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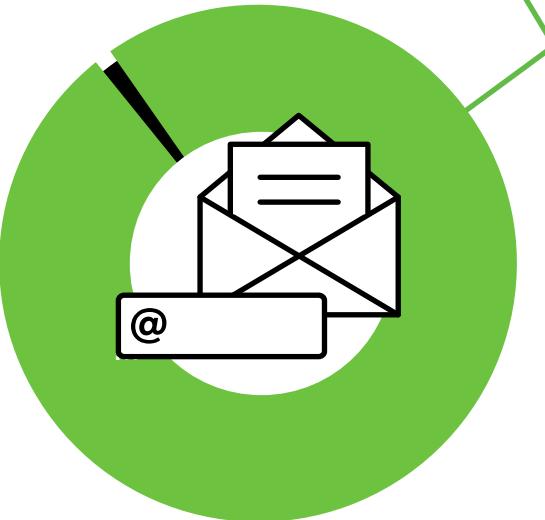Product Listings

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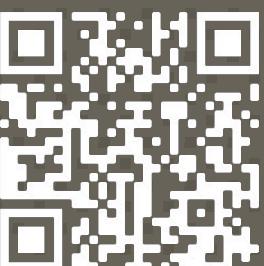
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Inside, you will find best-in-class offerings from leading business partners and ISVs from around the globe. This resource is designed to connect you with the expertise necessary to tackle your most pressing challenges. From application modernization and cybersecurity to implementing AI and hybrid cloud strategies, the partners featured here provide the critical technologies to optimize your systems.

I've always believed that the strength of a platform lies in the vibrancy of its surrounding community. The Solutions Directory is a testament to that, showcasing the innovation that helps organizations like yours enhance performance, secure critical data and adapt to an ever-evolving technology landscape. We trust this directory will serve as an invaluable tool in helping you find the right partners to achieve your strategic goals.

EVELYN HOOVER
EDITOR-IN-CHIEF, TECHCHANNEL

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Solutions Directory

TechChannel 2026

COMPANY AND PRODUCT LISTINGS

RESOURCES

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AI and the Fast Track to Mainframe Skills

Meredith Stowell, VP of LinuxONE & Z Ecosystem at IBM, explains how generative AI tools are helping mainframers get up to speed and beat the skills gap

BY ANDREW WIG

As AI advances, it will be asked to help humanity solve several vexing challenges, from fixing traffic jams to revolutionizing drug discovery. But perhaps before it gets that deep in its to-do list, it will assist in overcoming the mainframe skills gap by helping technologists better understand the complex systems they are working with.

As a solution to the skills gap, "I am going to say it's the game changer," Meredith Stowell, VP of LinuxONE & Z Ecosystem at IBM, tells TechChannel.

IBM and mainframe ISVs have long invested in programming and tools to encourage skill building, such as the IBM Z Student Ambassador Program and the Z Xplore Learning Platform. However, one of the main challenges, Stowell says, is that no two mainframe shops use the IBM Z platform the same way, each with its own business needs, software stack, development environments and legacy technologies to consider.

So for the new mainframers who are replacing retiring technologists, adjusting to the platform isn't chiefly about learning niche development languages or exotic interfaces. "You can learn JCL, you can learn Rexx, you can learn all of the different knobs that you need to use," Stowell says.

The most pertinent question, she explains, is how the company implements those components. "To me, that's where AI comes in."

MAINFRAME SHOPS EMBRACE GENERATIVE AI

A new array of generative AI tools are helping mainframers understand the intricacies of their particular IT environment—including business rules, architectures and dependencies—and how they interact with the code they are working with.

It can take years for a mainframer to fully understand a given system. In the meantime, a properly trained large language model can provide the necessary information in real time as the task in question is carried out.

"What AI has been able to do is take a lot of that knowledge and put it into a consumable way that now anybody that's new to the platform, if they have a question, they've got that mentor in their pocket," Stowell says.

Mainframe developers have been quick to take advantage of the new tools at their disposal. According to Kyndryl's 2025 mainframe modernization survey, 88% of organizations surveyed have implemented generative AI tools in their mainframe environment or plan to.

In another data point, BMC's 2025 mainframe modernization survey found that 65% of organizations polled have already implemented generative AI on the mainframe, with 74% calling AI "extremely" or "very" important to their mainframe strategy over the next 12 to 24 months.

RELIEF FROM HEAPING WORKLOADS

Stowell views these resources not as replacements for people, but as instruments that augment their capabilities, making the individual technologies that much more productive. According to this line of thought, supercharging human capabilities may help technologists catch up on their work.

The association between the rise of AI and a weakening of the job market for entry-level tech jobs has been widely reported, but Stowell noted that AI is helping mainframers who are "underwater" due to immense workloads. These might include growth projects, day-to-day work and compliance and security responsibilities.

"So think of AI as that helper along the side that's making things go faster, so that you can then focus on some of the higher-level areas that you haven't been able to up until this point, because you've been just so busy trying to keep up," Stowell says.
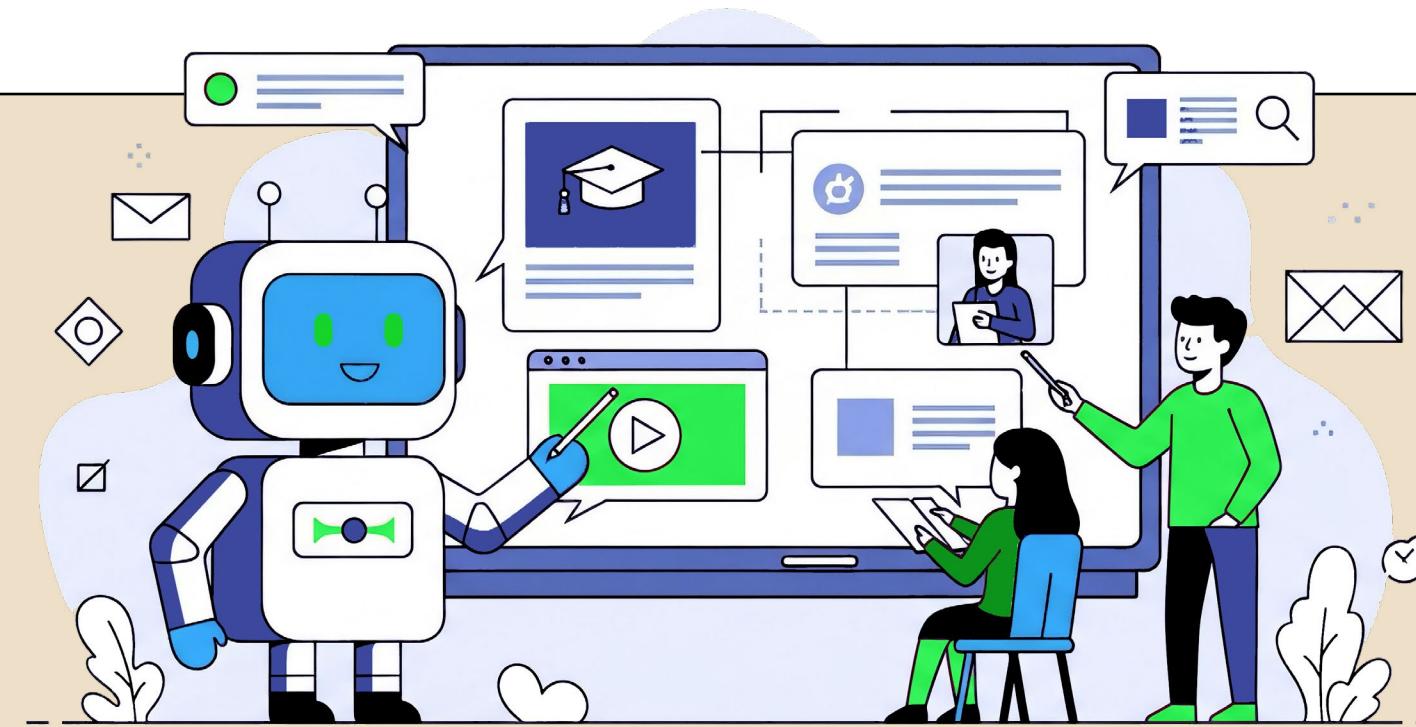
79% say staffing limitations were a hindrance to business objectives

Source: Popup Mainframe, 2025 Mainframe Market Survey

Indeed, 79% of those polled in Popup Mainframe's 2025 Mainframe Market Survey said staffing limitations were a hindrance to business objectives. In Kyndryl's 2025 survey, 70% of organizations reported not being able to find people with the skills they need to modernize their mainframe.

TRADITIONAL LEARNING MEETS AI ASSISTANCE

While surveys have found that organizations are embracing AI on the whole, it is still less popular than more traditional interventions for bridging skills shortfalls. Of the four approaches mentioned in Kyndryl's survey report, AI was the least popular, at 35%. Upskilling existing employees was at the top of the list (44%), followed by automating processes to reduce dependency on specific skill sets (40%) and hiring new employees (36%).

But still, 35% is a sizable share, and one tool credited to help bridge skills gaps is watsonx Code Assistant for Z. According to Stowell, the tool's largest impact has come through its "understand" function, where the code assistant helps users learn about critical aspects of the complex, monolithic applications they are working with.

For instance, the generative AI tool might help a new mainframer comprehend the intricate dependencies of the code they are working with—and avoid breaking things. "What if I am a new application developer and I have to go make a change, or I have to go add a new capability within that code, and I have no idea?" Stowell illustrates. "I can read the COBOL, that's fine. It's pretty easy to read. But it's like, 'Oh my gosh, if I touch this little thing, what's going to happen?'"

watsonx Code Assistant for Z, she continued, "truly takes that code and says, well, hey, this piece of code here is probably what you're looking for, but here's what it's going to impact. It's going to touch here, here, here, here, here, and here."

THE SOFT-SKILLS PARADOX

As AI transforms work for technologists everywhere, non-technical skills are, paradoxically, becoming increasingly important. These are the skills that silicon has trouble duplicating, things like emotional creativity, interpersonal communication and leadership—in other words, soft skills.

"Highly specific, advanced technical skills are obviously important, but fundamental skills are actually really important, too, if not more important," Letian Zhang, assistant professor of business administration at Harvard Business School, said in the school's Working Knowledge publication.

While much of the IT community has come to acknowledge the importance of soft skills, Stowell believes they've always been the most important traits for a technologist. "I've been a manager for many, many years, and I was previously in consulting and services. And I will tell you the most important thing that you can do, is you have to be able to communicate and you have to be able to work in a team," she says.

The new wrinkle is that AI is now part of that team. Stowell views this nascent relationship as collaborative, not competitive. "It's not AI or the person," she says. "It's AI and the human." ▪

Company & Product Listings
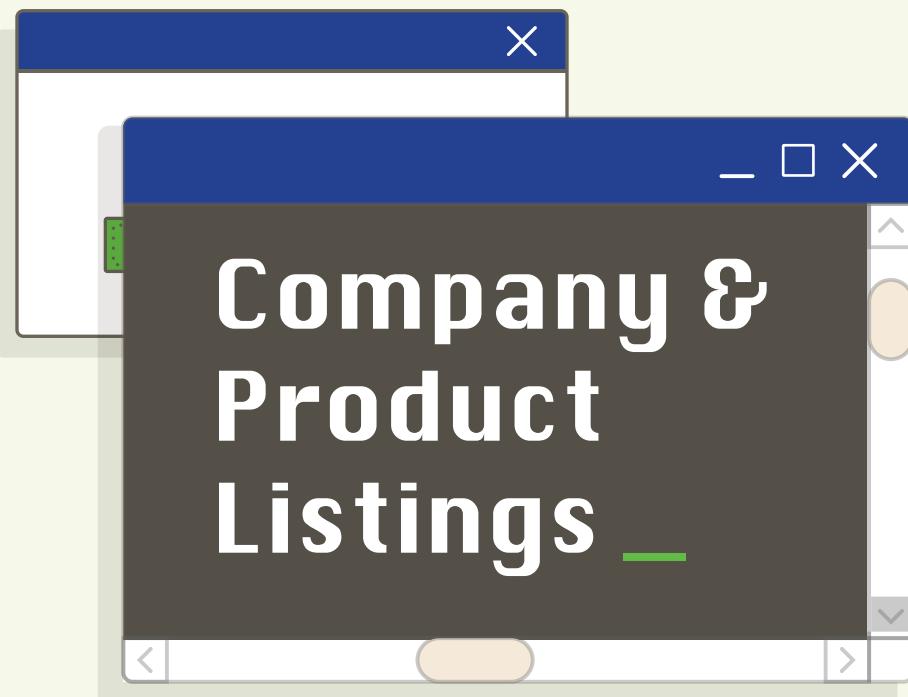
SOLUTIONS DIRECTORY
2026 PRODUCT LAUNCHES

By accelerating innovation and embracing digital transformation, mainframe clients can unlock greater efficiency, stay ahead of their competition and deliver exceptional value to their customers. The following partners and ISVs are introducing exciting new offerings, fueling the dynamic IBM Z mainframe partner ecosystem. Take this opportunity to explore these groundbreaking solutions and see how they can enhance your business.

Data Management

BMC AMI Cloud from BMC

BMC AMI Cloud modernizes mainframe data management by delivering scalability, resiliency, data integration and regulatory compliance in today's cloud-centric world. Through immutable air-gapped backups, fast disaster recovery and seamless data integration with modern cloud applications, AMI Cloud helps organizations streamline data management for better business insights.

Learn more on page 12 →

Systems Management

IPLCheck/AI from NewEra Software

IPLCheck/AI is Image FOCUS running directly under the IBM Health Checker. It performs full inspections, detects Health Check exceptions and identifies dynamic configuration changes. With AI-enhanced analysis, IPLCheck/AI uncovers hidden risks, improves compliance awareness and strengthens the integrity and resiliency of your z/OS environment.

Learn more on page 37 →

Tools and Utilities

Pivotor z/OS Performance Reporting from Enterprise Performance Strategies

Contrasting with other z/OS SMF data reporting products, Pivotor z/OS Performance Reporting has the embedded expert knowledge and actual intelligence to help optimize your environment. Pivotor's core architectural features include exception analysis, drill down by association, long-term reporting and data aggregation, short-term reporting and high-frequency analysis.

Learn more on page 24 →

Cybersecurity

Vanguard Software Application Monitoring & Malware Detection (SAMM) from Vanguard Integrity Professionals

SAMM provides a robust feature set for securing and managing z/OS environments while maintaining compliance. These include system software monitoring; file integrity and malware detection; system and application monitoring across LPARs and libraries; maintenance level validation across all LPARs and systems; web-enabled, customizable interfaces and real-time alerting.

Learn more on page 48 →

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Action Software International provides proactive change control system management tools for the z/OS MVS and z/OS UNIX environments compliant with COBIT, ITIL SOX and EU-GDPR, DORA. eventACTION and ussACTION for z/OS extends that power to mainframe platforms. Our products are widely deployed within Global 2000 companies, as well as numerous government and institutional sites. We provide easy-to-use high-performance system management solutions to the IBM z/OS system user community, based on highly functional products and exceptional customer service.

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Systems Management

eventACTION

eventACTION transparently detects and records information about all changes to defined data sets or members. Powerful resource definition options utilize masking to allow all important data sets to be defined with minimal effort. The change statistics provide detailed information identifying how, when and by whom each change was made. This information is useful for problem determination, audit documentation and compliance.

ussACTION

ussACTION adds Action Software International's unique and powerful systems management capabilities to the z/OS UNIX environment. Its event-driven approach allows you to automatically and transparently:

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- Track references to z/OS UNIX files
- Ensure that z/OS UNIX program products execute only on licensed systems
- Propagate changed data to other z/OS systems
- Send directory

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Advanced Software Products Group Inc. (ASPG), a leader in data center software for 40 years, specializes in IBM Z security solutions—including z/OS encryption (CICS, Db2, IDMS, IMS, etc.), RACF administration/reporting/auditing, enterprise password reset, user provisioning and device access. Data centers worldwide rely on ASPG solutions to increase productivity, protect data and solve critical issues in their IT environments. All ASPG solutions are backed by acclaimed, industry-leading 24/7/365 U.S.-based technical support.

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RACF

ERA (Easy RACF Audit) and ERQ (Easy RACF Query)

Easy RACF Query (ERQ) and Easy RACF Audit (ERA) offer a comprehensive solution for RACF security management. ERA enables risk assessment and auditing using SMF logs, generates reports and identifies security violations. ERQ allows users to issue RACF commands and create extensive reports, including digital certificates and multifactor authentication. Together, these tools provide everything you need to manage and secure your RACF environment with ease.

Security

CryptoZ

A cryptography diagnostic tool, CryptoZ offers advanced information on cryptographic resources such as ICSF, Keys, SMF, RACF, etc. for analysis, reporting and insights regarding cryptography and data protection. CryptoZ provides a real-time, continuous overview of your cryptographic environment, highlighting areas of concern all in one tool, enhancing your security posture and compliance readiness. Suited for any organization utilizing z/OS cryptography.

MegaCryption

MegaCryption is a suite of cryptography and key management utilities with APIs for persistent data encryption, integrity and digital signing on z/OS, UNIX, Linux and Microsoft Windows (including CICS, Db2, IDMS and IMS). It supports data sets and databases, data at rest, data in transit and data archiving. It also offers ZIP compression, text translation, utilization of ICSF, CPACF and zEDC hardware while complementing pervasive encryption.

ReACT

ReACT is a secure web-based enterprise password reset and synchronization tool designed to support your entire network (including z/OS) in one product. Quick implementation and custom scripting are free. It's fully customizable, configurable and easily cost-justified. ReACT includes leading-edge features the market demands, including more than 25 authentication methods such as OTP and TOTP, point/click editing, live dashboard, offline access and audit/management tools.

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AIOps

BMC AMI Ops

Leverage AI-powered predictive analytics for rapid problem resolution and service resilience. Detect anomalies early, gain actionable root cause insights and empower the next generation of practitioners to address issues swiftly. Modernize platform operations with proactive detection, automated resolution and enhanced interoperability. Achieve operational efficiency with intuitive UIs and minimal manual intervention. Optimize costs with visibility into drivers, control over MSU usage and low CPU overhead, ensuring consistent performance and reliability across systems.

Database

BMC AMI Data

Enhance Db2 and IMS transaction and data management for peak performance, ensuring compliance, rapid threat detection and swift data restoration. Automate routine tasks, reduce errors and simplify management, providing modern tools for the next generation of practitioners. Lower costs, improve performance and minimize resource wastage with automated maintenance and predictive analytics. Empower DBAs, development and operations teams to collaborate with agility and accuracy while maintaining data integrity, security, SLAs and operational continuity.

Data Management

BMC AMI Cloud

BMC AMI Cloud modernizes mainframe data management by delivering scalability, resiliency, data integration and regulatory compliance in today's cloud-centric world. The solution delivers seamless operations, streamlined data management, and robust cyber-resiliency by combining the proven reliability of mainframes with the agility of cloud technology. It provides immutable air-gapped backups, fast disaster recovery and seamless data integration with modern cloud applications like AI, ML, BI and analytics, to enable smarter businesses insights.

DevOps

BMC AMI DevX

BMC AMI DevX delivers a mainframe-inclusive DevOps toolchain designed for next-generation developers and accelerating innovation. The platform streamlines the development lifecycle—from coding and testing to debugging and deployment—enabling organizations to automate application development while providing a single place to manage end-to-end DevOps capabilities.

Security

BMC AMI Security

BMC AMI Security automatically protects, detects and responds to threats on your mainframe. Acting as a virtual security expert, it uses out-of-the-box policies to harden the mainframe environment against vulnerabilities, insider threats and data theft. Actionable insights help incident responders investigate and close the window of opportunities for hackers.

Storage

BMC AMI Storage

Simplify the management of your IBM z/OS storage environment with BMC AMI Storage solutions. In highly fluid and critical z/OS environments, gain visibility into capacity, utilization and performance to ensure high availability. Automate storage issue resolution with integrated event management, optimize the storage footprint and better leverage existing hardware. Enhance storage management with high-performance DASD management, backup, recovery and archiving. Maximize capacity, reduce VSAM run time, and improve CICS and batch performance.

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AIOps

Mainframe Observability and Automation

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Application Modernization

Easytrieve Enterprise Reporting

Enterprise reporting tools must keep up with today's explosive growth in data volume and variety while meeting your business needs. The new Easytrieve brings modern and agile capabilities out of the box so your business and IT teams can exploit features such as VS Code extensions into production, all while doing so in a resource-efficient footprint.

CyberSecurity

Mainframe Cybersecurity and Compliance Suite

Protect data and apps, mitigate risk and ensure compliance using comprehensive tools built for today's cybersecurity and compliance challenges. Reduce threats with advanced multifactor authentication, privileged user management and continuous cybersecurity monitoring. Analyze user activity to identify and act on risky behavior in real time. With the ability to quickly interpret and assess the security posture of your mainframe, plus the freedom to install and adopt at your own pace, the Mainframe Cybersecurity and Compliance Suite delivers modern security capabilities built on Zero Trust principles enabling you to meet regulatory compliance needs for your mainframes.

Database

Database Management Suite for Db2 for z/OS

Maximize the value of your Db2 environment using a flexible and powerful set of tools to help your enterprise improve service levels, data availability and application responsiveness—while reducing costs. Ease the burden of managing and maintaining Db2 while increasing productivity. Automate routine administrative tasks while keeping complete control of the database environment. Use advanced analysis and take corrective actions that keep Db2 databases performing optimally. Improve performance, reduce CPU usage and cost and minimize outages with reliable backup and recovery procedures.

DevOps

Code4z

Market-leading DevX for z/OS applications that reduces friction and keeps developers in the flow state, driving velocity, quality and agility. Code4z's familiar VS Code interface fosters collaboration across mainframe and distributed teams. It streamlines critical developer workflows: extensive Z language support with integrations to Endevor and Git; improved quality with seamless debugging, unit testing and abend analysis; rapid development of hybrid integrations to meet business demands.

Endevor

With a rich tradition of R&D investment and market leadership, Endevor is the strategic foundation for mainframe software delivery. By enabling the adoption of Git, via Endevor Bridge for Git and Team Build, as well as VS Code and DevOps toolchains, Endevor offers a risk-managed, innovate-in-place approach to modernization. It empowers the next generation of talent to work side-by-side with career mainframers, each using their tools of choice.

Education, Skills and Training

Beyond Code Program

Enterprise challenges aren't always technology-related. The Beyond Code Program provides assistance in critical areas to ensure you achieve maximum value from your IT investments. Our Beyond Code Program includes partnership offerings that deliver the value you need to overcome barriers and advance your success with the mainframe through skills building, education and staffing, cloud-like pricing models, white-glove support and more.

Storage

Flexible Storage Suite

Protect, archive and restore your critical mainframe data as part of your overall hybrid IT strategy. Modernize your data storage to be flexible, secure and cost-effective. Take advantage of centralized monitoring and automation tools to reduce costs and increase productivity. The suite provides solutions to help your storage administrators implement the right mainframe data storage strategy to maximize your investment while reducing their workload.

3 Reasons Why Mainframes Are Resurging

For decades, the mainframe was routinely taken for granted as it quietly powered much of the world's high-transactional data behind the scenes. The prevailing narrative suggested that distributed systems, client-server architectures, and later, the public cloud, would render these powerful machines obsolete. Yet, an undeniable resurgence is now underway. The mainframe, far from fading into obscurity, is proving its enduring value and remarkable adaptability in ways that many previously refused to recognize.

Here is why:

1. MODERN INTEGRATION WITH HYBRID CLOUDS

The mainframe's seamless integration with hybrid cloud environments stands as a cornerstone of its resurgence. Organizations are actively seeking ways to enhance their mainframes by combining them with public and private cloud environments to form new, cohesive computational models.

And these systems are no longer merely being maintained; they are actively evolving, and platform use continues to expand among top business performers:

Compared to average performing organizations, the absolute best-in-class organizations use an overall IT mix with
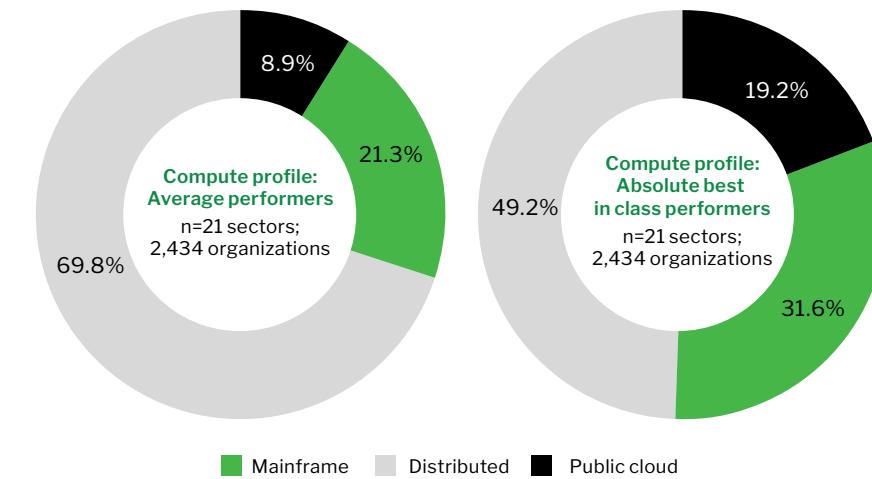
approximately 10% more public cloud, 10% more mainframe, and 20% less distributed compute power.[1]

2. AI-DRIVEN INSIGHTS, UNMATCHED SECURITY AND RESILIENCY

Mainframes are no longer confined to merely processing transactions; they are rapidly evolving into powerful engines for AI and machine learning (ML). Nearly 80% of companies deem mainframes essential for AI-driven innovation and predictive analytics. Modern mainframes are using AI/ML for real-time fraud detection, enhanced cybersecurity, and more valuable data insights than ever before.

Compute profile: Average performers
n=21 sectors; 2,434 organizations
8.9% — 21.3% — 69.8%

Compute profile: Absolute best in class performers
n=21 sectors; 2,434 organizations
19.2% — 31.6% — 49.2%

Mainframe ■ Distributed ■ Public cloud

3. TOTAL OR "TRUE" COST OF OWNERSHIP

The long-term operational cost advantage of mainframes—especially in areas like software licensing and ongoing maintenance at enterprise scale—is a critical, though often overlooked factor behind their resurgence. Financial analyses show that while initial hardware investments may be slightly higher, the savings in software licensing and maintenance are significant. For example, over a five-year period, software licensing might total $1.8 million for a distributed server farm versus just $0.41 million for a mainframe.[2] For mission-critical workloads, that translates to a consistently superior total cost of ownership.

And the efficiency story does not end there. Even with the continued rise of public cloud and distributed servers, mainframes still process up to 74% of the world's transactional workloads—a 2% increase from last year—while accounting for only 8%[2] of total IT spend. How's that for an economic advantage?

Technology Asset Class	% of World's Transaction Workloads	% of Total Cost
Public cloud*	4%	15%
Distributed servers	11%	62%
Private cloud	2%	3%
Mainframes	74%	8%
Other	9%	12%

* includes cloud service provider charges and in-house costs

THE FUTURE IS MAINFRAME

Simply put, the resurgence of the mainframe is a big business reality. It underscores a pragmatic approach to enterprise IT, where the most robust, secure and scalable platform continues to serve as the foundation for the world's most demanding industries, from finance and government to retail and healthcare. Today's "big iron" is no longer overlooked; it is upheld as an indispensable, evolving, and future-ready powerhouse in our booming digital economy. ▪

[1] Rubin Worldwide Technology, "Technology Investment Analysis." August 2025, page 12.
[2] Ibid, page 15.

MICHAEL DICKSON
HEAD OF BRAND AND PRODUCT MARKETING

Michael Dickson brings 20+ years of leadership across technology marketing and offering management. An innovator at heart, he specializes in the intersection of enterprise systems, Software-as-a-Service and advanced tech markets. Michael is a frequent contributor to industry thought leadership.

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CM First builds the most reliable, rapid and cost-effective software tools to optimize and transform enterprise applications. CM First products and services empower developers of IBM mainframe and midrange applications to advance their legacy code in the new digital economy, focusing on custom applications written in COBOL, RPG, Java, CA 2E (Synon), CA Plex, LANSA and other languages. CM First has served the IBM i and IBM Z communities since 1999 and is headquartered in Austin, Texas, with additional offices in Europe.

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ColeSoft produces the world's most versatile suite of debugging tools for IBM mainframes.

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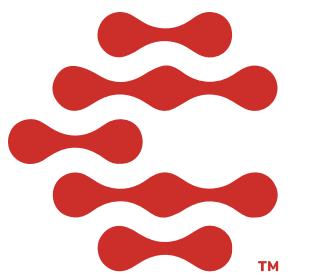
Application Modernization

CM evolveIT metaTX-AI for IBM Z

CM evolveIT-MetaTX-AI is an innovative enterprise code analysis workbench for IBM mainframe developers and systems integrators. CM evolveIT metaTX-AI adds powerful transformative capabilities with tools that automate the conversion of legacy code to Java, and employs modern artificial intelligence tools, advanced code slicing technology, best-of-breed code visualizations and analytics to reduce analysis costs by up to 80%.

Managed Application Services

CM First's Managed Application Services (MAS) help organizations manage, enhance and maintain custom enterprise applications as an extension of your dev team, over the full lifecycle. Available worldwide and covers operational guidance, software development, version uplift consulting, platform migration, performance tuning, capacity planning and even informal staff knowledge transfer.

Application Development

z/XDC

Clarity Is Your Competitive Advantage

ColeSoft software makes z/OS-based assembler, C/C++, Metal C and COBOL programs easier to work with and understand, improving time-to-market and code quality across the board.

Software bugs can extend development timelines, undermine user trust and lead to cost overruns. ColeSoft's debugging tools are purpose-built for mainframe development, reducing time to resolution by up to 45%. Our dedicated solutions—whether for comprehensive application debugging, specialized C/C++ development, precise assembler analysis or our robust core engine—empower teams to resolve issues early and deliver reliable applications faster.

Modernize With Confidence

You can't modernize what you don't understand. We surface the usage patterns, dead code and hidden dependencies that determine your future architecture. The result? Successful modernization projects that don't break the business.

Visibility Is Power

We give developers deep, precise, real-time insight into how their applications behave—line by line, moment by moment. No more assumptions. No more black boxes. You see how it executes. You know where to fortify. Your business just got more resilient.

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Z/XDC doesn't replace your instincts. It supercharges them with truth, transparency and control. Because great businesses deliver innovation. And innovation requires great tools.

CPT Global empowers Fortune 1000 companies to tackle complex IT challenges and drive transformative results. With over 30 years as a trusted global technology partner, we specialize in uncovering savings, mitigating risks and maximizing the value of technology investments.

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Don't let untested areas put your software at risk. Our Mainframe Test Coverage service identifies gaps, prioritizes high-risk zones and optimizes your testing strategy, validating all software and infrastructure upgrades.

From program modules to SQLs and batch jobs, we ensure every critical component is covered. With detailed reports and actionable insights, we help you reduce risks, deliver faster and build reliable, defect-free software that keeps your business running smoothly.

IT Infrastructure

Mainframe Software Rationalization

Cut the clutter and boost performance with CPT Global's Mainframe Software Rationalization services. Our experts identify redundancies, optimize licensing and consolidate tools to simplify your portfolio. The result? Lower costs, better performance and easier management.

We work with you to modernize your software environment, improve resource use and ensure your mainframe is ready to support your business as it grows and evolves.

Managed Service Providers

Mainframe Optimization and Cost Reduction Services

Your mainframe should be a competitive advantage, not a cost burden. CPT's Mainframe Optimization service transforms your system by cutting operational costs, boosting performance and futureproofing your infrastructure.

Our experts modernize code, optimize workloads and fine-tune systems to deliver measurable results: faster time to market, greater agility and real savings. With our "Risk Reward" pricing model, we share the project risk, ensuring you see real savings and tangible business outcomes.

Modernization

Mainframe Modernization Services

CPT Global's Mainframe Modernization services are designed to upgrade your legacy systems with minimal risk and disruption. Our experts integrate modern technologies, optimize software and ensure data integrity to deliver better performance, cost savings and compliance.

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Performance and Capacity Planning

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At CPT Global, we make your IT systems work smarter, not harder. Our Midrange Cloud Optimization services improve performance, cut costs and scale effortlessly to meet your needs. We eliminate inefficiencies, modernize infrastructure and automate processes to keep your business agile and competitive.

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Security

Mainframe Security Services

CPT Global's Mainframe Security services safeguard your most critical data and systems with expert-led assessments, advanced threat detection and robust access controls. We help you stay compliant with regulations like HIPAA, PCI DSS and GDPR, reducing the risk of penalties while strengthening customer trust.

Backed by proven strategies and deep expertise—including the architect of ACF2—our experts help your business minimize vulnerabilities, protect data integrity and ensure business continuity.

TechChannel

With robust data management and data masking features, DataVantage software minimizes exposure of sensitive data. Explore how DataVantage software can transform data management, compliance and testing. DataVantage software provides foundational support of AI applications.

DataVantage products include:

- DataVantage Data Management: supports IMS databases, Db2 databases and flat files
- DataVantage Data Masking Express: mainframe data masking
- DataVantage Global: mask distributed relational databases

• **datavantage.com** • info@datavantage.com • 631-778-8778

Dino-Software develops z/OS enterprise solutions for optimizing complex IT environments and z/OS storage management. In 2002, it released its vanguard product, T-REX and quickly established itself as a specialist within the z/OS mainframe technology space. Products address ICF catalogs, z/OS storage management, VSAM record management and disaster recovery. Dino-Software engineers have authored more than 25 products that have saved clients hundreds of millions of dollars in lost revenue. Dino-Software technology has prevented many Fortune 500 company meltdowns.

• **dino-software.com** • sales@dino-software.com • 703-768-2610

Data Management

DataVantage Data Management

DataVantage Data Management delivers three powerful data management tools—DataVantage for IMS, DataVantage for Db2 and DataVantage for VSAM, enabling efficient browsing, editing, sub-setting and copying of data. Its advanced data masking features create production-like data sets, ensuring compliance with corporate policies and government regulations. Designed to enhance security and streamline workflows, it minimizes risks and supports faster innovation. DataVantage Data Management offers an affordable solution for organizations seeking secure, compliant and efficient data management.

Data Masking

DataVantage DME

DataVantage DME Data Masking Express is an affordable z/OS software solution designed for masking Db2, IMS and VSAM data. It creates production-like, non-production datasets while seamlessly integrating with existing data management tools. Its CPU-based annual subscriptions include installation, training and support, offering flat pricing regardless of processing capacity. Ideal for enhancing data security and compliance, this solution delivers value and efficiency for organizations seeking reliable non-production data management at a competitive price.

DataVantage Global

DataVantage Global is an affordable enterprise data management and masking solution for distributed platforms utilizing relational databases. It generates production-like data for non-production purposes, including DevOps, data analytics and data sharing. With repeatable, irreversible proprietary masking and de-identification functionality, DataVantage Global ensures secure and compliant data handling. Ideal for organizations seeking robust data security and versatility, demonstrations of this powerful software are available upon request.

Performance and Capacity Planning

VELOCI-Raptor (VR)

VELOCI-Raptor (VR) is an intelligent, intuitive performance VSAM optimization tool designed to dramatically improve system batch and significantly reduce system overhead by automating tuning activities. VR assists IT departments in meeting increased service level demands and helping manage growing workloads. Conversion Assist available for effortless migration.

Tools and Utilities

T-REX

T-REX is a mainframe utility to analyze, diagnose, reorganize while open, report, back up and repair clusters and ICF components in a z/OS environment. T-REX was built from the ground-up to incorporate the latest features and functions, making it a superior alternative to the collection of old technology in this area. GUI optionally available.

Universal Data Manager (UDM)

Universal Data Manager (UDM) provides enterprise-wide z/OS storage management for DASD, DFSMShsm, CA Disk, tape robots and catalogs, ICF catalogs, spool data and related objects with real-time monitoring, policy-based automation, powerful message trapping, alerts, cutting-edge technology, drill-down explorers, easy install, a GUI—and no distributed servers required.
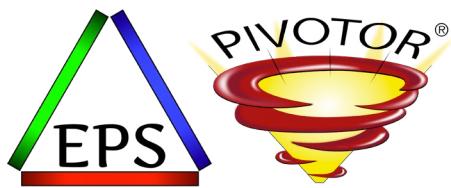
Enterprise Performance Strategies, led by Peter Enrico, has assisted hundreds of installations with their z/OS performance needs. Our services include z/OS performance education, consulting services and our premier z/OS SMF performance reporting software, Pivotor. We specialize in extending our expertise to ensure that your workloads are meeting their performance objectives while resource usage is optimized. We also work to ensure your mainframe environment is running as efficiently as possible.

• **epstrategies.com** • peter.enrico@epstrategies.com • 813-435-2297

Performance and Capacity Planning

Pivotor Free Cursory Performance Review

Peter Enrico and Scott Chapman offer a 60- to 90-minute complimentary z/OS performance discussion and data review. Prior to the review, we will request a set of raw SMF data. Once received, we will do a preliminary analysis of your data, after which we will schedule the review to discuss the data and answer questions to address concerns. After the discussion, you will have access to all reports provided by Pivotor, our z/OS performance reporting solution.

Services Consulting

z/OS Performance Health Check War Rooms and Performance Education Workshops

Peter Enrico and Scott Chapman offer z/OS performance analysis workshops and consulting "War Rooms" to provide in-depth z/OS performance reviews, analyses, discussions, education and a post-session call to discuss your environment and recommended changes. Prior to our workshop, you send us your SMF data and during the workshop you will perform z/OS performance analysis. Our War Rooms are interactive, on-site or virtual, and include a preliminary analysis of your performance and a follow-up call to review the effects of any implemented changes.

Tools and Utilities

Pivotor z/OS Performance Reporting

In contrast to other z/OS SMF data reporting products, Pivotor z/OS performance reporting has the embedded expert knowledge and actual intelligence to help with the optimization of your environment. Some of Pivotor's core architectural features are exception analysis, drill down by association, long-term reporting and data aggregation, short-term reporting and high-frequency analysis. We also have built-in "playlist" analysis, custom reporting capabilities and regular access to our team of performance experts.

Meeting the AI Crazy Train Head-on

This year marks my 41st year working in the mainframe industry. My career has centered on mainframe computer measurement, analysis, workload tuning, resource optimization and capacity planning. Today, as independent vendors, my colleague Scott Chapman and I work to educate computer professionals to do what we do. Our PivotorPerformance Reporting software focuses on helping users to better understand the performance of their environments while simultaneously educating them on maintaining optimal mainframe performance.

I am telling you all this is to express my appreciation for having been able to devote my career to such an interesting, important, and worthy mainframe discipline. I consider myself fortunate to have had a front row seat to both watch and participate in the maturity of the mainframe industry.

Like everyone reading this, I am preparing for the oncoming AI revolution that promises to have huge implications for all computer professionals. Scott and I have been thinking a great deal about AI and have taken steps to incorporate some level of AI into Pivotor. At EPS, we are looking for ways to take advantage of the advances in AI. We are working hard to prepare both our current and prospective customers. Our semi-regular educational webinars are a prime example of our mission to foster knowledge transfer to customer base.

AI is going to be a crazy train that comes barreling down the tracks of the mainframe industry. AI is a disruptor, and we want our clients to be prepared. You can either get out of AI's way, you can ride the train or you can meet it head-on. We believe in meeting it head-on. That is, we suggest you learn how to benefit from AI but also ensure you do not find yourself out of a career. Many of the young people reading this may not have the 40-year mainframe career I have had, but there will be some wonderful opportunities to come.

We here at EPS strongly suggest you meet this AI train head-on, too. Let us educate you so you can arm yourself with *Actual Intelligence*. Doing so will ensure your career complements an AI world. Our goal is for you to have long-distinguished mainframe careers and not just be gear oilers of this oncoming crazy train. ▪

PETER ENRICO
FOUNDER

Founder of EPS and co-creator of Pivotor, Peter Enrico brings a wealth of knowledge gained from his years working at IBM on the design and development of WLM and RMF as well as his years of experience helping customers solve their z/OS performance problems.

Enterprise Systems Associates Inc. (ESAi) has tools for database productivity, enterprise-wide test data management, performance, audit and security for mainframe and distributed systems. Our mission is to help IT get the job done, maintain service-level agreements and realize operational savings. Qualified database and IT staff resources are in short supply and workloads are increasing. Our innovative solutions help you meet this challenge through automation as well as optimizing workloads, cost, machine and staff efforts.

• **esaigroup.com** • info@esaigroup.com • 866-464-ESAi

Database

DBARS

Database access monitoring approaches in vogue miss reporting accesses to sensitive data and hacker breaches. DBARS's unique and efficient intercept-based technology for Db2 database auditing and protection overcomes these deficiencies. Its real-time database access monitoring and reporting technology implements powerful auditing, alerting and blocking capabilities with minimal overhead. Costly Db2 audit tracing and/or log processing are made obsolete. This provides a more powerful, timely, cost-efficient way to audit and protect data from being breached.

XDM/BCV5

XDM/BCV5 enables you to find and order the data that fits your needs, manage data across different environments and automatically deliver data to where it's needed. This comprehensive test data management solution facilitates data masking, data refreshing, cloning and efficient data provisioning. It supports Db2 z/OS, Db2 LUW, Oracle, MS-SQL, PostgreSQL, VSAM, IMS, cloud, DevOps and more. The XDM/BCV5 suite enables developers, DBAs, test/QA and general IT staff to tackle daily challenges with flexible, repeatable, error-free processes.

Performance and Capacity Planning

BPA4DB2/SQLQC

BPA4DB2/SQLQC is a buffer pool advisor and SQL performance/tuning solution for Db2 for z/OS. It replaces old, dated vendor solutions with a new level of expert analysis. It easily identifies, recommends and performs ongoing monitoring and alerting to ensure optimum performance and responsive Db2 systems. The SQLQC component identifies and analyzes problem SQL from mainframe or distributed systems, and offers actions for improvement, simulation and overall performance advice. BPA4DB2/SQLQC offers modern, powerful analysis with low overhead and low trace data volume. Partners include authors UBSHainer, GmbH and SPR.

TechChannel

FISCHER International Systems Corporation

For more than 40 years, Fischer International Systems Corporation has been committed to developing innovative software solutions that maximize the value of mainframes within enterprises. Fischer's Interactive Output Facility (IOF) accelerates time to productivity by offering strategic diagnostics and effective problem resolution. Through a strategic partnership with Log-On, Fischer also provides maintenance and support for QuickSelect for Db2.

• **fisc.com** • information@fischerinternational.com • 239-643-1500

Security

Identity and Access Management (IAM)

Fischer Identity's comprehensive identity solutions are built on the principles of zero trust, ensuring complete control over every aspect of identity for a more secure organization. Our solutions include automated provisioning, identity governance, password management and access management. Simple no-code Identity and Access Management solutions for the modern enterprise in the cloud.

Systems Management

IBM Z System Batch Job Management

Greater JES2 management diagnostic tools for daily operation allow IOF to provide detail for fast bottom-line problem resolution. IOF accelerates time to productivity with an intuitive interface and online help feature to expand functions.

In addition to all standard JES2 management features, the powerful executive job summary provides a comprehensive view of job information on one screen, including a return code and a menu of its sysout data sets.

Maximize productivity with:

• IOFSEND: A unique standard feature that automatically converts batch job output into HTML and emails it for easy filing on your PC.
• The ZF command: Allows users to browse an entire PDS as a flat file. Scan for strings in a PDS using a revolutionary new approach unique to IOF.
• JobFind (JF): Allows users to browse all the jobs in the job list.
• Flexible command response: Allows the user to apply knowledge of another product's commands in IOF with a minimal learning curve for users of other JES2 products.

Fischer provides IOF training at www.fisc.com/support/ioffunctionality, or contact IOFTech@FischerInternational.com for IOF support.

GLOBAL TECHNOLOGY SOLUTIONS GROUP

Building on 38 years of services excellence, GTSG has been named as an Honorable Mention in the 2025 Gartner Magic Quadrant for Data Center Outsourcing Services, as well as a Representative Vendor in the 2024 Gartner Market Guide for Mainframe and Legacy System Professional and Managed Services. We have proudly supported hundreds of mainframe environments with unparalleled technical expertise and a steadfast commitment to client success—just ask our references.

• **GTSGservices.net** • mainframe@GTSG.com • 877-467-9885

Services Consulting

ISV Migration

Threatened by unbudgeted software cost increases at renewal time? Beyond price, we must consider migration costs, learning curves and the organizational commitment required by the extensive reach of the software. GTSG supports your evaluation and then ensures a seamless, nondisruptive migration, protecting your operations every step of the way. No one should have to renew under pressure a second time.

Performance and Workload Management

As experienced mainframe talent becomes harder to find, maintaining the critical discipline of mainframe performance and capacity management is increasingly difficult. GTSG leverages a blend of performance, workload and capacity management strategies to help clients optimize their systems, avoid unnecessary upgrades, meet SLAs or even downsize processors in sunset scenarios.

Revirtualization

Unsustainable changes in virtualization software licensing are driving many IT leaders to reconsider where and how their workloads should run. GTSG helps organizations evaluate alternatives, build a fit-for-purpose strategy and migrate selected workloads with minimal disruption. The result is a right-sized environment that balances cost, resilience and long-term flexibility.

Managed Service Providers

Mainframe Managed Services

"Manage and optimize" versus "run and operate." You need a service provider dedicated to your success—not one driven by contract profit from day one. GTSG is committed to managing and optimizing your operations as if we were part of your team. Our flexible delivery model allows you to transition at your own pace, meeting you precisely at your point of need.

Kobee is a powerful DevOps solution tailored for complex enterprise environments, enabling IBM z/OS mainframe teams to modernize legacy systems, streamline CI/CD workflows and reduce operational costs.

Developed by IKAN Development, a company with decades of experience in enterprise software, Kobee brings deep industry expertise to its platform-independent framework. It automates development and deployment, enhances traceability and integrates seamlessly with modern tools—making mainframe agility a reality for today's digital demands.

• **www.kobee.io** • info@ikan.be • 321-523-8427

DevOps

DevOps for z/OS

Kobee is a DevOps automation platform purpose-built for z/OS, designed to replace legacy SCM systems with Git-based workflows and Agile development practices. It enables parallel development, simplifies configuration and supports modern IDEs like VS Code and Eclipse—allowing mainframe teams to adopt contemporary development models without sacrificing reliability or control.

Kobee is a full-featured CI/CD orchestration engine that automates build, deploy and release processes across distributed and mainframe environments. It uses JCL and/or IBM tools such as DBB, Wazi Deploy and Wazi aaS to automatically script compile and promote jobs, giving teams the flexibility to modernize and scale their DevOps practices.

With Kobee, enterprises can streamline delivery pipelines, improve collaboration and accelerate transformation—bringing mainframe agility in line with today's digital demands.

Technical Highlights

- CI/CD by design: Out-of-the-box automation for build, deploy (and rollback) and release
- Modular workflows: Reusable, customizable, model and parameter-driven workflow components (Phases).
- Toolchain orchestration: Integrates with Git, GitHub, GitLab, Jira, Azure DevOps and more
- Modern IDE support: Mainframe development using contemporary IDEs (Eclipse-based, IDZ, VS Code and Eclipse).
- Governance and compliancy: Builds trust, reduces risk and ensures accountability across processes
- Platform agnostic: Runs on Linux, Unix or Windows
- Security integration: Supports LDAP, Kerberos, Active Directory

A European player in the digital transformation of businesses, the Infotel group has been a primary contact for IT departments and key accounts for nearly 45 years. Infotel provides these clients with acknowledged expertise in the management and evolution of their IT assets. It also advises innovative businesses and services integrating digital technologies as well as Big Data and mobile expertise. Infotel also deploys a range of products for large servers in Europe, the U.S. and the rest of the world.

• **infotel-software.com** • software@infotel.com

Application Development

APT

Infotel's Application for Parallel Testing (APT) accelerates integration and acceptance testing on z/OS, empowering users to automate environment setup within an LPAR. APT enables parallel, iterative testing with smaller, more frequent cycles—minimizing test duration and reducing testing costs. Easily create, execute and reuse test configurations, building a library of assets that drive efficiency and speed time to market.

Application Modernization

DB/IQ

DB/IQ is a comprehensive software solution that automates quality control for Db2 SQL code for z/OS applications. By analyzing cost-saving opportunities through performance, maintainability and scalability assessments, DB/IQ ensures compliance with standards, detects problematic SQL and prevents service issues. This DevOps-friendly automation tool reduces DBA and developer workloads, lowers operational costs and enhances overall application service delivery.

Database

iDBA-Online

iDBA-Online leverages machine learning to automate database maintenance tasks, including backups, statistics updates and table and index reorganization. By integrating your SLAs, business requirements and cost analysis, iDBA-Online's intelligent algorithms optimize maintenance schedules in real time. Automated maintenance utilities lower operational costs by ensuring SLAs are consistently met and verifying that every task delivers a positive ROI, improving efficiency and maximizing value across your entire system.

Performance and Capacity Planning

InfoUnload

InfoUnload is a high-performance data unload tool for Db2 that streamlines mainframe modernization and cloud integration. By efficiently unloading data to multiple formats with parallel processing, InfoUnload minimizes I/O and CPU usage, accelerates migrations and simplifies data movement between traditional mainframe systems, hybrid environments and cloud platforms—supporting both Db2 and non-Db2 targets.

Log-On delivers innovative mainframe solutions for: Db2 utility job orchestration and optimization; instant Db2 SQL workload acceleration with no changes; software-only virtual tape storage utilizing object storage; Linux on z/VM administration and more. With 42 years of experience and over 1,000 employees worldwide, Log-On proudly serves leading organizations across all major industries. Mainframe is our business!

• log-on.com • ask@log-on.com • 603-458-5300

Application Development

Inspect-CPU for Real-Time CICS Application Performance Monitoring

Inspect-CPU (ICPU) is an advanced, real-time CICS performance solution that monitors application program activity, providing unique insights into performance characteristics. ICPU pinpoints lines of application code that trigger CPU spikes, offering new opportunities to reduce CPU usage and boost throughput. With less than 2% overhead, ICPU can monitor applications in production for extended periods to capture intermittent problems and provide an accurate view of program CPU utilization.

Communications and Connectivity

Log-On NV FTP—Support for IBM Netview FTP

IBM support for Netview FTP ended Nov. 30, 2022. Log-On NV FTP is a direct replacement utilizing the same code base. Log-On NV FTP offers continued support, maintenance and enhancements for IBM Netview FTP users. NV FTP is a solution for high-performance, reliable, efficient, secure bulk file transfer between z/OS systems. It offers direct fetch and store capability (i.e., no intermediate spooling), peer-to-peer operation, efficient data compression, checkpoint/restart support, file type conversion, end-to-end encryption and more.

Database

QuickSelect for Db2 Performance Acceleration

QuickSelect accelerates Db2 SQL workload performance by caching frequently requested query result sets in memory above the bar, eliminating time-consuming round trips to Db2. It transparently returns cached results up to 100x faster than Db2, even when Db2 data resides in buffer pools. QuickSelect's update sensitivity ensures data integrity. Best of all, QuickSelect is plug-and-play, requiring no changes to programs, databases or JCL.

Total Utility Control for Db2 Utility Orchestration

Executing Db2 utilities at the right time against your database objects is essential for optimal performance and availability. DBAs often lack time to monitor and fine-tune the timing and scope of utility execution. TUC solves this by providing a flexible, vendor-agnostic automation framework that continuously monitors object health to execute the right utility at the right time based on policies, thresholds and Db2 statistics—ensuring peak Db2 performance and availability.

IT Infrastructure

Log-On TVL Information Management and Log-On TVL Event Pump

Do you need continued support for IBM Tivoli Information Management or Event Pump? IBM support for both ended April 1, 2024. Log-On Information Management and Event Pump are direct replacements utilizing the same code bases. Log-On offers continued support, maintenance and enhancements to users of both products. Information Management provides centralized monitoring and management of system resources across mainframe environments. Event Pump collects and forwards system and application events to monitoring and management platforms for centralized event processing.

Linux on IBM Z

Log-On Wave for Linux on z/VM Administrator Productivity

Log-On Wave for IBM Z is a system management and productivity solution for virtualized Linux environments running on z/VM. With its powerful graphical user interface, Wave shields the Linux administrator from the complexity of z/VM, simplifying configuration, operation and management of Linux instances and resources. From intuitive screens, the admin easily manages complex IBM Z Linux infrastructures, automating repetitive tasks, responding faster to business requests and quickly addressing performance and operational issues.

Storage

VTFM-NewGen—Software-Only Virtual Tape System

VTFM-NewGen is a software-only virtual tape solution for z/OS that writes backups to virtual tape and moves copies of datasets to targets including object storage, public cloud and z/OS DASD. Running directly on z/OS and requiring no proprietary hardware, VTFM delivers bulletproof mainframe reliability and availability. VTFM installs with no changes to JCL and leverages your existing HSM and tape management software and policies. Just define VTFM to your tape management solution and VTFM seamlessly integrates with your existing processes.

TechChannel

MacKinney
Systems

Since 1980, MacKinney Systems has provided some of the most widely used z/OS and z/VSE tools in the mainframe industry. MacKinney Systems has developed tools used by Fortune 500 companies worldwide and has achieved global acceptance by providing the best price, performance and top-quality support.

• **mackinney.com** • sales@mackinney.com • 417-882-8012

Data Management

CICS File Availability, MacKinney Batch to CICS

CICS File Availability offers file backup and reorganization with concurrent update access in CICS, enabling you to approach 24-7 availability. After a CICS to batch file copy, any tasks accessing the file are suspended for the duration of the file rename. Users experience a slight delay during the rename instead of receiving file closed error messages. MacKinney Batch to CICS (MBC) allows you to control CICS resources from a batch. With more than 50 available commands, you can easily alter VSAM, RLS, the program, TranID and TDQ resources. Complete audit trails and total security make MBC a choice tool for Fortune 500 companies. An optional new MBC feature (MBC/FA) includes suspending and resuming logic to prevent users from seeing error messages when a file is closed.

CICS/MAPR II, Easy Help for CICS, CICS/Forward Recovery

Features include:

- CICS/MAPR II: Create or modify CICS screens fast and easily
- Easy Help for CICS: Easy-to-implement interactive help without program changes
- CICS/Forward Recovery: Quickly recovers corrupted or lost CICS VSAM files

ISPF/VSAM Utility and VSAM AdminAid

The ISPF/VSAM Utility provides online access to the most used VSAM functions, typically performed with IDCAMS batch processing, including allocating (defining), renaming, copying and deleting VSAM files with no restrictions on LRECL or file size.

VSAM AdminAid aids in monitoring, tuning and reorganizing the production of VSAM files. VAA reduces online response times, batch windows, CPU cycles, DASD space usage and VSAM administration time.

Document Imaging

JES Queue for Printers, VTAM Virtual Printer, MacKinney Print Transform, VSE/Power Queue for Printers

MacKinney Systems offers cost-effective and secure printing solutions for mainframes. These printing solutions—including JES Queue for Printers, VTAM Virtual Printer, MacKinney Print Transform and VSE/Power Queue for Printers—deliver reports from the JES or VSE/Power spool to TCP/IP printers or print servers. Solimar and Xerox's LCDS interface is provided. Traditional CICS printing is captured and redirected to a TCP/IP printer. Advance Function Presentation transforms to PCL, PostScript or PDF are available.

JES Report Broker, JSF-Job and Syslog Facility

MacKinney Systems offers a cost-effective and secure document delivery and archival system for the mainframe. JES Report Broker delivers JES documents via a secure web browser, FTP or email with available AFP transforms to PCL, Postscript or PDF. JOB and Syslog Facility archives JES SYSLOG to the JSF database for ISPF viewing and other processing.

Systems Management

VTAM/Switch, Session-Manager/SWAP, Session-Manager/Menu

VTAM/Switch is a full-function multi-session VTAM manager. Session Manager for CICS/SWAP provides up to eight CICS terminal sessions, each with the ability to launch specific applications. Session Manager for CICS/Menu enables you to group users and provides menu access to CICS group-centric applications.

Test Data Management

TRACK, XRAY and Dump Detective

TRACK, XRAY and Dump Detective are MacKinney Systems' cost-effective mainframe application debugging and analysis tools for z/OS and z/VSE environments. These tools provide application developers with an interactive source-level debugging session for Assembler, COBOL and PL/1 programs. They enable fast and effective development, testing and maintenance for CICS and batch programs.

MainTegrity Inc. delivers the Cyber Security Framework (CSF) for IBM z/OS mainframes, stopping attacks in milliseconds while eliminating false positives. Our integrated solution includes FIM+ for file integrity monitoring, Early Warning for 24-7 threat suspension, Data Exfiltration Detection and Recovery Assistant for surgical restoration.

- **maintegrity.com** • expert@maintegrity.com • 720-245-2246

NewEra Software, Inc. was founded in 1990 with the specific goal of developing leading-edge mainframe integrity tools for z/OS environments. Today, their AI-infused ICE suite includes image inspection, control-editing and recovery modules, enabling validation, anomaly detection, change tracking and compliance enforcement. NewEra Software has become an industry leader and has set the standard for repair, data erasure, continuous backups and mainframe resiliency. All of these ensure the ongoing integrity of critical production mainframes worldwide.

- **newera.com** • info@newera.com • 800-421-5035

Cybersecurity

Early Warning System

Early Warning provides continuous 24-7 monitoring of 40+ attack vectors with revolutionary millisecond threat suspension. Instantly freezes malicious activity—ransomware, privilege escalation, reconnaissance—while preserving legitimate operations. Unique "suspend and investigate" capability gives security teams time to respond without damage occurring. Reduces alert fatigue with <5% false positives through intelligent whitelisting. Minimal performance impact (~110 instructions every two seconds). Provides the "gift of time" by stopping attacks before encryption or exfiltration begins.

MainTegrity CSF

MainTegrity CSF provides end-to-end mainframe protection with millisecond threat response and <5% false positives. Includes FIM+ for unauthorized change detection, Early Warning for continuous monitoring and instant threat suspension, Data Exfiltration Detection to prevent data theft and Recovery Assistant for surgical component restoration. Meets PCI DSS, NIST, DORA compliance requirements. Native z/OS solution with modern GUI, integrates seamlessly with ServiceNow, Splunk, QRadar, BMC. Prevents $15M+ average breach costs with proven 1,800% ROI.

Compliance

FIM+ (File Integrity Monitoring Plus)

FIM+ provides real-time file integrity monitoring for IBM z/OS using cryptographic hash keys to detect any unauthorized changes. Required for PCI DSS 10.5/11.5 and NIST compliance, FIM+ eliminates 95% of false positives through intelligent whitelisting that learns authorized changes. Monitors system datasets, applications and parameters with forensic-level audit trails. Integrates with SIEM platforms, provides instant alerts and enables precise identification of compromised components. Foundation technology for surgical recovery and compliance reporting.

Systems Management

Image FOCUS (IFO)

Image FOCUS delivers comprehensive image inspections of z/OS, dynamically building a virtual IPL environment that validates system parameters, data set integrity, referential integrity, PARMLIB syntax and much more while identifying potential IPL risks. Features such as Sysplex Inspection, Automated Change Detection, New Release Analysis and Dynamic Change Detection strengthen readiness and simplify upgrades. Now enhanced with AI, it uncovers hidden risks, highlights configuration insights and provides intelligent recommendations, helping teams detect issues earlier, optimize planning and maintain long-term operational integrity with confidence.

The Control Editor (TCE)

The Control Editor (TCE) is an AI-infused mainframe utility that manages and enforces system controls across z/OS. It allows teams to view, edit and validate the backup of critical configuration components PARMLIB members, PROCLIBs and system configuration data with precision and consistency. With automated change tracking and compliance awareness, TCE reduces risk and ensures policy adherence. Its 3270 and web interfaces simplify management, improve audit readiness and strengthen system security. As an enhancement to RACF, it enforces micro-segmentation essential to Zero Trust.

IPLCheck/AI

IPLCheck/AI is Image FOCUS running directly under the IBM Health Checker. It performs full inspections, detects Health Check exceptions and identifies dynamic configuration changes such as in-memory parameters that differ from prior IPL parameters. Results are delivered as real-time alerts or interval reports, accessible through 3270 and/or web interfaces. With AI-enhanced analysis, IPLCheck/AI uncovers hidden risks, improves compliance awareness and strengthens the integrity and resiliency of your z/OS environment. Alerts route to ServiceNow or are sent via FTP.

TechChannel

Phoenix Software International provides cutting-edge enterprise software solutions to organizations around the globe.

Today's IBM Z mainframe leverages the latest technology, and so do our solutions. Whether you want to stay on JES3, manage your JESplex, analyze your applications or manage your data, we have a solution for you.

• **phoenixsoftware.com** • info@phoenixsoftware.com • 310-338-0400

For over 30 years, ProTech has been a trusted partner to Fortune 500 companies and organizations worldwide, delivering mainframe training and consulting that strengthen IT teams. ProTech offers 3,000+ expert-led courses and tailored consulting services to help organizations modernize, optimize, and innovate across mainframe, DevOps, cloud and AI, with deep expertise in z/OS and beyond.

• **protechtraining.com** • info@protechtraining.com • 800-373-9188

Systems Management

(E)JES

(E)JES is a modern tool for managing your z/OS JESplex. (E)JES includes cutting-edge components such as a browser-based interface, Zowe conformant API, CLI, App Framework Desktop App and guided z/OSMF installation.

JES3^{plus}

JES3plus is a licensed, derivative work based on IBM's z/OS JES3 source code. Created with customers in mind, JES3plus provides existing JES3 customers a common-sense alternative to a costly and potentially risky JES2 conversion. Customer implementation consists of a straightforward migration to a fully supported product that includes a roadmap for future enhancements, has no planned end-of-life and incurs no additional licensing costs. It leverages the power, reliability and stability of IBM Z while providing full investment protection for the money, time and effort invested in building a business around JES3 features and functions.

PHX-BDT

Phoenix Bulk Data Transfer (PHX-BDT) is comprised of derivative versions of the BDT components, file-to-file (FTF) and system network architecture (SNA) network job entry (NJE). These offerings will allow existing BDT customers to continue their critical data transferring operations without disruption.

IT Infrastructure

ProTech Enterprise IT Training

ProTech offers expert-led training for IT professionals working across enterprise environments, including z/OS, Linux on IBM Z, z/VSE, z/VM and Windows. Our instructor-led and custom virtual courses cover mainframe administration, systems management, automation, cloud integration, security and performance optimization. With decades of experience supporting mission-critical infrastructures, ProTech emphasizes hands-on skills and real-world problem-solving, equipping technical teams to manage legacy systems, embrace modernization and ensure peak performance across diverse and complex operating environments.

Education, Skills and Training

Instructor-led Training & Custom Training Solutions

ProTech specializes in both live and virtual instructor-led training (VILT) and customized learning programs designed for enterprise IT teams. Our 3,000+ courses span mainframe, DevOps, Cloud, AI and open-source technologies, all taught by expert practitioners who bring real-world experience to every session. We partner with organizations to tailor content, delivery and pacing to their unique needs—whether through private classes, blended formats or on-demand options—ensuring teams gain the practical skills required to modernize and excel in today's IT landscape.

Services Consulting

Mainframe Consulting & Software

ProTech Enterprise IT Training & Consulting combines deep expertise with innovative software to optimize enterprise systems and large-scale data centers. Our consultants have led IT service management, AIOps and automation initiatives while providing mentoring and staff augmentation across 15 practice areas. Building on this experience, ProTech delivers software solutions designed from real-world consulting work—helping organizations streamline operations, automate policies and gain actionable insights to manage the world's most complex IT infrastructures.

TechChannel

rvs-systems GmbH, founded in 2008, is a dedicated team of passionate "Mainframers." We seek innovative solutions for integrating mainframe-based business processes and data into the open world. Newcomers or veterans with over 30 years of experience, our team shares a strong commitment driven by both expertise and heart.

Since 2013, we have specialized in supporting and developing third-party products and creating our software. Our deep knowledge of the z/OS system and curiosity about open systems have helped us build a loyal customer base in hosting and automotive industries. We developed our unique product, the zKafka Connector, which bridges the mainframe with any open world Kafka installation.

At rvs-systems GmbH, we combine seasoned experience with innovative thinking to deliver outstanding mainframe solutions to our clients.

• **rvs-systems.com** • info@rvs-systems.com • +49 173 3513858

Application Modernization

zKafka Connector

The zKafka Connector (RzK) and API is a "warp-speed" solution for z/OS to Kafka integration. It enables direct, fast data exchange with Kafka clusters—producing and consuming out of z/OS applications—without additional middleware or components. RzK supports nearly any language: COBOL, Assembler, REXX, PL/1, Python, Java and more. For complex workflows, RzK offers Kafka transactions and batching, optimizing intricate operations.

It features state-of-the-art security with TLS encryption, minimal CPU and storage usage. Usable with TSO, Batch, CICS, IMS, NAT and NAT RPC.

Designed for ease of use, RzK installs "out-of-the-box," requiring no programming. RZKCOPY or the CLI allow an instant "produce." Pre-built examples facilitate quick deployment.

Kafka topic and group administration is possible through an API. Error handling and performance tuning options enhance reliability and efficiency, making RzK a perfect bridge between the mainframe and Kafka.

SMT Data empowers enterprises to optimize their IT infrastructure by transforming complex usage and cost data into actionable insights. Our IT Business Intelligence (ITBI) platform and expert consulting services help organizations reduce costs, improve performance and make smarter decisions across mainframe, server and cloud environments. With decades of experience and global clients across industries, SMT Data turns IT data into business value.

• **smtdata.com** • info@smtdata.com • 453-962-8887

Business Intelligence/Analytics

ITBI

ITBI transforms complex IT data into actionable insights, empowering enterprises to optimize performance, reduce costs and align IT resources with business priorities. By bringing clarity to mainframe, server and cloud environments, the platform helps organizations make faster, smarter decisions backed by data. Trusted by leading companies worldwide, ITBI delivers transparency and control, turning raw IT information into measurable business value and supporting long-term digital transformation and operational excellence.

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A SOFTWARE GMBH BRAND

Trusted by leading brands for over 55 years, Software AG is a pioneer in software innovation with a deep understanding of its value to enterprises. Businesses and governments around the globe depend on mission-critical applications built on the Adabas & Natural development platform. These applications are optimized to meet the most demanding operational SLAs and deliver a unique competitive advantage. By providing data access and connectivity to new apps, cloud databases, analytic platforms, AI and emerging technologies, Software AG helps you accelerate innovation by building on what works.

• **softwareag.com** • adabas.natural@softwareag.com

Application Development

Natural

Natural is the programming language used by the world's largest companies and governments to create modern enterprise applications on IBM z/OS, Linux and the cloud. It is so easy to learn that developers can be productive in a matter of days. With the NaturalONE Eclipse-based IDE, you can increase developer productivity, accelerate modernization and participate in DevOps lifecycle and toolchains.

COBOL

JOPAZ

Optimize COBOL batch workloads to free up capacity for new and latent workloads without rewriting applications, migrating data or disrupting business processes. JOPAZ redistributes workloads while preserving the stability of your mission-critical applications. Keep what works. Build what's next.

Database

Adabas

Adabas is a high-performance database that supports large-scale transaction processing of data on IBM z/OS, Linux and the cloud. Adabas can store multiple data relationships in the same table, eliminating data redundancies found in RDBMS. You can easily access Adabas data with SQL, replicate data to cloud databases and BI platforms, and scale workload while realizing exceptional transaction speed, availability and scalability at a manageable cost.

Data Management

CONNX

With CONNX, you can easily access, virtualize and move your data—wherever it is, however it's structured—to power new apps, analytics, AI and hybrid cloud. CONNX uniquely provides standard SQL data access to non-relational data sources (e.g., VSAM, IMS, Adabas) in just minutes—without impacting mainframe performance. With access to 150+ data sources and destinations, CONNX can also synchronize data between on-prem and cloud at a low TCO.

Modernization in Place: Protect What Works, Prepare for What's Next

AI, hybrid cloud, event streaming, digital transformation, you name it—the future of IT is exciting. But it is also disruptive. How do you make time to innovate and invest in what's next while keeping your core business—dependent on unique mainframe applications—on track? Especially in the face of rising costs, skill shortages, capacity constraints and demands for digital-first services and AI-driven insights.

The challenge isn't whether to modernize—it's how to do so. Rewrites and migration projects have proven to be a bad choice with cost overruns, missed deadlines, business disruption and loss of decades of differentiating business logic. The smarter path is modernization in place: building on what works to prepare your business for what's next.

For starters, **keep your COBOL and Natural applications on the IBM Z mainframe.** Honestly, you know there is nothing else that matches the reliability, security and performance characteristics required to run your mission-critical applications. Next, tackle your greatest pain points with these low-risk strategies that won't disrupt your business.

Optimize performance through efficient workload distribution. Your applications are processing ever-increasing workloads, pushing the general processor to maximum capacity. By redistributing workload from the general processor to IBM zIIP™, you can immediately free up capacity to implement new workloads, improve performance, and scale for growth.

Attract new talent by adopting modern development practices. You don't have to leave the mainframe to adopt DevOps and support modern integrated development environments such as Eclipse and Visual Studio Code. These capabilities plus AI-assisted development tools help attract new talent, improve application maintainability and bridge the knowledge gap between experienced and new developers.

Accelerate innovation in AI and digital through data and application interoperability. Your applications and data are much too valuable to take a backseat in the AI and digital revolution. Real-time data access, change data capture, secure APIs and messaging platform integration ensure your mainframe applications and data can easily contribute to innovation.

By executing these strategies, you can evolve your IBM Z applications with confidence. Modernization in place reduces risk, preserves business logic and delivers results faster. It helps you to meet today's challenges—from cost pressures to AI adoption—without sacrificing the reliability and security of the systems at the heart of your business. ▪

GUIDO FALKENBERG
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Guido Falkenberg is Senior Vice President of Product Management and has vast experience with legacy modernization, integration architectures and big data. Guido worked in R&D, in the CTO office and as an IT enterprise architect helping businesses align their core applications with innovative technologies.

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SEA™ | SOFTWARE ENGINEERING OF AMERICA

Established in 1982, Software Engineering of America (SEA) is a worldwide provider of IBM Z enterprise batch and DevOps tools, as well as report and output management solutions. SEA's customers include nine of the Fortune 10 and more than 90% of the Fortune 500.

SEA enables IBM Z modernization efforts including agile methods and DevOps practices. SEA provides solutions that cover all aspects of automation, optimization, batch performance, JCL management and Java batch processing, as well as report and output management.

• **seasoft.com** • info@seasoft.com • 516-328-7000

Systems Management

Total Report Management System (TRMS)

Total Report Management System (TRMS) enables the viewing, archiving, distribution and printing of reports and other IBM Z system production outputs. TRMS also enables indexing for searching across multiple reports for quick and easy access.

IBM Z reports can be accessed using Web UI, standard 3270 terminal interfaces and RESTful APIs. Reports can also be securely transformed into popular formats such as Excel, Word, PDF, HTML and plain text.

Tools and Utilities

JCL Batch Management Solution (JCLplus+)

JCLplus+ is a powerful, versatile JCL management solution that helps ensure your JCL is error-free and easy to maintain.

Its JCL syntax checking, advanced run-time validation, standards enforcement, change management integrations and reformatting capabilities help reduce spend, accelerate high-quality delivery and minimize lost production time.

Developers can perform JCL testing directly from Eclipse-based integrated development environments or Microsoft Visual Studio Code (VS Code). JCLplus+ also integrates with enterprise services including RESTful APIs, Java client CLI, Java batch and more.

Sysout/Syslog Accumulation Viewing & Retrieval Solution ($AVRS)

The Sysout/Syslog Accumulation Viewing & Retrieval Solution ($AVRS) is crucial for IBM Z system output management.

$AVRS compression, self-optimization and elastic services fully automate the collection, archiving, viewing and retrieval of job entry subsystem output—including JCL, SYSOUT, syslog and job logs. Advanced middleware also provides a bridge to integrate with other platform system logs.

$AVRS-accumulated reports can be accessed using standard IBM interfaces or modern interfaces such as Web UI and RESTful APIs.

TONE SOFTWARE™

Tone Software develops, markets and supports mainframe software that increases efficiency, reduces z/OS operational costs and increases the productivity of mainframe users and IT teams. Based in Orange, California, Tone Software is privately held and answers to customers, not shareholders.

Leveraging over 50 years of proven mainframe expertise, Tone Software actively participates in IBM PartnerWorld and ISV Early Test Programs, SHARE and other relevant industry organizations. Tone Software is committed to delivering quality software and exceptional customer service 24-7-365.

• **tonesoft.com/mainframe** • info@tonesoft.com • 714-991-9460

Systems Management

DYNA-STEP

DYNA-STEP dynamic STEPLIB allocation and ISPF library management reduces TSO overhead, system I/O, STEPLIB volume contention and LOGON PROC maintenance. Under TSO and ISPF, DYNA-STEP provides concurrent access to multiple product versions, ISPF libraries and Db2 subsystems to expedite testing, upgrades and system maintenance.

Transparently replace CBT STEPLIB shareware, legacy TSOPLUS and other unsupported tools with the fully supported z/OS-certified DYNA-STEP dynamic STEPLIB solution.

JES2Mail and JES2FTP

JES2Mail and JES2FTP enable z/OS shops to transform mainframe output into PDF, XML, HTML and spreadsheet-ready reports, then securely e-deliver the reports to users' email, SFTP servers, RSS feeds or the cloud, all with few or no host job changes.

With JES2Mail and JES2FTP, output from legacy z/OS applications, including CICS transactional applications, can be customized to segment content, mask data, add graphics, add a table of contents and encrypt files for secure e-delivery to specific recipients on cost-efficient platforms.

OMC-FLASH

OMC-FLASH manages all JES spool operations and resources, enabling users to view and control jobs, started tasks, TSO users, APPC jobs, active tasks, held and non-held output, devices, workflows and the entire JESPLEX.

OMC-FLASH supports all JES options, including JES2, JES3 and JES3plus. JES Management capabilities include a REXX API, WLM support, PROCLIB display, Resource Monitoring display, Batch facility, Spool Volume Display, JESPLEX Display, Command History Panel and CONFIG to fully customize user panels.

Since 1978, Trident Services has established a solid reputation for the excellence of its software, responsiveness of its support team and the expertise of its consulting staff with more than 40 years of experience in their individual specialties. Trident has been an IBM Business Partner for more than 29 years. Since launching its first software solution in 1988, Trident has continued to develop and enhance its software products and services to keep pace with industry changes, emerging technologies and client-driven needs.

• **triserv.com** • sales@triserv.com • 831-465-7661

At UBS Hainer, we develop software for Db2 z/OS and enterprise data management. Since 1997, our solutions have helped global enterprises meet the evolving demands of IT—covering data migration, test data management, SQL optimization, buffer pool and log analysis. We deliver high-quality, cost-effective tools that reduce effort, increase efficiency and support long-term modernization.

• **ubs-hainer.com** • info@ubs-hainersoftware.com • 213-407-8322

Modernization

Modernize z/OS Systems Management

zOSEM helps to fill the skills gap in system internals and assembler language coding. It replaces user-written installation exits with Processing Policies defined through zOSEM ISPF panels and simplifies z/OS release migration by eliminating the need to review, update and test the custom user exit code.

Performance and Capacity Planning

zOSEM HSM Reporter and Optimizer

zOSEM HSM Optimizer provides reports and real-time policies that can significantly reduce DFSMShsm resource usage. This can potentially lower the rolling four-hour average for all IBM MLC products.

zOSEM can reduce ISV software license costs by dynamically routing workloads to smaller licensed environments.

Services Consulting

z/OS Systems Consulting

We offer a wide spectrum of services to fit our clients' needs, including: mainframe managed services, staff augmentation and extended systems programming support. Trident Services' U.S.-based staff has, on average, over 25 years' experience in their individual specialties. We are a full-service mainframe support team, available for unique scenarios and special projects. Reach out to our services team for more on how we can support your environment.

Db2

BCV5

BCV5 is a high-speed Db2 copy and migration tool for z/OS that replaces slow, resource-intensive processes like UNLOAD/LOAD with an automated, scheduler-friendly solution. Copying directly from VSAM datasets or image copies, it can reduce CPU usage and elapsed time by over 90%, with throughput up to 2 TB/hour. Customers report cutting refresh times from days to under two hours while eliminating hundreds of manual jobs. With robust automation, flexible options such as masking and data reduction, and proven reliability, BCV5 is the smarter way to handle Db2 data refreshes, replications and migrations.

SQL Quality Control

SQL Quality Control (SQLQC) analyzes static and dynamic Db2 workloads, tracking each SQL statement over time to reveal performance trends and inefficiencies. It identifies high-cost queries, detects access path changes and cache issues and provides concrete index recommendations—simulating their impact before implementation. Customers report significant MSU savings and stabilized CPU growth, even in environments with billions of daily SQL executions. With history-based insights and actionable tuning advice, SQLQC helps enterprises cut costs, improve performance and keep Db2 workloads under control.

Test Data Management

XDM

XDM is a Data Orchestration Platform for secure, automated and scalable test data management. It delivers realistic, production-like data on demand, integrates with CI/CD pipelines and ensures compliance with built-in masking and synthetic data generation. XDM also supports migrations from Db2, IMS and VSAM on z/OS to modern platforms such as PostgreSQL, Oracle, Snowflake or AWS. With self-service access, audit-ready workflows and repeatable automation, XDM helps organizations modernize while reducing effort, risk and time to delivery.

VANGUARD
INTEGRITY PROFESSIONALS
CYBERSECURITY EXPERTS

WOMEN OWNED

Vanguard Integrity Professionals is the largest independent provider of enterprise security software for addressing complex security and regulatory compliance challenges.

Founded in 1986, Vanguard continues to innovate and expand its portfolio of hardened cybersecurity solutions and services while offering a range of options designed to help organizations secure their mainframe enterprise environments, including security assessment and compliance services, security software solutions, migration services, managed services, training and support that recognizes the critical environment.

• **go2vanguard.com** • info@go2vanguard.com • 702-794-0014

Compliance

Continuous Enforcement and Monitoring

Providing the capability to have "enforcement" once gaps are identified and closed creates a powerful way to improve governance, risk and compliance for RACF and ACF2.

The unique integration of the Vanguard Compliance Manager (VCM) and Vanguard Policy Manager (VPM) is a natural evolution of solutions that have a rich history of success as standalone solutions.

The continuous monitoring approach to security and compliance enforcement meets the strict requirements for efficiency while satisfying the operational demands of the ever-changing z/OS enterprise landscape.

Vanguard Compliance Manager with SIEM Connectivity

SIEM connectivity for VCM allows you to monitor, search, analyze and visualize systems compliance data in real time for automated reporting. This process is powered by Vanguard Aggregation and Delivery (VAD). With VAD, it is now possible to automatically access and process the results file of VCM from a centralized site to multiple LPARs across the z/OS enterprise and send them to the SIEM using a standard SYSLOG interface. This offering connects to SIEM applications for comprehensive reporting.

Vanguard Multifactor Authentication (MFA) for RACF, ACF2 and TSS

Vanguard MFA integrates with z/OS through the Vanguard Telecommunications Access Method (VTAM) to create the most comprehensive MFA tool in the industry. Vanguard extends the ez/Token MFA functionality of the VMA Suite into the VTAM log-on process. When the VMA Suite is used with VTAM, it provides a VTAM log-on portal that authenticates users through a one-time-use multifactor authentication PIN and/or security token along with an ESM user ID and, optionally, a password or passphrase when they log on through VTAM.

Vanguard Compliance Manager for IBM i (VCMi)

VCMi helps organizations enforce the Center for Internet Security (CIS) standards on IBM i systems, providing a robust baseline of cybersecurity best practices. The tool automates the audit and compliance process, saving time and improving report accuracy, while also producing automated vulnerability assessments to prepare for rigorous audits.

Cybersecurity

Vanguard Privileged Access Monitoring (PAM)

Vanguard PAM allows organizations to monitor data sets and general resource access, ESM and z/OS commands issued, and the start and stop events for tasks like TSO, STC and JOB. With Vanguard PAM, users can specify criteria and narrow the scope for security and/or auditing purposes. This capability is a powerful complement to Vanguard CleanUp and Offline software.

NEW! Vanguard Software Application Monitoring & Malware Detection (SAMM)

SAMM offers a range of features, including system software monitoring, file integrity and malware detection, system and application monitoring across LPARs and libraries, validation of maintenance levels across all LPARs and systems, web-enabled and customizable interfaces, real-time alerting and compliance with specific requirements such as PCI DSS 4.0, DORA, SOX, GLBA and others. These features collectively provide organizations with a robust and compliant solution for managing and securing their z/OS environments while complementing binary code solutions and rapid data recovery offerings.

Systems Management

Vanguard Mainframe Software Delivery System (MSDS)

A successful patch management process requires an organization to stay current on available software patches, properly testing them to ensure proper installation and documenting the process. This capability facilitates the delivery of software updates, changes and new applications to RACF, ACF2 and Top Secret (TSS) environments. Additionally, this capability delivers an efficient and reliable delivery system for software while maintaining the stability and integrity of the mainframe system, as well as meeting software patch management related requirements.

Velocity Software was founded in 1988 to create the premier performance products for the z/VM platform. z/VM system performance was Velocity Software's singular commitment for a dozen years. With the introduction of Linux running in a z/VM environment and the proliferation of internet and networking activity, Velocity Software's view of performance measurement and management has expanded to include Linux and the network.

• **velocitysoftware.com** • info@velocitysoftware.com • 650-964-8867

Performance and Capacity Planning

zVPS Velocity Software's Performance Suite

The complete performance package for Linux, TCP/IP, z/VM and z/VSE. zVPS contains the following components: zMON, zWRITE, zMAP, zTCP, zVWS, zVIEW, zALERT and zOPERATOR. Highlights include: capacity planning, operations support, performance analysis and chargeback. zVPS collects and analyzes data from z/VM, your Linux servers, network, z/VSE and z/OS systems in a consistent and integrated format. Data is continually collected, presented in real time and stored in a single performance database. Automatic analysis triggers alerts when exceptions occur. Reports are generated for long-term trend analysis and capacity planning—and all of this information is accessible via your web browser or a CMS terminal.

Systems Management

zPRO

zPRO focuses on modernizing z/VM and Linux cloud management.

Highlights of zPRO include:

- Builds and manages an on-prem cloud
- Simplifies the provisioning and management of Linux servers and the z/VM host system
- Simplifies access requirement for managing z/VM with simple and easy-to-use tools and functions
- z/VM system administration including a full zSPOOL feature to view console output, a built-in Directory Manager with zDIRECT and security management
- Reduces z/VM administrator tasks by safely empowering end users
- zVRM Resource Manager (add on) provides simplified server creation, reduces storage requirements and provides tailored reduced CPU requirements

zOSMON

Features of zOSMON include:

- Offloads all processing from z/OS MIPS, leaving a footprint of almost zero resource consumption
- The incremental cost of processing each LPAR is expected to be much less than 1% of a processor
- zOSMON is designed to support an unlimited number of LPARs and CECs within one zVPS subsystem
- One enterprise view for operations, capacity planning, performance management and for chargeback
- zOSMON provides real-time performance monitoring with a one-minute interval

Vertali delivers value for clients by providing a focused pool of mainframe skills and resources not available anywhere else. At a time of continued digital transformation, our mission is to help you reduce risk, work smarter and deliver your mainframe strategy while securing and optimizing your environment. We also offer bespoke software development for clients and vendors focused on mainframe integration with distributed systems; solutions for management, monitoring and security; and networking and communications software.

• **vertali.com** • +44 (0)1527 868380

Security

Mainframe Security Services

In an era of digital disruption and rising cybercrime, bad actors see the mainframe as simply another server to be hacked. Our unique mainframe security expertise helps you understand, secure and protect your systems and processes against the rising tide of internal and external threats. Our services include:

- Security assessments and remediation
- Penetration testing: Mainframe systems, applications and vendor products
- Security as a Service, with remote services to manage and monitor your mainframe security (RACF, ACF2 and TSS)
- Cyber resiliency strategy and planning

Managed Service Providers

Mainframe Managed Services & Extended Incident Support

Vertali's expert skills and resources help you reduce downtime, deliver higher levels of availability, and improve customer satisfaction—providing additional staffing, resourcing and support when you need it. Our skills span across the operating systems, subsystems (CICS, Db2, IMS, etc.), storage, hardware, software and ISV tools.

Our managed services team supports software outside mainstream vendors, including IBM products like z/OS, COBOL, Db2 and MQ, as well as products from BMC, Broadcom, Rocket and other ISVs. Plus, we offer cost-effective Extended Incident Support for z/OS and z/VM operating systems no longer supported by IBM.

Migration

Mainframe Migration Services

Our experts can help you make the move with confidence, de-risking and accelerating the transition. We provide advice and hands-on support for version-to-version software migrations and upgrades, vendor-to-vendor product swap-outs/migrations, vendor consolidation, data center migrations, data/DISK/DASD mainframe storage migrations and hardware migrations. Our approach helps you to contain and reduce costs while ensuring your environment is up to date, fit for purpose and optimized to deliver the value you need.

virtel
Mainframe Solutions

Virtel, a division of the Syspertec Group, is an independent software publisher founded in 1993 that develops, markets and supports a comprehensive suite of IBM Z modernization technologies. Virtel has more than 30 years' experience helping organizations modernize access and usability of mainframe applications to improve productivity, save money and simplify support.

• **virtelweb.com** • info@virtelweb.com • +33 (0)1 46 02 60 42

Application Modernization

Virtel Screen Redesigner

Virtel Screen Redesigner (VSR) transforms 3270 application screens into modern web pages that produce a genuine web experience. VSR is a no-code solution that overcomes issues earlier generations of 3270 web enablement tools experienced and is a simpler, faster and more cost-effective solution than redeveloping, replacing or rehosting 3270 applications. Virtel Screen Redesigner:

- Features a drag-and-drop interface design, customizable widgets, re-useable HTML templates and a real-time preview capability
- Requires no change to the mainframe application
- Intended for use by personnel familiar with the legacy 3270 application
- Requires no web programming skills

Modernization

Virtel Web Access

Virtel Web Access (VWA) securely serves 3270 screens as standard HTML5/JavaScript web pages over encrypted HTTPS connections. VWA eliminates outdated TN3270 terminal emulators and expensive VTAM session managers. With VWA, there is:

- Nothing to install or support outside of z/OS or Z/VSE
- Works with any browser on any web-enabled device
- No Java/plug-in security risk and ability to centrally manage user macros
- Integrate SSO and MFA with no changes to the application
- Simplified multi-application access using the included Virtel Session Manager

Virtel Web Integration

Virtel Web Integration (VWI) creates highly scalable real-time connections to integrate CICS, IMS, TSO and other mainframe applications with server, web or cCloud applications. VWI exposes host transactions either through legacy 3270 screen UIs or screenless COMMAREA transactions. Virtel Web Integration:

- Supports any web services protocol and format: RESTful, XML, JSON, SOAP, MQ and more
- Requires NO application code changes when using 3270 screen UIs
- Provides superior performance and scalability in a small host footprint

Resources

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Image FOCUS (IFO)
Image FOCUS ensures zOS LPAR readiness by inspecting IPL configuration elements, even for systems that are inactive or never IPLed, using a rule based validation process.

Stand Alone Environment (SAE)
Stand Alone Environment is a self-contained, self loading system software utility. It provides immediate access to system datasets through an ISPF-like editor without an active MVS system.

ICEDirect
ICEDirect is a Web-based application platform that uses a secure TCP/IP connection between its z/OS-resident webserver/client and an internet browser/server, to access and visualize z/OS resident data.

New Release Analysis (NRA)
New Release Analysis is a VTAM based 3270 tool in ICE that simulates zOS releases, letting system programmers plan and test migrations early without installing or disrupting systems.

IPLCheck/AI
IPLCheck AI uses Image FOCUS tech to help zOS users protect system integrity and security. It runs with Health Checker to inspect IPL status and report risks or issues in IPL setup.

The Control Editor (TCE)
The Control Editor balances system access and security by monitoring changes in real time and managing controls at the dataset, member, and program level to support compliance.