



Linux on System z9 and zSeries

Integrating IMS and Linux on System z9 and zSeries for your On Demand Business

Description

IMS™ Connect provides high-performance, scalable communications between applications running on Linux® on the IBM System z9™ and eServer zSeries® and IMS applications and data, driving your on demand business with high volume, security-rich transactions and Web services.

Highlights
IMS Connect takes advantage of the System z9 and zSeries integration capabilities when Linux is running side-by-side with z/OS® inside a mainframe
Supports high performance communications between one or more Linux for System z9 and zSeries clients and one or more IMS systems
Provides commands to manage the connection environment from Linux for System z9 and zSeries to IMS and to assist with workload balancing
Reduces design and coding effort for these client applications
Provides easier access to IMS applications and data for driving on demand business

Delivers Linux Connectivity with IMS

IMS Connect, running under z/OS, can provide easy access to IMS applications and data from applications running on Linux for System z9 and zSeries or other environments. Based on the internal connectivity, it can provide high performance - almost at memory speed, a vastly efficient network, simplified management, and is highly secure.

Delivers Dynamic Web Content

IMS Connect, used with the IBM WebSphere® development environment and IMS Connector for Java™, can significantly ease and speed development of on demand solutions that access IMS applications and data. For access to IMS, IMS Connector for Java provides Java class libraries based on the J2EE Connector Architecture (JCA).

Addresses the need for enterprise application access

IMS Connect for z/OS is IBM's premier access product for IMS, providing advanced security and transactional integrity in TCP/IP access to IMS from the Linux for System z9 and zSeries environment. This includes the JCA XA two-phase commit support for transactional integrity, and SSL, Passticket and Trusted User support for enhanced security.

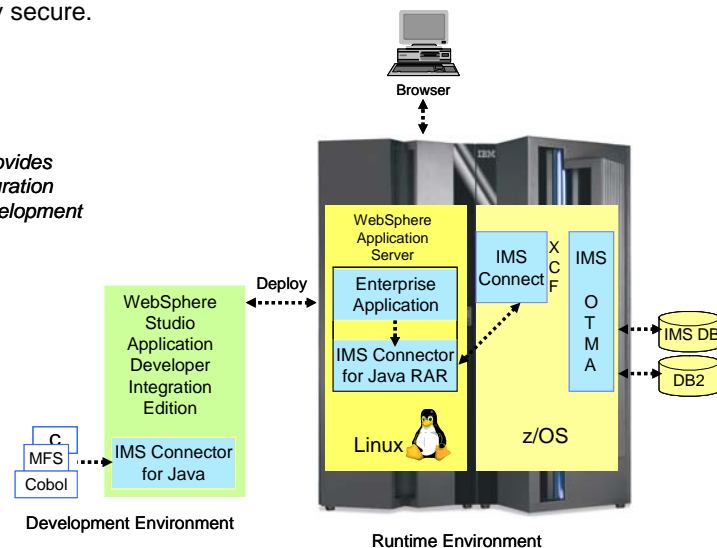
Utilizes IMS Connector for Java from Linux

IMS Connector for Java, included with IMS Connect, provides an adapter for Java applications deployed in WebSphere Application Server for Linux on System z9 and zSeries. The applications can thus easily connect to existing customer, supplier, and partner applications and data, allowing use of Web and J2EE applications, or Web services to quickly transform static Web sites into sources of dynamic Web content.

Leverages the system architecture

IMS Connect allows clients to send messages to IMS using the MVS™ Cross Coupling Facility (XCF) and the IMS Open Transaction Access (OTMA) interface, thus allowing for cross-sysplex communication between IMS Connect and IMS.

IMS Connect provides information integration in application development and connectivity





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Advantages

- Supports high performance communications between one or more TCP/IP or local/390 clients, and one or more IBM IMS systems
- Provides commands to manage that environment and assist with workload balancing
- Can reduce design/coding effort for client applications
- Provides easier e-business access to IMS applications and operations

IMS Connect for Linux on System z9 and zSeries offers:

Comprehensive build-to-integrate platform

Improve time-to-value by building new integration-ready applications that leverage existing assets. System z9 and zSeries provides the fast data access to integrate the vast amount of data, applications and systems running Linux, z/OS and z/VSE™.

Integrated application development

Helps maximize ROI and may lower labor costs with superior developer productivity and the flexibility of an open integration of best-of-breed tools.

Agile deployment and administration

Can help lower cost of ownership and minimize startup investment with autonomic, highly productive, flexible administration, deployment and management services. The IMS Connect Extensions tool extends your ability to measure and analyze activities that take place with your IMS Connect environment, utilizing comprehensive event recording and performance monitoring features, dynamic workload management capabilities, and additional security features.

Offering the utmost in performance and end-to-end application Quality of Service optimization

Create competitive advantage and optimize price/performance while addressing continuing need for change of dynamic on demand business with a virtualized environment featuring world-class reliability, scalability, performance, and security of System z9 and zSeries running Linux.

Providing a foundation for the future

IMS Connect is part of the overall restructuring of IMS for the 21st century and is architected as the base to continue to address future IMS connectivity requirements. IMS Connect is designed so that the drivers are interchangeable. The alternative front

end and back ends already provided with IMS Connect, enable IMS to exploit new, additional and enhanced protocols and interfaces.

More Information

- IMS Documentation/Brochures/Newsletters: ibm.com/ims
- IMS Connect for z/OS Version 2.2 – General Information: ibm.com/software/data/db2imstools/pdf/imsconnectv22.pdf
- Linux on System z9 and zSeries: ibm.com/zseries/linux

Contact Information

For more information, please contact your IBM sales representative or IBM Business Partner. Visit us at ibm.com/linux