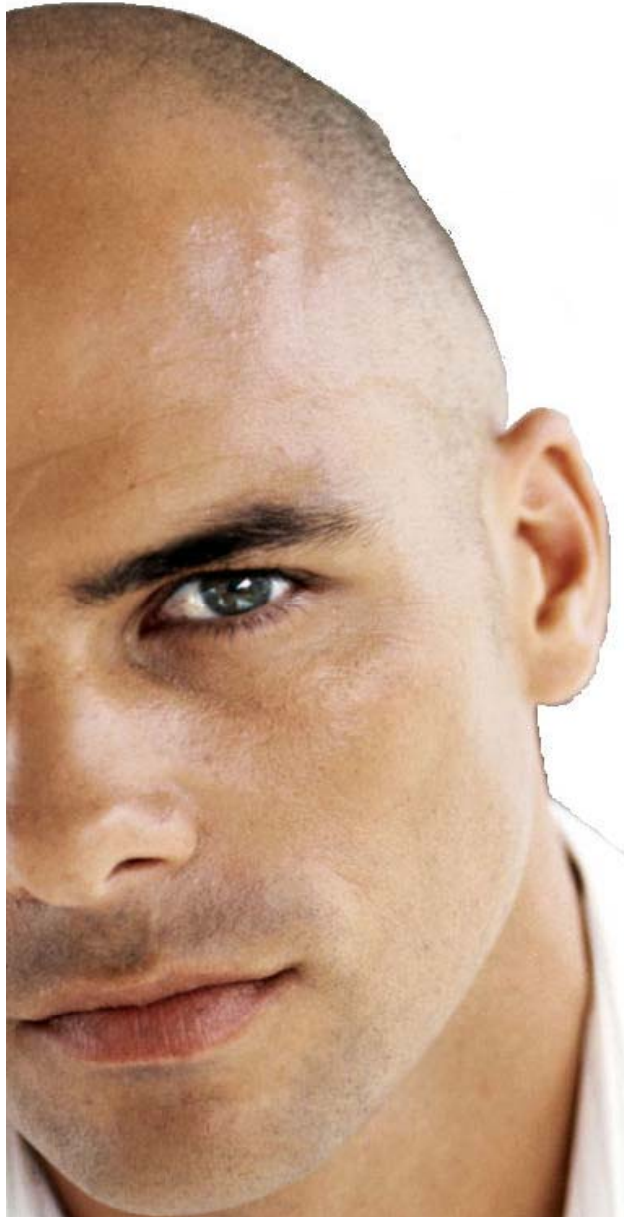




Original Software



Advanced Automation for Regression Testing of Applications

Gregory M. Sengpiel, General Manager
www.origsoft.com



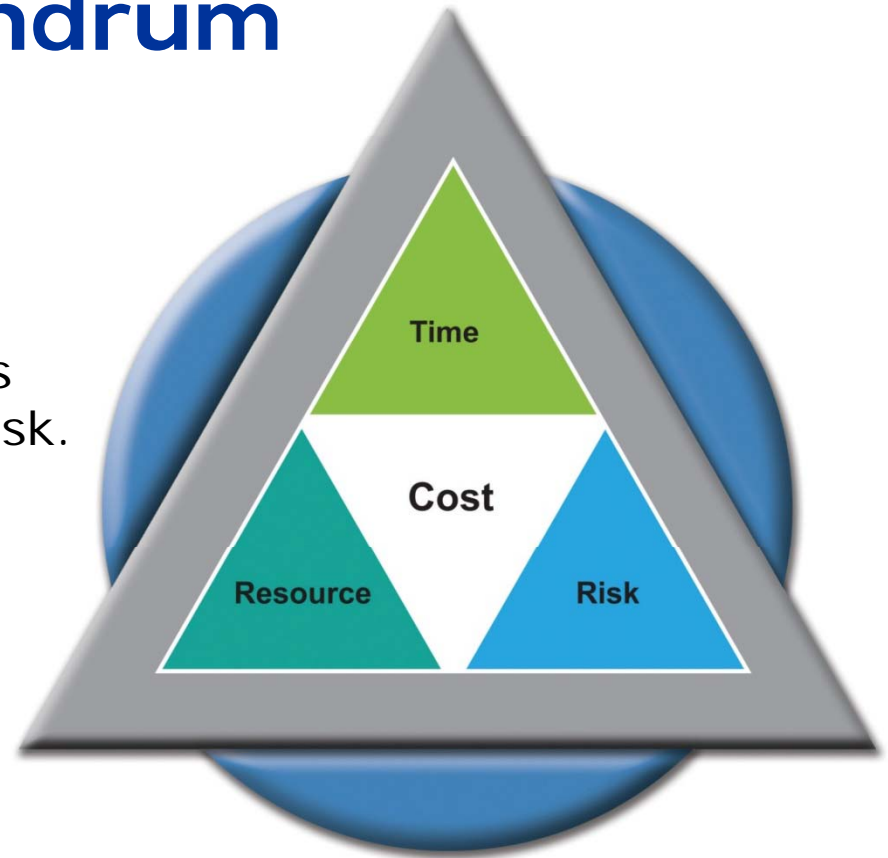
Puget Sound Oracle Users Group



The Quality Conundrum

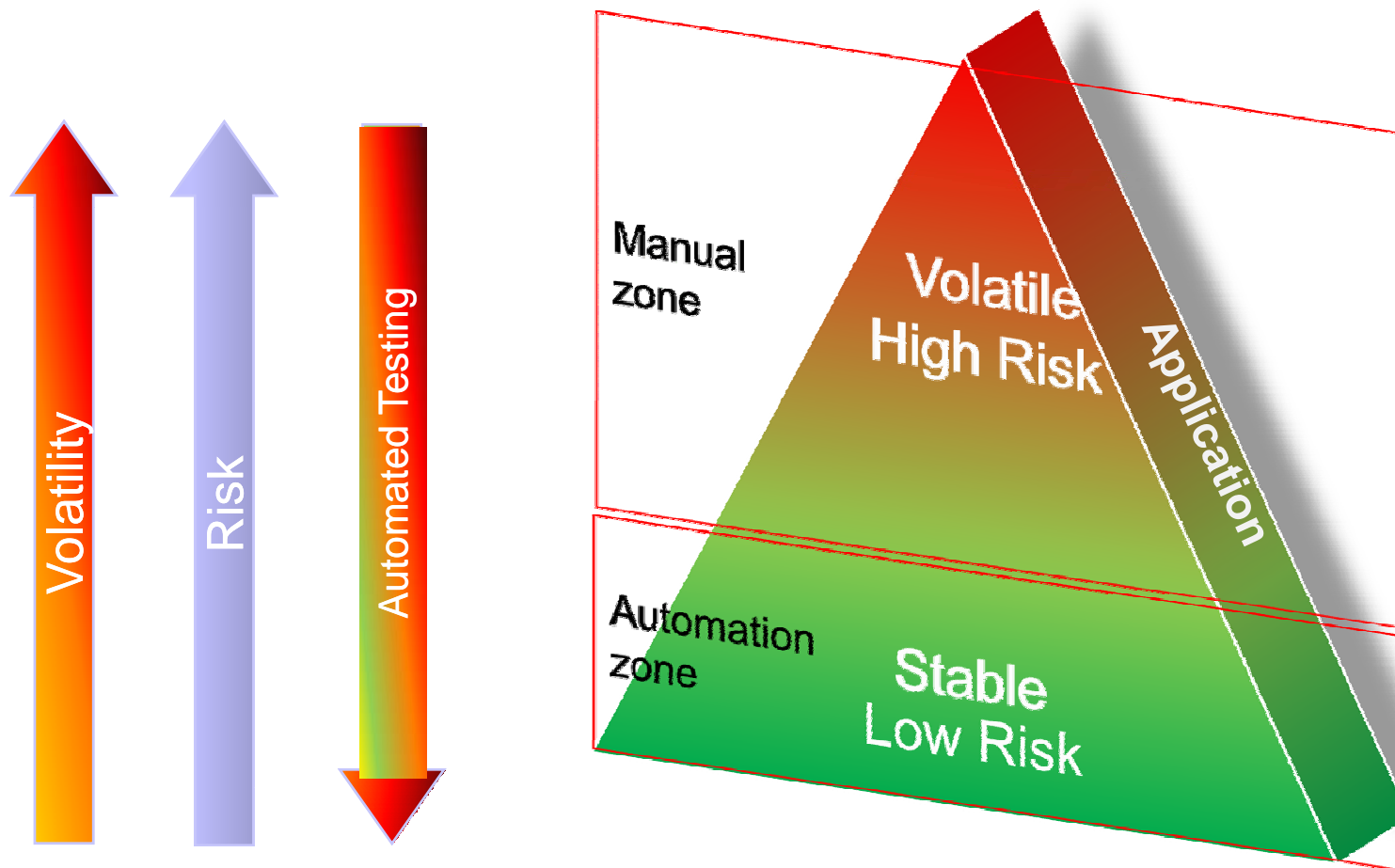
The Quality Conundrum is the paradox of improving application quality while reducing the costs associated with time and resources and balanced against application risk.

Resource, risk and deadlines are often in conflict as information system teams attempt to deliver quality applications within their budgetary constraints.





Risk-Volatility Triangle





Original Software

Company Background

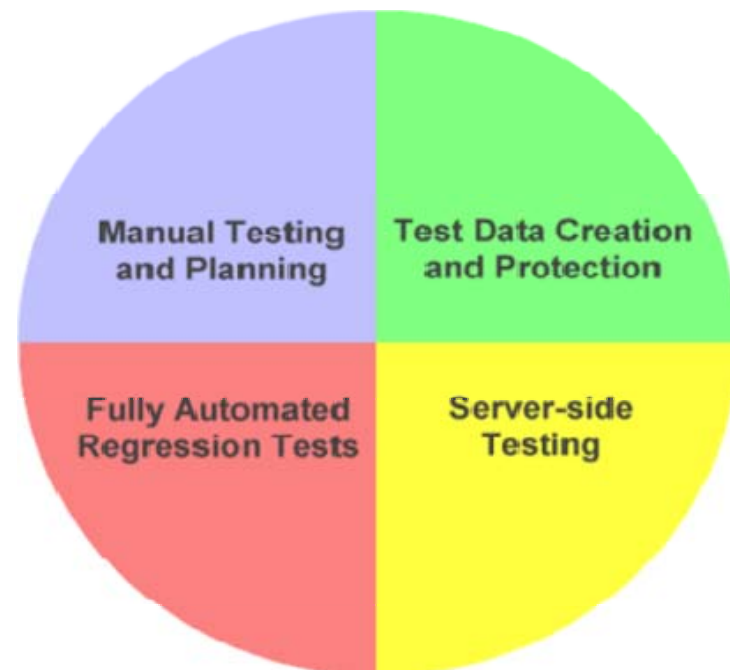


- Founded 1997
- Over 400 customers in 25 countries
- Headquarters in USA, Europe and Australia
- Global distribution network
- Key industry relationships



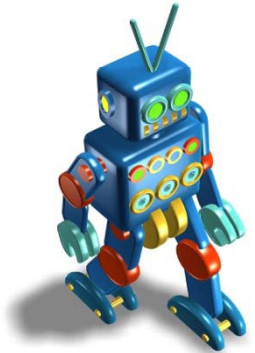
“Total Testing”

- Test planning and management
- Defect tracking and issue support
- Test data management
- Database effects
- Batch and Interactive processing
- Visual layer testing
- Action maps
- Business process testing





Traditional Tools



Script based, high maintenance and skills costs, **cannot evolve**



Complex to learn, limits potential users, hide application knowledge

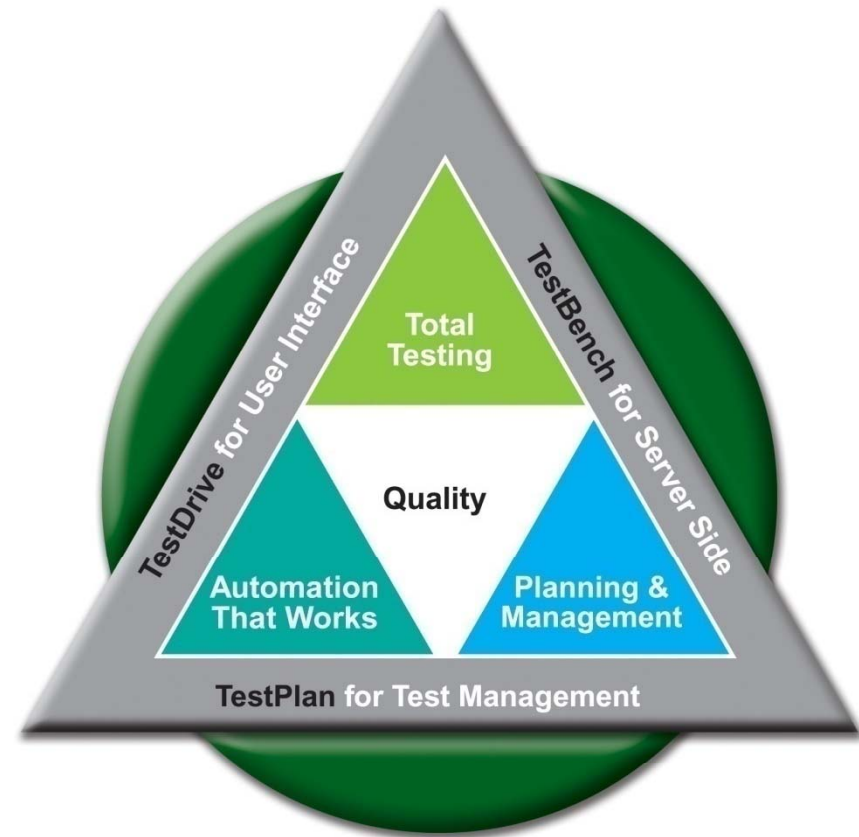


Extend not shorten timescales, become **part of the problem**



TestPlan

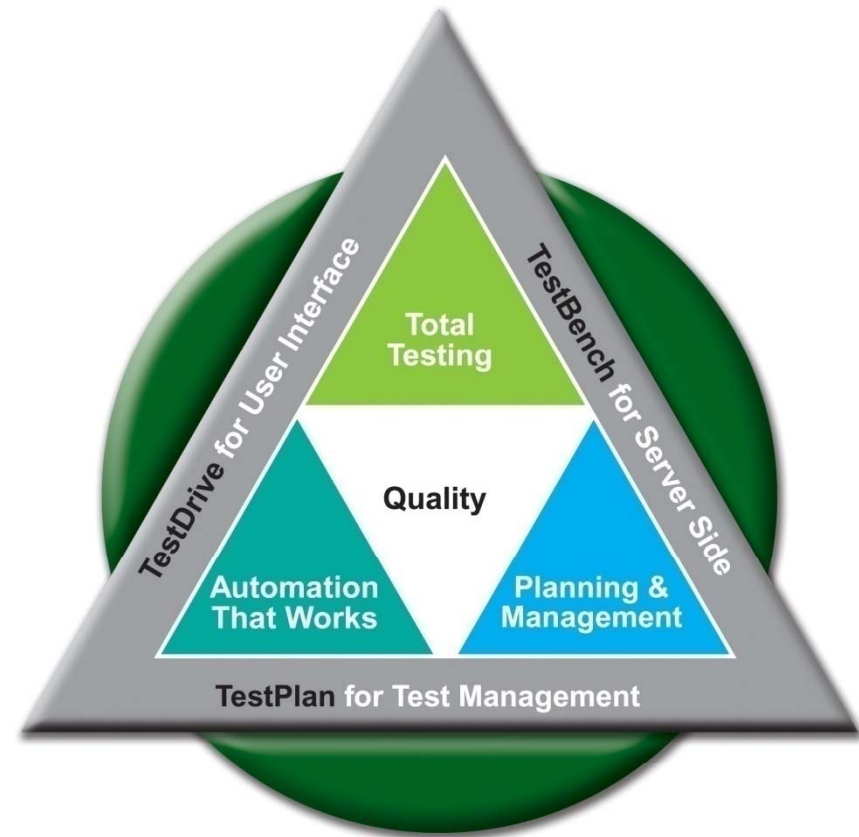
- Testing Tasks
- Testing Resources
- Collaboration
- Defect Tracking
- Project Management
- Audit Reporting





TestBench

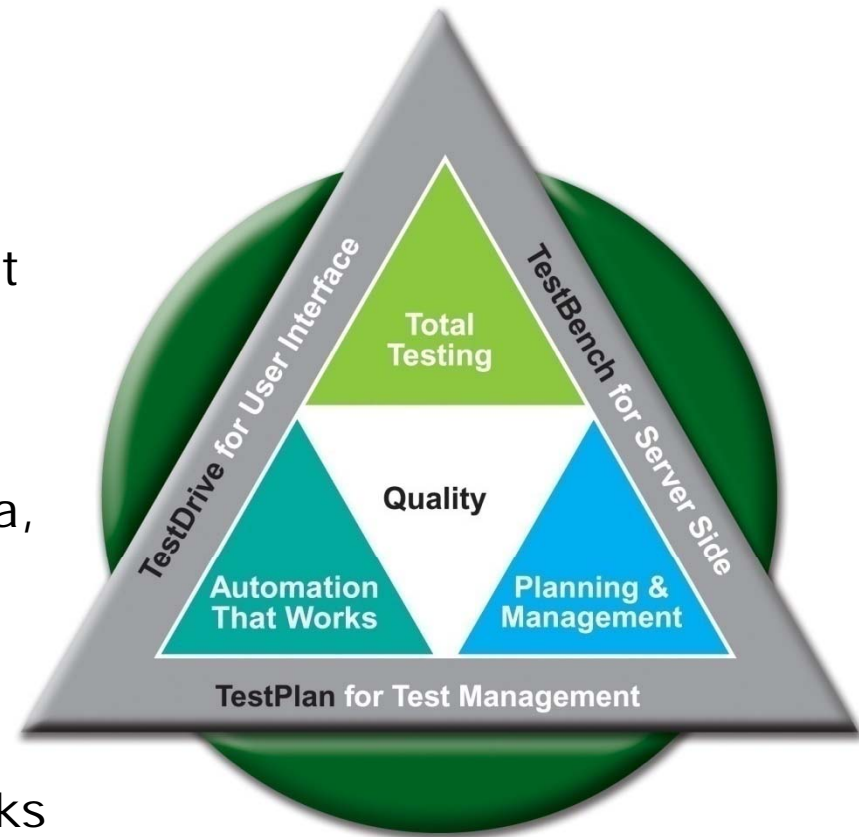
- Data Extraction
- Data Sub setting
- Database effects
- File Compares
- QA Team Managed
- Data Rules





TestDrive

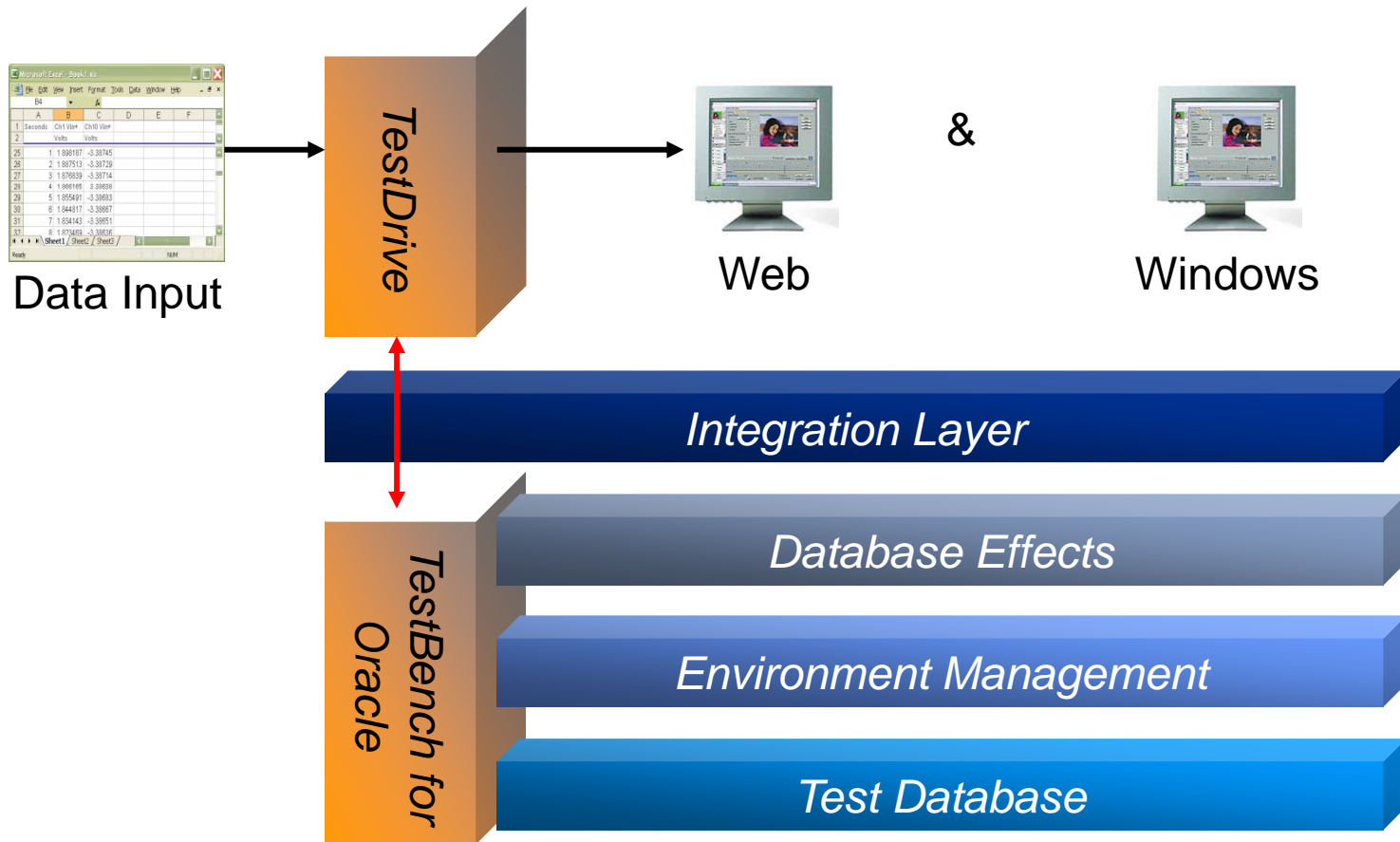
- Code Free Script Development
- Self-healing Scripts
- Variable Data
- .Net , Web, Ajax, Eclipse, Java, Windows, Green Screen
- Data Validation Rules
- Block Testing
- Quality Checks; Spelling, Links
- Tracked Fields and Verification
- Reports and Results





Original Software















Testing Application Stack





Original Software

Automated Testing Competitive Analysis

	 Original Software	HP Mercury	IBM Rational	Borland Segue	Compuware
Visual Layer					
Code free					
Self-healing scripts					
Server-side testing					
Test data management					
Manual test automation					
Total Testing					



DBA's and QA

How much time do DBA's spend managing test data environments?



Why is that?



Test Data Environments

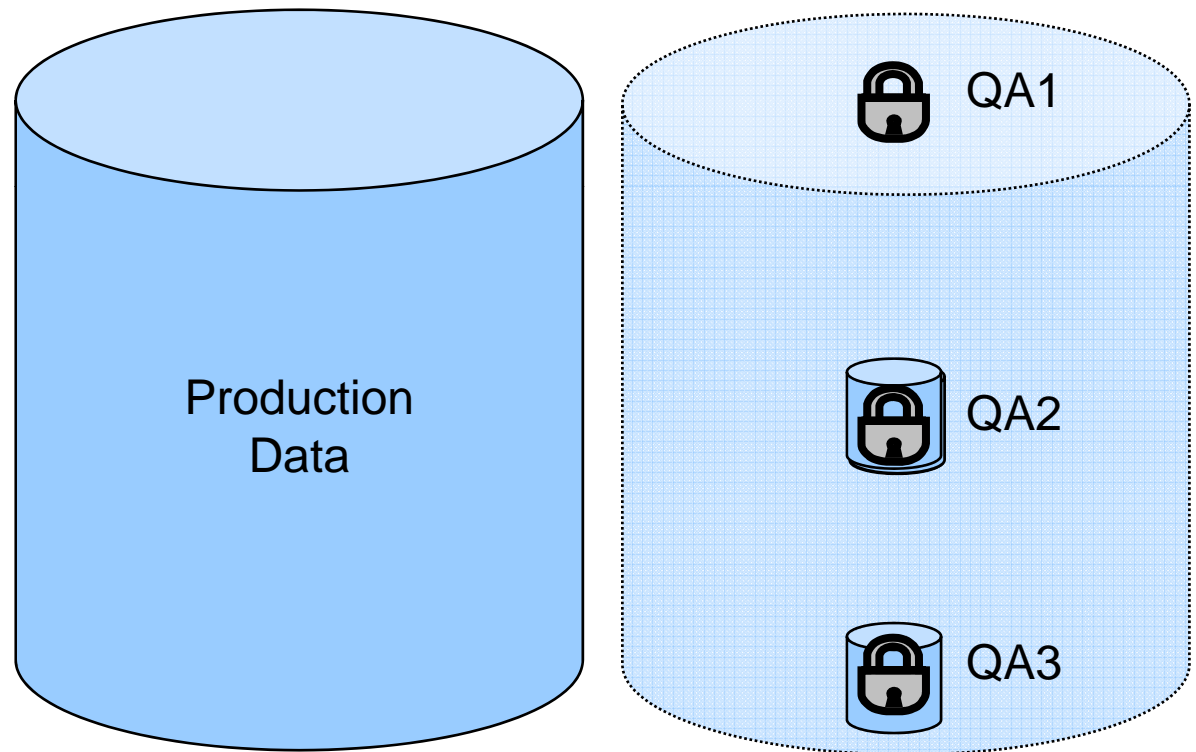
- Test Data Environments
 - Create
 - *Extraction*
 - *Data Sampling*
 - Manage
 - *Data Selection*
 - *Focused, Relevant Test Data*
 - Protect
 - *Incremental Checkpoints & Rollbacks*
 - Security
 - *Scramble data for compliance*
- Designed for use by QA resources
 - *Ease of use*
 - *Improve collaboration with QA resources*



Original Software

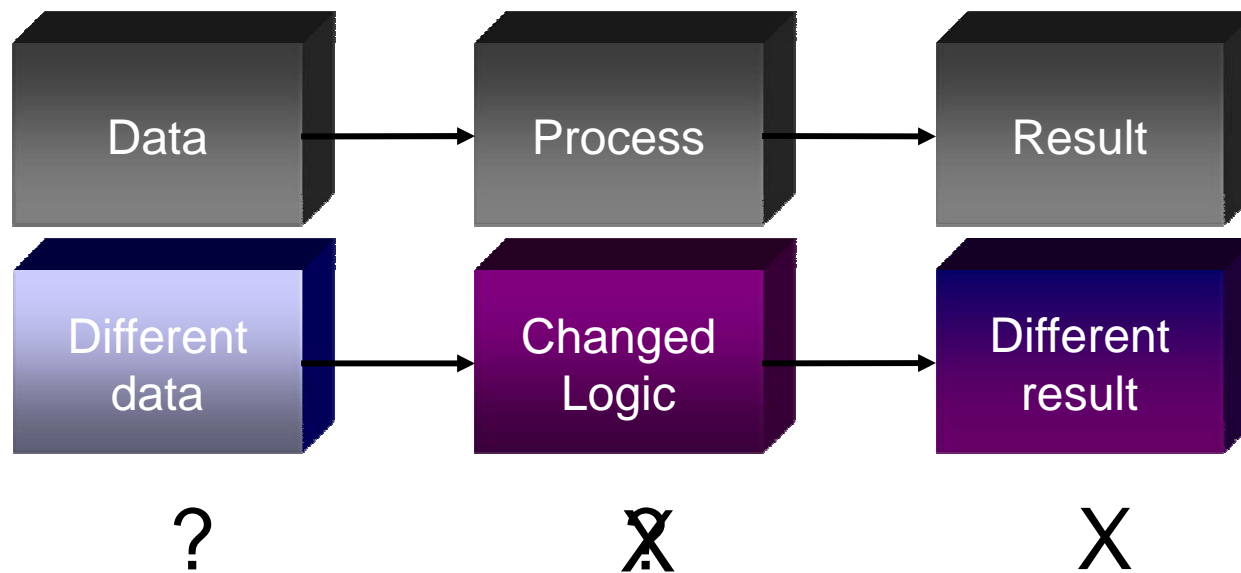
Oracle Database Environment Management

- Clone Schema
- Data Extraction
- Data Scrambling
- Repeat





Data Strategy



Remove the Variables

- TestDrive removes the 'human' variable
- Environment Protection removes the data variable

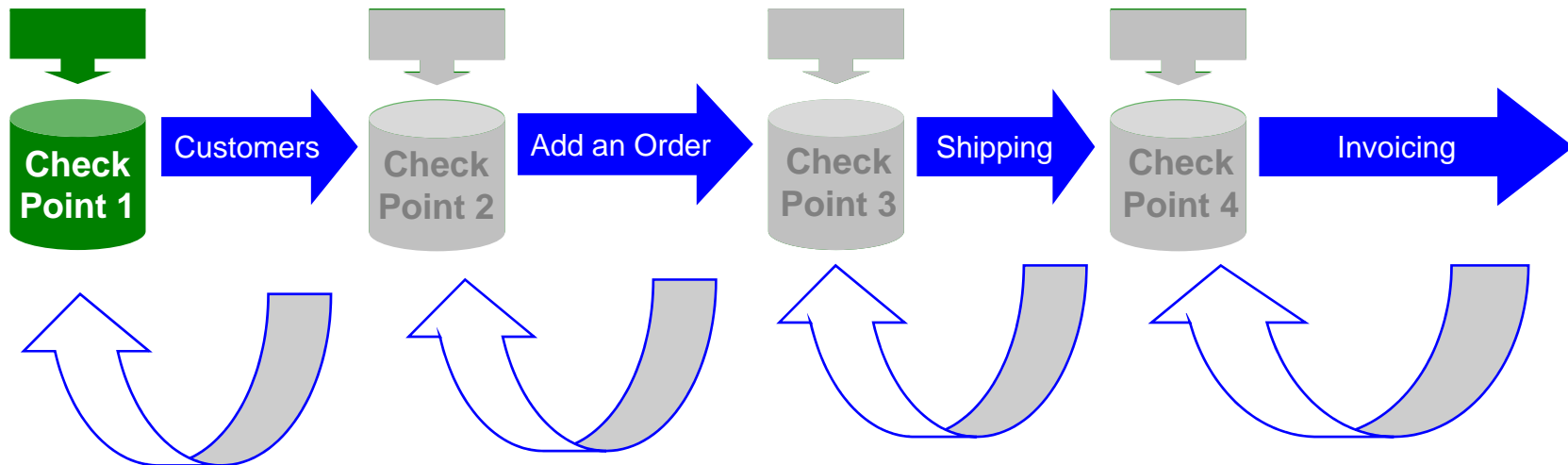


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Environment Management



Incremental Check Points



Incremental Roll-back



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Proven

- **BP/Castrol** save **90%** of time in testing complex processes
- **HMV** hit pre-Christmas deadline, saving **3 months**
- **Cargill** save over **\$270k** yearly, testing JDE
- **Macmillan Cancer Relief** saved **66%** in testing time, doubled coverage
- **RBS** – 6 weeks of UAT to 1 week – **83%** saving in time
- **HSBC** save **50%** of time in unit testing Coda changes
- **Capital One** saved **75%** of Business as Usual testing of web site
- **Skandia UK** save **90%** of effort in regression testing

Automation that works!



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Product Demonstration

Ed Teune, Solutions Architect
Original Software