

# Rebuild a Skilled IMS Workforce as Experts Retire

## Compuware Advantage

Compuware solutions allow IMS application developers to quickly gain visibility into how an application flows and the data it uses.

### The Benefits

- Boost productivity of existing IMS developers
- Quickly and affordably add new developers—and enable them to be productive much more quickly
- Maximize the benefits of your IMS platforms—and avoid the massive, multi-year effort associated with moving off of them
- Ensure IT can continue to deliver responsive, valuable services to business users—and help the business more effectively respond to changing competitive and regulatory demands
- Comprehensive IMS Data Privacy functionality; no other vendor offers the breadth and depth of data extraction and disguise, facilitating the creation of testing and training data from production data sources

**You can enjoy these benefits without having to wait for enhancements happening within IMS and without incurring the cost and burden of making upgrades to your IMS platform.**

## Lack of IMS Expertise

Within many IT organizations running IBM Information Management System (IMS) applications, development teams are struggling to keep pace with constant demands for new application enhancements and integrations. One reason for this is that developers lack intuitive visibility into their data and applications. Given the size and complexity of their IMS environments, development teams struggle with the time-consuming efforts needed to understand interdependencies and identify the specific code that needs to be updated. This makes code development, testing and roll out complex and labor intensive.

All these challenges are only exacerbated by the fact that IMS development teams are shrinking. The IMS developer talent pool is much smaller than for mainframe developers more broadly, which means organizations running IMS are seeing a skills gap emerge faster—and more severely.

## Why It Matters

The complex nature of IMS application development and the scarcity of development expertise leaves your organization exposed to significant problems:

- Steep learning curves caused by the complex nature of IMS apps
- Spiraling salaries and costs due to the decrease in IMS developers
- Disrupted business initiatives because of retirement or illness
- Inability to change applications to meet business requirements

These realities present you with two highly unappealing choices:

1. Stick with the status quo and watch these problems get more severe.
2. Abandon your massive IMS investments and embark on an expensive, expansive, multi-year effort to migrate to a different platform.

Neither of these options position your company for future success.

## The Solution

With Compuware, businesses running IMS can eliminate the challenges associated with the shrinking population of IMS developers—without scrapping their IMS platforms. Compuware has proven solutions that offer unparalleled value in IMS development and support environments that can assist experienced developers become more productive and inexperienced developers get up to speed quickly.

Learn more at [Compuware.com](https://www.compuware.com).



ISPW helps manage the deployment of complex and time-consuming IMS applications. IMS configurations can be very complex with numerous IMS regions that may manage different applications or application components. Further, many IMS applications require coordinated software deployment across both mainframe and distributed platforms, introducing an even greater level of complexity. ISPW can significantly streamline the effort needed to deploy IMS applications, even across different environments. The solution offers a range of advanced capabilities for source code management, release automation and deployment automation. With ISPW, you can automate a range of deployment functions, allowing developers to focus on application functionality.



File-AID's Data Privacy functionality offers industry-leading extract and disguise capabilities for IMS data. Whether using production extracts to create testing or training data, this comprehensive solution is part of an enterprise-wide data privacy offering for both mainframe and distributed data.



File-AID solutions offer intuitive file and data management capabilities that allow application developers to manage files and data in a consistent fashion, across IMS and other data structures.



Strobe delivers leading capabilities for managing and analyzing application performance in IMS environments. The solution offers unified views of transaction processing, which can be executed across multiple subsystems in IMS environments.



Topaz Workbench is an extension that provides an integrated development environment (IDE) for IMS implementations, streamlining application development, modification, maintenance, testing and troubleshooting.

Topaz for Enterprise Data can be used to access IMS and other database platforms, including Oracle, DB2 and SQL Server—providing full editing capabilities and visualization of data relationships.

Topaz for Program Analysis's Runtime Visualizer feature provides insight into your IMS applications, helping developers quickly and easily gain an understanding of source code, so they can determine where to focus their efforts.

Topaz for Enterprise Data also offers the Data Visualizer feature that enables developers to visualize and understand complex data structures within IMS application environments, including relationships between applications, database objects and external files.

Through these features, Topaz helps developers of all skill levels quickly understand complex or unfamiliar programs and make changes with confidence regardless of the absence of reliable documentation.



Xpediter provides powerful source code level debugging capabilities for IMS workloads. With both 3270 and Eclipse interfaces, users can intercept any IMS COBOL, PL/I, C or HLASM workload regardless of where it originates (web, mobile, etc.). Xpediter also provides the engine for both Code Coverage reporting and the Runtime Visualizer feature.