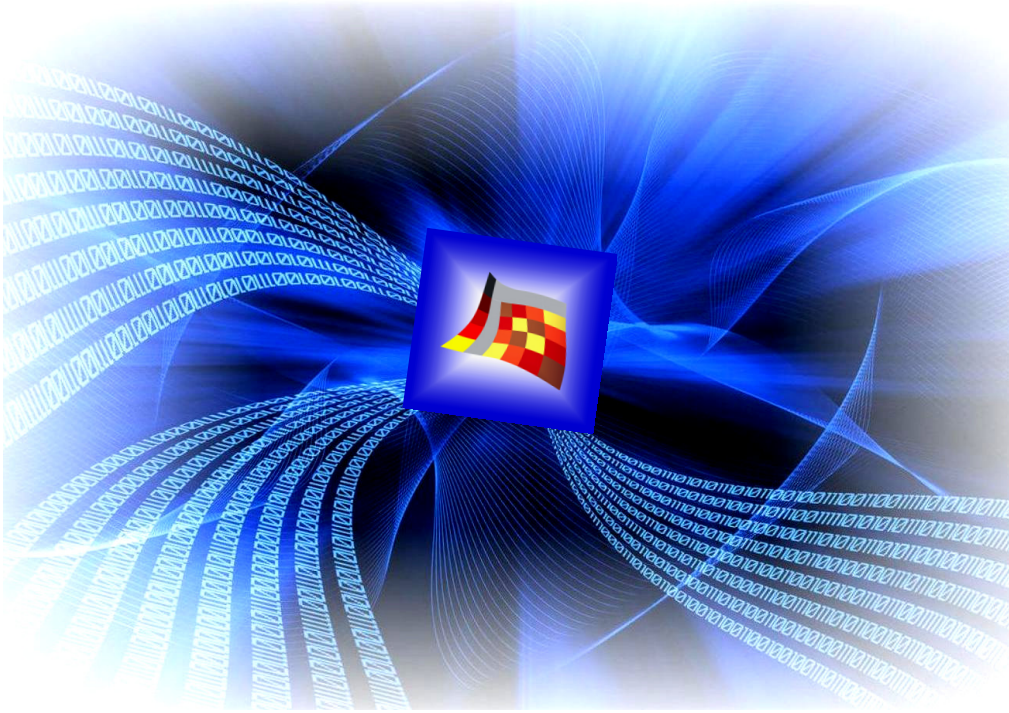
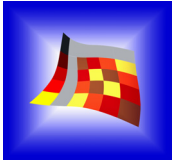


Testcover.com:



Your test design requirements.

Covered.™



Testcover.com: The world's testing problems. Solved.

Our world—financial, healthcare, retail, telecom, transportation, government and virtually every other relevant segment of our business and consumer lives—runs on software, networks, distributed applications and other automated systems. Users demand new products and features faster than ever before. To those of us charged with meeting the demand, this means shorter development cycles and complexity that can rage out of control. Worse, our test organizations, tools and processes have not kept up with the proliferation of new technologies and applications. The resulting software problems cause system failures responsible for a wide range of negative outcomes from lost productivity, power outages and automotive recalls to personal injury and even death.

Testcover.com offers a solution: A pairwise/all-pairs test case generator on a cloud/software as a service (SaaS) basis at <http://testcover.com>. No software to buy/install/maintain. **Save time and money on every project.**

Pairwise/all-pairs test case generator practical for everyday use

Testcover.com is a quantifiable breakthrough in test coverage and efficiency. Other test case designs depend on random selection or guesswork, and this compromises test quality. Testcover.com uses a proprietary algorithm that enables complete testing, confirming correct configurations and identifying defects, without simply running test cases at random. Since the test design is complete with a minimal number of cases, you know when there are "enough" test cases. You don't have to worry about whether, for example, X graphics card has been bench-tested with Y version of Z operating system, because all pairs of test values are covered. Testers can spend less time on this part of test planning, run fewer test cases and keep the development process moving.

Supports UML and integrates with broader test and software frameworks via WSDL

The Testcover.com service supports designs for test configurations, test input values and test database records. It also supports test designs for UML (Unified Modeling Language) state machine diagrams, which specify the detailed behavior of software systems under development. Testcover.com offers a choice of test models for both stand-alone and integrated regions of state machine diagrams. Testcover.com works well as an independent test design solution and its WSDL (Web Services Description Language) interface enables ready integration with virtually any software or test automation framework.

Testcover.com is not the first to address test design challenges, just the best. Here's how

Experienced software engineers know people have been struggling with this test design problem for many years. One of the first to make tangible progress in solving it was Dr. Genichi Taguchi, world-renowned engineer and statistician, who developed a methodology for applying statistics to improve the quality of manufactured goods by using orthogonal arrays to select test parameters. Others applied these ideas to software testing. Yet four things have prevented widespread adoption—and the Testcover.com solution addresses every one of them:

1. **Finding an Array.** For a test design tool to provide pairwise coverage it must find a covering array to use as a template for the test case list. Generating covering arrays can be a computational challenge, and identifying the best arrays continues to be an area of active research. The Testcover.com solution leverages research advances and proprietary technologies to generate small sets of test cases quickly.
2. **Handling Constraints.** What happens, for example, if the test plan calls for running the Internet Explorer browser on the Linux operating system? That configuration is not supported; any test case including that value pair is impossible. Yet you cannot simply omit such test cases because they also contain other required value pairs. Testcover.com covers all allowed pairs while avoiding impossible combinations, and handles constraints with a simple input form that describes allowed/viable combinations of test values.
3. **Error Cases.** Systems under test have multiple operational states. For example, a calendar application behaves differently with a good (valid) date (e.g., February 29, 2012, a leap year) than with a bad (invalid) date ("February 29," 2013, which is not a leap year). If the pair "Feb with 29" is tested only in the error handling state, some test case generators (or testers) will leave a gap in the test coverage of the normal state. Testcover.com covers the tested system completely, allowing for various operational states by supporting multiple test case partitions for the different states.

4. **Simple, Tester-friendly Operation.** Working at the end of any development project, usually under the tightest of deadlines, testers must work fast yet uncover any potentially product-threatening bugs and prove that the product will actually work as designed (and sold). There is simply no time for a tool that requires a great deal of setup or significant effort to run. Testcover.com provides a simple yet versatile interface so you can easily find your test cases. Then if you need to change some test values due to a late requirements change, revising the plan is quick and easy.

Some of the world's leading organizations use Testcover.com. Here's why

Testcover.com is an ideal solution whether your organization has three testers or 300. Customers using Testcover.com include:

- A global infrastructure, finance and media corporation that specializes in groundbreaking innovations across a range of products from everyday household items to advanced fuel cell technology
- A leading international provider of digital document management technology and services that was named a 2010 Outsourcing Excellence Award winner by the Outsourcing Center
- Dozens of researchers and students at major universities in the Americas, EMEA and APAC

Other examples:

- A computer manufacturer generating test configurations to drive compatibility and performance testing of its products with various operating systems, business productivity suites, Internet access types and speeds, browsers and online applications
- A test tool vendor integrating the Testcover.com WSDL interface to seamlessly provide users with enhanced test case generation capabilities
- An accounting software developer using Testcover.com to create test database tables mapping to business rules
- A manufacturer of peripheral devices using Testcover.com to select driver test parameter combinations
- A development team using Testcover.com to specify test models from UML state machine diagrams
- An IT services company using Testcover.com to optimize its designs for test configurations, test input and test database tables
- A managed services provider using Testcover.com's WSDL interface to automate test configurations for deploying and managing devices, networks, software applications and services

About Testcover.com

Testcover.com, LLC was founded in 2003 to aid testers in the selection of efficient sets of test cases. The Testcover.com team has more than 30 years of engineering experience on commercial development projects and is responsible for the concept and development of CATS, one of the first combinatorial test case generators. Recent work also has led to significant improvements in the algorithms for constructing covering arrays, which are the mathematical foundation for test case generation.

We invite you to a risk-free trial of this online test design generator solution

We are currently offering a risk-free trial of this exclusive test case generator service so you can put it to the test yourself, using whatever test design scenarios you are currently working on, to discover how Testcover.com can reduce test costs and improve product quality. Why are we doing this? Because we are confident that once you try Testcover.com you will never want to live (or at least work) without it again. To learn more and arrange for a risk-free trial visit <http://testcover.com>, dial +1 732 299 4852 or email mgmt@testcover.com.



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