

Misys Operations Support services

## Automated Testing Services

**As financial systems evolve to keep up with and capture market demand, the need to ensure performance and functionality of these systems is not compromised becomes evermore paramount. Very few systems are inapt enough to automatically adjust to all changes effecting their environment and therefore regular monitoring is key.**

### Testing - A critical process

Testing is critical to ensure software functionality is maintained and the software continues to deliver the expected outcome. It ensures functionality is not affected by changes to the application or surrounding applications. For example:

- + After a major upgrade of the application
- + During implementation of new modules
- + After a patch or hot fix is added on to the application
- + Due to changes in surrounding solutions/interfaces

Therefore, constant 'post deployment' testing ensures the software is working normally without any disruption. Typical test scenarios include:

- + Functionality testing/unit testing
- + Online and batch functionality
- + Integration testing
- + API functionality

### Common testing challenges

Reducing time to market and quick turnarounds are key to competitiveness. Some of the common challenges in achieving this are:

- + Lack of documentation and test artifacts
- + Test coverage not known - Extent of testing is unknown and in some cases too many test cases are run
- + Sub optimal resource usage - Resource ramp-up and ramp-down during each release
- + Upstream and Downstream interfaces

To help you address testing challenges Misys has developed the Test Automation Services. The services apply strict engineering disciplines and proven quality assurance methods to the testing process, enabling you to maximise the value of your software.

### Misys Testing Services

Misys partners with HCL to provide a range of test services that can be used by organisations during various stages of their project.

### Key Benefits

Test Automation is absolutely necessary where similar tests are run on a periodic basis, key benefits include:

- + Improved productivity - reduced testing time during each release or patch
- + Reduced costs - 50% - 60% reduction in repeat testing costs and lower resources cost due to automation
- + Improved time to market - 40% - 50% reduction in time
- + Increased test coverage - Full life cycle testing including all customer business events available
- + Reduced human error
- + Better user-acceptance test results with implementation of client-specific business scenarios into automated test suite
- + Reusability of Test scripts in multiple situations
- + Highly configurable test packs and risk based testing made available using Misys Product/Domain Specialists

"HCL through its domain expertise in the capital markets space, and in conjunction with Misys reduced test execution time by 80% for a leading Derivatives house"

"The same institution achieved €100K saving per regression test run"



Testing may consume one-third of package rollout costs, but may reduce short-term and long-term costs by 80% through effective practices



**Manual Functional Testing**

An existing service which is executed as a part of any software project and to ensure that the functionality of the software is working as expected.

**Test Strategy & Development**

An existing service where Misys assists in creating an end to end test strategy around the Misys solution which is aligned to your business objective.

**Automation of Test Scripts**

New service offered by Misys to improve accuracy of testing while shortening the Test execution cycle especially in repeat cycles.

**Managed Service for ETE Testing**

New service where Misys not only creates an automated test framework for a client but also runs the same as a managed service.

### Misys Automated Testing Service

Using our product knowledge, expertise and access to internal Test scripts, we will assist you in automating your test scripts and even running them for you as a managed service. Our process consists of the following steps:

1. Define the test automation strategy for the client
2. Agree on the scope and coverage of Test cases in each cycle
  - + Core/Existing functionality coverage
  - + Cases for New functionality
3. Proof of concept for automation
  - + Ready in most products and some have 100% automated framework
4. Automate Test cases for a client based on automation strategy
  - + Using a combination of Misys Test Scripts and Client requirements
5. Apply Misys automated test scripts in customer environment
  - + Setup QTP/Test environment
  - + Install Misys automated scripts
  - + Modify Misys scripts to match customer data
6. Misys can also
  - + Train customer to set up its own test scripts
  - + Set up additional customer test scenarios

### Misys and partner expertise

The Misys Application Support services leverages expertise from Misys business partner, HCL.

Misys world-class professional services experts have deep insight into your technical strategy and business priorities, as well as comprehensive experience of planning, designing, executing and optimising Misys solutions.

HCL's Target operation model (TOM) leverages HCL's experience in implementing a 'factory model' for shared services across functions such as testing, data management and reporting. Its range of offerings spans Product Engineering, Custom & Package Applications, BPO, IT Infrastructure Services, IT Hardware, Systems Integration, and distribution of ICT products across a wide range of focused industry verticals. The HCL team comprises over 60,000 professionals of diverse nationalities, who operate from 24 countries.

Together Misys and HCL provide our customers with a solid and proven solution.

Define Scope

Gap Analysis

Install QTP

Modify existing Scripts

Build New Scripts for Gaps

Build Test Data

Execute Testing Scripts

Monitor Results

Maintain Scripts

Future Cycles

For more information on how Misys Operations Support services can help you, please visit: [www.misys.com](http://www.misys.com) or contact your Misys Account Manager

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