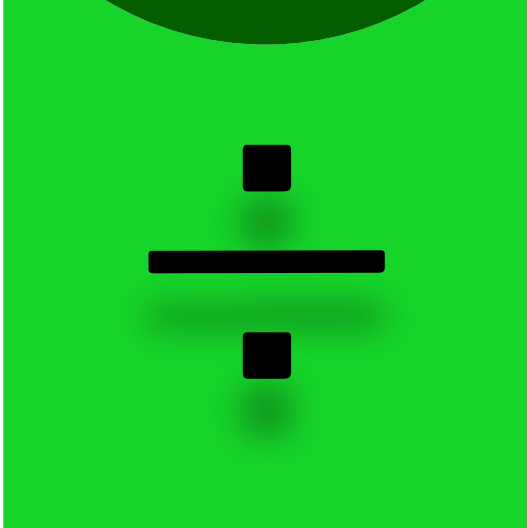
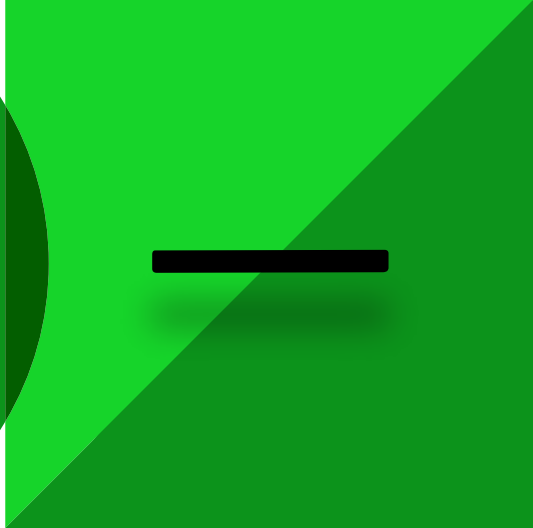
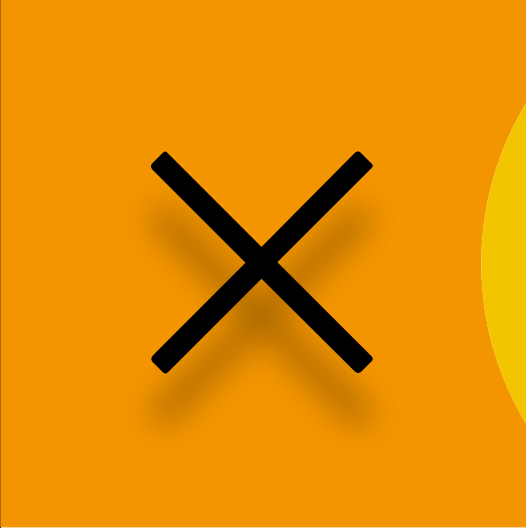
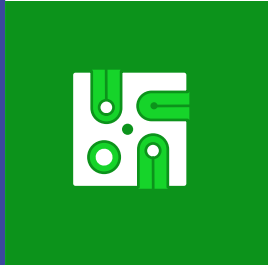
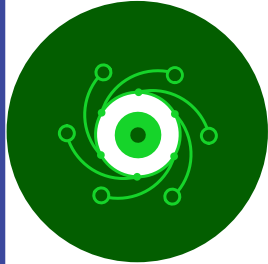
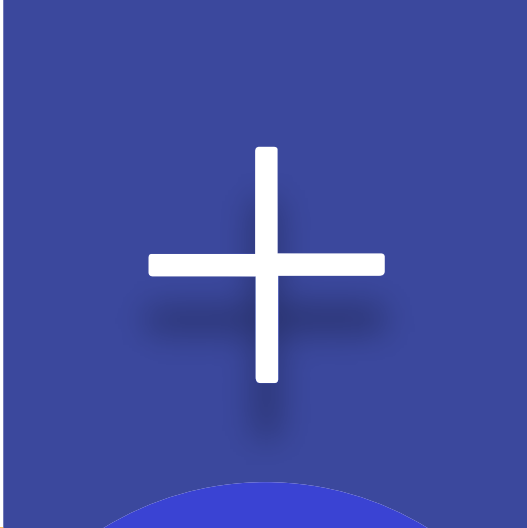
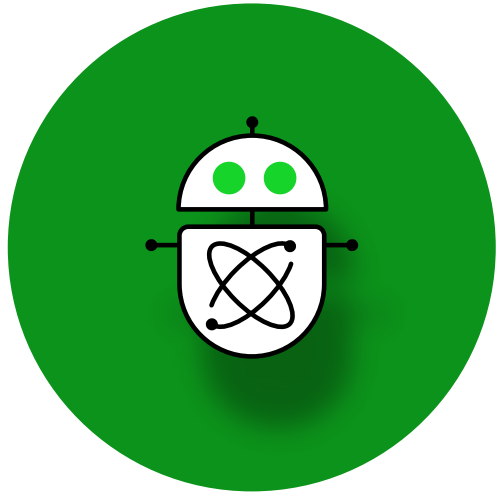


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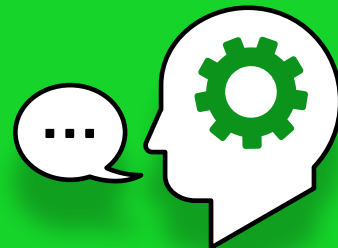


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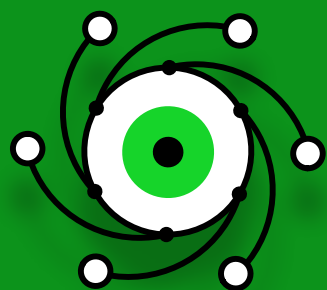
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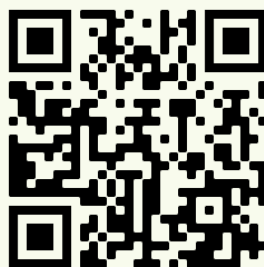


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EDITOR'S LETTER

Your Guide to Empowering Your Business

Welcome to this year's TechChannel Solutions Directory—your go-to resource for discovering **cutting-edge software and services designed to empower your business**. We're thrilled to bring you a lineup of innovative solutions from our trusted business partner community to help you make informed buying decisions as you plan for success and growth.

The Solutions Directory is more than just a list of offerings. It's a roadmap to possibilities, tailored to meet the evolving demands of today's technology landscape. Whether you're searching for tools to **enhance operational efficiency, streamline data management** or **break new ground in innovation**, the directory is here to guide you toward the right choices for your organization's unique needs.

Be sure to check out our interview with Evolving Solutions CTO Michael Downs on **how to make better technology decisions** to modernize for growth. We also included a handy checklist based on our interview with Downs. You'll find the feature story on [page 4](#).

On behalf of TechChannel, I want to thank our business partners for their steadfast support and dedication, and you, our readers, for trusting us as your resource for the best in enterprise technology. Together, we're advancing the future of business.

Here's to another year of innovation and opportunity!

EVELYN HOOVER
EDITOR-IN-CHIEF, TECHCHANNEL



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How to Make Better Technology Decisions to Modernize for Growth

Evolving Solutions Chief Technology Officer Michael Downs shares his insights to help your organization make holistic, scalable technology decisions

BY JENIFER SERVAIS

Artificial intelligence (AI), data center management and cybersecurity are all the rage in tech. Or so they seem. But organizations must consider which solutions are right for their business.

It's important to consider how to balance these trends with modernizing your IT environment and ensuring your company stays agile and innovative to achieve growth.

In a recent conversation Michael Downs, CTO of technology solutions provider Evolving Solutions, shared how business leaders can make sense of today's turbulent tech environment. Downs explains how you can define new standards for making technology decisions and take advantage of opportunities for growth and efficiency.

DEFINE SIMPLE AI USE CASES

"AI and security are top of mind for everyone making technology decisions," says Downs. Many clients seek his advice on leveraging AI to boost team efficiency, especially given the current skills shortage in IT, including expertise in cybersecurity and AI.

"Most companies struggle to find a successful use case for AI," he adds, noting the high failure rate of many AI initiatives. Investing in these endeavors only to fail to realize your return on investment is too risky for any organization. Challenges in effective data security and cybersecurity further raise the stakes.

The best approach with AI projects is to start with a practical, achievable use case that provides real value. This focused approach provides insights that can scale across the organization and build a strong foundation for AI expansion. It also helps secure returns without overextending resources.

KNOW YOUR BUSINESS' DIFFERENTIATORS

When deciding where to invest technology dollars, Downs says, "Business leaders mistakenly think they are either more unique than they are or more common than they are."

He explains that leaders regard their company as unique, causing them to overlook more broadly available capabilities in the marketplace. "Instead, they buy solutions from various vendors and cobble them together. This approach works when you have a smart, savvy team that knows how to close the gaps in your IT environment, but there are few organizations that can afford the resources to spend on tool integration."

Conversely, many business leaders consider their company to be more common than it is. "They buy a platform that will solve most of what they need without classifying how the solution best aligns with the business," notes Downs.

What qualifies your organization as unique is how you use your technology stack to differentiate your business. "This includes how you use it to protect, secure and recover your business when an outage occurs," says Downs. "Keep your business priorities and competitive differentiators in mind when deciding which technology to invest in."

FACTOR IN YOUR CORE BUSINESS AND DATA NEEDS

Failing to consider business and data needs can lead to poor technology decisions, running the risk of critical outages or security breaches that can harm your reputation, finances and operations.

"The other side of this challenge is failing to align your AI initiatives with the core needs of your business and data," Downs says. "Without designing flexibility into your approach, you

run a significant risk of missing out on valuable opportunities to respond effectively to market shifts and internal demands."

IT departments often receive funding only after other business priorities are met and strategies are defined, which makes it essential for IT leaders to proactively embed flexibility and efficiency into their design.

GAIN INSIGHTS FROM INTERNAL, EXTERNAL RELATIONSHIPS

Strong relationships are key to making effective technology decisions. Downs says, "Focus on your external relationships with peer organizations, business partners, vendors and analysts. They help you gain a broader perspective and share lessons learned before you discover them yourself the hard way."

He also recommends looking to your internal business units and IT team. IT leaders who successfully manage this way look to improve their team and make it more effective. By making their environment more agile, reliable, scalable, resilient and secure, organizations get greater value for technology investments. "If you don't adopt this method, your IT team can end up following the same routine, further increasing your organization's technical debt," he adds.

KEEP YOUR EYES ON THE ROAD MAP

Making smarter technology investments requires looking at your organization holistically and creating and following a road map of where you want your business to go. Downs suggests organizations take an iterative approach toward achieving their business goals, adopting the technology to support it effectively and ultimately modernizing your environment. He says, "By doing so, you enable your team to respond flexibly to business needs." ■



16 Ways to Streamline Your Technology Decisions

Making decisions about technology investments doesn't have to be daunting. Follow our checklist to better understand your business and make smarter technology decisions to modernize your organization.



AI AND SECURITY

- Work with business units to determine a simple, viable use case and what you need to enable it.
- Determine the infrastructure—network, compute, storage, cloud capabilities, automation and observability—you need to ensure your project's success.
- Account for how you'll classify your data and ensure its privacy and security.
- Factor in robust storage, data resilience and cyber resilience platforms so you can quickly detect, remediate and recover when a security breach occurs.

- Know what's in your technology stack and how you use it to stand out from your competition.
- Align your technology decisions with your business priorities and competitive differentiators.
- Define and consistently refer to a set of principles based on flexibility, resilience and security.



CORE BUSINESS AND DATA NEEDS

- Understand and prioritize the critical technical components, applications and data you need to run your business and maintain its reputation.
- Determine whether your current application portfolio supports the needs of your business and make plans for change as needed.
- Request technology to improve efficiency and create opportunities for innovation.



INTERNAL AND EXTERNAL RELATIONSHIPS

- Connect with peers, business partners, vendors and analysts to gain greater perspective and learn what to avoid.
- Speak with your business units and IT team to gain insights based on the experiences they face in their departments.
- Mentor and develop your IT team to lead, think and be creative so they can tune into what's happening in your organization.



ROAD MAP

- Create and share a vision of where you want the business to go.
- Refer to your road map for direction on where to invest iteratively in technology.
- As part of the risk equation, factor in your ability to adapt quickly when the business changes direction. ▀



BUSINESS DIFFERENTIATORS

- Gain a clear understanding of what differentiates your business from other companies.

Company and Product Listings

SOLUTIONS DIRECTORY

2025



SOLUTIONS DIRECTORY 2025 PRODUCT LAUNCH

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.

New Products, Tools and Services Keep Customers Up to Date and the IBM Z Ecosystem Thriving

COBOL

COBOL Migration Manager (CMM) from DTS Software

COBOL Migration Manager (CMM) is an essential tool for organizations planning a COBOL migration, helping to avoid issues caused by incomplete module knowledge. It enhances mainframe application modernization with the following features:

- Data-driven insights to prioritize COBOL migration, saving time and resources.
- Preservation of recompiling resources by providing a snapshot of production programs.
- Integration with reporting solutions for a unified view, aligning COBOL modernization with other initiatives.
- Simple installation with no SMP/E work required.

[Learn more about DTS Software and CMM on page 25 →](#)

Compliance

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

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.

[Learn more about Vanguard on page 54 →](#)

PRODUCTS



21CS is a leader in developing mainframe products that ensure data protection and recovery, unlock seamless hybrid cloud connectivity, provide uninterrupted data migration and deliver the most comprehensive mainframe performance and capacity planning. Since being founded more than 30 years ago, 21CS has relied on its strong partnership with IBM to develop and enhance products that meet current market needs and lead predicted technology trends.

• [21cs.com](#) • info@21cs.com • 800-555-6845

Cloud

IBM z/OS DFSMS Cloud Data Manager

Harnessing the power of the z/OS 3.1 Catalog Data Access (CDA) feature, IBM z/OS DFSMS Cloud Data Manager (CDM) enables direct migration of vast amounts of data to and from both on- and off-premises cloud environments at scale. CDM leverages the full potential of object store and hybrid cloud capabilities by enabling the migration of any data stored on cloud, regardless of its original format, to and from the Z platform. CDM is hybrid cloud, with full mainframe governance.

Compliance

IBM Z Backup Resiliency

IBM Z Backup Resiliency (IZBR) 2.1 safeguards data in IBM z/OS environments by integrating real-time analytics into the backup and recovery process. IZBR reduces mean time to recovery by continuously monitoring the processes and data set backup repositories to instantly identify at-risk data at the point of failure, enable rapid restoration of data sets and determine possible downstream impacts from the point of corruption forward.

Operating System

VSEn

Our first version of the VSE operating system (OS) enters the market under the name, VSEn V6.3. VSEn, designed to offer nondisruptive compatibility with previous versions of IBM z/VSE (which serves as the basis for VSEn V6.3), leveraging the source code license agreement the company completed on June 1, 2021. VSEn V6.3 also addresses fixes and features that have been to IBM z/VSE 6.2 through September 2023, along with the newest releases of the TCP/IP stacks and installation enhancements. End of support for IBM z/VSE 6.2 went into effect Sept. 30, 2023. Remain supported and see what new features VSEn has to offer. Upgrade today and elevate your VSE experience.



A pioneer in actively tracking and managing change in the MVS systems environment, Action Software International (ASI) provides solutions that work together with some of the world's largest institutions' critical processes. With 35+ years of z/OS MVS and z/OS UNIX systems management experience, ASI's innovations offer proactive tools to enhance system availability, cost efficiency, audit controls and security.

- actionsoftware.com • sales@actionsoftware.com • 905-470-7113

Systems Management

eventACTION

eventACTION is a comprehensive event tracking and systems management product that helps you to proactively manage your z/OS environment. Using its unique event-driven methodology, it automatically and transparently allows you to:

- Track, control, back up and restore changes to z/OS system datasets or members in real time
- Analyze the content of changes using advanced compare on live datasets and backups
- Track references to z/OS system data sets or members
- Track and control z/OS system commands
- Ensure that program products execute only on licensed systems
- Propagate changed data to other z/OS systems
- Send data set and member change information to external monitoring products such as SIEMs

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:

- Track, control, back up and restore changes to z/OS UNIX files (in zFS and HFS file systems) in real time
- Analyze the content of changes using advanced compare on live files and backups
- 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 and file change information to external monitoring products such as SIEMs



Advanced Software Products Group Inc. (ASPG), a leader in data center software for almost 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.

- aspg.com • aspgsales@aspg.com • 800-662-6090

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.

PRODUCTS



Founded in 1982, Baer Consulting Inc. (BCI) is a managed solutions provider of mainframe services and support. BCI helps mainframe decision makers avoid the hassle and complexity of planning, managing and deploying on-premises/off-premises private cloud services to meet today's business demands. We deliver solutions that provide greater security of a private cloud with the reduced investment cost and faster time to value from a public cloud.

• baer-consulting.com • rich.garcia@baer-consulting.com • 303-838-3374

HA/DR/Backup

zSystems Disaster Recovery

Baer Consulting Inc. (BCI) utilizes a system recovery process to produce immediate results and then refocus the issues of mainframe disaster recovery back to the user community where the responsibility remains. The BCI technical and management team conducts offsite mainframe disaster recovery tests for our contracted support clients semiannually.

Expertise and familiarization with the major offsite testing, disaster recovery (hot site) facilities and processes enable us to meet and/or exceed auditing expectations. BCI's success at disaster recovery situations is largely attributed to the ability to build and activate an entire system within the first day, allowing more time for user testing. Once the mainframe disaster recovery test has been completed, the client will receive comprehensive reports and documentation of the recovery process, including known and unknown recovery requirements. With these documented results, technical staff will be better prepared for future recovery support.

Managed Service Providers

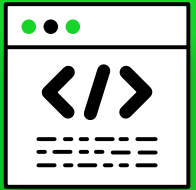
zManaged Mainframe Hosting

BCI Hosting provides clients with a flexible choice between managing their IT services and hardware on-premises at their own site or using a BCI-supplied computing platform hosted remotely. BCI Hosting Services features an IBM Z multitenant CP supporting three networked co-locations. Baer Consulting also owns and operates our IBM mainframe environments (CPU, DASD, TAPE).

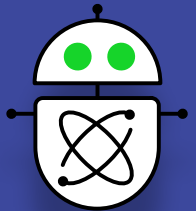
Systems Management

zManaged Mainframe-as-a-Service

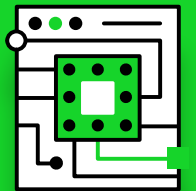
Baer Consulting can help you deliver on SME support services needed to maintain your critical systems and software. Baer Consulting Managed Services for Mainframes are designed to address the disruptive change and modernization challenges IT departments face today. BCI Managed Services delivers an all-inclusive support service—BCI will manage your mainframe systems and software environment to allow you to focus on other site priorities.



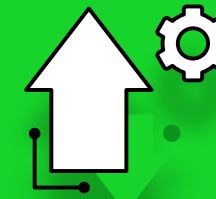
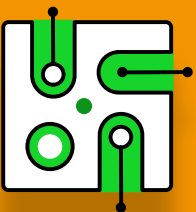
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AIOps

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 simplifies mainframe data protection and management by delivering backup, archive, space management, disaster recovery and storage management directly to the cloud. This eliminates the need for costly CPU cycles, expensive storage and complex tape libraries. Cloud storage offers flexibility, reliability and efficient data transfer, reducing the complexities and costs associated with traditional mainframe data management while enhancing data sharing and disaster recovery capabilities.

DevOps

BMC AMI DevX

BMC AMI DevX enhances the developer experience at every career stage and skill level with modern tools designed to excel in mainframe application development. It offers seamless compatibility and connectivity, boosting productivity through shift-left automated testing, early bug detection and continuous test data preparation. BMC AMI DevX simplifies source code management, delivers operational insights and improves the overall developer experience by reducing complexities and allowing more focus on coding.

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.



Broadcom Mainframe Software Division empowers enterprises to amplify the value of their mainframe investments in ways that drive their business forward. Our market-leading DevOps, AIOps and automation, cybersecurity and compliance, data management, and foundational and open solutions enable customers to adopt common tools using industry standards and integrate mainframe as part of their hybrid cloud. Our commitment to partnership extends beyond software and features Beyond Code programs that give customers the power to achieve greater business success with the platform.

- mainframe.broadcom.com • mainframe@broadcom.com • 408-433-8000

AIOps

WatchTower Platform for Mainframe AIOps

Maximize operational resilience with WatchTower, an integrated platform offering groundbreaking advancements in mainframe observability. By uniting tools, workflows and data from diverse sources, it simplifies issue identification and remediation. WatchTower leverages machine learning to reduce complexity and provide actionable insights. Empower your operations with unparalleled end-to-end visibility, enabling proactive problem-solving and swift diagnosis, troubleshooting and resolution of potential disruptions—ensuring smooth, uninterrupted business performance.

Cybersecurity

Mainframe Security 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 monitoring. Analyze user activity to identify and act on risky behavior. 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 Security Suite delivers modern, zero trust security capabilities and regulatory compliance to mainframes.

Db2

Database Management for Db2 for z/OS

Ensure optimal database and SQL performance, efficient administration and reliable backup and recovery of Db2 databases, systems and applications with powerful and flexible solutions. With interoperable solution suites for administration, backup and recovery, utilities and performance, your enterprise can improve service levels, data availability and application responsiveness—helping to reduce costs. Ease the burden of managing and maintaining Db2 while increasing productivity.

DevOps

DevOps Suite

Elevate mainframe AppDev with the open-first solution that combines a VS Code/Git developer experience with seamless CI/CD integration and test automation. The Mainframe DevOps Suite, which includes Code4z, Test4z, Endeavor, HostBridge API enablement and Zowe, drives productivity, quality and speed without compromising security or reliability.

Endeavor

With a rich tradition of R&D investment and market leadership, Endeavor is the strategic foundation for mainframe software delivery. By enabling the adoption of Git, via Endeavor Bridge for Git and Team Build, as well as VS Code and DevOps toolchains, Endeavor 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.

IT Infrastructure

Easytrieve Enterprise Reporting Solution

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.

Storage

Flexible Storage Suite

Gain secure and flexible mainframe storage options that include hybrid cloud with CA 1 Flexible Storage, a software-only solution that supports existing CA 1 policy-based automation without the need for additional infrastructure. Expand storage strategy options and protect against ransomware by compressing and encrypting data on the mainframe with file-level security. Vantage Storage Management centralizes the location for collecting intelligence and provides management capabilities for your mainframe storage environment that maximizes storage efficiency.



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, LANSAs, as well as 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.

• cmfirstgroup.com • info@cmfirstgroup.com • 888-866-6179

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. CM First provides MAS for the full life cycle—we are an extension of your dev team.



ColeSoft Marketing produces superior debugging products for software engineers and support staff working on IBM mainframes. We make IBM's z/OS-based Assembler, C/C++ and Metal C languages easier to work with and understand.

• colesoft.com • bob@colesoft.com • 800-XDC-5150

Application Development

c/XDC

c/XDC expands z/XDC's powerful, interactive, source-level debugging to include IBM's XL/C languages. With c/XDC, programmers can move seamlessly between XL/C and Assembler code within the same program. You can STEP through your XL/C code as it executes, see statement operand values before and after statement execution, and display stack frames, variables, arrays and structures in real time. c/XDC functions equally well with all flavors of IBM's XL/C: C, C++ and Metal C in both 31-bit and 64-bit modes.

dump/XDC

dump/XDC brings the z/XDC command language into the world of dump reading.

dump/XDC allows the user to more quickly diagnose and repair problems in both internal programs and programs run by customers. dump/XDC works in concert with IPCS, allowing the use of IPCS commands right along with z/XDC commands. z/XDC's powerful and comprehensive FORMAT, MAP, DMAP and LIST commands bring new clarity to the dump-reading process.

z/XDC

z/XDC is a powerful, interactive tool for developing and testing Assembler language programs in z/OS.

z/XDC makes IBM's z/OS-based Assembler language easier to work with and understand. Using z/XDC, programmers can effectively find and correct errors in programs running in nearly any z/OS programming environment: authorized or nonauthorized; multitasking or single tasking; batch, TSO or CICS; system exit or product exit; SVC routine or PC routine.



CPT Global can transform your IT environment, leveraging 31 years of expertise with Fortune 1000 companies. Our innovative solutions reduce costs, enhance performance and maximize value across industries.

We uncover savings, minimize risk and identify technology opportunities, delivering tailored strategies for sustainable growth and a competitive edge. Partner with us to tackle your most complex challenges with our dedicated, professional team.

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Application Development

Quality Assurance & Testing Services

CPT is your partner for exceptional testing services. Leverage our team's expertise for tailored solutions that fit your business needs.

We deliver customized strategies in:

- Test automation
- Test management
- Test development
- Test governance
- Test execution
- Test environment and data management
- Functional and nonfunctional testing

Our comprehensive approach ensures the highest standards of quality and reliability. Let CPT be the cornerstone of your testing success.

Technology Assurance Services

At CPT, we drive success in complex transformation and modernization with our technology assurance solutions. Leading mission-critical projects, we focus on:

- IT transformation
- Cost reduction
- Governance
- Migration strategy
- Risk mitigation

As an independent partner, we offer deep expertise in strategy, delivery and operational technology. Our goal is to solve challenges and ensure optimal outcomes for your business, enhancing efficiency and securing your success.

Test Coverage for Mainframe Services

Test Coverage for Mainframe provides system-level analytics and metrics to assess test suite effectiveness and identify system risks. Key features include:

- Comprehensive analysis of testing approaches
- Coverage measurement across test cycles or runs
- Identification of altered elements between cycles
- Analysis of tested vs. untested components
- Alignment with production coverage
- Reports on modules, transactions, SQLs and batch jobs

Enhance your testing strategy with robust analytics to ensure system reliability and performance.

Cybersecurity

Mainframe Security Services

Secure your critical infrastructure with CPT Global's Mainframe Security Service. Our industry-leading experts use proactive threat prevention measures, ensuring your systems stay ahead of vulnerabilities.

Our comprehensive approach includes:

- Proactive threat prevention
- Compliance assurance with industry standards
- Fortified data protection
- Continuous monitoring for emerging threats

CPT delivers a secure operational environment tailored to your needs. Trust our expertise to maintain the integrity of your mainframe system.

Modernization

Mainframe Modernization Services

CPT Mainframe Modernization Services update your systems with the latest technologies while we optimize your mainframe for efficiency, effectiveness and reliability. We specialize in:

- Cost-effective modernization strategy
- Seamless transition to updated technology
- Cost reduction
- Enhanced resilience and performance
- Leveraging assets for new projects
- Modernizing in place
- Migration to other platforms

Our expertise spans technologies like z/OS, COBOL, Db2, CICS and more, with proficiency in system programming, application, database and security administration.

Performance and Capacity Planning

Mainframe Optimization & Cost Reduction Services

CPT's expert team delivers swift, effective results using expert systems, automated tools and proven processes. Our innovative pricing options, such as the risk-reward model, ensure a direct alignment of our interests with your financial goals.

Our unique approach ensures clear ROI by reducing costs in software, hardware, chargebacks or managed services. Our team not only cuts expenses but also aligns our success with yours, providing a mutually beneficial outcome for your business.

Non-Mainframe Optimization Services

For more than 31 years, CPT has expertly tackled complex performance issues in open-system and cloud technologies. Our comprehensive approach covers architecture, design and usage patterns, helping you address issues in:

- Systems
- Applications
- Infrastructure
- OS
- Storage
- Databases
- Network

We quickly identify root causes and offer actionable solutions, enhancing performance and efficiency. Trust CPT to resolve your IT challenges so you can focus on your core operations.



For more than 40 years, Data 21 has been delivering innovative, high-quality, cost-effective mainframe software solutions and customer support satisfaction. Our products are integral to daily production tasks at hundreds of mainframe installations around the world. Data 21 offers solutions that enhance efficiency, connectivity, data security and more to empower businesses and end users.

• www.data21.com • salesteam@data21.com • 424-271-8105

Tools and Utilities

InterSession

InterSession mainframe session manager software enhances the user experience and improves system security, leading to increased efficiency and cost savings for organizations. InterSession is a unique, cost-reducing alternative to competing session managers, and it causes virtually no end user disruption.

InterSession mainframe web gateway delivers secure, browser-based 3270 emulation over encrypted HTTPS connections between the mainframe and web-enabled devices without plug-ins or local installation.

ZIP/390 MP

ZIP/390 MP is a cutting-edge ZIP compression solution for business. The innovative product offers seamless integration across multiple platforms. Whether used as a standalone ZIP solution or in client-server mode to facilitate high-speed file transfer and distributed application integration, ZIP/390 MP delivers outstanding performance and superior functionality. Features include ZIP password and AES encryption, CICS and batch compression/encryption programmer API, built-in email and FTP clients, zIIP, zEDC, JES writer and PDF support.

ZIP/VSE

ZIP/VSE simplifies fast, efficient, AES-secured file exchange between zVSE and the various computing platforms and personnel competency levels within the enterprise and beyond. ZIP/VSE delivers outstanding performance and superior functionality with features including built-in email, FTP and Power Writer support. Additionally, ZIP/VSE's CICS batch compression/encryption programmer API offers a powerful, easy-to-implement solution for in-memory compression and/or encryption of your mainframe data.



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 for z/OS: Supports IMS databases, Db2 databases and flat files
- DataVantage Data Masking Express: Mainframe data masking
- DataVantage Global: Mask distributed relational databases

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Data Management

DataVantage for z/OS

DataVantage for z/OS delivers powerful data management tools, enabling efficient browsing, editing, sub-setting and copying of data. Its advanced data masking features create production-like datasets for non-production uses, ensuring compliance with corporate policies and government regulations. Designed to enhance security and streamline workflows, it minimizes risks and supports faster innovation. With competitive swap-out pricing, DataVantage for z/OS 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.



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

Performance

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.



DTS Software, the company behind SRS, the original X37abend prevention software, ACC-Monarch and D-Limit, is a global leader in enterprise storage management solutions. Our comprehensive suite of products, including the new COBOL Migration Manager, is designed to help customers efficiently monitor, manage and control their storage subsystems across IBM z/OS, Hitachi VOS3 and Fujitsu MSP environments. With superior functionality and features, our software empowers managers and users to maximize their investment in storage systems.

- dtssoftware.com • info@dtssoftware.com • 919-833-8426

Cloud and Hybrid Cloud

SCC Cloud

SCC Cloud (SCC) represents the future of hybrid cloud storage, offering cloud as a read/write storage option without FTP calls or JCL changes. It delivers cost-effective storage with increased visibility and interoperability. Key features include:

- Transparent, real-time data access, regardless of location, without JCL modifications.
- Unmatched customization and operational flexibility.
- SSL encryption for secure data transmission, with policy-driven rules aligned to business practices.

COBOL

NEW! COBOL Migration Manager

COBOL Migration Manager (CMM) is an essential tool for organizations planning a COBOL migration, helping to avoid issues caused by incomplete module knowledge. It enhances mainframe application modernization with the following features:

- Data-driven insights to prioritize COBOL migration, saving time and resources.
- Preservation of recompiling resources by providing a snapshot of production programs.
- Integration with reporting solutions for a unified view, aligning COBOL modernization with other initiatives.
- Simple installation with no SMP/E work required.

Migration

DTS Clone Center

DTS Clone Center (DCC) is an invaluable tool for mainframe storage administrators managing tape migrations. It simplifies the process of migrating to target devices like the IBM TS7700, Dell/EMC DLM and Optica zVT. DCC equips administrators with efficient tools for effective tape subsystem management. Key features include:

- Policy-based control over tape drive selection and scratch volume management.
- ISPF command interfaces.
- Detailed reporting for optimizing system performance.

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Intelligent

- ▶ Built by industry experts and infused with Actual Intelligence



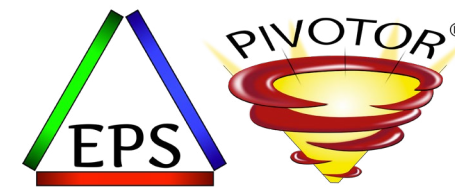
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- ▶ Reporting including and beyond SMF data, DCOLLECT, & transactional data



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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

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.

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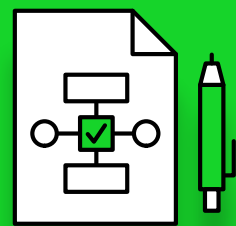
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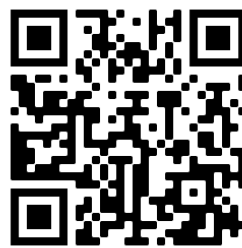
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The Two AIs and Z Performance and Capacity Planning

In the Z enterprise environment, there are two distinct forms of AI: artificial intelligence and actual intelligence. One AI is imperative, while the other AI has a long way to maturity.

It's exciting to be part of the world of computer performance at the dawn of AI. Yet, as a performance guy, I believe it's important to exercise temperance and not to buy into all the marketing hype just yet.

Why? Because currently, and for the foreseeable future, companies should first invest in "actual intelligence," or the knowledge, expertise and experience of humans.

I recently received a call from someone wanting to get into the field of mainframe computer performance. This person wanted to know if they should invest their time and money into a career where there has been so much hype of AI. I assured them that no matter how hard vendors try, Z enterprise computer performance is still an extremely viable career for the foreseeable future. Not only that, but despite the rise and hype of artificial intelligence, the actual intelligence of the human workforce in IT will continue to be invaluable—here's why.

6 TRUTHS ABOUT ACTUAL INTELLIGENCE

1. Actual intelligence provides a deep contextual understanding of the environment, business objectives, trends and constraints. A contextual understanding helps interpret complex performance measurements and make decisions that align with broader company goals.
2. Actual intelligence enables complex problem-solving, which usually requires intuition, creativity and situational awareness that AI cannot achieve.
3. Actual intelligence allows decisions based on judgment and experience. There are many real-world considerations and constraints that cannot—and should not—be parameterized into AI engines.
4. Actual intelligence comes from real-world experience, which allows analysts to help identify and debug both subtle and complex problems.
5. Actual intelligence allows performance analysts to collaborate and share ideas. Humans can learn from their colleagues who specialize in other areas.
6. Actual intelligence allows us to understand the broader implications of recommendations and changes. Humans are more adaptive to changes in business and world events, so we can act depending on what is technically best and optimal for the business.

While AI is all the hype, remember to invest heavily in actual intelligence, which is so much more than analyzing data patterns and automation. Invest in the strength of your workforce! ■



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

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.



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 solutions, like the Interactive Output Facility (IOF), accelerate 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 a range of IBM products.

- 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. Request a demo at www.FischerIdentity.com.

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 37 years of services excellence, GTSG has been named 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.**

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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.

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.



Infotel Corp., headquartered in Tampa, Florida, is a software vendor and IT consulting firm specializing in data management, application performance and optimization solutions for distributed and mainframe platforms. For more than 40 years, Infotel has delivered proven solutions to help clients optimize their data management systems. To learn more about Infotel and its roster of z/OS and enterprise data management tools, visit insoft-infotel.com.

• [infotel-software.com](https://www.infotel-software.com) • software@infotel.com • 800-543-1982

Application Development

Application Parallel Testing (APT)

Infotel’s Application Parallel Testing (APT) solution streamlines integration testing and acceptance testing on z/OS, allowing users to use automation to configure test environments in an LPAR. APT enables parallel testing with smaller, more frequent test iterations, reducing test cycles and resources. Users can create, execute and recall configurations, turning testing on z/OS into reusable assets for future needs.

Db2

DB/IQ

DB/IQ is a comprehensive software solution that automates quality control for Db2 SQL code for z/OS applications. By assessing performance, maintainability and scalability, DB/IQ ensures compliance with current standards, detects problematic SQL and helps prevent service issues. This DevOps-friendly automation tool reduces the work for DBAs and developers while improving overall application service delivery.

IDBA-Online

iDBA-Online uses machine learning to provide automatic maintenance capabilities for performing database backups, keeping statistics current and reorganizing tables and indexes as necessary. iDBA-Online’s sophisticated algorithms combine your SLAs, your business constraints and a cost-benefit analysis to establish the optimum maintenance schedule in real time. The maintenance utilities are automated to ensure meeting SLAs and certify that every single operation has a positive ROI for the overall system.

InfoUnload

InfoUnload is a high-performance data unload tool for Db2. It efficiently unloads data to various formats, reducing I/O and processor consumption. With parallel processing and flexible options, InfoUnload accelerates data transfer, streamlines operations and can unload into various data formats, including non-Db2.



Log-On’s mastery of leading-edge technologies combines with extensive development experience to deliver superior software solutions. With over 30 years’ experience and 900 development specialists in software, data communications and security, Log-On delivers innovation and value across the mainframe, security systems, e-business and more. Log-On serves all major industries, including many of the world’s largest organizations.

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Application Development

Inspect-CPU

Inspect-CPU (ICPU) is an innovative, real-time CICS performance solution that monitors the activity of application programs, providing unique insights into application program performance characteristics. ICPU identifies the lines of code in your programs that cause spikes in CPU usage and erratic response times, providing new opportunities to save CPU cycles and increase throughput. Most importantly, by virtue of ICPU’s very low overhead (<2%), ICPU can monitor applications in production for unlimited time periods to capture sporadic problems—and provide an accurate picture of your programs’ CPU usage.

Log-On APL2

Do you need continued support for IBM APL2? IBM support for APL2 ended Sept. 15, 2021. Log-On APL2 is a direct replacement utilizing the same code base. Through Log-On APL2 continued support, maintenance and enhancements are available to users of IBM APL2. Log-On APL2 is a powerful interactive environment and programming language for modeling and solving problem sets in areas ranging from visualization and engineering to statistics and commercial data processing.

Communications and Connectivity

Log-On NV 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. NV FTP 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

QuickSelect for Db2 delivers immediate performance gains and CPU savings for Db2 applications and batch jobs by caching frequently requested result sets outside Db2 in memory above the bar. QuickSelect eliminates expensive round trips to Db2 while delivering up to 100 times the performance of Db2 buffer pools! QuickSelect update sensitivity prevents data integrity issues and dirty reads. It is truly plug-and-play with absolutely no changes to programs, Db2 or JCL!

Total Utility Control for Db2

Executing the right Db2 utility at the right time against the right object is vital to the health of Db2 objects and the efficiency and performance of Db2 applications. Unfortunately, the DBA group often lacks the resources to continuously optimize the timing and scope of utility execution. Total Utility Control provides a flexible, vendor-agnostic framework that automates and optimizes all aspects of utility execution to ensure the highest level of Db2 performance and availability.

Linux on IBM Z

Log-On Wave for IBM Z (z/VM and KVM Hypervisors)

The Log-On Wave family is a suite of system management and productivity solutions for virtualized Linux environments running on z/VM and KVM. With their powerful graphical user interfaces, they shield the complexity of z/VM and KVM and simplify configuration, operation and management of Linux instances and resources. From intuitive screens, you can easily manage complex IBM Z Linux infrastructures, automating repetitive tasks, responding faster to business requests and quickly addressing performance and operational issues.

Storage

VTFM-NewGen

VTFM-NewGen is a software-only virtual tape system that runs under z/OS to back up to virtual tapes and data sets to the cloud and to local S3 and FICON-connected storage.

VTFM-NewGen requires no proprietary hardware and delivers bulletproof mainframe reliability and availability. VTFM is a transparent install and requires no changes to your existing data, tape management software or JCL. Just define VTFM to your tape management solution, specify the volumes and/or data sets you’d like VTFM to manage, specify the target storage—in the cloud or on-premises—and VTFM seamlessly integrates with your existing processes.



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 provides file backup and reorganization with concurrent update access in CICS, bringing you closer to 24-7 availability. After a CICS to batch file copy, any tasks accessing the file are suspended for the time it takes for a file rename. Users see a slight delay during the rename instead of 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

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

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 provides cost-effective and secured printing solutions for the mainframe. 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 secured 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 gives you up to eight CICS terminal sessions with the ability to launch specific applications per session. Session Manager for CICS/Menu lets you group users and gives menu access to CICS group-centric applications.

Testing 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. is a leader in ransomware avoidance for IBM mainframes. With nearly a decade of experience protecting critical systems across industries such as banking, healthcare and government, our mission is to make the mainframe the most secure platform on Earth. MainTegrity delivers advanced software solutions that go beyond traditional z/OS cybersecurity to include file integrity monitoring, real-time threat detection, faster recovery and compliance with international security standards. With a focus on attack prevention and operational resilience, MainTegrity provides unmatched protection against cyber threats, safeguarding the critical infrastructure that powers the world.

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

Security

MainTegrity CSF

MainTegrity Cyber Security Framework (CSF) represents the evolution of our commitment to z/OS security. While file integrity monitoring (FIM) remains a core component, CSF extends far beyond traditional monitoring to deliver comprehensive cyber resilience, making it a robust and essential solution for IBM mainframes. CSF integrates seamlessly with your existing cybersecurity tools across z/OS, cloud and other platforms, closing security gaps that are frequently exploited by attackers.

With CSF, you can:

- Neutralize ransomware and other cyber threats: Identify and eliminate malware/ransomware before an attack with FIM+.
- Prevent damage: Detect rogue encryptions, z/OS authority tampering and privilege escalation using early warning and automated countermeasures to protect your systems.
- Instant automated response: Suspend offending attackers instantly, freezing them in their tracks to mitigate damage and reduce human reaction time.
- Real-time alerts and guided recovery: Send real-time alerts to support staff, guiding them through customer-specific recovery processes.
- Precise system restoration: Restore systems to a secure, anti-malware state automatically, ensuring minimal downtime.
- Comprehensive recovery options: Recover from both immutable and conventional backups, leveraging CSF's integrated recovery capabilities.
- Ensure compliance: Meet the strictest security standards, including PCI DSS V4, NIST CSF V2, DORA, HIPAA and more, while reducing administrative overhead.

By acting today, MainTegrity CSF can help you reduce your cyber risk and avoid the immense organizational cost that results from a successful mainframe attack.

Call MainTegrity today to get the help that only MainTegrity CSF can provide.

Reduce your cyber risk, avoid organizational disruption and stop would be criminals in their tracks.



NewEra Software Inc. was founded in 1990 with the specific goal of developing, marketing and supporting innovative mainframe system management tools and services. Thanks to the continued support of thousands of system programming professionals worldwide who have come to depend on NewEra, its products and support, the company has become an industry leader and set the standard for repair, data erasure, continuous backups and system resiliency. All of these ensure the ongoing integrity of critical mainframe systems worldwide.

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

Systems Management

The Control Editor

The Control Editor (TCE) balances the needs of systems programmers with those of security officers, compliance managers and auditors by establishing management controls for compliance monitoring. Detecting and reporting changes in real time ensures modifications are tracked and managed effectively. TCE manages access controls at the data set, member, module and program object levels, enhancing the external security manager (ESM). TCE bridges conventional change management tools and the ESM, supporting principles of zero trust architecture.

ICEDirect

ICEDirect is a web-based application platform utilizing a secure TCP/IP connection between its z/OS-resident web server/client and an internet browser/server to access and visualize z/OS-resident data. It supports Image FOCUS (IFO), The Control Editor (TCE) and other applications, adding access to z/OS, RACF, ICSF and System SSL, among others. All exploit this unique z/OS-to-browser platform, creating a visual form that results in a more interactive user experience and provides a deeper understanding of complex z/OS information.

Image FOCUS

Inspections serve as a virtual IPL of the z/OS environment. They validate the IPL unit address and LOADPARM, filter discovered LOADxx content, check PARMLIB members for syntactical correctness and review the existence, referential integrity and attributes of system data sets.

Inspectors report potential causes of IPL failure. Features like Sysplex Inspection and New Release Analysis facilitate transitions to new z/OS versions. Automated change detection and reporting monitors the operational integrity, readiness and resilience of the z/OS environment.



Phoenix offers a wide range of solutions to modern business challenges for organizations around the world. From high-performance tools that help you manage your system and applications to data capture and intelligence solutions to help you streamline your business processes. Long-range, customer-oriented projects and goals are our focus.

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

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 and CLI and guided z/OSMF installation.

JES3^{plus}

JES3^{plus} is a licensed, derivative work based on IBM's z/OS JES3 source code. Created with customers in mind, JES3^{plus} provides existing JES3 customers a common sense alternative to a costly and potentially risky JES2 conversion. Customer implementation involves a trivial migration to a fully supported product with a road map for enhancements, no planned end of life and no additional licensing costs.

PHX-BDT

Phoenix Bulk Data Transfer (PHX-BDT) is comprised of derivative versions of the BDT components, file-to-file 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.



ProTech is a global professional services firm offering IT training, consulting, software and staffing services. We specialize in mainframe and open-source technologies driving innovation in DevOps, AI and cloud.

• protechtraining.com • info@protechtraining.com • 866-358-1727

AIOps

ProTech Consulting

ProTech is a boutique professional services firm specializing in enterprise systems management for large data centers, ensuring the world's most complex IT infrastructures operate seamlessly. With over three decades of industry experience, our principal consultants have been pioneers in areas like IT service management, AI Ops and automation. In addition to specialized consulting, we offer expert mentoring and staff augmentation across 15 technology practice areas, leveraging our extensive training expertise to meet diverse client needs.

ProTech Software

ProTech offers innovative software solutions designed to enhance enterprise systems management and data center automation, leveraging our extensive consulting experience. EZChange for OPS/MVS streamlines policy implementation by automating the management of various elements, reducing errors and labor. REXXexpress is a versatile toolbox that accelerates application development with a robust REXX function library and management tools. RMF Redux provides deep insights into system performance through comprehensive analysis of Workload Manager data, while EZReport for OPS/MVS generates detailed reports for improved oversight of automation efforts.

Education, Skills and Training

ProTech Training

Since 1990, ProTech has educated over 1 million IT professionals, achieving an impressive average of 4.5/5.0 in course evaluations. Our clients include over 70% of the Fortune Global 500, with nine out of 10 Fortune Top 10 U.S. companies benefiting from our expertise. We offer flexible learning options—attend in person, virtually or through our Connected Classroom solution—ensuring top-tier instruction from expert instructors worldwide.



Over 12,0000 global customers trust Rocket Software to solve their most complex IT challenges across applications, data and infrastructure—from mainframe to cloud. By architecting innovative solutions that harness predictive and GenAI to deliver next-generation experiences, Rocket Software meets customers where they are in their modernization journeys and helps them get where they want to be.

- rocketsoftware.com • 855-577-4323 (Toll-free) • 781-577-4324 (Direct)

AI

Rocket Service Orchestration and Automation

Design, visualize, orchestrate and automate business workflows that span across platforms and applications from one centralized location—from mainframe to cloud. Repurpose your precious time and resources for tasks that matter most to your organization with purpose-built AI for predictability and observability. Rocket Workload Automation is a platform designed for the way you work and with the capabilities your business demands.

Cloud and Hybrid Cloud

Rocket Solutions for Hybrid Cloud

Rocket Software’s hybrid cloud solutions help you get the best of both the cloud and on-premises IT infrastructure, from IBM Z to IBM i and distributed systems. Discover, understand, access, replicate and synchronize, and store mainframe data without locking into a platform or cloud provider. Reenvision your IBM i strategy with an endpoint-agnostic suite of products developed with cloud in mind and modernize mainframe and distributed COBOL applications with AI natural language assistants that simplify code analysis and streamline cloud adoption. No matter where you are in your journey, solve your most complex IT challenges with solutions that simplify modernization.

Modernization

Rocket Continuous Modernization

Rocket’s Continuous Modernization Kit (CM-Kit) is a comprehensive suite of tools that empowers you to plan, develop and execute your IBM Z application modernization strategy to achieve the highest return. The Rocket CM-Kit includes Rocket Process Insights, Rocket API and Rocket Modern Experience. Rocket CM-Kit facilitates application modernization for IBM Z without requiring expertise in COBOL. It simplifies cloud migration, streamlines integration across diverse environments, enhances productivity and empowers data-driven decision-making.

Performance

Rocket Mainframe Performance

Enhance mainframe performance, reduce operational issues and optimize both technical and personnel resources with Rocket Software’s mainframe performance management solutions. Our solutions offer enhanced observability of mainframe operations through comprehensive monitoring, streamlined diagnostics of CICS environments and more efficient resource use. Improved mainframe system management, along with reduced mean time to repair and fewer outages, means less downtime, decreased risk, improved performance and more cost savings.

Security

Rocket Solutions for Mainframe Security

Securing your mainframe is about defending against threats as well as ensuring the health and integrity of your mainframe, all while meeting the diverse challenges of today’s dynamic, hybrid IT environments. Secure your mainframe at every level while protecting business continuity and infrastructure resilience through Rocket Software’s solutions for vulnerability management, enterprise storage and performance and data security. Combat code-based, configuration-based and open-source vulnerabilities and improve data backup and recovery to ensure storage cost reduction and optimal mainframe health.

Services Consulting

Rocket Solutions for Content Services

Rocket Content Services enables organizations to bridge mainframe, distributed and cloud tools with a single technology fabric, unifying and governing critical business data and information at scale. We don’t offer a one-size-fits-all solution because there isn’t one. We work with our customers to develop and implement tailored content management solutions that reduce operational costs, improve data access, mitigate compliance risk and improve customer experiences.



RSH Consulting Inc. is a professional services firm established in 1992 and dedicated to helping clients strengthen their IBM z/OS mainframe cybersecurity by fully exploiting the capabilities and latest innovations in RACF. RSH staff is comprised entirely of exceptionally experienced technicians led by a recognized RACF expert. Our finely honed processes and extensive software toolset enable us to deliver the highest quality services efficiently and cost-effectively. For your next RACF project, contact RSH.

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Security

RACF Implementation Services

RSH can tackle almost any RACF implementation, enhancement or remediation task, whether large or small and no matter how intricate. Our services are customized to meet specific client needs and budgets and range from occasional advisor to ad hoc assistance to complete, hands-on implementation. RSH staff can work independently or as teammates alongside client staff. We provide clear explanations of what was done and why so that clients can properly maintain controls going forward.

RACF Security Reviews

RSH reviews pinpoint even the most obscure security exposures and identify opportunities for improving RACF administration and performance. We scrutinize all RACF controls to ensure critical system resources are protected. RSH looks beyond RACF to examine mainframe security policies, standards and procedures, and to inspect RACF-interface configuration options in other system software. This holistic approach provides a more insightful picture of the overall mainframe security posture. Knowing your security exposures is essential to prioritizing remediation.

RACF Training

RSH is at the forefront of training the next generation of RACF administrators, technicians and auditors. Our course series offers the ideal pathway for expanding your RACF skills. RACF Level I Administration covers basic RACF functions and commands. Level II provides greater depth on RACF options and controls. Level III discusses RACF protection for CICS, JES, SDSF, DFSMS, programs and system commands. Securing z/OS Unix addresses the synergistic relationship between File System and RACF controls.



SMT Data is an independent IT company based in Denmark that helps large organizations and outsourcers across the world with mainframe capacity, performance and cost optimization. SMT Data has only one agenda: to help you understand, use and prioritize your mainframe consumption.

SMT Data's solution, ITBI, is compliant and certified according to the highest security standards.

• smtdata.com • info@smtdata.com • 00-45-3962-8887

Business Management Managed Service Providers Performance and Capacity Planning

ITBI transforms your mainframe data into reliable insights for optimizing capacity and performance, driving business success through cost allocation, charge back and informed decisions. The system offers detailed visibility into resource usage across your organization, identifying who is using which resources and to what extent.

The solution features a comprehensive suite of standard reports that enables you to pinpoint cost drivers, identify performance bottlenecks and detect changes affecting cost or service quality. In addition, ITBI enhances your technical data with business dimensions, promoting transparency in the relationship between capacity costs and business activities.

ITBI's intuitive design provides an easy-to-navigate user interface. It includes features such as report search, favorites, user administration capabilities and a dedicated Help Universe for support.

ITBI empowers advanced users to customize analyses by creating or modifying reports and queries, tailoring the solution to meet specific needs. Moreover, ITBI ensures security and compliance with industry best practices and legal mandates delivered as a cloud-based solution: ITBI as a Service (ITBIaaS).



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 • appmod@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.

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.

Lighten the Load: Let Non-Mainframers Leverage Your Data

Mainframe systems hold a goldmine of knowledge about customers, products, operations, transactions and so much more. Smart organizations know there is value to be gained by making this data available for:

- Real-time analysis and business intelligence
- Deploying apps for anywhere engagement
- Artificial intelligence and machine learning
- Cloud analytics and adoption

But before you can turn that data into value, you must be able to access it, understand it and get it where you need it.

Unfortunately, the old strategies of building custom point-to-point integrations for each new requirement or loading into a data warehouse are doomed to fail. It takes too long and consumes too many resources—taxing your mainframe staff who are already stretched thin.

What if you could take the burden off your skilled mainframe team and provide noninvasive data access and integration options to (typically young) developers and analysts who have no knowledge of the mainframe?

To do so, you need a solution that unites differing sources, formats and semantics into a common language—allowing you to quickly connect your enterprise data with new applications and tools, inside and outside your organization, on-premises or in the cloud.

You'll want to seek a solution that:

1. Transforms mainframe data to be accessible and queried using SQL.
2. Creates a common understanding across data silos via metadata unified into a data catalog.
3. Does not impact existing application performance.
4. Extends mainframe security policies and definitions to multiple access levels.
5. Provides read and write capabilities to connect mainframe to cloud and back again.
6. Executes data queries off the mainframe to save computational resources and costs.
7. Provides single virtual view of multiple data sources without moving data.
8. Allows users to explore data without committing to data movement.

Add a simple point-and-click or drag-and-drop interface that does not require knowledge of the mainframe data source, and you've just knocked down a data silo and opened a door to self-service that won't burden your mainframe staff.

The best data integration solution provides options to meet your diverse needs, enabling those who demand your valuable mainframe data to easily access, virtualize or move data between on-premises infrastructure and the cloud—so you can make the most of your data wherever it resides, no matter which application or tool needs it. ■



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.





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.

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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.



SVA Software provides tailored software and services to help mainframe clients optimize performance and control operational costs. Using our powerful zWorkload software and zOptimization services, we deliver customized solutions for challenges such as seasonal demand spikes, month-end processing and capacity scalability. Our team's deep expertise in z/OS ensures clients receive personalized guidance and actionable insights, simplifying implementation and delivering measurable results. We serve as trusted advisors, focused on maximizing efficiency and cost management for long-term business success.

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AIOps

zGuard

zGuard is an on-premises, real-time dashboard solution powered by Grafana, designed for intelligent z/OS resource optimization and cost management. Running on any Linux server, including z/Linux, it continuously gathers and analyzes WLM, LPAR and processor data, offering centralized operations for LPAR HMC configuration optimization. Tailored for sub-capacity pricing, zGuard automates LPAR capping, leading to significant MLC cost savings. With advanced monitoring, alerting and optimization capabilities, zGuard ensures efficient, cost-effective mainframe management, delivering ongoing value to your IT infrastructure.

Performance and Capacity Planning

zWorkload Reporter

zWorkload Reporter provides more than 800 predefined reports and graphs to optimize MSU MLC and reduce costs. It delivers insights on mainframe WLM performance tuning, zIIP utilization, PR/SM weighting factor and logical CP configuration. With advanced performance tuning, capacity planning and expertise in IBM software pricing models, we ensure your mainframe operates cost-effectively. Our service protects critical workloads during peak periods and provides tailored consulting to address any gaps in your system's performance and configuration.

Services Consulting

zOptimization Services

SVA Software's zOptimization services offer advanced systems performance tuning and capacity planning for z/OS environments. Our consulting focuses on optimizing PR/SM weighting factors, logical CP configuration and understanding IBM software pricing models to ensure cost-effective mainframe operations. Using standard RMF/SMF data, we assess and fine-tune your system's performance. Our team provides expert consulting to fill any gaps in expertise, ensuring your mainframe is fully optimized for efficiency, cost savings and peak performance.



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 Anaheim, California, Tone Software is privately held and answers to customers, not shareholders.

Leveraging 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 support 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 unsupported CBT STEPLIB shareware, CA 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 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 delivery to specific recipients on the most cost-efficient platforms.

OMC-FLASH

OMC-FLASH manages all JES3 and JES2 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 JES3, JES3plus and JES2. JES Management capabilities include a REXX API, WLM support, PROCLIB display, Resource Monitoring display, Batch facility, Spool Volume Display and CONFIG to fully customize 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.

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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.

Systems Management

zOSEM for Software Cost Reduction

zOSEM can lower your software maintenance bill effectively, easily and safely by defining processing policies.

With zOSEM you can reduce software license charges. ISV software and IBM MLC products are licensed based on the total capacity of the LPAR(s) on which they run, regardless of how little capacity the products use. If you can run ISV software and IBM MLC products in fewer or smaller LPAR(s), you can significantly lower your ISV software and IBM MLC costs.

zOSEM HSM Reporting 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.

SHARE25

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PRODUCTS

UBS
HAINER

UBS Hainer organizes the data for your software development. Through our software tools, we support and relieve software developers and IT departments by automating test data management and optimizing their systems. We've provided cost reduction, performance improvement, shorter processing time and qualified system automation to our customers for over 25 years.

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

Database

BCV5

BCV5 copies, refreshes and replicates Db2 tablespace and indexes quickly and efficiently between different Db2 subsystems, or within the same subsystem. It comes with a built-in copy tool that works directly on the VSAM level and is much faster than conventional copying methods. Compared to unload/load, BCV5 shortens elapsed copy time by approximately 90% and reduces resource consumption.

XDM-RLP (Row Level Processing)

XDM-RLP copies consistent sets of rows from databases and lets users easily populate test development and other environments. Sophisticated masking mechanisms help build copy processes that comply with data privacy regulations. XDM-RLP saves resources while shortening the development cycle and supplies developers and testers with exactly the data they need.

Systems Management

P-Tracker

P-Tracker supports efficient software asset management. It's a high-performance tracking tool, a comprehensive software catalog and a straightforward reporting tool. P-Tracker has powerful functions but a small footprint, and it helps to keep software asset management simple, efficient and cost-effective.

VANGUARD
INTEGRITY PROFESSIONALS
CYBERSECURITY EXPERTS

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, 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.

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 landscape.

Vanguard Compliance Manager for IBM i on Power Systems (VCMi)

VCMi offers a user-friendly interface that simplifies the auditing process, enabling efficient reporting and analysis. By proactively identifying and addressing vulnerabilities, VCMi helps organizations maintain a strong security posture and reduce the risk of data breaches.

Vanguard Compliance Manager (VCM) With SIEM Connectivity

SIEM technology with VCM provides organizations the ability to monitor, search, analyze and visualize compliance data in real time for automated reporting that supports RACF, ACF2 or TSS. By enforcing policies, leveraging application software and sending real-time alerts, VCM helps organizations strengthen their security posture and meet industry standards like CIS, NIST and custom baselines created from over 700 checks. 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.

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 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.

NEW! Vanguard Software Application Monitoring and 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.

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.

Multifactor Authentication

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.



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

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

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

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.



Vertali creates new 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

Services/Consulting

Mainframe Managed Services and Extended Incident Support

We provide the right mainframe skills, resources and capabilities to extend your in-house teams, including outsourcing and staff augmentation. Vertali’s skills and support are proven across operating systems, subsystems (CICS, Db2, IMS, etc.), storage, hardware, software and ISV tools.

Our experts offer cost-effective Extended Incident Support for z/OS and z/VM operating systems no longer supported by IBM. Our managed services team also 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.

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.

PRODUCTS



Virtel, a division of the Sysperotec Group, is an independent software publisher founded in 1993 that develops, markets and supports a comprehensive suite of System 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@sysperotec.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 which 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
- Is intended for use by personnel familiar with the legacy 3270 application
- Requires NO web programming skills

Communications and Connectivity

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/plugin security risk and ability to centrally manage macros
- Simplified multi-application access using the included Virtel Session Manager

Web Development

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 cloud 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

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