

Acutest – Non-Functional Testing

Acutest is a specialist IT consultancy concentrating solely on the Quality Assurance (QA) and testing of IT platforms, software, business process. The company offers comprehensive testing services, ranging from straightforward test analysis to complete QA and test transformation, utilising its proven Principles based approach to testing.

Regardless of the type of testing being undertaken this Principles-based approach is adopted for all tasks, resulting in significantly better practices and outcomes than traditional testing methods.

Our non-functional testing service concentrates on the performance, security, regulatory compliance and reliability of the system under test.

Non- Functional testing focuses on finding faults in the behaviour of the system under test providing confidence in the applications performance before deployment with objective data to support a go / no-go decision.

Service Definition Details

Understanding how your product, system, or service will function before it reaches customers is essential. Considerations such as scalability under high user loads, security, reliability, usability for the target audience, ease of management, and compliance with relevant regulations must all be addressed. These considerations are typically referred to as non-functional requirements, which can often be complex, inadequately defined, or deferred until late in the process—potentially resulting in costly and damaging business issues.

Our approach integrates technical, testing, and business expertise to prioritise business value and enable informed decision-making at the appropriate stages. Drawing from extensive experience across thousands of projects in diverse industries and technologies, our comprehensive catalogue of non-functional requirements serves as a tool to enhance, refine, and identify any gaps in your processes. This ensures that testing delivers maximum value and significantly reduces the risk of critical issues arising in live environments.

Acutest's Non-Functional testing services cover all aspects of Non-Functional testing and includes:

- Backup and Recovery Testing
- Benchmarking
- Business Process Testing
- Compatibility Testing
- Concurrency Testing
- Configuration Testing
- Contingency Testing
- Conversion Testing
- Destructive Testing
- Fallback Testing

- Installation Testing
- Load Testing
- Maintainability Testing
- Operational Testing
- Performance Testing
- Portability Testing
- Process Testing
- Recovery Testing
- Regulatory Requirements Testing
- Reliability Testing
- Scalability Testing
- Security Testing
- Stress Testing
- Technical Requirements Testing
- Usability Testing
- Volume Testing

If you want to deploy applications quickly and confidently then Performance Testing is essential for all but the most trivial applications.

Waiting to see if performance problems surface in the live environment is very risky. It will cost more to fix problems at that stage and could seriously diminish business performance and harm your reputation.

Our Performance Testing services will address these risks by testing under simulated, realistic user load conditions and common project constraints. The focus of this service is:

- To provide confidence in the applications performance before deployment with objective data to support a go / no-go decision (for example end user response times).
- To determine the scalability of the application and the capacity levels that the application can achieve (for example number of users that can be supported, limits of infrastructure).
- To identify performance issues and bottlenecks and their causes. Where needed, provide detailed evidence that will speed up the resolution of problems.
- To establish performance baseline for service measurement, provide critical information prior to launch to optimise infrastructure and support successful service operation management (for example failure behaviour beyond performance boundaries).
- To monitor critical indicators so that you are quickly aware of any changes to your expected levels of performance.

Load Testing is a complex discipline that requires a combination of business, testing and technical skills with tight control of the many project variables to enable a successful outcome. Acutest use proven methods to achieve an accurate picture of the scalability of the system under tests to support project launch decisions. At Acutest we have specialist Load Testing services that can be

tailored to the client's needs and are often a combination of different services but with the same principles.

Further, Acutest has extensive experience with a wide range of tools and solutions and are partners with a number of testing tool vendors. Our consultants have product certification with these companies and our partnerships allow us to gain fast track support and keep up to date with latest developments.

Top Features

- The Acutest Accelerator – a tried and tested repository of collateral ready for fast deployment.
- A principles-and-practices-based approach, in which core principles guide the identification and application of the most effective practices.
- Our 3 key Principles are:
 - Begin with the big risks - focus on what matters most.
 - Fail Fast - find defects as soon as possible after they are introduced.
 - See through the users' eyes - going beyond the formal specification to identify all things that really matter to the user.
- Whenever feasible, we provide a public domain version of our tools at the conclusion of the assignment so that our customer can continue building on what we've begun.
- We have already delivered this service to numerous organisations of varying size.

Business Benefits

- Reduced cost of testing.
- Increased speed of change through our unique principle based testing approach.
- Improved governance of change through better business alignment of the testing and management reporting.
- Go live faster with confidence.
- An approach that focuses on areas that matter most - enabling project teams to move quickly irrespective of methodology and technology.

Onboarding and offboarding support you provide

Our ability to facilitate knowledge transfer, on-boarding and off boarding is of vital importance to us in delivering efficiencies across client projects.

Acutest possesses extensive experience in deploying and managing resources at various levels and scales, spanning multiple programmes and projects. Leveraging this expertise, along with our comprehensive onboarding and knowledge transfer processes, we efficiently deliver the appropriate resources to our clients in a timely and effective manner.

Through our approach to testing, coupled with our proven industry experience and high quality of resource, we can:

- Reduce project overall time and cost through the adoption of our Practices and Principles.

- Offer clients strategic value through collaboration with an experienced, reputable supplier known for its flexibility and ease of doing business.
- Provide a wide range of services and resources that can handle, organise, and deliver complex, results-driven solutions.
- Help develop new ways of working based on best practice and industry standards.
- Shared expertise / innovation from working with similar clients / organisations over the past decades.

Pricing overview, including volume discounts or data extraction costs

Pricing discounts may be available depending on the size and scope of the engagement / projects.

Prices exclude:

- Expenses (Travel and Subsistence)

Service constraints

This service does not have any constraints however, this is subject to buyers/clients' requirements, environment, and technologies.

Service levels like performance, availability and support hours

Our support hours 9 to 5 (UK time), Monday to Friday.

Clients have 9 to 5 access by email and telephone.

How we will repay buyers if we don't meet service levels?

Please refer to our Terms and Conditions.

Ordering and invoicing process

Please refer to our Terms and Conditions.

How buyers or suppliers can terminate a contract?

Please refer to our Terms and Conditions.

Why Trustmarque/Acutest?

- A specialist provider of testing, assurance and governance services, concentrating on testing IT processes and technology centred change.
- Our approach focuses on areas that matter most - enabling project teams to move quickly irrespective of methodology and technology.
- Strong and consistent track record of growth.

- Over 90% of our business comes from existing clients and referrals which is genuine confirmation that the approach enables our clients to derive real value from testing.
- Major cost savings by adopting the Acutest Accelerator Framework, a framework that contains all the tools, techniques and processes to test projects.
- Acutest has a skilled and flexible resource pool with global coverage.
- Our clients go live faster with confidence.
- We have a deep understanding of the market dynamics, the competitiveness, cost challenges as well as customer service needs that our clients face.
- We are a catalyst to programme success.
- A strong organisation and culture.
- We combine our expertise with technology to make processes smarter, organisations more efficient and customer experiences better.
- Highly diversified across private and public sectors