

On behalf of the Mainframe Application Tuner development team, let me share the exciting news that are available for you.

What are the latest additions to the development?

- MAT DB – SQLite support
- Feature Registration Service
- CICS global user exits enabled for Threadsafe

Continue reading for more detailed descriptions.

MAT DB – SQLite support

It has been known for some time now that MAT provides additional ways of storage to the traditional MDS (Monitor Dataset Sets) in the form of MAT Database (MAT DB). Until now, users could have used the MAT DB option relayed via Datacom AD or DB. We are further simplifying and expanding the envelope with a support of SQLite DB.

Why to use MAT DB at the first place?

MAT DB allows you to utilize MAT REST APIs and ZOWE CLIs to flexibly work with the measurement data based on your distinct needs.



What are the benefits of using SQLite for MAT DB?

✓ **A lightweight database solution**

Lower cost and resource consumption

✓ **Optimized performance**

Up to 3x faster than off-host database

✓ **Easy to install**

Just a few clicks with the simplified MAT customization procedure

✓ **Easier data accessibility**

Use various tools to quickly view the database content



Be sure to check out a [short video](#) introducing this functionality.

Should you seek more information please refer to related MAT documentation articles here:

- New (simplified) [customization procedure for Embedded databases](#)
- Updated [Using the MAT Database](#) article.

This enhancement is available via PTFs [LU07968](#) [LU07969](#)

Feature Registration Service

Broadcom mainframe products that deliver enhancements using Continuous Delivery (CD) such as MAT can use the Common Components and Services (CCS) Feature Registration Service (FRS) to register themselves with the IBM Function Registry for z/OS enabling you to have more insights of:

- The running Broadcom mainframe products that have been registered through the FRS
- The features of those products, including:
 - The feature state (enabled or disabled)
 - How often the feature was used (if the product calculates feature usage)
- The maintenance levels of those products

You can use the following methods to view the registry information:

- **SYSVIEW**

- Performance Management Version 16.0 or higher**

- Displays detailed information about a single product. You must have a SYSVIEW license to use this method.

- **IBM FXEPRINT batch utility**

- Displays detailed information about all registered Broadcom mainframe products.

- **Your system console**

- Displays the feature enablement status for a single product.

More about this feature in this documentation article: [Use The Feature Registration Service](#)

This functionality is available via PTF [LU07950](#)

CICS global user exits enabled for Threadsafe

Mainframe Application Tuner uses the following CTS Global User Exits:

XPCFTCH - Before an application program is given control.

XPCREQC - After a LINK request has been completed.

XMNOUT - Before a record is to be written to SMF.

XSTOUT - Before a statistics record is written to SMF.

With this enhancement, the user has the choice to install these exits in either Quasi-Reentrant mode or Threadsafe mode.

Using Quasi-Reentrant (QR) mode requires that programs run single-threaded on the CTS QR task control block (TCB). However, in the CTS Open Transaction Environment, when programs are defined to CTS as threadsafe, they can run concurrently on open TCBs. Using Threadsafe may, depending on the user's application workload, reduce TCB switching in CTS = improving CICS performance.

To enable either of choice you execute the MAT customization step 10.

For more information, see the updated [Define CICS Support](#) article in MAT documentation.

This enhancement is available via PTFs [LU08006](#) [LU03057](#)

For more information about *Mainframe Application Tuner V12*, see the release notes in [MAT V12 documentation](#).

Thank you for choosing Mainframe Application Tuner to improve your application performance. Are you interested in a live demo? Would you like to get an update about the product roadmap or PoC? Feel free to contact us directly. We are always interested in your thoughts and feedback.

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