Experience certainty. IT Services

OPPORTUNITIES IN SYSTEM TESTING



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Motivation

- Scarce Subject Matter Expert (SME) time
- Reuse
- Packaged software/products testing

Solution components

Specify tests in a concise manner, capture key data, conditions and verification using models, etc.

SMEs

Describe application primitives using models, etc

Application Experts

State of the art

- Test automation
- Bottom-up
- Hard to maintain tests with changing functionality
- Ad-hoc test data generation
- Testers do everything
- Verification is often an assumed activity
- Hardly any reuse of test-ware and/or domain knowledge

Map high level tests to application primitives and create high level tests.

Translate high level tests and verification to executable tests. Also tie in test data.

Test designer **Testers**

Solution characteristics

- Top down
- Explicit focus on verification
- Reuse test-ware

- Separation of concerns of test designers and testers
- Leverage data generation
- Reuse of domain knowledge and models