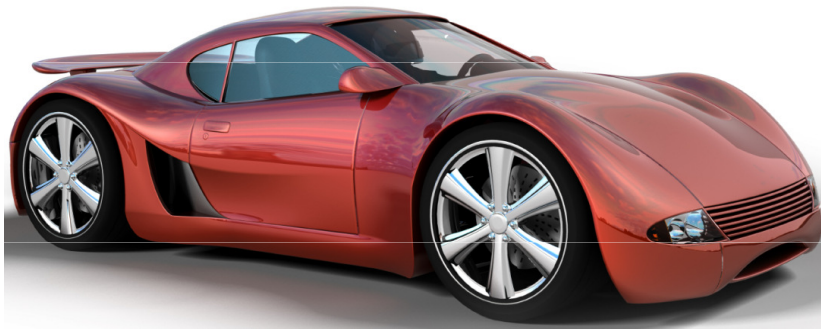# Bridging the Gap between Two Worlds

Managing Measurement Data Parallel in ASAM-ODS and in Files

Andreas Haub, National Instruments
Testing Expo 2010, Stuttgart

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Measurement Data in ASAM-ODS or in Files

Typically, the user experience is very different….

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Storage Type Pro's and Con's

ASAM ODS

- ✓ User defined Data Model
- ✓ Security
- ✓ Browse
- ✓ Search
- ✓ Engineering Unit Handling
- ✓ Standard Interface

Files

- ✓ File Format dependant
- ✓ File System Security
- ✗ No (Stops at File Level)
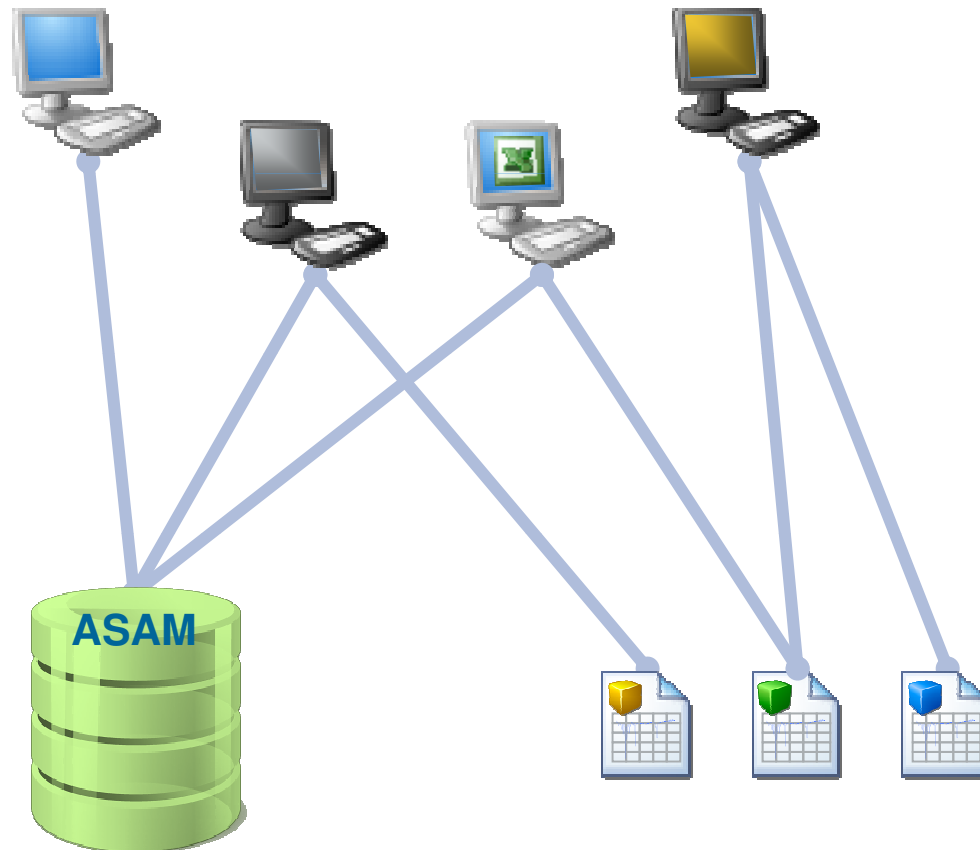- ✗ No
- ✗ No
- ✗ File Format dependant

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Storage User Interface

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Sometimey you want both Worlds

Storage Type Pro's and Con's

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Files

- ✓ File Format dependant
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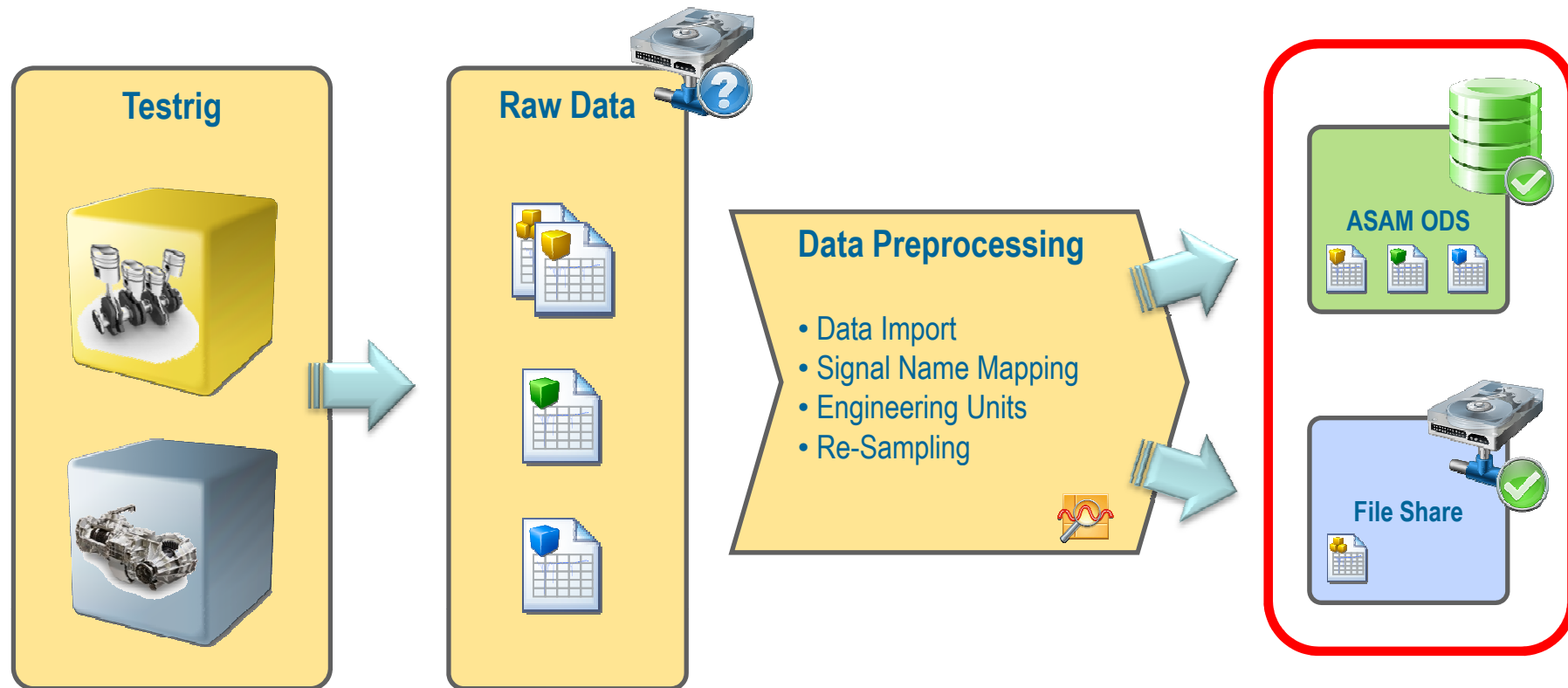- ✗ No
- ✗ File Format dependant

Files & DIAdem & DataFinder

- ✓ TDM Data Model
- ✓ File System Security
- ✓ Browse
- ✓ Search
- ✓ Engineering Unit Handling
- ✓ NI-TDM File Format

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NI-DIAdem based case Study

„VIAduct"

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Typical Data Flow

Testrig

Raw Data

Data Preprocessing

- Data Import
- Signal Name Mapping
- Engineering Units
- Re-Sampling

ASAM ODS

File Share

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Bridging the Gap between Two Worlds
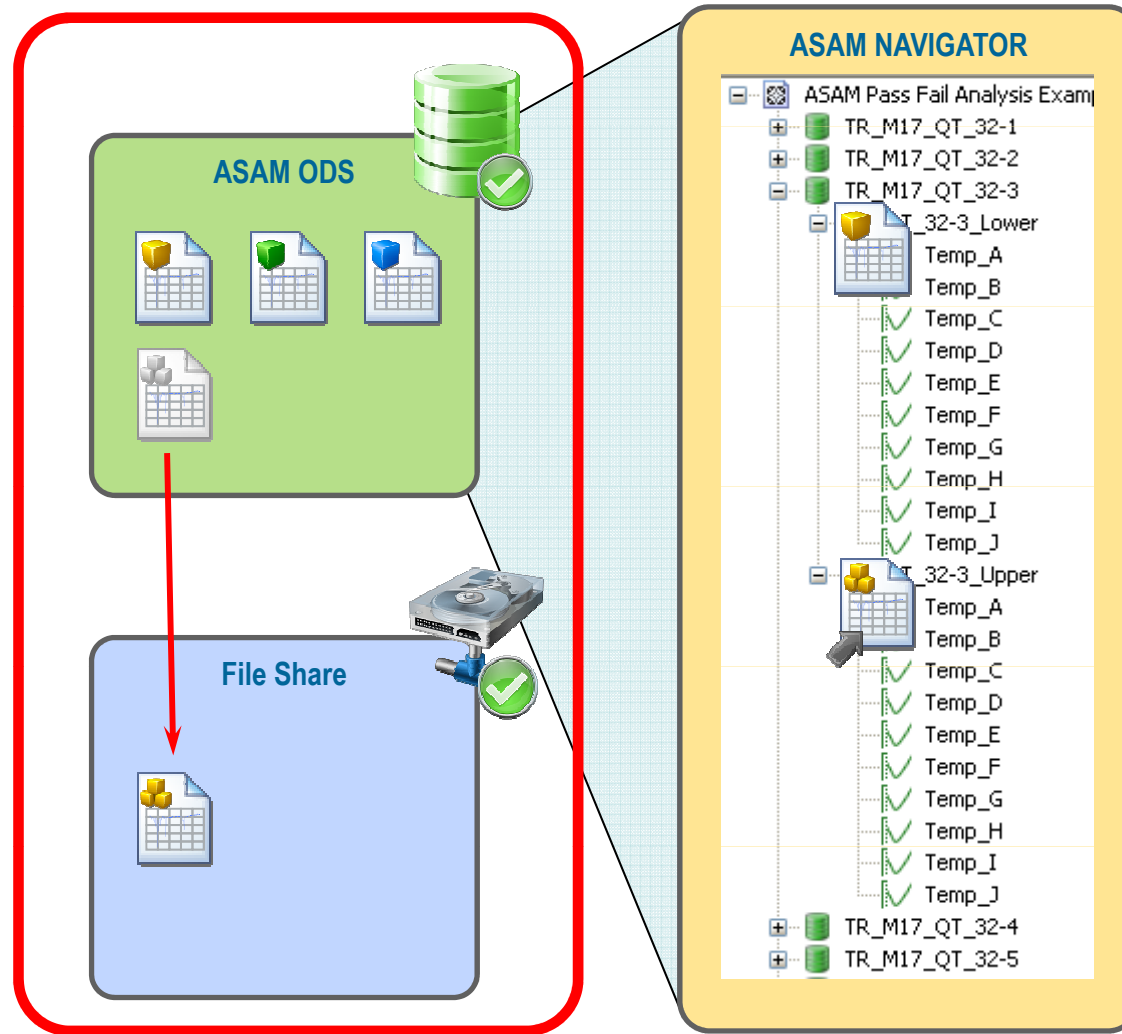
„VIAduct" Live Presentation

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Summary

- 3 Options: Data in ASAM-ODS, Data in Files, Combination of Both

- Using NI-Tools, all options provide a comparable level of functionality
  - Browse
  - Search
  - Preview

- Comparable API's

- Very similar User Interface

- Integrate with your existing Data Processing Tool Chain

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National Instruments at Testing Expo

Hall1, Booth 1720

Please ask for DIAdem Case Study „VIAduct"

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For more information, please visit:

ni.com/german/labview and ni.com/german/diadem
- Introduction to LabVIEW & DIAdem
- Eval-Versions and Web Casts

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