Virtual **IMS** User Group

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Virtual IMS User Group Presentation

Z/OS ENTERPRISE INFORMATION SERVER

In October, the Virtual IMS User Group was visited by Stan Muse from *Edge Solutions and Consulting*. Stan presented on "*Z/OS Enterprise Information Server.*" The presentation focused on implementing AI and machine learning using mainframe systems such as Db2, IMS, and VSAM. During his session, Stan began by discussing the challenges faced by various industries, particularly in the finance sector, including reduced deposits, loan losses, rising interest rates, and increased regulatory scrutiny. He emphasized the importance of AI in enhancing operations and staying competitive.

Stan then highlighted the AI imperative and its impact on the job market, mentioning the potential benefits of AI in improving lives, reducing waste, and providing better-than-human results. However, he also acknowledged the need for AI to comply with regulations and address data security and privacy concerns.

The presentation delved into the challenges of data access for AI and proposed using the mainframe as an enterprise information server to address these challenges. In his presentation, Stan suggested allocating a separate zOS LPAR for near real-time access to core systems data, aiming to reduce data duplication, improve data security, and provide a single point of entry for external users.

He further discussed the benefits of implementing an LPAR on the z16 mainframe system as an enterprise information server. The presentation highlighted the consolidation of data servers, improved data security, simplified infrastructure, and the ability to respond to regulatory requirements. Stan also provided insights into the technical aspects of implementing a data sharing sysplex for high availability.

Additionally, the he outlined the implementation steps and considerations involved in setting up a data sharing system using LPARs, coupling facilities, and various subsystems. It emphasizes the goal of ensuring high availability, disaster recovery, and efficient data access across the mainframe environment.

Finally, Stan discussed the process of adding a new data sharing member, z/OS EIS LPAR, to the existing Db2 system. he covered the necessary steps for initialization, user authorization, subsystem security, and integration with IMS and CICS. He also highlighted the importance of IBM Data Virtualization Manager (DVM) for accessing and joining various data sources, and emphasized the benefits of using DVM for AI, including real-time access, accountability, traceability, and security features.

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NEXT VIRTUAL MEETING – December 12, 2023 | 10:30 AM CDT

IMS Connect Reimagined: Leveraging SQL to Access IMS Data in Today's Digital Ecosystem

Step into the modern era of IMS by modernizing IMS Connect to support newer technologies and architectures, such as cloud computing, RESTful APIs, and microservices. Join us for a comprehensive overview of setting up environments optimized for both JAVA and PYTHON programming techniques, ensuring smooth interactions with IMS databases. Learn how to navigate common challenges throughout the development, testing, and production phases with IMS Connect and ODBM interfaces. Lastly, we'll dive into the details of Events and TRACES, empowering you with robust tools for efficient troubleshooting and optimal performance tuning.
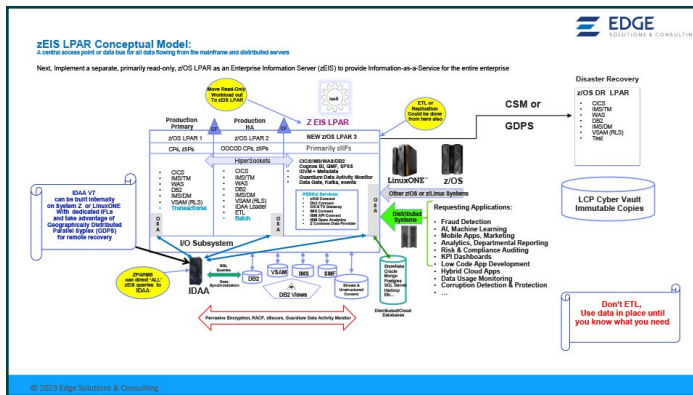
Santosh Dorge
Lead Product Developer,
BMC Software

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Z/OS ENTERPRISE INFORMATION SERVER
Continued

Overall, z/OS Enterprise Information Server provided insights into implementing AI and machine learning using mainframe systems, addressing both technical and business challenges. It emphasized the significance of data access, consolidation, and security while highlighting the benefits of using an enterprise information server and leveraging technologies like DVM for efficient data management.

Access the Recording

NEWS AND ANNOUCEMENTS

- The user group has been in existence since 2007 and is well-respected among users of *IBM© IMS®*. The user group gives its sponsors an opportunity to show that they are working with, and helping to build, the IMS user community.
  Contact **virtualusergroups@gmail.com** for more information.

- After you register for our next event on December 12, save the date for our February 14th session.

ABOUT THE VIRTUAL IMS USER GROUP

The Virtual IMS User Group is an independently-operated vendor-neutral site run by and for the mainframe IMS user community. This is a mainframe IMS information website, not in any way related to, sponsored, or approved by IBM, which is the legitimate owner of the trademark, and any use of the mark in the URL or the body of the site is for information, education, and opinion expression purposes. The Virtual IMS user group was established as a way for individuals using IBM's IMS for z/OS database to exchange information, learn new techniques, and advance their skills with the product. Anyone with an interest in IMS for z/OS is welcome to join the Virtual IMS user group and share in the knowledge exchange.

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