



## AS400 Automation through iSeries Web Access for a Leading Leasing Company

### ABOUT THE CLIENT

The client is a UK-based leading leasing company that leases vehicles across Europe market

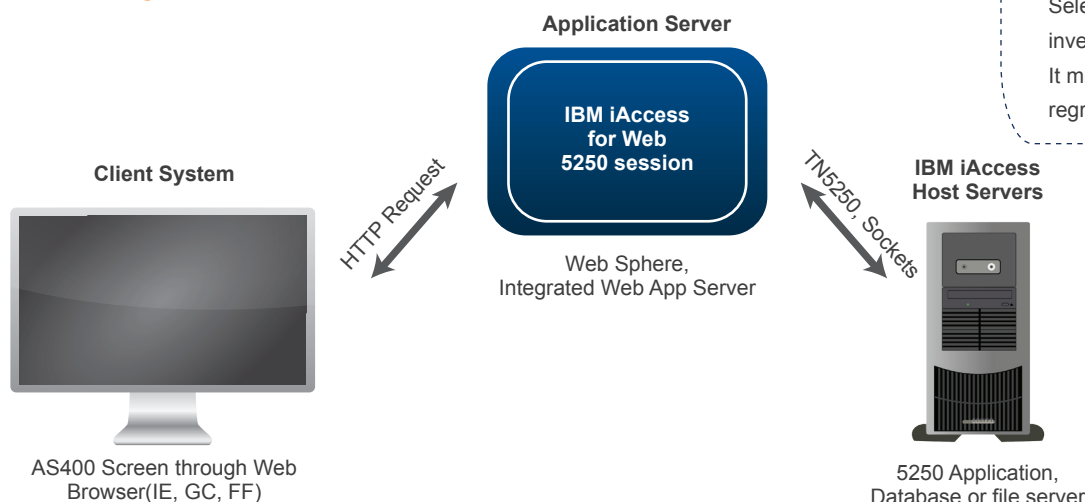
### The Need

- **Issue timely and responsive quotes to leasing vendors**  
The system generated an average of 20,000 quotes per month. However, these had to be customized and prioritized to ensure that the vendor's response is timely and effective.
- **Increase the application quality throughput to reduce associated risks and loss of productivity**  
Handling the lease quotes played a very important role in optimizing the business benefits and it was necessary to identify the application failure to eliminate the quality risks. In addition, regular enhancements were required to ensure that the AS400 application was able to withstand the business growth.
- **Reduce test execution cycle time**  
The application had multiple release cycles with enhancements on every release. The QA team had to ensure that quality was maintained while testing the application in multiple test environments.
- **Test AS400 application using an open source automation tool**  
AS400 application was automated to increase test coverage and effectiveness. However, the challenge was to identify the open source tool for the AS400 application to minimize the tool investments.

### The Solution

The project had a challenge in accessing AS400 applications through web and identifying the open source automation tool. iSeries Access for Web enables end users to leverage business information, applications and resources across an enterprise by extending the iSeries resources to the client desktop through a web browser.

### AS 400 Through IBM iAccess



### Value Delivered

- **Value for Money [Faster ROI within 3 test cycles]** - Reduced test maintenance effort due to the use of Hexaware's Selenium framework, with standard reusable function and flow.
- **Enhanced time-to-market [25% Faster] with enhanced test coverage** - Ability to make required adjustments, and ensure release goals are accomplished. We can have multiple product releases with higher test coverage through automation.
- **Improved Business Results [Test Effectiveness more than 80%]** - Business users' time freed to focus on core business rather than testing. Customers would be benefited as they would receive thoroughly tested product version.
- **Reduced dependencies on COTS Test Automation Tool** - Well supported by Selenium (Open Source tool) leads to zero investment on commercial tool for automation. It minimizes investment on automated regression suite preparation

## Implementation included:

### Setting up the Web application host server from an iSeries

IBM WebSphere Host Publisher 4.0 enables users to host applications with a Web look and feel. These host applications can then be run directly from any standard web browser. Host Publisher allows you to integrate multiple sources of data, including host and database applications, into a single web page with no change to the backend applications

### Validating AS400 functions and identifying automation objects

Once the AS400 screens are available through web browsers, ensure it mimics the environments and functionality for various browsers like IE, Firefox and Chrome. Identify the objects are recognized by the automation tools i.e. Selenium.

### Accessing AS400 application through IBM iSeries web emulator

iSeries Access for Web pack, installed on the host server, will enable configuring iSeries Access for Web within the web application server and then starting iSeries Access for Web browsers.

### Reducing the test execution cycle time through automation

Identify the test scenarios to be automated using the tool in such way that it increases the test coverage of the application. Develop scripts using Hexaware's framework for executing in multiple browsers and nightly builds.

## About Hexaware

Hexaware is a leading global provider of IT, BPS and consulting services. The Company focuses on key domains such as Banking, Financial Services, Capital Markets, Healthcare, Insurance, Travel, Transportation, Logistics, Hospitality, Manufacturing and Consumer. Our business philosophy, "Your Success is Our Focus", is demonstrated through the success we ensure for our clients. Hexaware focuses on delivering business results and leveraging technology solutions by specializing in Application Transformation Management (ATM), Enterprise Solutions, Human Capital Management, Business Intelligence & Analytics, Digital Assurance, Infrastructure Management Services, Digital and Business Process Services. Founded in 1990, Hexaware has a well-established global delivery model armed with proven proprietary tools and methodologies, skilled human capital and SEI CMMI-Level 5 certification.

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