



Why Test?

an eBook by



WHY IS SOFTWARE TESTING IMPORTANT?

WHY INVEST IN TESTING?

- Reduced cost of quality
- Reduce high cost of defects
- Improve quality of delivered products and services
- Avoid production disruptions/defects found in production
- Free up business/project team's bandwidth for other vital project work
- Standardized testing documentation
- Controlled resource attrition
- Improved knowledge retention
- Centralized knowledge repository/script library
- Easier maintenance
- Improved process compliance, standards, and SOX compliance
- Better collaboration



COMMON MISCONCEPTIONS

TESTING IS TOO EXPENSIVE

Organizations end up paying more for software correction due to improper testing, resulting in flawed designs.

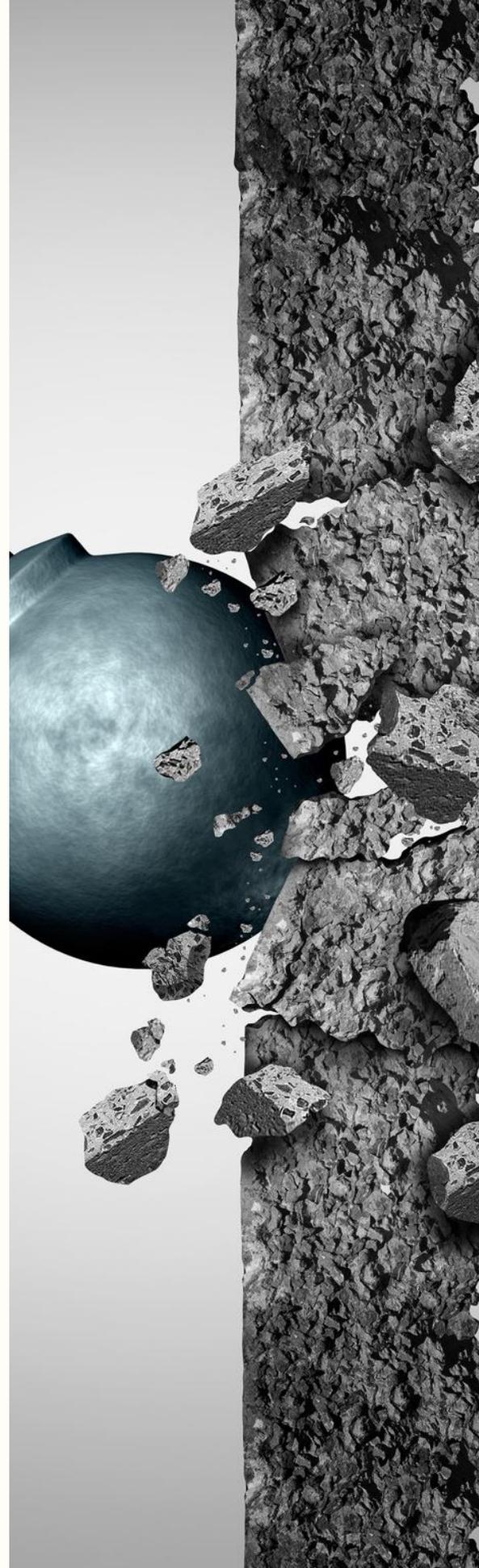
Early testing saves time and money.

TESTING IS TIME CONSUMING

Diagnosing and fixing errors can be extremely productive. Finding and correcting errors early on during the software development lifecycle actually contributes to a faster speed to market.

TESTING IS UNNECESSARY

Testing plays a key role in the success of any software project. It is part of every implementation and/or upgrade and is needed whenever a change occurs in a software to avoid any production disruptions after go-live.



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TESTING ENSURES:

- Software functionality
- Software availability
- Software accessibility
- Software compatibility
- Software quality





RECOMMENDATIONS

- **Leverage Automation and Testing as a Service (TaaS) to:**
 - Execute faster testing
 - Increase depth and breadth of testing
 - Reduce number of defects passed to production
 - Reduce human error
 - Save cost through reduced dependency on business subject matter experts
- **Better visibility and project communication through use of metrics, KPI's, reporting/dashboards, and Entrance/Exit criteria**
 - Subjective approach to project status through use of “facts”
 - Take emotion out of decisions
- **Avoid service disruptions by performing end-to-end testing with automation during non-business hours**
- **Lessen burden of business analysts by outsourcing testing activities, centralizing knowledge library, and maintaining and enhancing repository**
- **Avoid improper standards and inconsistent test scripts that can lead to compliance violations and defects by maintaining documentation during off-peak load, centralizing up-to date knowledge repository, and following best practices.**

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IT CONVERGENCE

IT Convergence's testing team is experienced in tool selection, building test frameworks, and developing test assets while providing analysis, reporting, and maintenance. Our expertise spans tool installation, configuration, implementation, and rollout.

Our testing consultants are HPE, Oracle, and ISTQB certified testers and Certified SCRUM Masters with more than 25 years of combined experience.

Need Help?

In order to create a robust and efficient testing framework that ensures quality and performance, we recommend starting by identifying the challenges, business needs, and opportunities of improvement.

Here at IT Convergence, our experts have developed an in-house QA Health-check that will provide a comprehensive evaluation of your organization's current testing needs, methodologies, tooling and recommendations for automation and maximizing ROI.



REQUEST A QA HEALTH-CHECK

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