

# **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  $^{\rm TM}$ , 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**

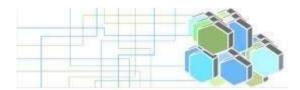
- Cost-effective distributed transaction processing offering for traditional language workload.
- TXSeries can be scaled up to CICS TS on the mainframe, if the needs of the business grows.
- Integrates data and applications in distributed solutions and enterprise systems, such as CICS, IBM IMS <sup>TM</sup>, 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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