



Original Software

## OVERVIEW

### Customer

Euronet

### Industry

- Financial Software

### Challenge

- To reduce business risks and improve quality without significant increase in cost
- To address the business need to test more and drain less resources
- To progress from manual testing to automation
- To ensure that test environments conform to industry standards

### Solution

- **Test Data Management for System i**
  - Data Extraction reduces the size of their test environments by 85%
  - Data Scrambling masks sensitive customer data and conforms to industry compliance regulations
  - Data Resetting allows checkpoints and rollback if the environment becomes corrupted
- **Full Test Automation**
  - Regression testing of each new release
  - Automation of green screen, Windows and web-based GUI applications, and thick client systems, as well as the underlying database

### Benefits

- Reduction of business risks
- Process time savings
- Increased scope of test coverage
- Better product to end user, fewer bugs
- Cost of fixing bugs reduced

## Euronet PINs Down its Software Quality



In less than a year, Euronet has improved its quality processes, transforming QA from a function that was very time consuming for staff resources to a highly efficient and streamlined operation. Solutions from Original Software have allowed Euronet to move away from a once annual, very manual, labour intensive process to being able to more fully regression test on each new software release. With wider test coverage, the software releases provide the end user with significantly less business risks and at the same time lower the number and severity of support calls to Euronet.

### Global Financial Transaction Solutions

Euronet Worldwide, Inc. was founded in 1994 to bring ATM transaction convenience to the cash-based Central European community. Today, Euronet is an industry leader in processing secure electronic financial transactions and serves clients in approximately 145 countries.

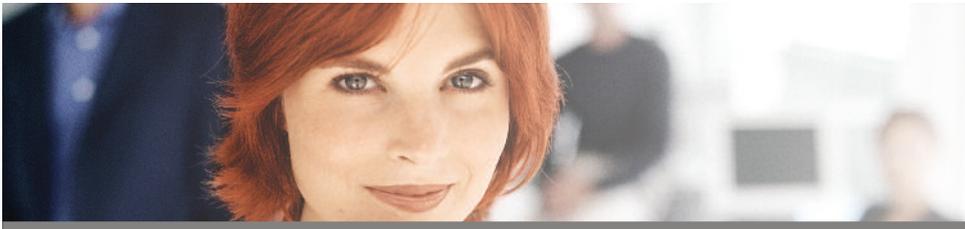
Dedicated people, integrated products and global presence continue to serve as the cornerstones of the Company's structure, supporting the mission upon which Euronet was founded – 'to deliver electronic financial payment convenience to its customers in emerging and developed markets.'

Euronet is committed to developing and delivering superior software quality to its customers. Due to the critical and timely nature of their customers' business and the data they deal with, quality has become a commercial imperative in order to reduce the level of corporate risk for Euronet.

### The Need to Accelerate Quality with Limited Resources

Ensuring superior software quality was becoming more of a challenge for a number of reasons; test environments had to conform to payment card industry standards and on top of this, the company had been conducting all testing





manually, requiring resources of up to 15 employees who were taken off other projects for the 4-6 week duration. As a result, system tests could only take place once annually.

Euronet was very aware of the importance of maintaining its software quality to its business and the nature of highly sensitive data amid increasing legislation and compliance requirements. The company sought a solution that would upgrade and enhance its processes aiding with the extraction and then de-sensitisation of customer data for the testing environment and enabling much wider testing coverage of its applications. Euronet's goal was to automate the testing of its interactive and batch IBM iSeries processes, its green screen and GUI applications, and SOA service call operations, reducing



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**Doug Goodwin**  
Vice President of Global Development at Euronet

risks and improving the quality of these applications without significant increases in cost.

### Full Automation and Test Data Management

Doug Goodwin, Vice president of Global Development recounted: "We assessed a number of solution vendors and Original Software had the best overall suite of products that

addressed our needs – specifically iSeries test data management and the green screen and GUI application support within TestDrive."

The database extraction functionality within Original Software's TestBench allows test teams to quickly and easily extract data from live systems, creating a subset for use in a realistic testing environment. Data scrambling allows for the sanitisation of customer records and high risk items, safeguarding the records, as well as the company itself, from legal ramifications and compliance laws. The data protection module allows users to create checkpoints, rolling back the changes and resetting the environment if it becomes corrupted by any testing activity, thus ensuring its ability to be re-used on further developments or regression tests.

### A Business Transformation

Dale Cook, Manager of Software Development, Euronet, takes up the story: "We implemented the solution in the fall of 2008 and immediately saw the benefits with huge time savings in the set up of new test environments. We made significant savings initially in terms of storage capacity, reducing the size of our test environments by around 85 percent.

The new suite allowed us to look at test planning from a whole new perspective and change the way that we addressed quality assurance within the organisation.



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**Dale Cook**  
Manager of Software Development at Euronet





In less than a year, we are up and running with the new system, and able to more fully regression test each new release. We've been really impressed with the new solution, the use of variable data and the ability of the scripts to self-heal is so powerful, facilitating re-use of a single script multiple times."



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The project has been a great success. By enhancing its quality processes, Euronet is able to continue delivering a superior product to the end user with fewer bugs and reduced cost of fixing bugs as they are picked up earlier in the cycle.

"With automation, we are able to more fully and effectively test the application," Cook added. "Our test coverage is much wider. For example, instead of manually testing one account combination and all its permutations, we can automate the testing of 15," he explains.

"The solution from Original Software has helped us to significantly reduce any business risks resulting from less than superior quality in our software. We've been really impressed with the level of customer service provided by the company; they've been responsive to our needs and dedicated to help us succeed." Doug Goodwin concludes.



## About Original Software

With a world class record of innovation, Original Software offers a solution focused completely on the goal of effective quality management. By embracing the full spectrum of Application Quality Management across a wide range of applications and environments, the company partners with customers and helps make quality a business imperative. The solution includes a quality management platform, manual testing, full test automation and test data management, all delivered with the control of business risk, cost, time and resources in mind.

More than 400 organisations operating in over 30 countries use Original Software solutions. Current users range from major multi-nationals to small software development shops, encompassing a wide range of industries, sectors and sizes. We are proud of our partnerships with the likes of Coca-Cola, Cargill, HSBC, FedEx, Pfizer, DHL and many others.



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