TXSeries for Multiplatforms V8.2

Improved performance and enhanced application development

IBM® TXSeries® for Multiplatforms is a distributed transaction processing middleware for C, C++, COBOL, Java ™, and PL/I applications in a cloud environment, as well as in traditional data centers. TXSeries provides a reliable, scalable, and highly available platform to develop, deploy, and host mission-critical applications. It also integrates well into a mixed-language, multiplatform, service oriented architecture (SOA) solution. Uniquely, TXSeries is also designed to allow you to scale up to IBM CICS® TS on the mainframe when your business grows.

This new version, TXSeries for Multiplatforms V8.2, provides enhancement in the areas of performance and application development.

New features

Improved performance

The performance of TXSeries for Multiplatforms V8.2 is improved in all areas.

- Up to 5 times improvement in response time, and up to 50% reduction in memory footprint while processing large data, using channels and containers over IP interconnectivity (IPIC) protocol.
- Up to 40% improvement in transaction response time for CICS applications written using Micro Focus COBOL.
- Improvement in transaction throughput and multifold reduction in memory footprint for CICS applications written in Java by using shared class caching in JVM.
- Upto 40% improvement in performance for batch applications accessing VSAM files in Structured File Server (SFS).
- Overall improvement in transaction throughput, in comparison to previous releases of TXSeries.

The performance improvements described above might vary, subject to application, system configuration, and operating environment.

Enhanced application development

- Introduces support for COBOL-IT, for Linux on x86 and Microsoft Windows.
- Extends Micro Focus COBOL support to include Visual COBOL on AIX®, Linux on x86, and Microsoft Windows.
- Supports propagation of origin data across inter-related tasks within and between CICS systems.
- Supports Temporary Storage Queue (TSQ) names up to 16 characters.
- Provides an option to toggle the XA Resiliency feature.
- Supports IBM COBOL application developers simultaneously debugging their online CICS Applications
- Supports enhanced IP Sockets interface for COBOL on AIX and Linux x86
- Supports External Call Interface (EXCI) facility on AIX and Linux on x86.
- Supports concurrent TCP/IP Listener programs with the implementation of the CICS sockets listener (CSKL) transaction on both AIX and Linux on x86.

Additional serviceability enhancements

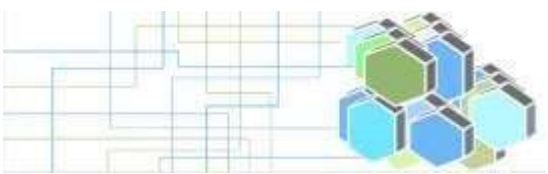
- The showProcInfo utility is enhanced to collect process stack traces faster on AIX and Linux on x86.
- A backup mechanism for the console.msg log file is introduced.

Unique differentiators

- Cost-effective distributed transaction processing offering for traditional language workload.
- TXSeries can be scaled up to CICS TS on the mainframe, if the needs of the business grows.
- Integrates data and applications in distributed solutions and enterprise systems, such as CICS, IBM IMS ™, IBM DB2®, IBM WebSphere® MQ.
- Extends CICS applications to the web using CICS TG and WebSphere Application Server.
- Extends traditional language applications to mobile using IBM MobileFirst™ platform (formerly IBM Worklight®) and CICS TG
- Allows applications to be hosted in a traditional datacenter, as well as hosted in cloud.
- Extends CICS applications to integrate in an SOA architecture using web services.
- Reuses existing CICS applications and application programming skill sets in an organization, consistent with a corporate distributed platform policy.

Available now

Announced September 8th 2015, TXSeries for Multiplatforms V8.2 is available electronically from 25th September 2015. For more details, refer to Software Announcement 70351.



More details

Operating systems requirements:

- Microsoft Windows Server 2012, Microsoft Windows Server 2012 R2
- HP-UX 11i V3 (B.11.31.0909) on HP Integrity Platform
- AIX 6.1 TL9 and AIX 7.1 TL3
- RHEL V5.9, V6.4, SLES 11 SP3, and Ubuntu 14.04 on x86 architecture

Software requirements:

- IBM CICS Transaction Gateway for Multiplatforms V9
- IBM WebSphere MQ V7.5.03, V8.0.0.1IFIX1

Databases:

- DB2 V9.7 FP5, DB2 V10.1, DB2 V10.5
- Oracle V12.1
- Microsoft SQL Server V2012, 2014

Languages supported:

- IBM XL C/C++ Enterprise Edition V11, V12 for AIX
- IBM COBOL Set for AIX V4.1.1
- IBM PL/I set for AIX V3.1
- Micro Focus Server Express COBOL V5.1 WP7 Java 2 Runtime Environment, Standard Edition7.0, SR5
- HP C/aC++ C.11.31.03
- Micro Focus Server Express COBOL V5.1 WP8
- Java 2 Runtime Environment, Standard Edition 7.0 SR5
- Microsoft Visual Studio V2012, V2014 Update 4
- COBOL-IT Compiler suite Enterprise Edition V3.8.30
- Micro Focus Visual COBOL for Eclipse 2.2 Update 2, Visual COBOL for Visual Studio 2013 2.2 Update 2, and Visual COBOL for Visual Studio 2012 2.2 Update 2
- Java 2 Runtime Environment, Standard Edition 7.0, SR8

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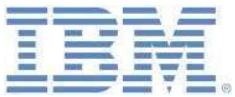

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