



Cognizant ADPART

Business Process Assurance with
Test Design Automation

With the advent of Digital, organizations are faced with the dual mandate of balancing faster time-to-market with reduced cost of quality. In a study conducted by Forrester Research, 78% business leaders consider speed and quality as the key to project success¹.

ADPART (Activity Diagram-based Path Analysis and Regression Testing) is Cognizant's patented model-based test design tool that interlinks business process with testing. It replaces the maze of written manuscripts, used to document business processes and requirements with activity diagrams.

Cognizant ADPART, an end-to-end test design automation tool that enables businesses to experience faster release cycles with impeccable quality

The in-built algorithm helps software testers identify the most recent changes made through iterative application modeling, as well as track other system components that are affected by any customization. ADPART's Reverse Engineering feature allows testers to instantly create models from existing test cases, enabling a seamless user experience.

¹ Quality@Speed is The Key to Digital Success - A Cognizant commissioned study conducted by Forrester Research

Why Your Business Needs Cognizant ADPART

▶ 3-TIMES ACCELERATED RELEASE CYCLES

ADPART's change management module lets business analysts introduce new features with just a click of a button.

▶ ROBUST DIGITAL FOOTPRINT

ADPART sifts through a multitude of test cases to create modules that bring in orderliness in projects with obscured requirements.

▶ ASSURES QUALITY

ADPART's seamless integration with business process flows and use cases ensures 100% quality coverage across the application life cycle.

▶ QA COST REDUCTION

ADPART highlights defects much early in the lifecycle and its ability to generate automated test scripts from process flows drastically reduces cost of quality by over 10%.

ADPART FEATURES

Automated Test Case Generation
Automated Test Case prioritization & optimization
Automated impact analysis
Seamless integration with various test management tools

IMPLEMENTATION PROCESS

E2E Application data flow Activity Diagram creation
Automated Test Case generation
Update test data in the test cases
Impact analysis & automatic test coverage

Case Study

A leading U.S. apparel retailer was bracing up for critical releases without compromising on quality. This required validating more than 7,000 test cases in a short time span.

How ADPART helped

- Instant identification of the most optimal path to test all scenarios at least once.

- Identify high defect/risk modules with just a click.
- Perform impact/regression analysis for quality coverage.

Benefits:

- The overall test cycle time was reduced by 30%.
- The entire test suite was optimized by 28%.
- The product landscape was digitally integrated across upstream/downstream systems.

For more information on how you can benefit from ADPART reach us at: ADPARThelpdesk@cognizant.com

About Cognizant

Cognizant (NASDAQ-100: CTSH) is one of the world's leading professional services companies, transforming clients' business, operating and technology models for the digital era. Our unique industry-based, consultative approach helps clients envision, build and run more innovative and efficient businesses. Headquartered in the U.S., Cognizant is ranked 230 on the Fortune 500 and is consistently listed among the most admired companies in the world. Learn how Cognizant helps clients lead with digital at www.cognizant.com or follow us @Cognizant.



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