

**INDUSTRY**

Software development

**CHALLENGE**

Consolidate combined SCLM-homegrown solution to single, modernized SCM tool as technical experts retire

**SOLUTION**

Compuware  
ISPW®

**RESULTS**

- Consolidated DevOps lifecycle management
- Standardized SCM on a single, modern, Agile tool
- Made it easy for developers to oscillate between applications
- Enabled multiple developers to work simultaneously

# Software Company Consolidates and Modernizes SCM with ISPW

The digital vanguards of modern business foster creative cultures and leverage collaborative development processes. However, it's modern Agile/DevOps tools that enable them to transform innovative ideas into tangible deliverables that exceed customer expectations.

Meanwhile, many of the tools mainframe shops use today were built in-house and, over the years, have been spontaneously customized to fit in or around mainstream commercial products. This convolutes the already difficult transfer of mainframe knowledge and skills from retiring experts to new developers.

One software company discovered this when the only employee who knew the esoteric ins and outs of the company's mainframe SCM solution—a homegrown Assembler application built around IBM Source Configuration and Library Management (SCLM) for z/OS—said he was retiring.

All development occurs on the company's mainframe, requiring an experienced staff that draws from decades of niche technical knowledge and skills to develop business applications and operating system utilities. However, despite the company's many combined years of mainframe experience, it's software development team is only a few programmers. When they lose even one developer, it impacts productivity more than it would a large shop losing multiple people.

**BUSINESS CHALLENGE**

The company planned to hire a replacement for the retiring developer, who agreed to stay on throughout the transition, but it quickly realized it would be unreasonable to hire someone new to be trained to support an antiquated Assembler-SCLM tool that wasn't core to the company's business. And it would be an especially regressive decision for a software provider espousing to its customer base the benefits of efficiency through modernization.

The Assembler-SCLM tool impeded the acceleration of application development and delivery, a crippling disadvantage to winning and keeping customers in a digital age where the pace of a "dinosaur" has long been superseded by industry-disrupting Agile "unicorns."

The company determined it needed to consolidate its Assembler-SCLM tool into one Agile SCM solution with a modern interface that provides access to capabilities like parallel development, easy full and partial rollbacks with coverage, and a more reliable and faster deployment model.



## SOLUTIONS

The company scoured the SCM market for a singular tool before finding **ISPW**, an Agile SCM, release automation and deployment automation solution. The company was enthusiastic about the features ISPW offered, but the decision to implement ISPW came after Compuware's acquisition of the tool in January 2016.

Knowing ISPW would be in good hands with Compuware helped the company decide, but there were also specific, appealing aspects of the tool:

### Enterprise-wide Parallel Development

ISPW's multiple development areas enable concurrent development. The company's programmers would be able to work in parallel and improve collaboration through features like:

- Lifecycle management that shows multiple versions of code in flight
- End-to-end tracking of every action that affects code running at any level
- An audit trail of all activities throughout the development lifecycle

### Easy Full or Partial Rollback

With ISPW, developers can rollback some or all code changes at once and replace a current production program with a valid previous program version, something their Assembler-SCLM tool was limited in. In ISPW, production source is synchronized with rollback so versions always match.

### Deployment Web Interface and Mobile Management

ISPW's modern, intuitive web interface would make it easier for developers to view the status of all deploy requests and the environments into which code was deployed. The mobile interface would eliminate delays by enabling managers to respond to alerts anywhere, anytime code changes are ready for approval.

## RESULTS

After deciding to purchase ISPW, the company leveraged Compuware's ISPW **SCM Migration Service** to quickly and economically transition from their Assembler-SCLM tool to ISPW.

By migrating to ISPW, the company standardized to a single, modern, Agile tool designed to empower any developer, regardless of mainframe skill level, to efficiently develop and deliver quality innovations. ISPW is allowing the company to consolidate its DevOps lifecycle management, from building code to deploying code all the way to production. And as everything now exists within one tool, developers can move between applications with ease and work in parallel.

Additionally, to help the short-staffed mainframe team exploit ISPW's development and delivery capabilities without the added stress of setup, Compuware's support team handled the installation and configuration process.

To learn more, visit [compuware.com/ispw](https://compuware.com/ispw).

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