



Testadon Feature List

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Introduction

Testadon is pioneering testing platform software developed by Albia® which incorporates User Interface, Functional, Load & Stress, System, and Integration testing and simulation for web enterprise systems. It is based on Test Execution and Modelling Platform (TEMP) - an innovative concept for a test platform researched and developed by Albia®. Testadon allows business users and developers to create test cases without writing a single line of code or script, and then to model test cases using GUI tools. This means that new test cases can be created within minutes, and existing test cases can be modified within seconds. Testadon allows real-time monitoring. It includes automated report generation, and it allows running unbeaten test cases for any web enterprise system. Testadon saves enormous amount of development and maintenance time, and has a great ROI. Testadon provides tools and features for effective Continuous Integration and Test Driven Methodology.

Albia® Testadon



General

- ✓ Test any web enterprise platform (regardless of technology: e.g. Apache, JEE, PHP, ASP, etc).
- ✓ ZERO programming or scripting required
 - All test cases can be created using GUI Web Browser test case recording
- ✓ 5 types of tests:
 1. User Interface Testing
 2. Functional Testing
 3. Load & Stress Testing
 4. System Testing
 5. Integration Testing

Run Functional, UI, System, and Integration Test Cases

- ✓ Test case model graph with visual run-time animation of pages executed & tested
- ✓ Result statistics
- ✓ Graphs (pie, bar, etc)
- ✓ Real-time meter & dashboard monitoring
- ✓ 5 validation levels supported
 1. Information

2. Warning
3. Critical
4. Stop
5. Terminate

Run Load & Stress Test Cases

- ✓ Unlimited number of virtual users
- ✓ Model graph - visual animation of pages executed & tested
- ✓ Result statistics
- ✓ Graphs (pie, bar, etc)
- ✓ Real-time meter & dashboard monitoring
- ✓ Ability to run different load/stress test cases simultaneously

Web Browser

- ✓ Record test case in built-in web browser
- ✓ Ability to set validation condition for absent/present web page elements

Modeller

- ✓ Drag-and-drop blocks and web pages for designing test cases
- ✓ Decision with conditional statements: IF, ELSE, ELSE IF,
- ✓ Decision with loops statements: Repeat Until, Repeat While, Repeat For
- ✓ External system adapters: HTTP, SQL, SMTP, FTP, File Server
- ✓ Assignment to define computations
- ✓ Repeat and End Repeat to apply rule parts multiple times
- ✓ Return to skip or terminate test case
- ✓ Generate Reports
- ✓ Graphical display and editing of flow rules and decision tables with drag-and-drop
- ✓ Hover palette for quick insertion of test case models elements
- ✓ In-place editing of test case models blocks
- ✓ Live syntax check and errors highlighting
- ✓ Automatic validation and consistency checks
- ✓ Dynamic layout and zoom
- ✓ Undo/redo of changes
- ✓ Automatic generation of test case models
- ✓ Traverse of decision trees
- ✓ Export of test case models as PNG, JPG, TIFF, and BMP

Adapters

- ✓ Built-in adapters for communication with external systems:
 - HTTP & HTTPS
 - SQL
 - FTP
 - SMTP
 - File server
- ✓ Ability to integrate custom adapters
- ✓ Support for custom adapters development

Web Page

- ✓ Validation rules for web page elements
- ✓ Download images
- ✓ Check for dead links
- ✓ Check image sizes
- ✓ HTTP parameters
 - modify, add new, set GET/POST parameters and form fields
 - set input from dictionary, custom file, generate random or invalid, etc

Database

- ✓ Direct access to RDBMS from rules
- ✓ Support for DB2, MS SQL, MySQL, ODBC, Oracle, Postgre, SAP
- ✓ Auto-generate SQL
- ✓ Insert manual SQL
- ✓ Import of data types from relational databases
- ✓ Definition and management of JDBC and ODBC connections
- ✓ Access to data with SQL SELECT action
- ✓ Change of data with SQL INSERT, UPDATE and DELETE actions
- ✓ Support for stored procedures and stored functions
- ✓ Creation and deletion of database elements

FTP

- ✓ Connection
- ✓ Download/upload files
- ✓ Check file exists
- ✓ Check file not empty
- ✓ Search text
- ✓ Match regular expression
- ✓ Write to remote file

SMTP

- ✓ Send e-mail to recipients
- ✓ Attach generated test case reports
- ✓ Attach files
- ✓ Send automated alerts

File Server

- ✓ Create/delete files
- ✓ Check file exists
- ✓ Check file not empty
- ✓ Search text
- ✓ Match regular expression
- ✓ Write message to file

Log

- ✓ Customized error messages
- ✓ Ability to write message to log files

Configure Functional Test Case

- ✓ PDF, HTML, RTF
- ✓ Replace hosts and URLs

Configure Load & Stress Test Case

- ✓ HTTP parameters:
 - add/create
 - GET/POST
 - set input from dictionary, custom file, generate random or invalid, etc
- ✓ Set load type:
 - Constant load
 - Ramp-Up Load
 - Periodic Load
 - Random Load
- ✓ Set user think time
- ✓ Load images
- ✓ Execution time
- ✓ Change/replace hosts and URLs

Scheduler

- ✓ Schedule test case
- ✓ View all previously executed test cases
- ✓ View currently executed
- ✓ Set filter (all, failed, passed, in progress)
- ✓ View final test case report

Report & Statistics Generators

- ✓ Page preview
- ✓ Edit Cover, Contact Details, and Introduction pages
- ✓ Display all test cases and all their report settings
- ✓ View previously generated reports
- ✓ Editor for FTP and SMTP connection parameters
- ✓ Display all test cases and View all previous reports
- ✓ Automated report generation for each test case
- ✓ Charts generation (pie, bar, etc)
- ✓ Automated report generation, explaining test case results with visual diagrams, charts, and detailed statistics
- ✓ Ability to create reports for each test in HTML, PDF, and RTF formats
- ✓ Ability to e-mail reports or sent to FTP

- ✓ Ability to view statistics including charts for each test

Execution Engine

- ✓ Built-in rules engine
- ✓ Ability to insert input:
 - Stored
 - Random
 - Random from the built-in dictionary or custom file
 - From a dictionary file
 - From user text file
- ✓ Detection of dead links and missing images on web pages.
- ✓ Functional tests have ability to check for presence or absence of certain parts of a web page (e.g. images, text, html elements, etc)
- ✓ Rules are immediately executable from within the modelling environment
- ✓ Execution statistics and protocols (request or session level)
- ✓ Graphical display of execution statistics including execution paths
- ✓ Additional execution via API for individual processing
- ✓ Integrated test editor to define test cases and rules
- ✓ Editors for test data and expected results
- ✓ Configuration and execution of tests
- ✓ Graphical display of test results and deviations from the expected results

Rules Engine

- ✓ Insert rules inside of a test case
- ✓ Decision with conditional statements: IF, ELSE, ELSE IF,
- ✓ Decision with loops statements: Repeat Until, Repeat While, Repeat For
- ✓ Repeat and End Repeat to apply rule parts multiple times
- ✓ Return to skip or terminate test case
- ✓ Traverse of decision trees

Validation Engine

- ✓ Technical directive for accuracy and adequacy
- ✓ 5 validation levels supported
 1. Information
 2. Warning
 3. Critical
 4. Stop
 5. Terminate
- ✓ Validate any parts of the HTTP response
- ✓ Apply rules to any part of web tree
- ✓ Customized error messages

Real-time Monitoring & Dash Boards

- ✓ Visualization of important run-time information

- ✓ Consolidation, aggregation, and arrangement of measurements and metrics
- ✓ Detailed view of run-time statistics
- ✓ Unified display for all types of tests with graphs, tables, and meters

Alerts

- ✓ Customized Error Messages
- ✓ Send automated alerts at any point of test case execution to
 - SMTP
 - FTP
 - Local files

Input Engine

- ✓ Ability to insert input:
 - Stored
 - Random
 - Random from the built-in dictionary or custom file
 - From a dictionary file
 - From user text file
- ✓ Generate generic input types (e.g. valid/invalid email address)

Registry/Repository

- ✓ Saving and retrieving:
 - Test case data
 - Run-time data
 - Statistics
 - Scheduling information
 - Reports
 - Auto-generated images of test case model snapshots

Statistics Engine

- ✓ Collection, analysis, interpretation, and presentation of real-time data
- ✓ Numerical information in the form of tables, graphs, and charts
- ✓ Descriptive statistics and measures taken during test case execution

Charts Modelling Engine

- ✓ Auto generation of pie and bar charts
- ✓ Converting charts to images
- ✓ Auto inserting charts to test case reports

Results Analysis

- ✓ Analysis of test case run-time acquired data
- ✓ Statistics calculation
- ✓ Calculation of success and failure metrics
- ✓ Percentage calculation for user defined rules

Custom Adapters

- ✓ Ability to integrate custom functions
- ✓ Ability to integrate custom actions
- ✓ Ability to integrate custom user interfaces into the Modeller for custom actions and functions
- ✓ Ability to integrate custom services
- ✓ Ability to integrate custom adapters for external systems

Online Help and Documentation

- ✓ 24x7 support
- ✓ User assistance, online help and documentation available in multiple languages
- ✓ Tutorial and sample test cases included
- ✓ Support for requests and bug reports



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.

- ✓ 24x7 Support
- ✓ Online assistance
- ✓ Dedicated technical engineers
- ✓ Professional Services support

Get in touch with our help desk today by logging at www.albia.biz

Training & Certification

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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ALBIA d.o.o.
Azize Šaćirbegović bb.
Sarajevo, 71000
Bosnia and Herzegovina
info@albia.biz
Tel: +387 33 664 577
www.albia.biz

