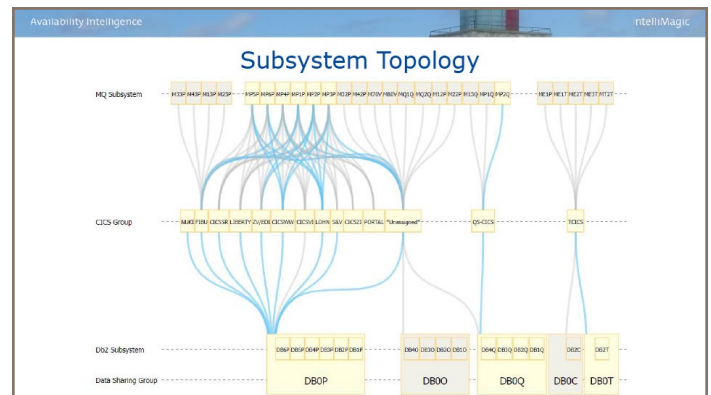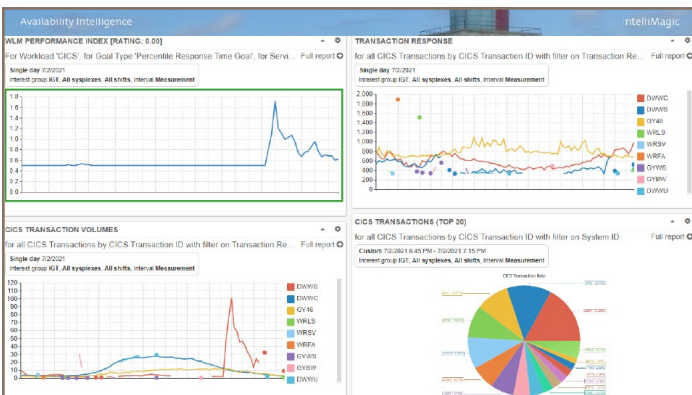Virtual CICS User Group Presentation

ENHANCED ANALYSIS THROUGH INTEGRATING CICS AND OTHER TYPES OF SMF DATA

In my recent Virtual User Group session with Todd Havekost from IntelliMagic, we focused on the practicalities and benefits of integrating various SMF (System Management Facility) data types for mainframe performance analysis. Our discussion centered around how merging data from CICS, Db2, MQ, and zOS Connect can lead to a more comprehensive understanding of system interactions and performance optimization.

One key aspect we explored was the use of RMF 72.3 records for evaluating the performance of service classes. Integrating this data with CICS transaction data from SMF 110 subtype one provides a clearer picture of system efficiency and resource allocation. This approach allows for quick identification of performance bottlenecks and offers solutions for optimization.

We also examined the interactions between CICS regions, Db2 data sharing groups, and MQ managers. Understanding these relationships is crucial for improving system reliability and operational efficiency. We delved into how visualizing these connections can reveal potential areas for system improvement and streamlining.

Our session further discussed the analysis of work that originates from CICS and interacts with Db2 and MQ subsystems. We looked at elapsed time profiles, CPU utilization, and transaction-level data to gain insights into system performance and resource usage. This detailed analysis is critical for targeted system enhancements and effective troubleshooting.

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NEXT VIRTUAL MEETING | March 12, 2024

CICS Event processing and CICS policies

CICS event processing and CICS policies are two relatively 'new' features in the long history of CICS.

Using event processing enables you to extend core business applications and build extra valuable solution without the complication of code change. CICS policies enable a flexible management of running CICS region with automatic response to certain conditions.

This session will deep dive into these two features, with example use cases of them, the differentiation between them, how to create, enable and manage the event and policy resources.
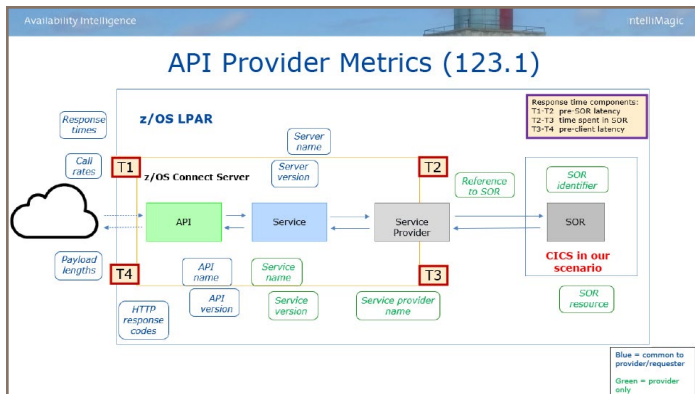
Jenny He
PhD, IBM Master Inventor,
CICS Development
IBM Hursley Park

REGISTER

ENHANCED ANALYSIS THROUGH INTEGRATING CICS AND OTHER TYPES OF SMF DATA
Continued

An important part of our discussion was on zOS Connect SMF 123 data, particularly how it correlates with CICS transaction data. We focused on identifying patterns in response times and CPU utilization to address system latency issues. This is vital for improving API performance and enhancing user experiences.

In conclusion, our session highlighted the importance of integrating diverse SMF data types for a more effective CICS analysis and mainframe performance optimization. This approach, as Todd Havekost and I discussed, is crucial for organizations aiming to achieve deeper system insights, operational efficiency, and continuous improvement. As we continue to manage complex mainframe systems, leveraging integrated SMF data insights is essential for maintaining optimal performance and reliability.

Access the Recording

Mainframe Technical Exchange

Broadcom Customers and Partners are invited to join Mainframe experts and peers for the **2024 Mainframe Technical Exchanges**! The first event, the *European Mainframe Technical Exchange*, is in Prague, Czech Republic, on **April 16–18**. Save your spot for Broadcom's premier Mainframe technical events of the year!

Register today and start planning your participation in technical and educational sessions, delivered by Mainframe experts.

Collaborate with your peers and colleagues through a mix of technical sessions, product roadmap updates, and roundtable discussions. There will also be plenty of networking opportunities!

Also, save the date for the North American and virtual events - registration will open for these Mainframe Technical Exchanges soon:

- **September 10-12**: North American Mainframe Technical Exchange In-Person in Plano, Texas (**save the date**)
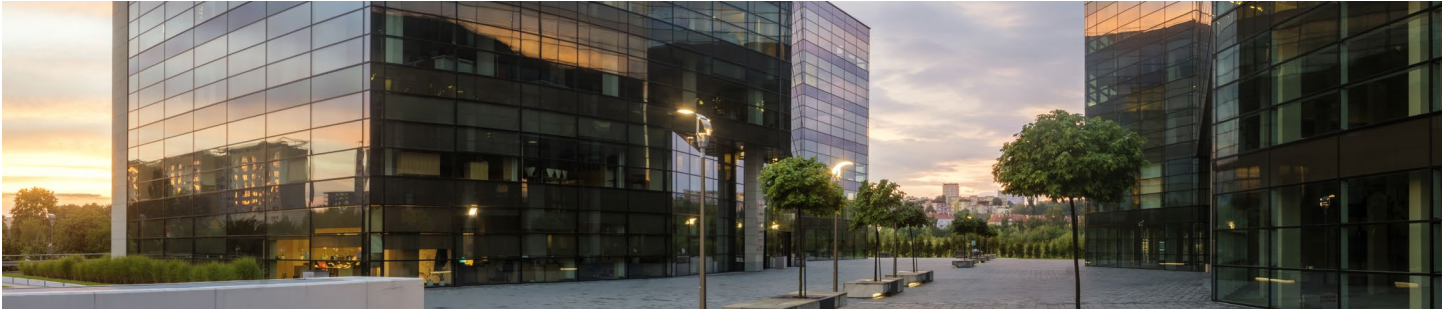- **October 8-10**: Global Virtual Mainframe Technical Exchange (**save the date**)

Limited spots are available for the in-person events, so register as soon as possible.

Mainframe Technical Exchanges are limited to Broadcom customers and partners and there is no registration fee to attend these events.

View the latest event information, session information, and registration updates **here**.

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NEWS AND ANNOUCEMENTS

- Sponsorship opportunity—We are looking for additional co-sponsors for the Virtual CICS user group. The user group gives its sponsors an opportunity to show that they are working with, and helping to build, the CICS user community.
  Contact virtualusergroups@gmail.com for more information.

- After you register for our next event on March 12, save the date for our May 14 session.

GENERATIVE AI AND CICS

Would you like Generative AI to be a topic of an upcoming meeting?

☐ No, too soon

☐ Yes, even high-level context would be helpful

☐ Yes, but only CICS use cases

☐ Yes, and I have use cases I would like to share

Answer Here

ABOUT THE VIRTUAL CICS USER GROUP

The Virtual CICS user group was established as a way for individuals using IBM's CICS TS systems to exchange information, learn new techniques, and advance their skills with the product. The Web site at https://virtualusergroups.com/cics/ provides a central point for coordinating periodic meetings (which contain technically-oriented topics presented in a webinar format), and provides articles, discussions, links, and other resources of interest to IBM CICS practitioners. Anyone with an interest in CICS is welcome to join the Virtual CICS user group and share in the knowledge exchange. To share ideas, and for further information, contact virtualusergroups@gmail.com. The Virtual CICS user group is free to its members.

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