



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

- Support for COBOL-IT on the Intel Linux platform.
- Extends Micro Focus COBOL support to include Visual COBOL.
- IBM COBOL application developers can now simultaneously debug their online CICS Applications.
- Temporary Storage Queue (TSQ) names can now be up to 16 characters length.

In addition, as part of serviceability improvements, the *showProcInfo* utility has been optimized to collect process stack traces in less time, when compared to previous releases.

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 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.

Key Benefits

- Delivers simplified and powerful distributed transaction processing capability.
- Improved overall performance.
- Enhanced application development for COBOL developers using support for new COBOL compiler environments.
- Allows running and extension on cloud, such as IBM SoftLayer.
- Enables application extension on mobile platforms through CICS TG and IBM MobileFirst platform.
- Delivers simplified interoperability, improved system resilience, and problem de-termination.
- Allows CICS applications to be extended to make use of the web and web services.
- Enhanced IP Sockets interface to support COBOL.
- Support for External Call Interface (EXCI) facility.
- Support for concurrent TCP/IP Listener programs through the implementation of CSKL.

Available now

Announced February 17th 2015, TXSeries for Multiplatforms is available electronically from 13th March 2015. For more details, refer to Software Announcement 61130.



More details

Operating systems requirements:

- IBM AIX® 6.1 TL9 and AIX 7.1 TL3
- Red Hat Enterprise Linux V5.9, V6.3, SUSE Linux Enterprise V11 SP 3, and Ubuntu 14.04 on X86 architecture

Software requirements:

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

Databases:

- IBM DB2 V9.7 FP5, V10.1 , V10.5
- Informix® Dynamic Server V4.10 UC2
- Oracle V11.2.0.3, Oracle V12.1
- Sybase Adaptive Server Enterprise V15.7, V16

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 Edition 7.0, SR5

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