



Driving high performance and
cost effective solutions

Test Execution and Modelling Platform (TEMP) Benefits

Software Testing Platform

Albia® TEMP



Introduction

Test Execution and Modelling Platform (TEMP) is a new technology developed by Albia®. TEMP allows business users and developers to create test cases without writing a line of code or script, model test case using GUI tools, then schedule, execute, monitor, alert, and acquire results. TEMP is a concept that allows multiple types and levels of executing testing for any enterprise system using one platform. It allows creating test cases within minutes, then carry out any maintenance within seconds. TEMP is a platform that can fully automate 95% of testing activities. TEMP saves enormous amount of development and maintenance time, bringing huge Return on Investment (ROI) to any organization implementing it.

Comparison of Traditional Testing Methods and TEMP

Traditional Testing Methods

There are many testing tools on the market. Some of them offer an extensive range of features. Some cost more, some are open source. Many tools have been around for many years. However most of those tools have common disadvantages:

- Everything is done through scripting, which requires proficiency of implementation specific technology
- Test cases developed using scripts usually contain hundreds/thousands commands and statements for each function, making it hard to interpret and maintain
- Usually the system under test must be fully developed before a testing can begin
- Each type of testing requires a separate tool
- Requires proficiency in the tool's Scripting Language
- Testers must maintain different data for each test case, re-entering it to different files
- Testers are more focused on developing the technical side of testing, rather than detecting bugs and errors in the actual system
- No monitoring is available that can alert stakeholders if something goes wrong
- No common platform available for running different types and levels of testing
- Vendors sell testing tools separately – for instance the same vendor can offer one tool for running functionality testing, and another tool for performance testing, resulting in customers having to spend more money

TEMP Characteristics

TEMP brings a complete platform where technical and non-technical users can create and execute tests. All processes have been optimized and automated, so that minimum human involvement is required for testing enterprise systems.

With TEMP you can simply plan, design, configure, run, acquire, measure, and evaluate without involving big testing team. Any activity that a tester needs to perform can be also done by a business analyst with TEMP. This is due to the fact that no programming or writing scripts is required for creating and executing complex enterprise system testing activities.

ZERO Coding

TEMP is resolving most of the traditional testing platforms problems. It aims at allowing test cases to be generated without any scripting or programming, so that not only technical testers, but business analysts can leverage from creating test cases.



5 Types of Testing in ONE Platform

TEMP is designed to allow up to 5 types of different testing to be carried out on the same platform:

- ✓ User Interface Testing
- ✓ Functional Testing
- ✓ Load & Stress Testing

- ✓ System Testing
- ✓ Integration Testing

This allows for testing activities to be smoothly executed, providing an extensive and creative environment for designing and running test cases.



Accelerate Testing

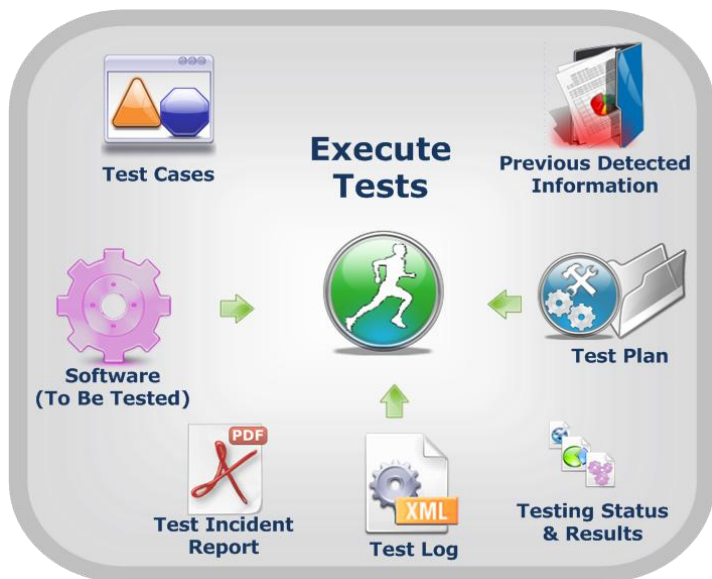
Testing process is accelerated, so that it takes minutes to write any complex test case, and then it takes seconds to perform any maintenance.

Cut the Costs

With TEMP you would be able to perform extensive testing with minimum budget. This is achieved with maximum automation of tedious tester's activities, making it easy to carry out any testing project.

ROI

TEMP consists of innovations that will bring huge savings for any organization performing tests of enterprise systems. On average it takes at least 30% of time and effort to test any software development project. This can be cut up to 90% when using TEMP.



Complete Automation

Test cases for 5 levels of tests can be automated and scheduled, making your testing project well structured and easy managed. Using TEMP human effort is only used for design; the rest is carried out by TEMP.

Conclusion

TEMP consists of innovations that will bring huge savings for any organization performing tests of enterprise systems.

TEMP architecture allows creating and executing test cases without having to write a single line of code or script. This is achieved by GUI tools and communication between architectural layers, mainly done through XML. This means any test case created using GUI tools can be immediately executed by the test execution engine.

Real-time monitoring is achieved by internal layers that provide run-time statistics gathering, so that end users can visually see what is happening with their test case during the execution.

Since all TEMP architecture blocks are fully independent yet integrated, it allows utilizing all parts of the system for enterprise system testing, and extending the architecture in case system under test has un-supported requirements.

In case it is required to perform extra activities not supported by TEMP, it is possible to add new layers into existing solution. For instance if it is required to provide run-time statistics to an external system via SOAP, it is possible to extend Run-time and Data layers to enable new functionality. TEMP architecture allows scalability when adding new features and blocks. Another example would be if the system under test has unsupported interfaces (e.g. legacy applications), TEMP can allow new adapters to be quickly integrated into the main design.

One other benefit of TEMP architecture is the ability to focus on one part at the time. For instance, if a tester is creating a test case, then Design architectural layer provides all the tools and functionalities the tester needs for activities. Some layers can even run separately from the rest of the solution, which enables for instance running Scheduler in the background without consuming system resources.

Test Execution and Modelling Platform (TEMP)



24x7 Helpdesk

Albia® provides 24x7 Online Support, which includes assistance, access to our technical resources, help on all levels, and technical guide for all your queries.

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- ✓ Online assistance
- ✓ Dedicated technical engineers
- ✓ Professional Services support

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Albia® provides industrial certification for Testadon that will help you to demonstrate your competency, dedication, and high standard of knowledge within software testing and Testadon.

- ✓ Testadon Associate
- ✓ Testadon Architect

Albia® conducts regular training courses, as well as on demand trainings at customer site.

Professional Services

Albia® Professional Services main mission is to ensure customer success, which is why we leverage business integration expertise to help our customers and partners become more self-sufficient in achieving, sustaining, and growing business results using Albia® solutions.

About Albia®

Albia® provides a broad range of business and technology services that deliver real business results.

Being an independent software vendor and IT services provider, we deliver innovative software platforms and integrated enterprise systems. By establishing long term partnerships, we work towards the success of our clients in Europe and the Middle East.

With headquarters in Sarajevo (Bosnia and Herzegovina) we cover many private and public sectors by bringing agile solutions delivered by top consultants with specially designed methodology. Our proven technologies and solutions help our customers to grow, be competitive, and get to the next level faster!

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