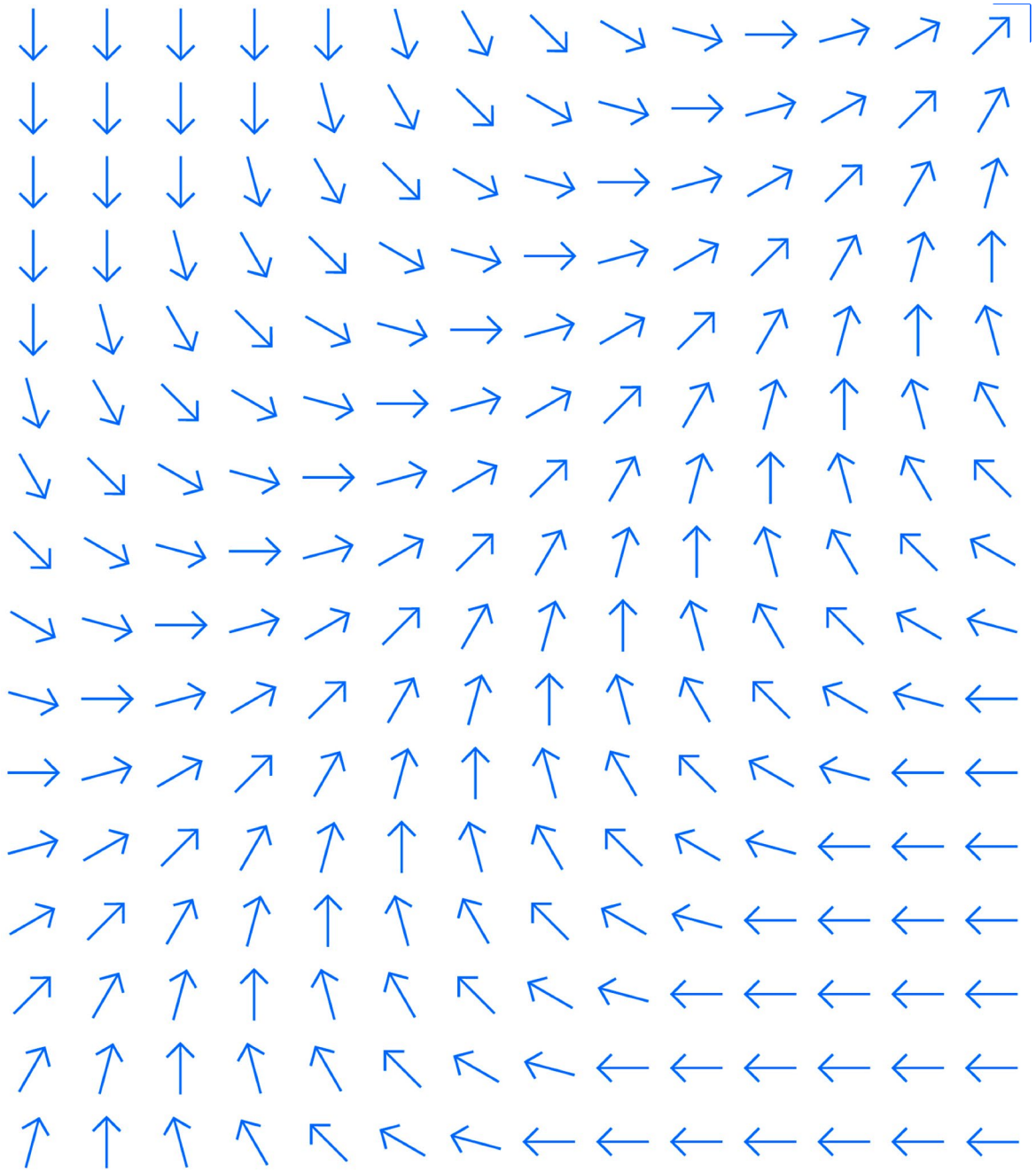
IBM Information Management System

Drive growth in your enterprise

with IMS as the transactional catalyst

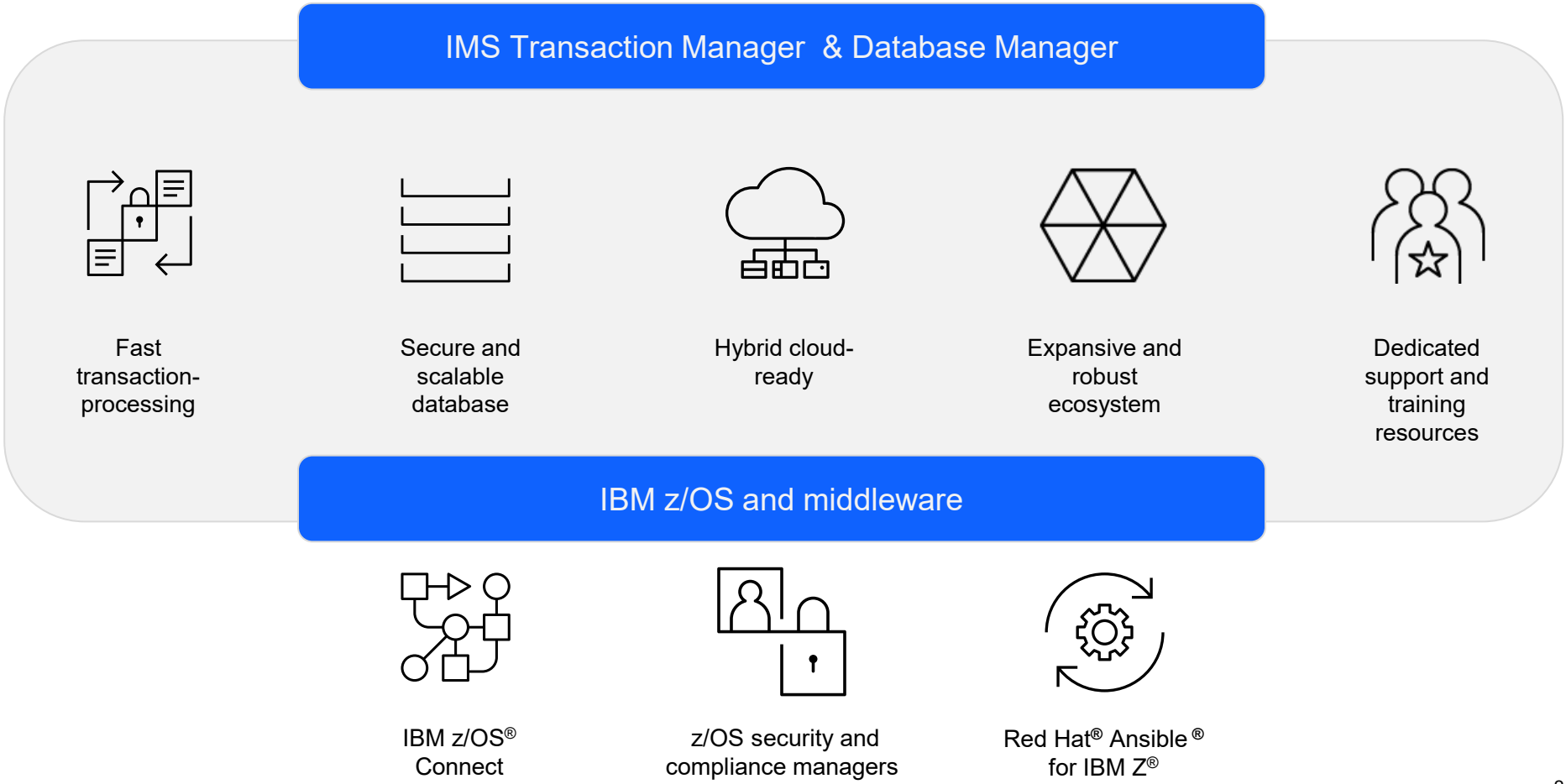
June 2023



IMS calendar of events

IMS™ is an application platform compromised of a database management system and a transaction manager designed for high-performance online transaction and data processing that's critical to support your business.

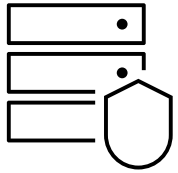
- Established digital transformation paths help you seamlessly integrate IMS into your hybrid cloud architecture.
- Dedicated world-class, around-the-clock team of technical support specialists with decades of experience helping our customers unlock the full value of their infrastructure.
- Continued investments in educational and training resources by IBM as well as partner vendors to help upskill and onboard your developers.



IMS provides a flexible, integrated application platform that helps extend functionality of existing applications by linking them to modern tools and emerging technologies.

Maintain message integrity

IMS applications can process billions of transactions per day, while restart and recoverability facilities ensure that no data is lost, and every record is accounted for.

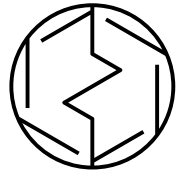


Enhance security

IMS coupled with IBM zSystems™ data and security technologies help safeguard your enterprise with tools that were designed to allow you to securely build, run, and manage your applications.

Increase flexibility

Modernize your cloud by utilizing languages like Java™ and leveraging today's hybrid cloud methodologies in conjunction with IBM z/OS Connect to make IMS data and transactions easily accessible.



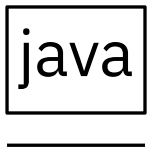
Get hybrid cloud ready

Automate IMS with open-source tools and Ansible® for faster, simpler deployment.

Streamline your DevOps pipeline with cloud-ready APIs that seamlessly integrate to drive agility and efficiency.

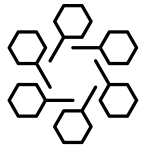
Key features

Transform your infrastructure with Java applications and automated DevOps



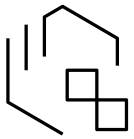
Flexible frameworks

Access IMS transaction and data with Java or JDBC applications from anywhere. Accelerate in-place modernization of existing IMS COBOL or PL/I applications with Java interoperability.



Automated DevOps

Deploy IMS applications faster by automating your DevOps pipeline to drive agility and efficiency with Ansible on Z.



Cloud Native development and self-service provisioning

Empower developers to self-provision the IMS environment from Open Shift to develop IMS applications with cloud native tooling of their choice with the IBM Z and Cloud Modernization Stack.

IMS Catalog, SQL and DDL

Manage IMS database with standard DDL language using the IMS Native z/OS DDL Utility (zDDL). Enable open access to IMS data from cloud using SQL to help reduce talent gaps and enable access to more users.

Benefits

Developers can use familiar languages, frameworks, APIs, and tools to extend and modernize IMS applications

Developers can modernize large applications using a low-risk stepwise approach

Developers can safely and efficiently maintain application resources alongside source

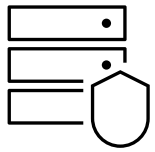
Developers can be self-sufficient by provisioning or interacting with IMS system using Ansible

Automation can efficiently build, test and deploy to all environments

Key features

Transform your infrastructure with Java applications and automated DevOps

Trust and compliance

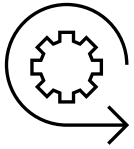


Pervasive encryption

Enable IBM Z pervasive encryption with z/OS data set encryption of IMS data with minimal CPU overhead and no application changes.

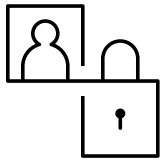
Locking and logging

Robust lock management and extensive logging, ensure that every record is accounted for, and no data is lost or inadvertently deleted.



Database Recovery Control facility (DBRC)

Maintain information required for database recoveries, generate recovery control statements, verify recovery input, maintain a separate change log for database data sets, and support sharing of IMS databases and areas by multiple IMS subsystems.



IBM Z Security and Compliance Center

Easily gather evidence of information security controls and demonstrate compliance to auditors.

Benefits

Business owners have a documented path to adopt a zero trust strategy to protect critical data with minimal cost

Auditors have a clear understanding of how IMS applications are compliant with continuous monitoring and compliance metrics

System programmers and security administrators can use comprehensive tools and diagnostics to identify security definitions and resolve issues.

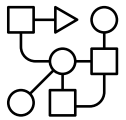
Developers can use comprehensive trace to understand application requirements for security configurations

Key features

Transform your infrastructure with Java applications and automated DevOps

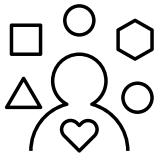
Trust and compliance

Increased business agility



IBM z/OS Connect

Integrate hybrid cloud with IMS applications and database using REST APIs including OpenAPI 3 support

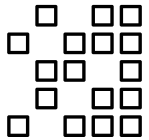


IBM Z Integrated Accelerator for AI

Infuse AI into IMS transactions to make timely and better decisions, and achieve improved business outcomes

Ansible automation

Automate IMS operational tasks and infrastructure configuration with standard automation framework using Ansible for Z IMS Collection.



IBM Event Streams & MQ

Integrate IMS applications and data with event stream consumers and producers based on Apache Kafka®

Benefits

Architects and developers have a clear choice of how to integrate with hybrid cloud architectures – using tools and no coding provided by z/OS Connect, or by writing applications in Java

Developers can efficiently and securely infuse AI in transactions compared to making requests to distributed platforms

Developers can fully automate testing applications to reduce risks of regressions and improve agility

Architects and developers can integrate with event driven architectures

Key features

Transform your infrastructure with Java applications and automated DevOps

Trust and compliance

Increased business agility

Reduced cost

Tailor Fit pricing (TFP)

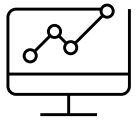
Optimize cost through currency, consumption pricing, and best-fit platform approach

Shorten time to market

Controlled infrastructure costs help unlock business value to focus on delivering innovation in faster cycles.

Education

Reduce skills gaps and cost of development by equipping your team with self-paced, badged, no-cost IMS courses and educational tools.



IBM Z Anomaly Analytics with IBM Watson®

Enhanced monitoring of IMS systems with anomaly detection and prediction.

React with automated correction actions and with lower operation costs.

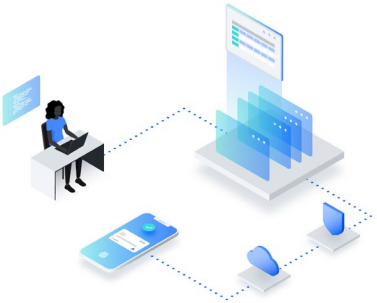
Benefits

Developers can easily acquire IMS knowledge which significantly shortens project onboarding time

With TFP, there are no more surprise costs, d*evelopers are* empowered to build new features rather than focus on reducing cost.

System programmers can efficiently monitor for early warning signs and automate alerts and actions

Take the next steps to drive growth in your enterprise with IMS as the transactional catalyst



Hear what our customers have to say

Read the Atruvia case study

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