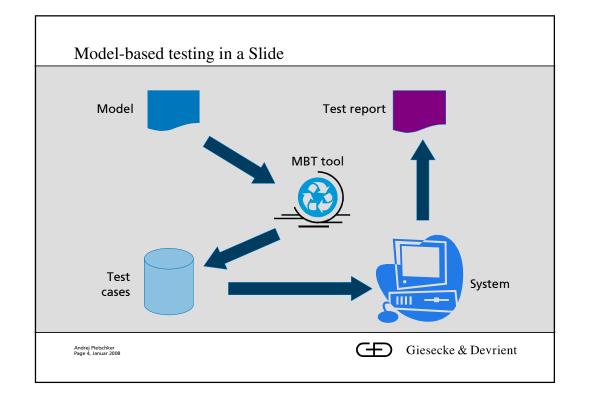


Introduction Test automation has been a topic for many years Automatic test execution is commonly applied Tests are still specified manually Model-based testing is a new hype What does it promise? Giesecke & Devrient



Issues with MBT in Industry

- Confusion about test automation and automatic test execution
 - So I bought a testing tool
- Models are hard to come by
- Model building is still laborious and error prone
- MBT tool support is still in its infancy

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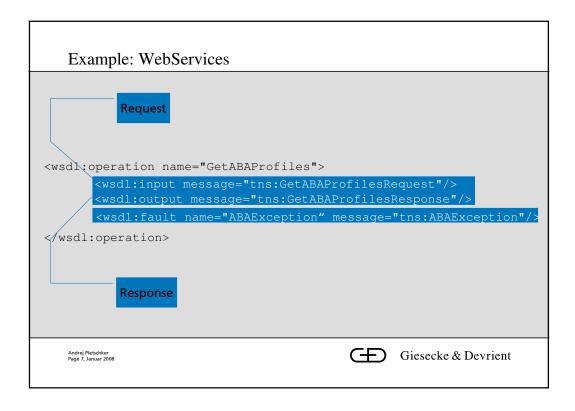
Syntax-based testing approach

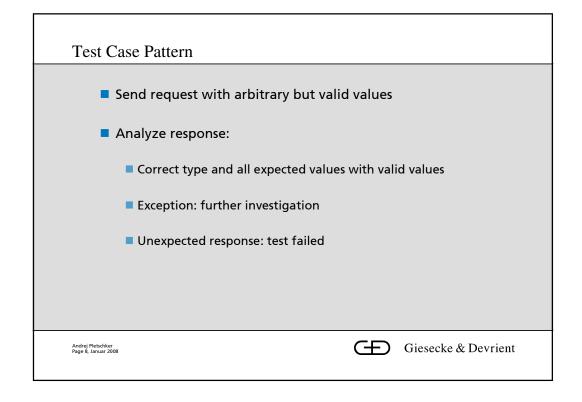
- Return to the simple test approach of checking
 - Request
 - Response
- Many request, response pairs can be determined syntactically
- A pure syntax-based approach is efficient
- Can build upon tool support

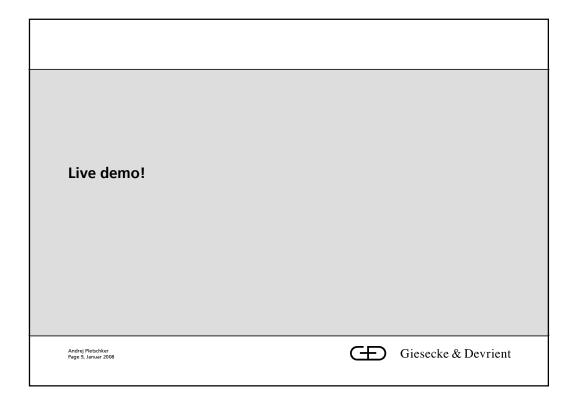
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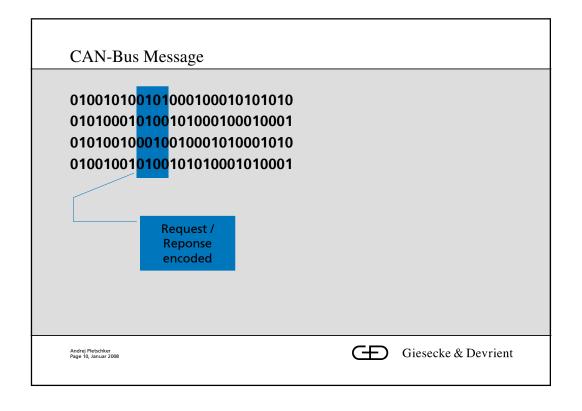


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Conclusions A syntax-based test generation approach Is efficiently implemented Can be fully automated Is more often applicable than you might think Can be used as smoke test Can help to verify test start criteria A syntax-based approach is no substitute For system testing A syntax-based approach can be extended To replace emulators Ardred Pretschker Page 11, Januar 2009 Giesecke & Devrient

| Thank you, | | | |
|-------------------------------------------|------------|---|---------------------|
| | Questions? | | |
| | | | |
| Andrej Pletschker Page 12, Januar 2008 | | Œ | Giesecke & Devrient |