

Not a Business but a Mission

Innovative software for banking and financial institutions

F R U R I O N TM F O R I S O 8 5 8 3

Frurion™ is Proteros Data System's advanced proprietary testing solution for any ISO 8583 transaction processing system. This complements the testing services already being offered by Proteros and are aimed at financial institutions and payment processors who have the responsibility of ensuring their transaction processing software continues to provide a high level of functionality and availability, even after modifications have been applied to these mission-critical systems.

Frurion™ has been designed to offer an ease-of-use and a flexibility when it comes to software testing, designing test cases, test data and even forthcoming messages structure changes. Built around the latest Microsoft Windows® technology, the aim of the designers has been to increase quality & productivity of the test function in general, whilst at the same time driving down overall costs.

Although one of the last steps in the software development life-cycle, and one that is often overlooked when budgets and timescales are tight, testing has a major role to play in any software development, least of all in financial transaction processing software. Failure to invest in testing and quality assurance from the start of a project will cost your organisation time, money and reputation.

Software testing

Proteros is an independent software testing consultancy that helps clients benefit from their technology investments by ensuring these technologies both function correctly and meet the needs of the business.



Backed by our own in-house software development team, Proteros seeks to help its clients by providing testing

expertise and bespoke testing tools aimed at individual client's needs and vertical markets.

Our aim is to provide testing support at any level our clients require, from component all the way to user acceptance testing. We offer a range of services including:

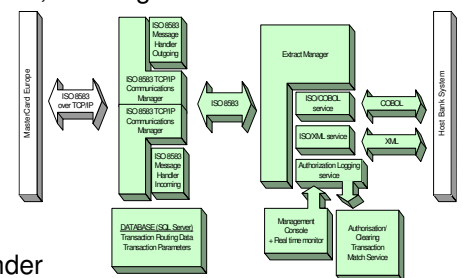
- Test project planning & scoping
- Test Management
- Test Strategy
- Test Plan
- Release Management
- Card Industry knowledge

Driving down Costs

In an attempt to reduce the expenditure and effort of testing any ISO 8583 compliant system, and, hence, reduce the bottom-line costs when it comes to scheme compliance changes, Proteros has designed and developed its Frurion™ proprietary test simulator for ISO 8583 testing to meet these aims.

The integrated graphical user interface allows ISO 8583 message structures to be defined by using drag-and-drop techniques, without the need for software changes to the simulator itself.

Existing or new message structures can be created within minutes, allowing various test scenarios to be simulated and tested against the

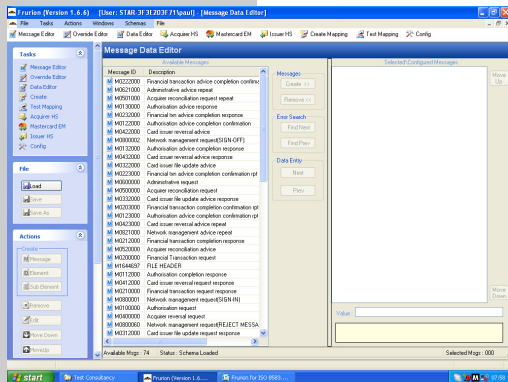


processing platform under change.

Test data created for previous message versions is automatically converted to meet the definitions of the new structures, without the need to construct test data from scratch. This means that regression testing becomes a formality rather than a chore.

PROTEROS DATASYSTEMS

Furthermore, there is no need for users (technical or otherwise) to learn a complicated script language to simulate responses to various test scenarios.



At the heart of the simulator is a fully functional transaction-processing engine, which handles message routing, processing and responses. This is coupled with a fully-featured accounts management system, which allows any tester to prepare and prime test accounts with an easy to use call-centre interface.

The simulator addresses all the testing requirements from component testing through system, user acceptance and pre-certification testing, in one simple and easy to use Windows® environment.

Test data, too, can be created within the same environment or by using Proteros supplied Excel® templates.

In-built message and data element verifiers ensure that test data is created to meet current ISO 8583 message definitions, eliminating time-consuming data defect investigations, which are as a result of poorly constructed data.

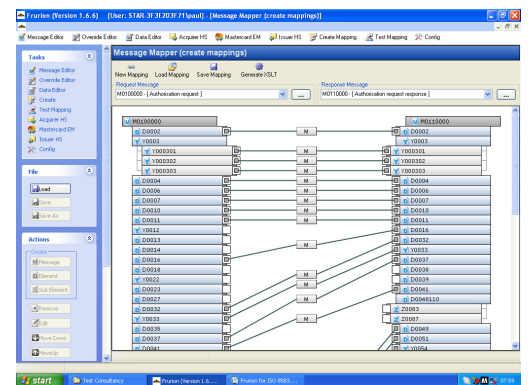
The Furion™ testing simulator places the tester in complete control of the testing function and provides the ability to create and repeat tests, time after time within minutes of using the system.

Proteros is confident it can assist your company in getting the best out of the testing life-cycle. Our test consultants are able to work as an independent test team for a specific project, can advise on strategies or assist existing in-house teams.

Proteros is able to work within our client's own testing methodologies or can bring in its own if required. Our methodology covers:

- Test Strategy
- Test Plan
- Defect Management
- Regression Testing white paper
- Payment Systems Testing

All these documents are available on request.



Proteros Data Systems Ltd (Proteros) is a young and dynamic company seeking to establish itself as a leader in the delivery of innovative software testing solutions for banking and other financial institutions.

Incorporated in 2005, Proteros comprises an experienced team of practitioners with a composite skill set in IT and business disciplines, who have developed banking and card management skills within world-class institutions. The vast experience that the founders bring with them has been distilled to produce a series of well-honed products to meet the financial industry's needs and satisfy their requirements.

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