Automated Runtime Testability of SOA Composites

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Service-Oriented Architecture (SOA) Testing Challenges
Inaccurate test environment, because of stakeholder separation, limited information, control and influence, distributed environments, system states...

System Reconfiguration Testing

Built-In Testing
Testability and Testing

Case Studies
Industrial Case Studies with Logica & Open-Source Case Studies

Typical Reconfiguration Faults
- Classification
- Impact
- Detection

OSGi
Analysis and Enhancement of Open Service Gateway Initiative frameworks

Expected Outcomes
1. A new approach for online testing to detect state-based faults
2. A series of fault models classifying faults that appear especially in production environments
3. Empirical evidence concerning the effectiveness of the proposed approach
4. An open source tool for online test support, including generation and execution of test cases

More information & download:
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