# CASE STUDY

# A World Leader in File Data Management Optimizes QA Effort and Accelerates Testing using Automation

## About the Company

The company based out of New Hampshire, is a world leader in the management and control of unstructured data. It's client base includes companies ranging from the Fortune 1000, federal and local government agencies, educational institutions, to non-profit organizations and small to medium size companies.

## The Challenge

The company's suite of products allow clients to control user access, set quotas, maintain threshold levels, archive data and store it in the secondary storage device(due to their massive sizes and scarce usage).

Testing these functions was tedious as there were more than 10 products catering to multiple storage domains. Each of these products supported multiple platforms, storage devices, multiple server types and back-end devices.

Testing these products using several tools on multiple platforms resulted in vast combination of test cases, which in turn meant repetitive testing. Each of the products were to be tested with international standards and localization in mind, as they were to be released to clients outside US.

## Trigent's Approach

Trigent's team of experts engaged with the customer for test requirement gathering and creating test cases. All-Pairs/PICT tools were used to derive optimum test data and ensure complete test coverage. Using MacroScheduler automated scripts were created to reduce time and repetitive tests. In addition, localization and globalization testing standards were applied to test system performance.

Trigent expertise helped client quickly eliminate wastages in developing a comprehensive test plan. Trigent leveraged its team of certified experts and employed best of breed tools for this end-to-end QA consulting engagement.

### Highlights

- ✓ 4000+ test cases were developed
- ✓ Ensured 80% code coverage
- ✓ PICT tools to extract 112 Optimum tests out of 12400+ combinations
- ✓ 40% reduced time to market
- ✓ Performance testing to measure and improve load
- ✓ 30% reduction in manual efforts