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Total Testware™ Platform

1. Platform

1.1 Platform Overview

HERO

Bring intelligence, consistency and control to enterprise test automation.

Deloitte TotalTestware is an intelligent test automation platform designed to help organizations simplify testing across complex enterprise technology landscapes. It brings together test design, automation, execution and insights in a connected approach—helping teams improve test efficiency, increase reuse and strengthen quality across the software delivery lifecycle.

Primary CTA: Request a Demo | Secondary CTA: Explore Platform Capabilities

The challenge: Testing needs to keep pace with enterprise change

As enterprise applications evolve, testing becomes more complex. Teams must validate frequent releases, manage interconnected systems and maintain automation across diverse technologies—all while working within demanding delivery timelines.

Fragmented testing processes — Bring key testing activities into a more connected approach.

Repetitive test design — Reduce repeated manual effort through reusable testing assets and intelligent approaches to test creation.

Automation maintenance — Support more manageable automation as applications and business processes change.

Complex enterprise ecosystems — Address testing needs across different application types and technology environments.

Limited execution visibility — Help teams gain clearer insight into test progress and outcomes.

One connected approach to the testing lifecycle

Test Design — Create and organise test scenarios based on business requirements and testing needs.

Automation Development — Develop automation assets that can be structured and reused across relevant testing scenarios.

Intelligent Automation — Apply intelligent capabilities to support test creation, automation and maintenance activities.

Test Execution — Execute automated tests to validate application functionality and business processes.

Reporting & Insights — Review execution outcomes and use test information to support quality assessment and decision-making.

Platform capabilities

Simplified test automation — Support automation development through a low-code/no-code-oriented approach.

Reusable automation assets — Build and reuse automation components across applicable test scenarios.

Intelligent test design — Use AI-enabled approaches to support the creation and refinement of test scenarios.

Test data support — Support test data preparation and management as part of the automation process.

Flexible test execution — Support execution across relevant testing environments and delivery workflows.

Reporting and execution visibility — Make test outcomes and execution information available to help teams understand progress.

Designed for enterprise technology environments

TotalTestware is positioned to support testing across web applications, mobile applications, APIs and middleware, enterprise applications and ERP platforms, desktop applications, data and database systems, and cross-platform business processes.

Primary CTA: Explore Solutions

Intelligent automation, built into the platform story

AI-focused capabilities include GenAI-powered test design, agentic AI and autonomous automation, AI-driven computer vision, self-healing automation, intelligent test coverage and AI-powered test data generation.

Primary CTA: Explore AI & Intelligent Automation

Connect with your delivery ecosystem

Explore the integration proposition across enterprise applications, automation technologies, CI/CD and DevOps environments, and test management and ALM tools.

Primary CTA: Explore Integrations

The value of a connected platform

- Reduce repetitive effort across test design and automation activities.
- Increase reuse and consistency of automation assets.
- Support testing across complex enterprise application landscapes.
- Improve visibility into test execution and outcomes.
- Strengthen the ability to adapt automation as technology environments evolve.

Closing CTA

Ready to rethink enterprise test automation?

Discover how Deloitte TotalTestware can support your quality engineering journey—from test design and automation to execution and insights.

Primary CTA: Request a Demo | **Secondary CTA: Contact Us**

1.2 How TotalTestware Works

HERO

From test requirements to meaningful quality insights.

Deloitte TotalTestware brings together the key stages of the test automation lifecycle—from designing test scenarios and developing automation to executing tests and reviewing results.

Primary CTA: Request a Demo | Secondary CTA: Explore the Platform

The end-to-end workflow

Stage 1 — Test Design — Establish the test scenarios required to validate business processes, application functionality and expected outcomes. Key activity: define and organise test scenarios.

Stage 2 — Automation Development — Develop automation assets based on identified test scenarios. Structure and organise these assets to support reuse and consistency. Key activity: build and organise reusable automation assets.

Stage 3 — Intelligent Automation — Apply relevant intelligent capabilities to support test design, automation and maintenance activities. Key activity: apply intelligent capabilities to relevant automation activities.

Stage 4 — Test Execution — Execute automation to assess application functionality and business processes. Key activity: execute automated tests and capture outcomes.

Stage 5 — Reporting & Insights — Review execution results and reporting information to understand progress, identify issues and support quality-related decisions. Key activity: review results and gain visibility into testing outcomes.

How the stages work together

- Test Design establishes what needs to be validated.
- Automation Development converts test scenarios into automation assets.
- Intelligent Automation brings intelligent support into relevant activities.
- Test Execution runs the automation against the applications under test.
- Reporting & Insights provides visibility into the outcomes.

Built to support different testing needs

The lifecycle can support web, mobile, API and middleware, enterprise and ERP, desktop, and data and database testing needs, depending on the relevant solution scope.

Primary CTA: Explore Solutions

Where AI adds intelligence

AI can contribute to test design, automation, visual validation, maintenance, coverage and test data activities. Specific capability availability and product behaviour must be confirmed.

Primary CTA: Explore AI & Intelligent Automation

Closing CTA

Make your test automation journey more connected.

See how Deloitte TotalTestware can help bring test design, automation, execution and insights together in support of your quality engineering objectives.

Primary CTA: Request a Demo | Secondary CTA: Contact Us

1.3 Platform Architecture

HERO

An architecture designed to connect enterprise test automation.

Deloitte TotalTestware brings together the capabilities required to support test design, automation development, intelligent automation, execution and reporting. Its platform approach is intended to help teams organise automation activities and support testing across diverse enterprise application environments.

A connected platform architecture

The following are proposed logical content layers for the website explanation. The final architecture diagram and component names must be confirmed against the product's actual technical architecture.

Test Design Layer — Establish and organise test scenarios based on business requirements and testing objectives.

Automation Layer — Develop, structure and manage automation assets to support test execution and reuse.

Intelligence Layer — Bring AI-enabled and intelligent capabilities into relevant test design, automation and maintenance activities.

Execution Layer — Support the execution of automated tests across applicable application environments.

Insights Layer — Provide visibility into test execution outcomes and reporting information.

Designed to work across enterprise environments

TotalTestware is positioned to support automation across web, mobile, API, enterprise, desktop and data-related testing scenarios.

Architecture principles

- Connected lifecycle — bring key automation activities together.
- Reuse and consistency — support the organisation and reuse of automation assets.
- Intelligent capabilities — incorporate AI-enabled approaches into relevant testing activities.
- Enterprise applicability — address testing needs across different application categories.
- Execution visibility — help teams understand automation outcomes.

Closing CTA

Build a more connected approach to enterprise test automation.

Explore how TotalTestware can support your quality engineering objectives.

Primary CTA: Request a Demo

1.4 Core Platform Capabilities

HERO

The capabilities to scale test automation with confidence.

From test design and automation development to execution and reporting, Deloitte TotalTestware brings together capabilities intended to help teams simplify and scale their testing activities.

Low-Code/No-Code Test Automation — Support automation development through a low-code/no-code-oriented approach, helping make automation more accessible to a broader range of testing practitioners.

Test Design and Management — Organise test scenarios around business requirements, application functionality and testing objectives.

Reusable Automation Assets — Structure automation assets to support reuse across relevant test scenarios and help reduce duplication.

Intelligent Automation — Explore AI-enabled approaches to support test design, automation, visual validation, maintenance, coverage and test data activities.

Test Data Support — Support test data preparation and management in line with confirmed product functionality.

Test Execution — Support the execution of automated tests as part of application validation and quality engineering activities.

Reporting and Insights — Use execution information and reporting to understand testing progress, review outcomes and identify areas requiring attention.

Enterprise Technology Coverage — Address testing needs across web, mobile, API, enterprise, desktop and data-related application environments, subject to confirmed compatibility.

Closing CTA

Discover how these capabilities work together.

See TotalTestware in action.

Primary CTA: Request a Demo

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