

Modernization Solutions to Customer Challenges

Application modernization case studies





Our modernization modus operandi is to **build on strength**, adding fresh technology innovation to time-proven and resilient core systems using our Application Modernization and Connectivity (AMC) portfolio.

We align the solutions with a **proven methodology**, creating a deployable, holistic process.

What does this process mean to our customers? In the following snapshots, we look at our customers' modernization successes as they leverage OpenText™ Modernization Solutions to solve real-world business challenges. For even more customer case studies and AMC solution information, visit [here](#).

Let's go!



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Host Access for the Cloud provides easy web access to mainframe applications with built in advanced security

Abraxas secures processes between government agencies, businesses and citizens with innovative IT applications. Everyone along the line benefits from digitalization.

What was the challenge?

To provide access to its mainframe-based applications for database administrators and developers, Abraxas needed to consolidate different host connectivity solutions while saving costs and improving security.

What was our solution?

[OpenText Host Access for the Cloud](#)

What were the benefits?

- Increased efficiency and substantial cost savings
- Seamless integration into existing identity and access management
- Increased productivity through zero footprint web access
- Simplified IT management through central administration

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"By consolidating our license and maintenance costs, and reducing our MIPS consumption on the mainframe, we realized a substantial annual cost saving. Host Access for the Cloud has improved our security and works seamlessly within our identity and access management environment."

Michael Seger

Data Center and Mainframe Manager, Abraxas





COBOL deployment using Docker containers streamlines cloud delivery, enabling optimized server infrastructure, rapid time-to-market and DevOps practices

Advanced offers software solutions that simplify complex business challenges and deliver immediate value for public sector, enterprise, commercial and healthcare organizations.

What was the challenge?

Advanced's e5 solution provides end-to-end accounting process management. Wanting to offer a new cloud version of e5, Advanced looked to bring a new SaaS offering with built-in scalability and high availability to market while still leveraging its existing COBOL code.

What was our solution?

[Micro Focus™ Visual COBOL by OpenText](#)

What were the benefits?

- Faster onboarding of new customers from half a day to just minutes
- Docker-based deployment into AWS provides seamless and rapid deployment
- Scale-out solution developed using Docker Swarm
- Streamlined DevOps processes with continuous testing and deployment
- New integrations with a choice of RDBMS, including open source

"Our choice of Micro Focus COBOL over 25 years ago is still paying dividends for us. We have enjoyed continued wide platform and OS support and have now made the move to the cloud, leveraging Visual COBOL and its Docker support."

Gary Cowell

Solution Architect for e5, Advanced

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Tuning up application performance takes on explosive growth in the digital streaming market

APRA AMCOS is a music rights organization representing over 100,000 songwriters, composers and music publishers. It licenses organizations to play, perform, copy, record or access music, and distributes the royalties to its members.

What was the challenge?

APRA AMCOS looked to accommodate the massive increase in streaming music data locally and globally by modernizing its dated IT infrastructure.

What was our solution?

[Micro Focus Visual COBOL by OpenText](#)

What were the benefits?

- A 200 percent performance increase following COBOL upgrade combined with upgrading the commodity hardware platform
- One million Lines of Code (LOC) migrated in one week
- Scalable solution for multi-territorial digital hub
- Prompt payment to music creators, boosting customer satisfaction

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"When we first invested in COBOL decades ago, who would have thought that streaming music would even be a thing? But here we are, and it is testimony to the longevity of COBOL and the strategic direction of Micro Focus [now OpenText] that we are successfully riding the digital transformation wave in our industry."

Mark Atkins

Business Support and Infrastructure Manager, APRA AMCOS





CGI

Visual COBOL and COBOL Analyzer ensure business-critical COBOL-based payroll solution's long-term future

CGI is one of the largest IT and business consulting services firms in the world. CGI Sweden develops and delivers a COBOL-based blended HR and payroll solution with a complex mix of SQL and Web integrations.

What was the challenge?

CGI Sweden needed to ensure that its business-critical payroll solution remained fully supported while preparing it for future cloud deployment.

What were our solutions?

[Micro Focus Visual COBOL for Visual Studio by OpenText](#)
[Micro Focus COBOL Analyzer by OpenText](#)

What were the benefits?

- Fully supported version-current development environment
- Modern and intuitive development interface attracts new talent
- Future-proofed solution enables potential move to the cloud
- Streamlined development for more agile response to the business

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"Although the stability of the Net Express environment was never in question, by upgrading to Visual COBOL we feel we extended the horizon of a business-critical solution by several decades, while modernizing our development processes for more business agility."

Carl Gerhardsson
Development Manager, CGI Sweden



“Like for like” digital transformation exceeds expectations to deliver “like for much better”

The UK's largest public service department and part of the UK's Critical National Infrastructure, DWP administers working age, disability and pension benefits to 20 million citizens.

What was the challenge?

DWP's platform was stable but aging, with steadily increasing batch processing times that limited flexibility. The goal was to introduce development flexibility to improve release deployments and reduce batch processing and system maintenance efforts.

What was our solution?

Micro Focus Visual COBOL by OpenText

What were the benefits?

- Re-platformed 11 Critical National Infrastructure benefit application services
- Up to 60 percent batch processing improvement
- Converted 25 million application LOC and 10.8 billion data rows
- Increased deployment capability to over 800 releases in first 12 months
- Achieved £147 million Net Present Value (NPV) in business case cost savings
- 100 percent implementation success with no service or user disruption

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“Leveraging Visual COBOL we created a CI/CD and container pipeline approach in AWS to give us rapid deployment capability. Instead of two major releases each year, over the last 12 months we deployed 800 times.”

Mark Bell

Virtual Machine Environment, Replacement Programme Deputy Director, DWP





Host connectivity opens key business application to remote and mobile users to deliver flexibility, security and improved productivity

One of Europe's most significant textile companies, operating seven manufacturing and office sites in Bulgaria and Italy.

What was the challenge?

To manage a complex manufacturing and inventory environment, E.Miroglia EAD chose to introduce more flexible host connectivity access to its business-critical production management solution while enhancing security and ease of use.

What were our solutions?

[OpenText Reflection Desktop](#)

[OpenText Host Access for the Cloud](#)

[OpenText Host Access Management and Security Server](#)

What were the benefits?

- Enabled central management of 500+ desktop and web-based host connectivity users
- Enhanced security and data privacy regulation compliance
- Improved user productivity through new features and ease of use
- Secured investment with a clear future roadmap

"We are pleased to take central control of the management of all host connectivity activities, while adding more secure access and providing our users with time-saving features. Micro Focus [now OpenText] supported us all the way with a clear roadmap for their host connectivity solutions."

Maurizio Chiavazza
IT Manager, E.Miroglia EAD

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Digital transformation delivers drastically reduced IT complexity with a flexible platform, achieving a 70% OPEX saving

FIATC provides insurance solutions to both individuals and companies, and with over 50 branches is the second largest mutual insurer in Spain.

What was the challenge?

To simplify a complex and expensive IT infrastructure, while making the process transparent for users and minimizing risk to business-critical solutions.

What were our solutions?

[Micro Focus Enterprise Developer by OpenText](#)

[Micro Focus Enterprise Server by OpenText](#)

[OpenText Reflection](#)

What were the benefits?

- Achieved an approximate 70 percent reduction in OPEX
- 30 percent faster batch processing to boost efficiencies
- Achieved ROI in fewer than two years
- Streamlined and unified development environment
- Simplified data analysis for better decision-making

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"We have noticed spectacular improvements in the performance of our corporate applications. We have also reduced our batch processing time by 30 percent, resulting in a two-hour reduction of our nightly batch processing, thus largely avoiding downtime and therefore optimizing our performance and saving processing time."

Jordi de Martín
CIO, FIATC





Visual COBOL-driven cloud native solution goes beyond the bounds of mainframe architecture to demonstrate cutting edge modernization

FIS is a leading provider of technology solutions for merchants, banks and capital markets firms globally. It is dedicated to advancing the way the world pays, banks and invests by applying scale, deep expertise and data-driven insights.

What was the challenge?

To improve the speed, efficiency and quality of its software development, support, and delivery processes while simplifying operations and improving resilience and recovery.

What were our solutions?

[Micro Focus Visual COBOL by OpenText](#)

[Micro Focus Enterprise Developer by OpenText](#)

What were the benefits?

- Measurable performance improvement
- Improved concurrent processing
- Low risk migration for clients with no change to business processes
- Full scalability with Docker containerization
- Faster time to market
- Integration into DevOps-driven CI/CD delivery pipeline

"It has been fantastic to migrate to cloud computing and a continuous delivery model while reusing our valuable business logic and providing full business continuity to our clients. The decision to write InvestOne in COBOL all those years ago has definitely paid off for us."

Chuck Wainscott

Director of Architecture, FIS Asset Management Group

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Micro Focus Enterprise and AWS-driven modernization is the transformation launchpad for new growth, innovation and savings

One of the most profitable retailers in Australia, Kmart is a leading product development company and trusted retailer with more than 300 stores and over 37,000 team members.

What was the challenge?

Due to its rapid growth in the last five years, Kmart chose to adapt its technology environment to respond to rapidly changing business requirements while safeguarding its business continuity.

What were our solutions?

Micro Focus Enterprise Developer by OpenText

Micro Focus Enterprise Server by OpenText

Micro Focus Enterprise Analyzer by OpenText

Micro Focus Enterprise Test Server by OpenText

What were the benefits?

- Increased flexibility and scalability through AWS deployment
- Faster development and more modern skillset
- Advanced data analytics with single source of truth
- Annual operational cost savings of \$4 million
- Innovation-enabled business models and new routes to market

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"Enterprise Developer and Enterprise Server solutions, with their high level of mainframe compatibility, allowed us to rapidly migrate our existing mainframe application code in an application replatforming exercise, which we could then deploy in our chosen Amazon Web Services (AWS) cloud environment."

Group Head of Merchandising and Inventory IT
Kmart Australia





AcuToWeb supports rapid modernization, providing agile decision-making and a clear digital future

Railway Furnishers consists of two main businesses located in South Africa: a furniture and appliance retail outlet operating through 30 stores, and a branded clothing business with 13 stores.

What was the challenge?

Railway Furnishers processes over 550,000 transactions per month through COBOL backend systems, but customers could only make payments in store, a situation that turned critical during COVID-19 lockdowns. The retailer was able to quickly move online by modernizing its 'bricks & mortar' high-street model to enable modern digital retail channels.

What was our solution?

[OpenText AcuToWeb](#)

What were the benefits?

- Successful introduction of online payment gateways within a week
- Instant modernization of application UI to HTML for easy web access
- Single code base for Unix, Linux, Windows, web and mobile platforms
- Enhanced encryption for URL generation to ensure secure transactions
- Agile reporting and decision-making within a modern environment

"Incredibly, with AcuToWeb we were up and running again within just a week, having introduced two payment gateways so that our customers could settle their accounts safely online and from the comfort of their homes."

Annette Viljoen
Group Chief Technology Officer, Railway Furnishers

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Embracing innovation with Visual COBOL delivers a modern and agile development environment, boosting productivity and performance by 30%

SYSPRO ERP software is designed to address industry-specific challenges for manufacturers and distributors.

What was the challenge?

Needing to ensure that it attracted new talent to support the future of its market-leading ERP solution, SYSPRO chose to use industry-standard tooling to complement agile software development practices to more easily onboard new developers unfamiliar with COBOL.

What were our solutions?

[Micro Focus Visual COBOL for Visual Studio by OpenText](#)
[OpenText Net Express](#)

What were the benefits?

- Up to 30 percent improvement in development productivity
- Ability to onboard new developers more quickly and easily
- 30 percent improvement in application performance
- Simplified application installation and setup for customers

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"Visual COBOL has enabled us to bridge the skills gap and engage with a younger generation of developers, who are now excited about COBOL and view it as a career development opportunity."

Russell Hollick

Chief Software Architect, SYSPRO



How can we help you on your modernization journey?

Start here

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