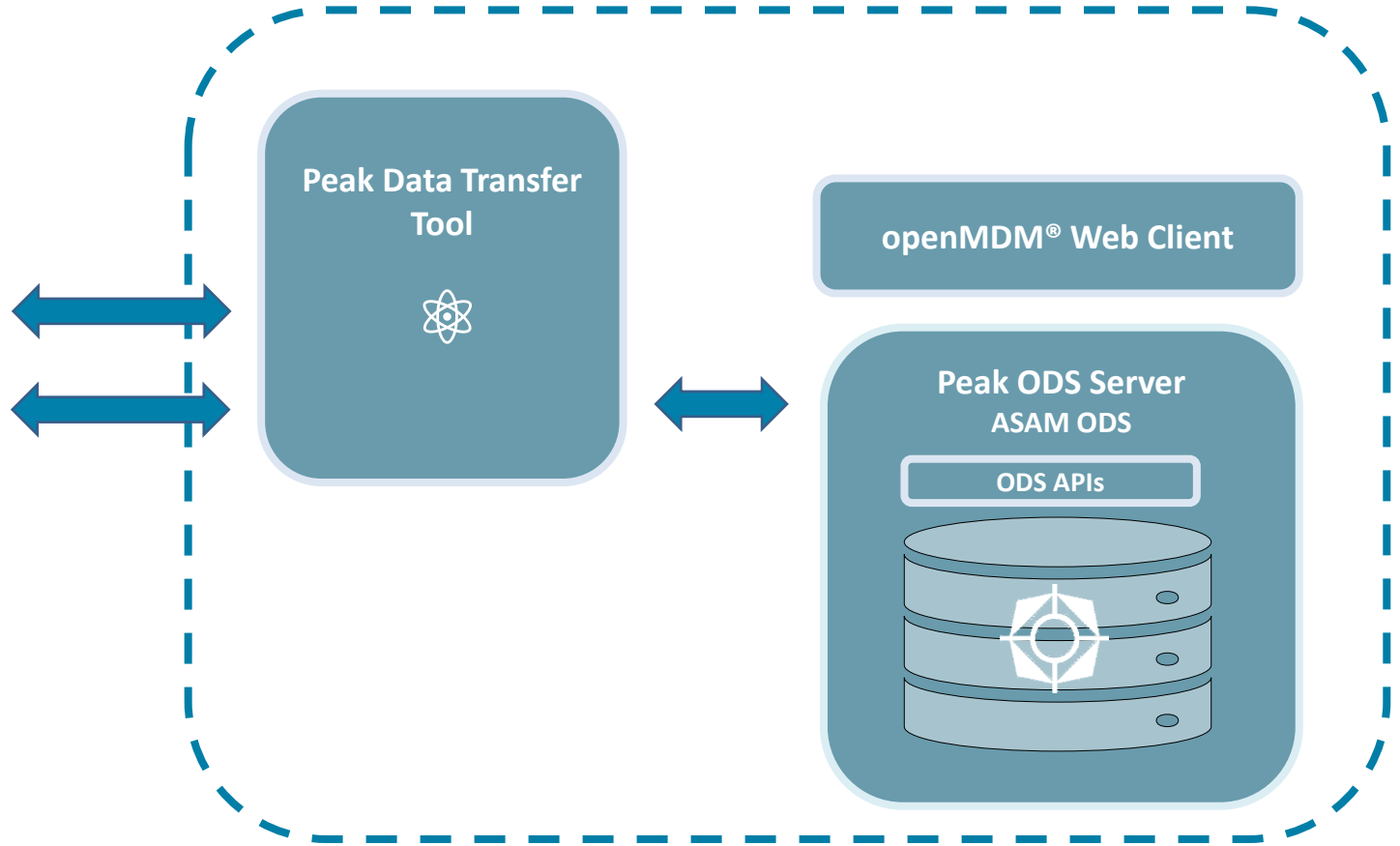
ASAM ODS Server  
ASAM ODS  
ODS APIs

# Measurement Data Management – Exporting Data



# Measurement Data Management – Data Transfer Tool

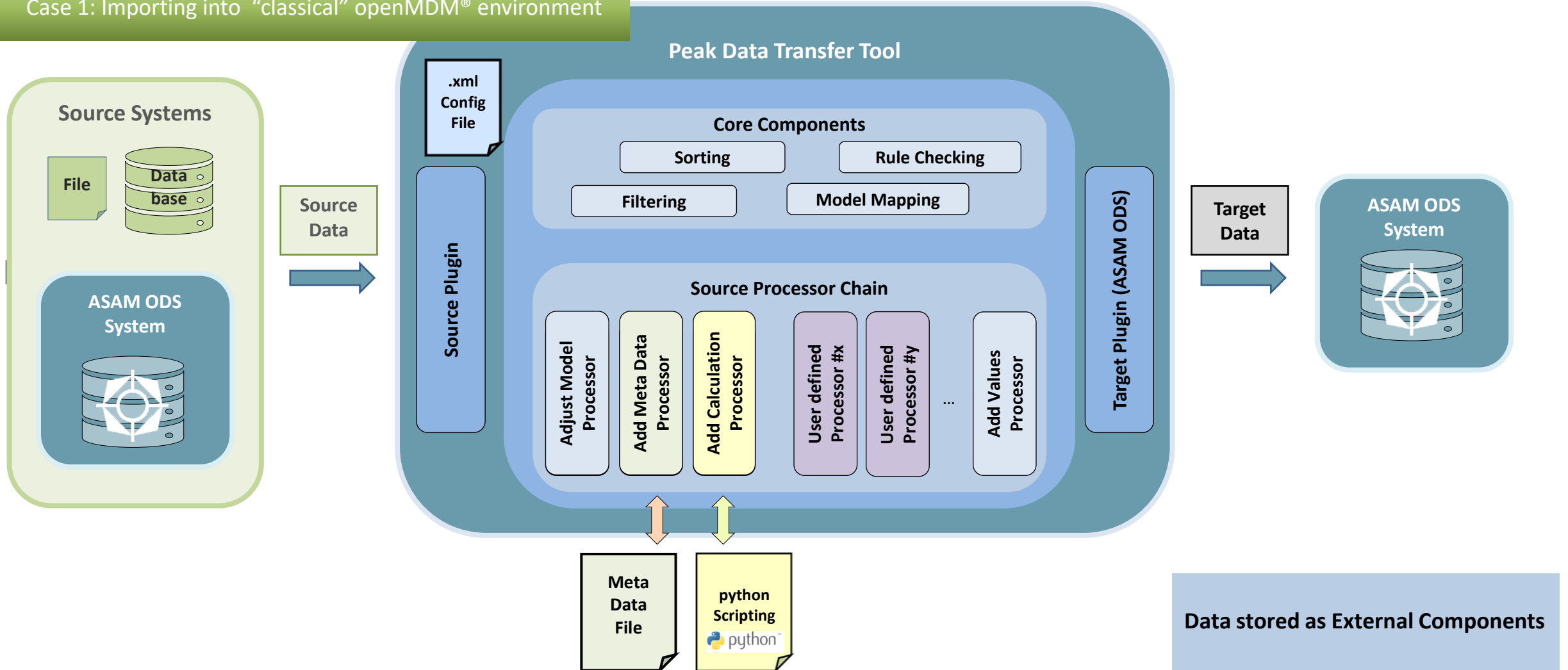
- Connecting a wide range of sources and targets means connecting a wide range of data formats
- Importing and Exporting from/into different tools
- Export for Post-Processing





# Measurement Data Management – Data Transfer Tool – Importing Example

Case 1: Importing into “classical” openMDM® environment



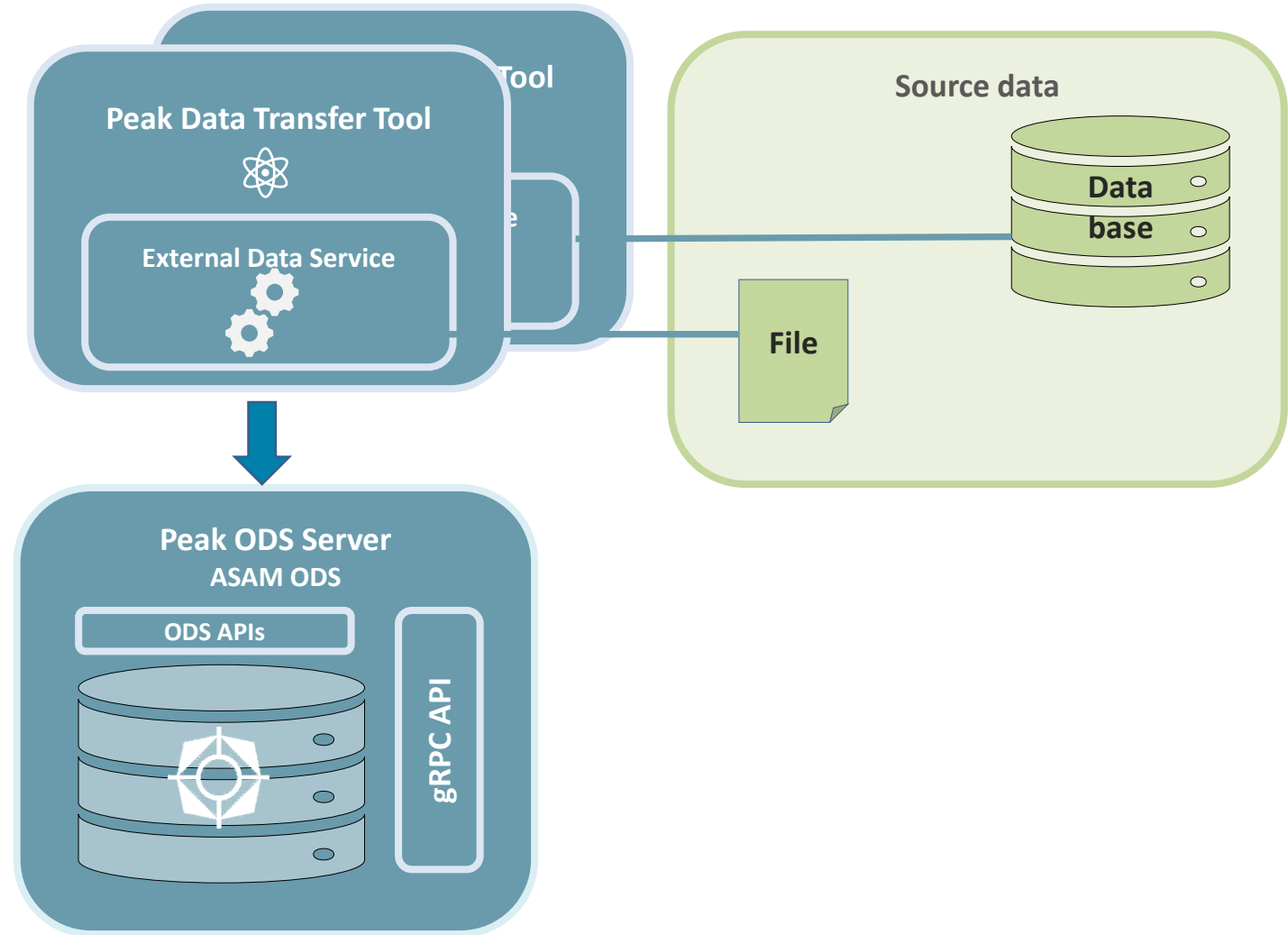
# Measurement Data Management – Data Transfer Tool – Importing Example

Case 2: “Attaching” files to openMDM® environment

Data stored by ASAM ODS Technology gRPC API

Meta Data and Bulk Data Access

Connect Existing Data Silo (File / any data)



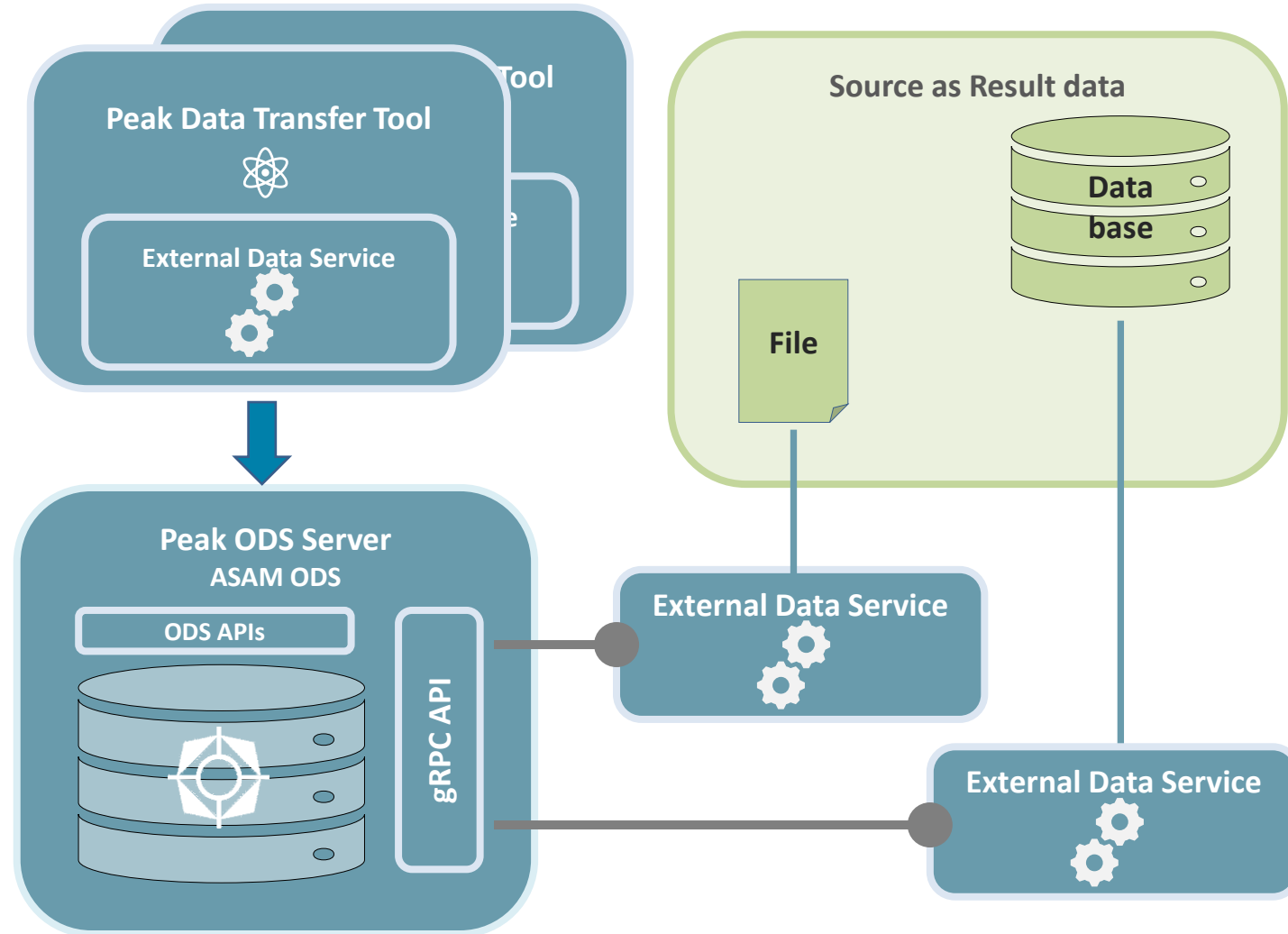
# Measurement Data Management – Data Transfer Tool – Importing Example

Case 2: “Attaching” files to openMDM® environment

Data stored by ASAM ODS Technology gRPC API

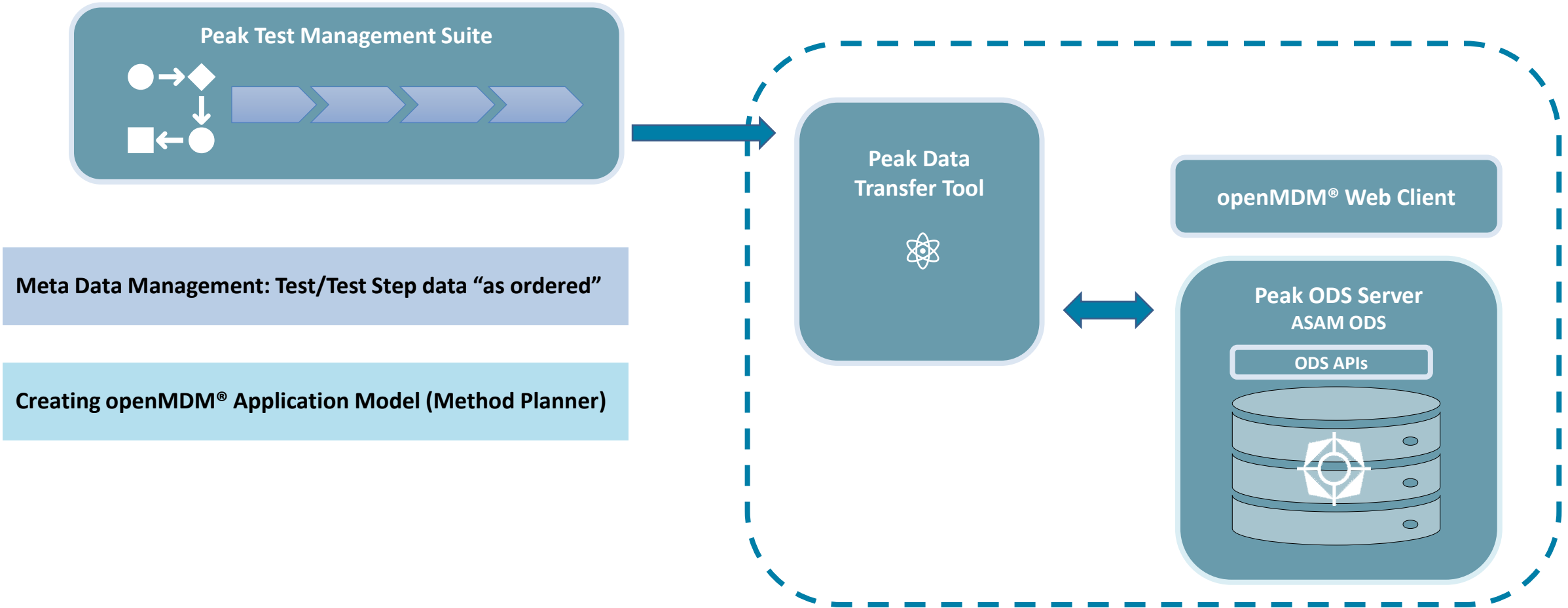
Meta Data and Bulk Data Access

Connect Existing Data Silo (File / any data)



Challenge:  
Managing openMDM®  
Test and Test Step Data  
(Meta Data)

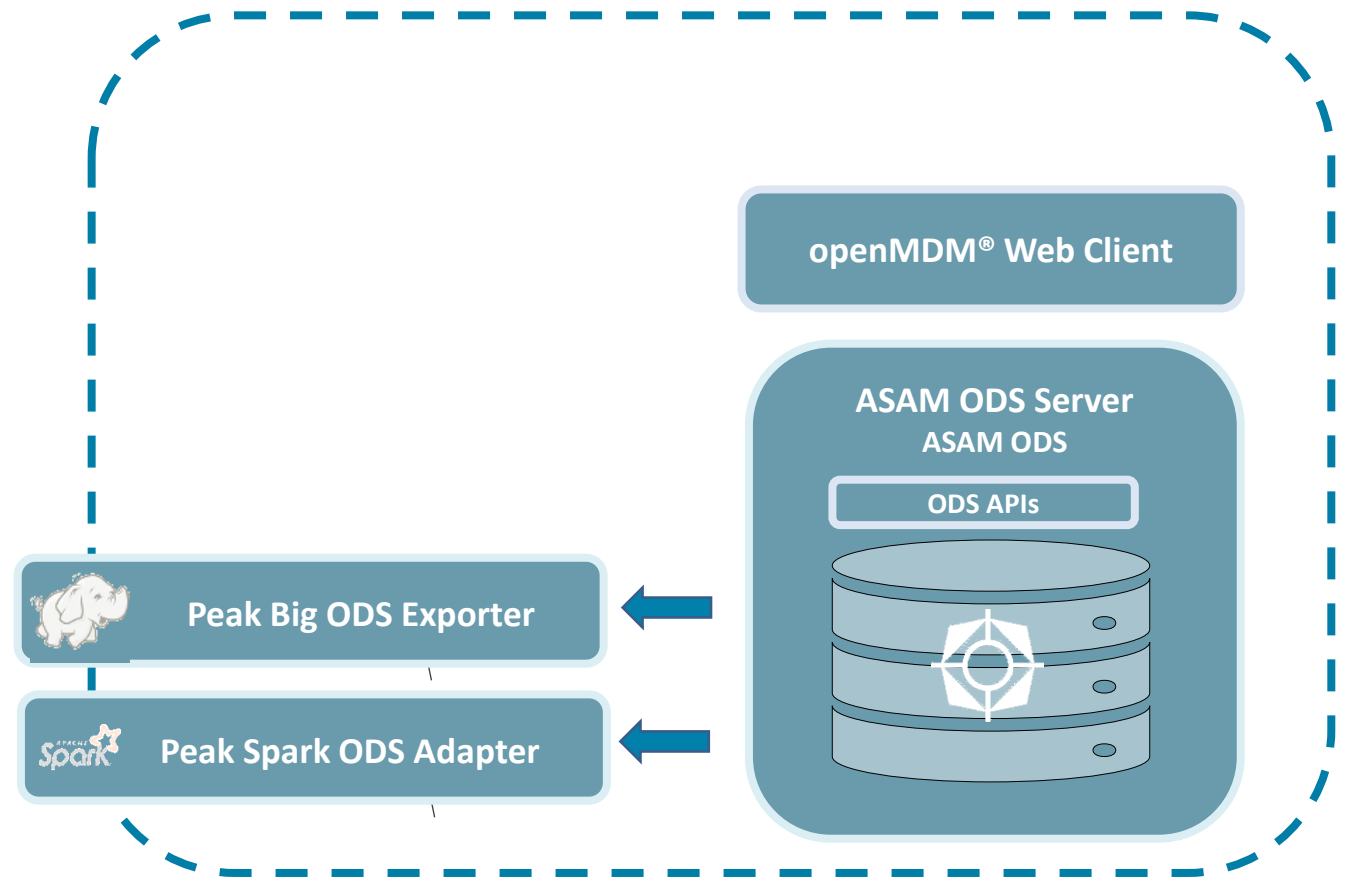
# openMDM® Test and Test Step Management



Challenge:  
Using openMDM<sup>®</sup> data for  
Advanced Analytics

# Measurement Data Management – Advanced Analytics

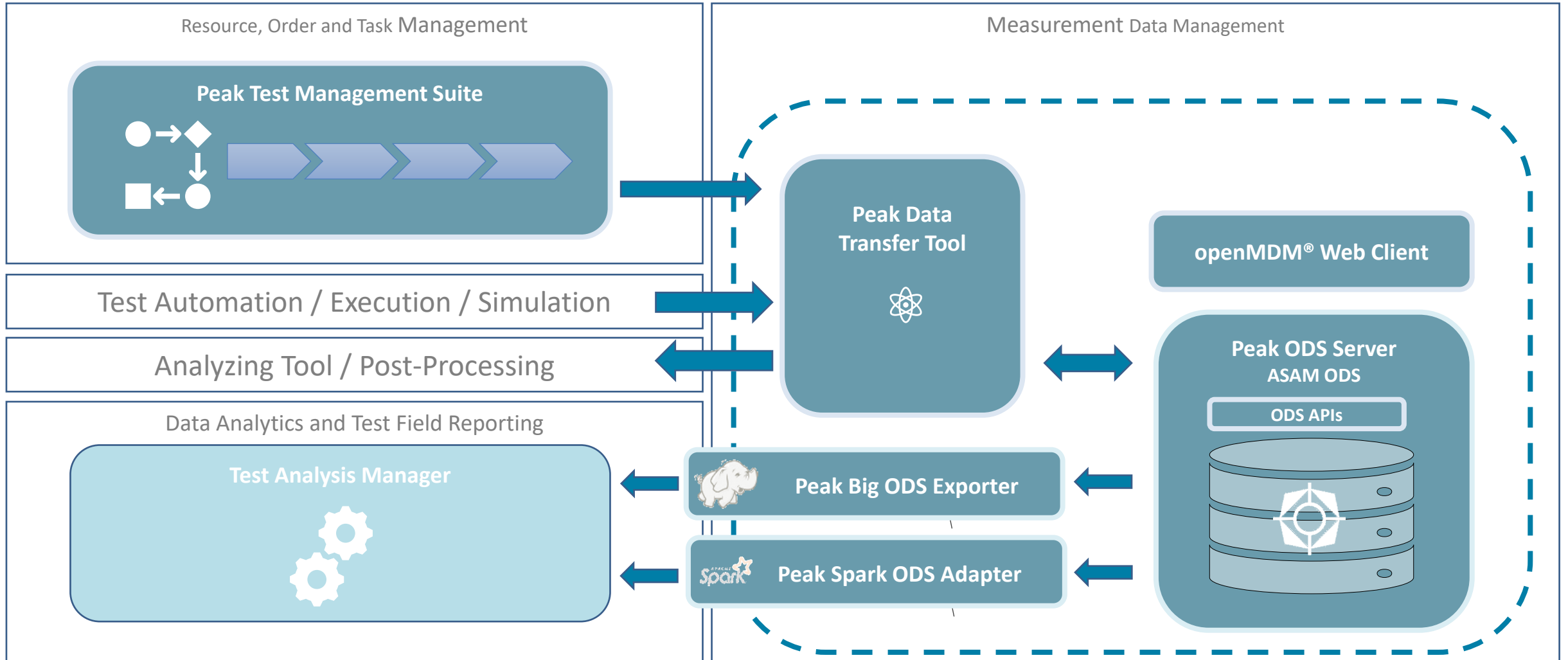
- Export data in an ASAM ODS compliant way
- Data Lake: Storing as AVRO/Json and Parquet data
- Spark Data Frame: Storing as Temporary Tables



Conclusion:  
Efficient Test Data Management  
by using openMDM<sup>®</sup> and  
additional tools

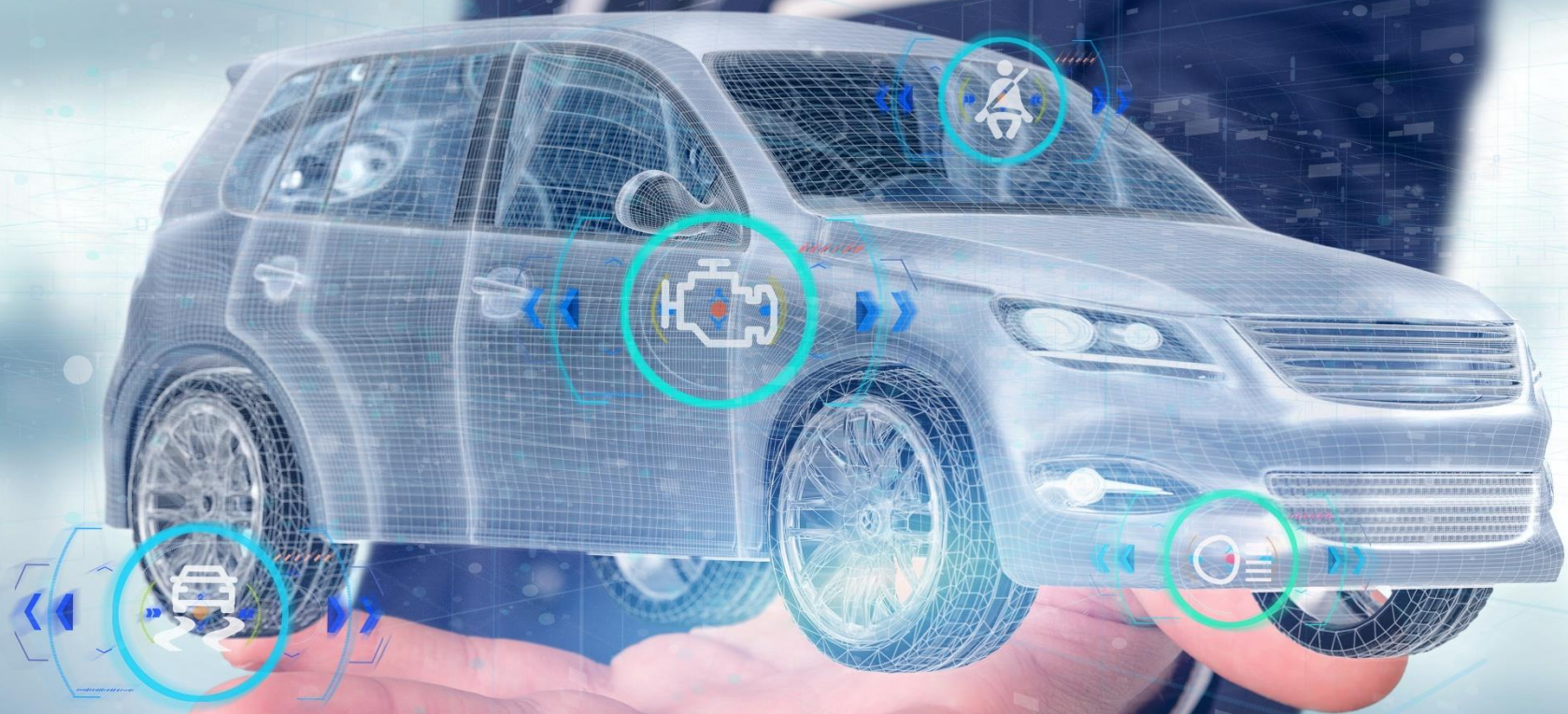


# Efficient Test Data Management





PEAK SOLUTION



Thank you very much  
for your attention!