encore
SOFTWARE SERVICES

Optima
TEST OPTIMIZATION

Generate
Optimized
Automation Test Scripts

1. A Comprehensive Test Optimization solution
2. Generates optimized automation test scripts and executes them
3. Increases confidence in Product and Application Quality
4. Detects more defects
5. Reduces time to market by enabling faster testing
6. No test automation experience required

All of us have heard it quite often - Testing can only show the existence of defects and never their absence, and that exhaustive testing quickly becomes impossible even in small systems.

Thorough testing & time saving are key buzz words for any test team. But, how do you achieve both? How do you pack more coverage into fewer tests?
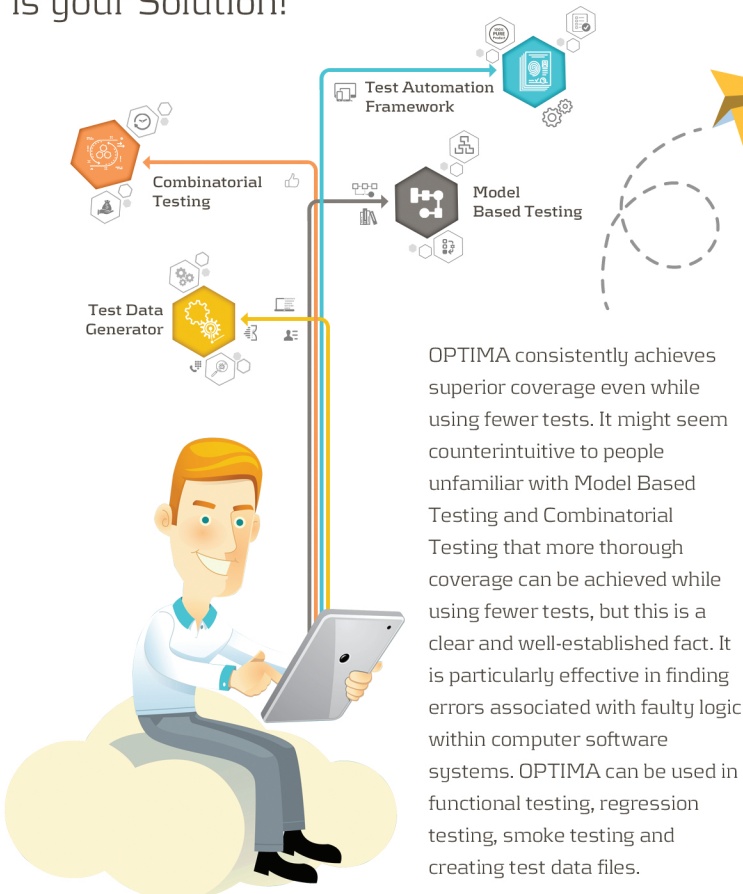
Teams that carefully analyze the actual coverage achieved by their existing tests usually discover far more potentially serious coverage gaps than they anticipated.

Being intelligent about which test cases you choose can make all the difference between (a) endlessly executing tests that just aren't likely to find bugs and don't increase your confidence in the system and

(b) executing a concise, well-defined set of tests that are likely to uncover most (if not all) of the bugs and that give you a great deal more comfort in the quality of your software.

What if you are able to additionally generate automation scripts and execute your tests with no test automation experience required?

OPTIMA
is your Solution!

OPTIMA's Model Based Testing uses UI elements, Possible Values, Application Flow and Business Rules to construct a Model of the System Under Test. OPTIMA uses an efficient automated Combinatorial Testing algorithm on the SUT Model to generate Optimized Test Cases.

OPTIMA consistently achieves superior coverage even while using fewer tests. It might seem counterintuitive to people unfamiliar with Model Based Testing and Combinatorial Testing that more thorough coverage can be achieved while using fewer tests, but this is a clear and well-established fact. It is particularly effective in finding errors associated with faulty logic within computer software systems. OPTIMA can be used in functional testing, regression testing, smoke testing and creating test data files.

Achieve more coverage with fewer test cases compared to Traditional testing
OPTIMA's algorithms optimize test sets with a goal of increased coverage, thus enabling efficient and effective testing.

Technology independent Test design
OPTIMA is independent of the technology stack used in the Software under test.

Minimizes repetitive testing
OPTIMA has a powerful test generation algorithm that systematically eliminates wasteful repetition from every test scenario. If a given combination of test condition has already appeared in a test case, other combinations of values will be found by the test algorithm and used instead of repeating the existing combination. OPTIMA's blazingly-fast optimization algorithm sifts through thousands of value combinations to achieve this goal. With wasteful repetition eliminated, you now require fewer tests to achieve comprehensive testing.

Easy Test Automation
OPTIMA can generate automation scripts and execute them – end to end testing solution within a single environment. Users of OPTIMA do not require prior automation experience.

Interested in a DEMO. Please contact us

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