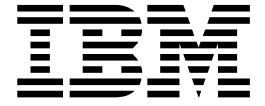


TXSeries for Multiplatforms



# Release Notes

*Version 91*



TXSeries for Multiplatforms



# Release Notes

*Version 91*

**Edition notice and copyright information**

This edition applies to Version 9 Release 1 of TXSeries for Multiplatforms (product number 5724-B44) and to all subsequent releases and modifications until otherwise indicated in new editions.

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## About this book

This document introduces you to the IBM® TXSeries® for Multiplatforms V9.1, provides information on contents of the software package and lists the known problems and limitations.

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## Who should read this book

This document provides basic download related information for IBM TXSeries for Multiplatforms V9.1.

The following documents and related information pages can help you get started:

- TXSeries for Multiplatforms Library: <http://www.ibm.com/software/htp/cics/txseries/library/>
- TXSeries for Multiplatforms V9.1 documentation at the IBM Knowledge Center: [http://www-01.ibm.com/support/knowledgecenter/SSAL2T\\_9.1.0/com.ibm.cics.tx.doc/ic-homepage.html](http://www-01.ibm.com/support/knowledgecenter/SSAL2T_9.1.0/com.ibm.cics.tx.doc/ic-homepage.html)

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## Conventions used in this book

This document uses the following typographical, keying and product name conventions.

*Table 1. Conventions that are used in this document*

Convention	What it stands for
Monospace	Indicates text that you must enter at a command prompt. Monospace also indicates screen text and code examples.
<b>Bold</b>	Indicates values that you must use literally, such as commands, functions, and resource definition attributes and their values. When referring to graphical user interfaces (GUIs), bold indicates user action.
<i>Italics</i>	Indicates variable values that you must provide (for example, you supply the name of a file for <i>file_name</i> ). Italics also indicates emphasis and the titles of books or documents.
TXSeries	Refers to IBM TXSeries for Multiplatforms V9.1 for IBM AIX® and Linux on x86 platforms.

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## How to send your comments

Your feedback is important in helping to provide the most accurate and highest quality information. If you have any comments about this book or any other TXSeries documentation, send your comments by e-mail to [ibmkc@us.ibm.com](mailto:ibmkc@us.ibm.com). Be sure to include the name of the book, the document number of the book, the version of TXSeries, and, if applicable, the specific location of the information you are commenting on (for example, a page number or table number).



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## Chapter 1. Contents of the software package

This chapter describes the contents of the IBM TXSeries for Multiplatforms V9.1 software.

The IBM TXSeries for Multiplatforms V9.1 is supported on AIX and Linux on x86 platforms.

The following file is included as part of the IBM TXSeries for Multiplatforms V9.1 software package. You can choose to download and uncompress the following file, based on your operating system:

- For AIX: CNF3KML.tar
- For Linux on x86 : CNJ6BML.tar

The directory structure in the folder are provided in Table 2.

Table 2. Directory structure and listed files for supported platforms

File name	Information
<b>license</b>	Contains License Agreement information for TXSeries.
<b>java</b>	Contains IBM Java™ Software Development Kit (SDK), Version 1.8 + SR2. The Java SDK is included on the TXSeries for Multiplatforms software. For support and maintenance information for the SDK, see the Java technology Web site: <a href="http://www.ibm.com/developerworks/java/jdk/index.html">http://www.ibm.com/developerworks/java/jdk/index.html</a>
<b>TXSeriesV91.res</b>	Response file for silent installation.
<b>ReleaseNotes.pdf</b>	Contains basic overview and information on files for supported platforms.
<b>ReleaseNotes.txt</b>	Contains basic overview and information on files for supported platforms, in accessible format.
README_en_US.htm	Introduction to IBM TXSeries for Multiplatforms V9.1.
<ul style="list-style-type: none"><li>• For AIX: CNF3KML.tar</li><li>• For Linux on x86 : CNJ6BML.tar</li></ul>	Executable file that installs the IBM TXSeries for Multiplatforms V9.1.

The root directory of the IBM TXSeries for Multiplatforms software contains the TXSeries readme file (README.lang.htm, where *lang* is the language in which you are installing TXSeries) and the installable binary image file that comprises the TXSeries for Multiplatforms software. For a complete description of the product image and for instructions on installing it, see the installation information provided in the TXSeries for Multiplatforms Version 9.1 Knowledge Center.



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## Chapter 2. New and changed features

IBM TXSeries for Multiplatforms is 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 offers a reliable, scalable, and highly available platform to develop, deploy, and host mission-critical applications. The value of a clients' existing IBM CICS® application assets can be extended with the use of TXSeries V9.1, by:

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### Exposing applications as RESTful APIs

TXSeries for Multiplatforms V9.1 enables clients to participate in the API Economy by exposing their existing applications as RESTful APIs:

- Adheres to the Open API specification and allows auto generation of swagger documents on the creation of those APIs.
- Integrates with IBM API Connect to provide discovery and monitoring facilities.

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### Extending business logic in Java Enterprise Edition (EE) and deploying on IBM WebSphere Application Server

TXSeries for Multiplatforms V9.1 supports bidirectional invocation across Java EE and CICS applications to maintain single transaction context. CICS Transaction Gateway (CICS TG) V9.2 Fix Pack 1 is a prerequisite for bidirectional integration between TXSeries V9.1 and WebSphere Application Server.

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### Enhancements to documentation

TXSeries now provides documentation in the Knowledge Center. All documentation for TXSeries V9.1 is provided as down-loadable plug-ins, making it simple to obtain. To obtain the relevant documentation plugin, visit the IBM Publications Center, at <http://www.ibm.com/shop/publications/order>.

Major revisions to the documentation library provide better clarity, improved product deployment, information retrieval, and administration.



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## Chapter 3. Supported IBM and third-party products

IBM TXSeries for Multiplatforms Version 9.1 is supported for use with a variety of IBM and third-party software products. Refer to the Web page at <http://www.ibm.com/software/http/cics/txseries/requirements.html> for a complete list of the names and version numbers of all IBM and third-party products supported for use with TXSeries for Multiplatforms.

**Note:** The list of supported products is updated periodically to show the most recent information.

IBM adheres to its published interfaces, in addition to the published interfaces of its partners. If you experience unanticipated interactions when using TXSeries for Multiplatforms with a supported third-party product, contact your support representative from IBM and the third-party product vendor, as appropriate.



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## Chapter 4. Important notes and recommendations

The following important notes and recommendations helps you to work with the IBM TXSeries for Multiplatforms V9.1 better:

- To expose TXSeries applications as RESTful APIs, you need to have IBM API Connect and CICS Transaction Gateway installed on an x86 Linux machine and TXSeries V9.1 and CICS Transaction Gateway installed on the AIX or x86 Linux machine. For more details, see topic "RESTful API support for TXSeries" in TXSeries V9.1 Knowledge Center.
- For IPIC communication between CICS Transaction Gateway and TXSeries, two phase commit XA transactions are supported in local mode only.
- Two phase commit protocol over IPIC is supported only between TXSeries and WebSphere Application Server.
- In a two phase commit deployment involving WebSphere Application Server and multiple TXSeries regions, communication protocols that support only single phase (such as cics tcp) should not be used across TXSeries regions.

For more information on the listed notes, see the TXSeries for Multiplatforms V9.1 documentation in the IBM Knowledge Center at <http://www-01.ibm.com/support/knowledgecenter/>.



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## Chapter 5. Limitations and known problems

The IBM TXSeries for Multiplatforms V9.1 has the following limitations. You can perform your tasks better by planning your activities keeping in mind the following:

- In deployment scenarios when a transaction is initiated at TXSeries and extends to Java EE applications on WebSphere Application Server, multiple syncpoint operations are not supported within the same TXSeries application.
- In deployment scenarios when a transaction is initiated at TXSeries and extends to Java EE applications on WebSphere Application Server and to applications on other TXSeries regions, the TXSeries region, which is the transaction coordinator, should be the one that invokes the Java EE application. Other TXSeries regions which are participants in the transaction cannot invoke Java EE applications. See the topic "Bidirectional XA support with WebSphere Application Server" in TXSeries V9.1 Knowledge Center for more details.
- In deployment scenarios where a transaction is initiated at TXSeries and extends to Java EE applications on WebSphere Application Server and to applications on other TXSeries regions, channels and containers are not supported.
- TXSeries V9.1 allows your application assets to be exposed as RESTful APIs. However, channels and containers are not supported with this feature.
- For more information, see the TXSeries for Multiplatforms V9.1 documentation in the IBM Knowledge Center at <http://www-01.ibm.com/support/knowledgecenter/>.



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## Chapter 6. Fixed defects in TXSeries for Multiplatforms Version 9.1

This section lists defects that have been fixed since the 8.2 release of TXSeries.

- **IV83491:** TO DISABLE COBOL SIGNAL HANDLER WITH CICS\_CORE\_ASRA SETTING.
- **IV85559:** REGION CRASHES AS CICSAM PROCESS FAILS TO CREATE CICSAS.
- **IV89458:** SEND MAP API LEADING TO TERMINAL HANG WITH PROG633 OR PROG750 ERROR.
- **IV81591:** TXSeries Admin Console displays few garbled messages.
- **IV87172:** ADD MESSAGES ERZ039010W AND ERZ007060E TO THE KNOWLEDGE CENTER.
- **IV83890:** SET CONNECTION API RETURNS WRONG VALUE WITH IPIC PROTOCOL.
- **IV83841:** REGION OCCASIONALLY CRASH WITH U5701 DURING EAM AUTHENTICATION IPIC.
- **IV83774:** TXSeries smitty panel display issue.
- **IV89245:** CICSAS CRASHES WITH TRANMONITOR FEATURE WHEN SAFETYLEVEL IS SET TO NORMAL.
- **IV79894:** THE GARBLED MESSAGE SHOWS IN REGION CONSOLE FILE FROM WEB ADMIN CONSOLE IF CHOOSING 'SIMPLIFIED CHINESE' DURING INSTALLATION.
- **IV87364:** PROGRAM NAME UPDATION FAILS WITH AUTOINSTALL USER EXIT.
- **IV83465:** CICS<sup>®</sup> SNA LISTENER PROCESS CRASHES WITH SIGNAL 11.
- **IV81683:** REGION STATUS SHOWING AS STOPPING EVEN AFTER REGION CRASH.
- **IV83955:** EXCEPTION RAISED OCCASIONALLY DURING IBM COBOL APPLICATION COMPILATION.
- **IV89249:** CESN TRANSACTION ABENDS WITH A147.
- **IV94709:** CVDA Definition for WARMSTART missing in dfhvalue.inc file.
- **IV94672:** CICS\_API\_STACK returns BYADDR when DEFAULT(REturns(BYADDR)) PLI compiler option is specified.
- **IV94674:** CICS Preprocessor for PLI converts string literals into upper case specified with in quotes.
- **IV94662:** CICS Preprocessor for pli generates incorrect code for container API.
- **IV93583:** SFS Ofds leak post forcepurge of cicsas in a region configured with RM.
- **IV94188:** During stress tests lot of A144 abend occurs in console.
- **IV96208:** EXEC CICS LINK PROGRAM() COMMAREA IS DISPLAYING GARBAGE WHEN USING EXECUTION DIAGNOSTIC FACILITY (CEDF).
- **IV96109:** CECI START TRANSID not working on LINUX.
- **IV96072:** CEDF DISPLAYING A GARBAGE CHARACTER FOR ASSIGN PROGRAM API.
- **IV91289:** MULTIPLE CIPC\_DUMP INSTANCES CREATED WHILE COLLECTING DEBUG INFORMATION.

- **IV96069:** PROGRAM NAME UPDATION FAILS WITH AUTOINSTALL USER EXIT .
- **IV91355:** sarpcd crashes with core.
- **IV95735:** EXEC CICS RETURN TRANSID IMMEDIATE option does not work.
- **IV95736:** READQ TS API NUMITEMS option value resets to ZERO in failure cases.
- **IV96207:** CICSAS crashes with mutex error while termination.
- **IV95208:** CICS SNA Listener process crashes with signal 11.

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## Fixed defects in TXSeries for Multiplatforms Version 8.2

This section lists defects that have been fixed since the 8.1 release of TXSeries.

- **IV61184** DFHDFT fails to override a field's extended attribute with the default
- **IV61151** IBM DEBUGGER FAILS TO STOP AT TXSERIES APPLICATION SOURCE.
- **IV68495** changes to handle CONTAINER and CHANNEL API error codes
- **IV54398** USER ADDED TO SYSCAT.DBAUTH TABLE IF -U OPTION NOT PROVIDED
- **IV61157** TXSeries XA configuration steps to use Oracle as RM
- **IV61150** Debug IBM COBOL app with CEDF on windows fails to show WS
- **IV61132** cicsteld core dump during exit
- **IV68702** Region down with U4802 after processing a force purge request
- **IV61102** PERFORMANCE ISSUE WITH CICS-MICRO FOCUS COBOL APPLICATIONS
- **IV61309** CICS is starting more than one sarpcd process in a system
- **IV61126** The cicshpterm prints error while exiting terminal through CESF
- **IV61148** CICS MONITORING FACILITY LOGS DEFAULT PROGRAM NAME FOR CPMI
- **IV68648** TKADMIN QUERY REDIRECT TRACE COMMAND FAILS
- **IV61138** TERMINAL DATA STRUCTURE CORRUPT LEADS REGION DOWN
- **IV61376** The new transactions are getting delayed in ppc\_tcp communication
- **IV61153** FORCEPURGE FAILS TO COMPLETE WHEN CICS MONITORING FACILITY IS ENABLED
- **IV59948** Validate NetworkID and ApplID of Capex response to CTG
- **IV61187** symrecs.nam synchronization issues
- **IV61147** CICSAS HANGS ON FILE OPERATIONS
- **IV61374** CICS Application hangs while loading CICS map
- **IV62833** Logical TDQ record read fails
- **IV68703** Region abends with U5701 due to inconsistency in the SQL cache
- **IV63315** region crashes with U1001 during cleanup of cicasas
- **IV68593** Performance issue with application using large number of APIs
- **IV63509** GET CONTAINER API fails with EIBRESP code 123
- **IV68704** U5655 ABEND due to crucial lock held by terminated process
- **IV63360** DYNAMIC LOAD OF CICS PLI APPLICATIONS FAILED
- **IV63142** Terminal installation succeeds with undefined netname
- **IV63818** cics region hangs occasionally during startup
- **IV68701** cicasas crashes occasionally with EAM set and SafetyLevel=normal

- **IV68452** tkadmin query lvol shows incorrect volume usage information
- **IV66410** Accessing console file leading to Error 500
- **IV65964** CICS PL/I pre-processor code results in compilations error
- **IV67021** REGION IMMEDIATE SHUTDOWN LEADING TO ERZ096004E
- **IV67273** CICSAS process hang as MF COBOL exit handler function
- **IV68457** NEWCOPY FAILS TO RELOAD NETEXPRESS COBOL APPLICATIONS
- **IV76866** CICSAS generates core during termination when WLM exits configuration
- **IV73656** CICSIP process reports high CPU usage
- **IV76885** CDCN not working with native debuggers
- **IV76867** CICS region crashes with U4802 ABEND
- **IV76887** COBOL app with static CALL fails to reload after NEWCOPY
- **IV76889** cicsas fails with signal 11 under SafetyLevel=Normal
- **IV74667** cicsas process occasionally waits in gth\_lock and hangs
- **IV74933** SFS server crash due to invalid protocol ID
- **IV76891** CICSWLMSTAT COMMAND DOES NOT PROVIDE OPTION TO SELECT THE PLEX
- **IV76894** CICSAS terminates abnormally with error in SQL cache

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## Fixed defects in TXSeries for Multiplatforms Version 8.1

This section lists defects that have been fixed since the 7.1 release of TXSeries.

- **IV29433**: Low performance for more no of records when db2 files are converted.
- **IV35944**: Buffer Overflow Investigation : **cicsanimsev** fix.
- **IV41562**: IPIC communication fails if a container has the POST string.
- **IV45772**: INCORRECT EIBFN FOR CICS CHANNELS AND CONTAINERS API.
- **IZ49063**: SYNCPOINT ROLLBACK fails after reaching QZERO.
- **IV02824**: **cicsas** receives signal 11 while handling MF COBOL cleanup.
- **IV07098**: **cicstcl** fails to include copybooks from COBCPY on Windows.
- **IV03062**: DFHRESP gives incorrect RESP value with Integrated compiler.
- **IV07097**: AIX - Mainframe ISC Workload memory leaks observed in ppcgwy.
- **IZ70594**: Regionpool leak due to improper HCB cleanup.
- **IZ74510**: EXEC CICS LOAD fails to load the program with ProgType=table.
- **IV03060**: Recovery application server SEGVing while recovering the transaction.
- **IZ79176**: Opening files in IBM DB2® with long index name.
- **IV03033**: CICSRL process uses high CPU.
- **IZ81240**: CICSAS process hang during forcepurge.
- **IZ86597**: **cicsteld** hangs.
- **IZ84787**: Wrong display in CEBR output when LANG is set to Ja\_JP.
- **IV03059**: SQL error 519 seen on repeated duplicated entry writes to ESDS.
- **IZ86866**: IBM Informix® NonThreaded Cobol Cheese samples.
- **IV03063**: **cicsas** SEGV when attempting to load a non-existent COBOL program
- **IV03056**: Region comes down with A57A on FP when monitoring is enabled.
- **IV01213**: terminal details not cleaned up after PCOMM closure.
- **IV01797**: CICS RPC BINDINGS ARE GETTING DELETED IMPROPERLY.
- **IV09086**: Improved XA connectivity of CICSAS process when RM restarts.

- **IV30520:** **sarpcd** comes down abnormally.
- **IZ63117:** A148 abend due to improper transaction application identifier.
- **IZ58387:** B:IPIC connection fails on double byte locale.
- **IZ63299:** Rename the env variable `RPC_SUPPORTED_PROTSEQ`.
- **IV11573:** Restricting **sarpcd.log** size.
- **IV25026:** CICSSL process terminated with SIGSEGV and reported U6301 abend.
- **IV27687:** Error message in log file during fixpack install without backup.
- **IV29117:** REGION START FAIL TO OPEN SFS FILES WHEN IPV6 IS ENABLED.
- **IV33855:** I-FIX installation fails during process check in DBCS environment.
- **IV36692:** Region going down with internal error during forcepurge.
- **IV38551:** **cicscp** status command for an SFS provides invalid output.
- **IV45164:** Service Message loops in CICS region console.
- **IV46495:** CICS Transaction fail in DB2 IBM pureScale® environment.
- **IV50221:** CICS REGION ABENDS WITH U4419 AFTER CICSIP CRASH DUE TO SIGPIPE.
- **IZ65797:** Region down with U1606 abend.
- **IZ74716:** Region hang due to CICSAS process SEGV at initialization stage.
- **IZ76728:** Task number gets reset before reaching 99999.
- **IZ72433:** Region down with U5701 abend.
- **IZ88477:** CICSAM CRASHES WHEN CICSAS GOT FORCEPURGED.
- **IZ98774:** CICS region crashed due to region pool corruption.
- **IV03884:** CICS region auto/warm mode start hung during startup.
- **IV08041:** CICSAM crashed during cleanup of forcepurged CICSAS resources.
- **IV09883:** WARNING MESSAGE due to REMOTETCPADDRESS ATTRIBUTE SETTING.
- **IV30475:** CICSAS PROCESS OVERRIDING JVM SIGNAL HANDLER.
- **IZ54867:** Hang in signal handler due to use of `system()` function call.
- **IZ61619:** Work Load Management (WLM) fails to perform DTR.
- **IZ61619:** To support WLM Dynamic Transaction Routing.
- **IZ70210:** CICS REGION CRASHED WITH U4802 ABEND.
- **IZ76698:** Communications error 15a00007/a000100 with **cics\_tcp** protocol.
- **IZ83286:** CICSAS processes are continuously terminate with A57A abend.
- **IZ88669:** ABEND U5701 GENERATED WHEN CONSOLE.NAM FILE IS EMPTY.
- **IV03057:** U5655 ABEND after a transaction fails with AKCS ABEND.
- **IV03005:** CICS Transaction fails with A43B abend after communication error.
- **IV08983:** To Correct Nanosecond part of CICS timestamp on Windows.
- **IV09057:** ENABLE TCP\_NODELAY ON WINDOWS FOR CICS\_TCP PROTOCOL.
- **IV11751:** CICS region hangs and doesn't respond to any client requests.
- **IV12572:** EXEC CICS API fails in PL/I application on Windows.
- **IV26074:** CICS Region Hangs during startup.
- **IV29597:** **cicswlmcfg** command fails with -D option.
- **IV38362:** CICS PROCESS CRASHES WHEN CICS TRACE IS ENABLED.
- **IZ62727:** **idebug** disconnects on EXEC CICS RETURN.
- **IZ60421:** CICS\_SNA\_RECEIVE\_TIMEOUT does not work for APPC RECEIVE API.

- **IZ60420:** XCTL API fails to return to application when no loadable found.
- **IZ75238:** CICSRL startup fails without proper info when CICS\_HOSTS is set.
- **IZ75239:** CICS MAP fails to load on AIX with EXTSHM setting.
- **IZ62249:** EXTFH CREATE TABLE FOR DB2 V9 FAIL WITH DUPLICATE INDICES.
- **IZ63091:** "File creation fails for standalone tools on DB2".
- **IZ63795:** **cicsteld** gets a core after region shut down.
- **IZ67474:** IDEBUG ISSUES.
- **IZ76269:** PUT STATEMENT ON PL/I RESULTS IN ERZ027001E .
- **IZ99382:** CICSAS hangs after receiving SEGV.
- **IZ95346:** XA SWITCHLOAD FILE IN MF COBOL FOR MSSQL.
- **IV06929:** BMS MAP COMPILATION FAILS WITH ERZ005027E.
- **IV12192:** Enable user specific debugging with CDCN.
- **IV14706:** CICS TCP/IP client connections fail with CTG VERSION 7.2.0 late.
- **IV14467:** CICS TCP/IP client connections fail with socket close error.
- **IV20183:** TXSeries DB2 file operation fails with ERZ082302E error.
- **IV19472:** DEBUGGING CICS MICROFOCUS COBOL PROGRAM WITH ANIMATOR FAILS ON.
- **IZ75818:** DISCREPANCY BETWEEN TASK AND TRAN COUNT IN STATISTICS.
- **IZ64179:** How to limit date in **cicssfnt**.
- **IZ76803:** SET NEW COPY implementation changes in Windows.
- **IZ81454:** SFS fails to come up in HP-UX if data volume > 2GB.
- **IV01124:** CICS Mapset is not updated completely after NEWCOPY.
- **IV02701:** OPTION TO CHANGE 'CICSTCL' DEFAULT COMPILATION FLAG ON WINDOWS.
- **IV05531:** CICS self consistency check fails with U2425 ABEND.
- **IV31244:** SFS dumps core and goes down abnormally.
- **IV11718:** **cicscp** status all gives delayed response.
- **IV11179:** Remove **pthread\_getunique\_np** function from SARPC.
- **IV31262:** Disabling CIPC\_SHMBASE environment variable in HP-UX platforms.
- **IV20672:** Enabling transaction timeout in IPIC.
- **IV31261:** SFS abnormally terminated after generating a core file.
- **IV36866:** RETRIVE API GIVING LENGERR WHILE RETRIEVING DATA.
- **IV40106:** CICS utilities are failing with RPC\_UNSUPPORTED\_NETADDRS.
- **IV45244:** **cicscp** stop command takes long time to complete.
- **IZ60556:** While putting data using PUT CONTAINER, if we try to convert it.
- **IZ60723:** While getting the data using GET CONTAINER with INTOCCSID option.
- **IZ69095:** **ncadg\_ip\_udp** deprecation errors for cics processes in Windows.
- **IV03154:** Task goes down with A57A during ENQ/DEQ calls.APAR.
- **IZ77001:** **cicsip** fails to start upon quick region restart.
- **IZ50047:** **cicsip** fails to start upon quick region restart.
- **IZ77625:** Japanese codepage IBM-943 cannot be set on Windows regions.
- **IZ89244:** EXEC CICS DELAY API WITH REQID FAILS TO WORK AFTER FORCEPURGE.

- **IV11346:** Add notification for shortage of Task Private pool for **cicstep**.
- **IV12427:** **cicscp** command fails to create volumes for SFS.
- **IV16551:** Disable generation of core during exception in task termination.
- **IV19076:** **cicscp** command causing core dump during sfs startup.
- **IV20858:** Resolving synchronization issues for Logical IP TDQs.
- **IV33093:** Cleanup of SARPC shared memory.
- **IV36443:** **cicsas** crashes with signal 11 during an async tran cancel.
- **IZ91522:** Communication timeout for **cics\_tcp** protocol.
- **IV15740:** Resolving recursive lock for the TDQ's.
- **IV03036:** TXSeries ifix installer fails in **ps -ef** command.
- **IV46884:** TXSeries Java application execution redirects stdout to stderr.

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## Fixed defects in TXSeries for Multiplatforms Version 7.1

This section lists defects that have been fixed since the 6.2 release of TXSeries.

- **IZ39911** U3466/A57A abend after CICSAS, which was executing an asynchronously started transaction, terminates abnormally.
- **IZ43887** Create region with DB2 as file manager generates signal 11 when **tablespace** option is specified.
- **IZ33445** Invalid **-s** option with **cicssfscree**.
- **IZ08073** Incorrect start code returned after getting ERZ007011E error message.
- **IZ08769** Transactions hang waiting for ENQ lock due to numerous forcepurges in the region.
- **IZ08839** CICS administration console does not allow for more than one startup program but should allow 10.
- **IZ09664** Error message when trying to create DB2 as file manager with **-u** option.
- **IZ09732** Win32 API error in SETSERVICESTATUS error 6 when shutting down the region or SFS.
- **IZ09865** CICSAS abnormally terminates during a **strcpy**.
- **IZ09951** SARPC memory allocate error when shutting down SFS.
- **IZ10782** Web admin does not display the user added XML tags on console log file.
- **IZ10865** File locks held by **cicsgc** process and not released.
- **IZ11275** U5655 abend caused by CICSAS process termination due to incorrect transaction state.
- **IZ12231** Garbage collection process **cicsgc** terminates after logoff.
- **IZ12941** Number of CICSAS crossed more than the MaxServer sometimes on a warm start of a CICS region.
- **IZ13714** CICS task loops and CICSAS uses 100% CPU when CMF monitoring is enabled on CICS region.
- **IZ14013** Chat abends with A11A abend code due to **cicteld** coming up with RPC handle.
- **IZ14033** Create **.ibmcob** file produced by RDZ for programs that do not contain CICS statements.
- **IZ14043** Errors processing COBOL source with RDZ.
- **IZ14380** U1651 abend during transaction recovery.

- **IZ14815** Provide for the use of `RPC_UNSUPPORTED_*` environment variables in TXSeries 6.X.
- **IZ15542** Retry logic implementation for the RPC endpoint registration failures.
- **IZ16615** HMON of WLM records incorrect node status.
- **IZ17167** Invalid `-s` option with `cicssfscree` from TXSeries 6.0.
- **IZ18170** Failure in connecting to Oracle 11g database using EXTJH programs.
- **IZ18342** To disable CICS signal handler for signal 6 (SIGABRT).
- **IZ18501** Region down with U5701– unable to delete TSQ as it is already in use.
- **IZ19320** Enable `tablespace` option with `cicsdb2conf` command. .
- **IZ19557** `cicsteld` process does not terminate.
- **IZ20204** Region crash with U1651 abend.
- **IZ20452** `cicsgc` process is not terminating after default timeout.
- **IZ21964** Corruption in standard error stream of `cicsnp` listener process.
- **IZ22192** `cicstlrm` hung after CESF transaction.
- **IZ22271** The Web administration GUI does not show the console files for the regions.
- **IZ22391** Integrity problem due to forcepurge acknowledgement wait.
- **IZ22711** Region abends with U4801 due to memory corruption.
- **IZ23216** Setup instructions for `cicstlrm` command are incorrect.
- **IZ23938** Region crash during cleanup of CEDF data of remote transaction.
- **IZ24443** Releasing COMMAREA pointer twice caused a JAVA program hang.
- **IZ26465** TDQ becomes unusable after abnormal termination of TDQ reader.
- **IZ28956** `sarpcd` terminates on receiving SIGDANGER.
- **IZ29124** Compiling map file using `-e` option fails with unsuccessful memory allocation when map file has `XINIT=""`.
- **IZ29779** Problem with COBOL copybook translation when using EXEC CICS HANDLE ABEND and EXEC CICS HANDLE CONDITION APIs.
- **IZ30975** `cicsddt` fails to load records from a flat file when the file contains only records.
- **IZ31404** Abend AA47 when executing the CDCN transaction through a CICS Universal Client EPI client program.
- **IZ31850** Inconsistent cold start process when a cold start is forced.
- **IZ32485** U5701 while establishing conversation with remote TXSeries region.
- **IZ33036** SEGV in `cicsic`, `cicsld`, `cicsrl` during region shutdown on Solaris platform.
- **IZ33120** `sarpcd` terminates on receiving SIGDANGER.
- **IZ33445** Invalid `-s` option with `cicssfscree`.
- **IZ33607** `cicsgc` does not terminate because CIPC TCA is not cleaned up.
- **IZ37192** Opening a file in EXTJH COBOL application fails.
- **IZ37717** `cicstran` to handle debugging character 'D' in column 7 for COBOL programs.
- **IZ38202** CICS IP listener process hangs during transaction timeout processing.
- **IZ39812** CICS region pool memory leak when asynchronously started transaction fails to schedule.
- **IZ40463** Region fails to start when `EXTSHM=ON` set in `/etc/environment`.
- **IZ41917** Invalid characters appeared in the CSTB transaction output.

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## Fixed defects in TXSeries for Multiplatforms Version 6.2

This section briefly describes defects that have been fixed since the 6.1 release of TXSeries.

- **IY96649** U3466 abend during normal task termination when using XA compliant database as Resource Manager or File Manager.
- **IY92099** Region Pool Memory leak in TXSeries CICS region using XA compliant database as FileManager or Resource Manager.
- **IY92451** Avoid forever looping while dumping ENCINA structure.
- **IY89224** U5701 abend received when a COBOL program is repeatedly called from a C program with COBOL caching disabled.
- **IY90319** Abend U4419 in process CICSIP as a result of a EXC\_E\_ILLADDR.
- **IY91826** Abend U3466 after CICSAS process ends unexpectedly.
- **IY97979** Region shutdown hangs if tracebuffer is set on.
- **IY98253** U4419 abend in receive thread of CICSIP process.
- **IY89969** Performing an inquire of a non-existent TS queue returns a normal response rather than QIDERR when the EI trace is on.
- **IY92876** CICS cannot detect the terminal is not active after network failure.
- **IY95412** RTS 200 error after using COBOL NEWCOPY.
- **IY90359** EXTFH browse operation does not work on secondary index with all operators.
- **IY99786** A158 abend occurs on HP systems with CICS trace running.
- **IY95577** Duplicate TSQ record in CICS database.
- **IY97926** Improper handling of multibyte character stream.
- **IY95676** U1601 abend occurs when transaction has already been aborted.
- **IZ02624** MAX TCLASS value not refreshed in the CST9 screen when modified using CEMT.
- **IY78066** CMF fields 96 (EXEC-CICS) and 216 (CICS-CPU) are not reset correctly.
- **IY84897** "Program full path name" field in all dump output is empty.
- **IY86598** The CICSNP process gets a illegal exception while trying to connect using CTG.
- **IY93287** C++ PROGRAM compiled with -AA option abends on HP platform.
- **IY95686** Improper clean-up of RPC communication structure during forcepurge.
- **IY91050** cicssdt takes a long time to display the recording meter, when uploaded a file to the SFS server.
- **IZ01261** Task shared pool summary fields showing negative values when STATFILE is formatted.
- **IZ04287** Application server Id leak when the process terminates abnormally.
- **IY93688** Improper terminal uninstallation when task is terminated abruptly.
- **IY97901** Avoid AEIQ abend when we are trying to create a TSQ which is already exist.
- **IY90517** Application server hang when MF COBOL application receives signal.
- **IY96163** EXEC CICS set unable to set string type attributes.
- **IY90479** cicstran command cannot translate code with Korea characters when locale is set to KO\_KR.
- **IY93303** Synchronize multiple threads calling TERTL\_EXIT.
- **IY93300** Process hangs in CIPC\_MutexLOCK because the mutex address is not word aligned.

- **IY93301** CICSIC (client process) hangs in CIPC\_CONNECT because cicsteld (server) has gone away.
- **IZ04619** cicstran is misplacing period in .cbl file after translation.
- **IZ04578** Low performance for more no. of records when SFS files converted to flat file (STOF) in cicssdt.
- **IZ03495** Not able to login in Admin Console.
- **IZ03012** User specifying SFS\_PERMITTED\_RIGHTS authority in OFD specification results in the error- insufficient authority.
- **IY99753** Web Admin Console doesn't show some stanza entries.
- **IY92635** Server is failing to start while using SMITTY on AIX platform.
- **IY97649** cicssdt unable to load a flat file greater than size 32K which dumped with ASIS option.
- **IY92059** CICS Administration Console shows an error 404 on Windows and will not start.



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## Chapter 7. TXSeries for Multiplatforms documentation

The complete documentation library for TXSeries for Multiplatforms is available as Hypertext Markup Language (HTML), which you can view by using an Eclipse help system and Portable Document Format (PDF).

TXSeries for Multiplatforms Version 9.1, supports only a subset of documentation in the PDF format. For supported languages other than English, only a subset of the documentation is available as translated. The books and plug-ins available in the documentation library for TXSeries for Multiplatforms Version 9.1 are listed in “The documentation library for TXSeries for Multiplatforms” on page 22.

**Note:** Where only a subset of the documentation is available for a supported language, there might be links to other documentation not available in that language. This would be available in English.

The documentation library for all supported languages including U.S. English is provided with the product as HTML and PDF files (wherever available), on a single Quick Start/documentation for TXSeries for Multiplatforms Version 9.1.

You can also access or download the TXSeries for Multiplatforms documentation from the IBM Publications Center at <http://www.elink.ibm.link.ibm.com/public%20/applications/publications/cgibin/pbi.cgi> or through the TXSeries for Multiplatforms support pages at <http://www.ibm.com/software/ts/txseries/library>.

The documents that are on the Quick Start Guide/documentation are available in the following formats:

- **Eclipse Help System plug-in**

This is a structured HTML representation of the information that allows you to search across the library. For instructions about how to view the Eclipse Help System plug-in, including instructions for adding the documentation plug-in to an existing Eclipse installation on your machine, see the readme file that is on the Quick Start Guide/documentation.

- **PDF**

Using the latest version of the Adobe Acrobat Reader or the Acrobat plug-in for your Web browser, you can view, search, or print the PDF documentation. (The Adobe Acrobat Reader with Search Option can be downloaded from the Web at no charge.)

For information about installing and viewing the documentation, refer to the readme file on the Quick Start Guide/documentation.

For more information about other sources of information about TXSeries for Multiplatforms, see “Information on the World Wide Web (WWW)” on page 22.

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## The documentation library for TXSeries for Multiplatforms

This section shows all documentation that is available for TXSeries for Multiplatforms Version 9.1.

*Table 3. Documentation library*

Form number	Document name	Document description
GC34-7358-00	TXSeries for Multiplatforms Release Notes	Provides platform and release-specific information about TXSeries for Multiplatforms, including descriptions of new features, updates on features or changes that were learned too late for incorporation into the product documentation, descriptions of defects that have been fixed since the last release of the product, and information about known restrictions that were associated with TXSeries for Multiplatforms and, where possible, a suitable workaround.
GC34-7357-00	TXSeries for Multiplatforms Messages and Codes	Lists and describes all messages and codes that can be issued by a TXSeries for Multiplatforms system.
SK4T-2734-00	TXSeries for Multiplatforms documentation plug-in	Provides the complete documentation for TXSeries for Multiplatforms in U.S. English and supported languages. Where documentation in a supported language is not available, the U.S. English documentation is provided.

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## Information on the World Wide Web (WWW)

Many sources of information on TXSeries for Multiplatforms is accessible from the TXSeries home page, at <http://www.ibm.com/software/ts/txseries>.

This site includes information about TXSeries for Multiplatforms, including the complete online documentation set and details of educational opportunities and events that are related to these products. This site also provides access to the TXSeries for Multiplatforms support site, which contains TXSeries for Multiplatforms Program Temporary Fixes (PTFs) and information about third-party products that are supported for use with TXSeries for Multiplatforms. The Web pages on this site include:

- Online product documentation (<http://www.ibm.com/software/ts/txseries/library>), which includes the latest version of the TXSeries for Multiplatforms Release Notes.

- Technical support information (<http://www.ibm.com/software/ts/txseries/support>), which includes the latest support flashes, downloads, frequently-asked questions, and other support information such as about third-party supported products.

Other useful Web sites include the following:

- The IBM Publications Catalog Web site (<http://www.elink.ibm.com/public/applications/publications/cgibin/pbi.cgi>). Use this site to search for viewing, downloading, or ordering documents that are related to TXSeries for Multiplatforms. Some of these documents are referred to from the books that are supplied with TXSeries for Multiplatforms. You can also order these books from an IBM branch office that is serving your area. When ordering, please refer both to the title of the book and to the IBM order number.
- The IBM Learning Services and Worldwide Information Web sites (<http://www.ibm.com/services/learning> and <http://www.ibm.com>). Use these sites to find the courses that are offered for TXSeries for Multiplatforms and related topics. You can get information about courses and whether they are available in your area by using these Web sites, by calling 1-800-IBM-TEACH (1-800-426-8322), or by contacting your IBM representative.



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TXSeries for Multiplatforms  
Release Notes  
Version 9.1

Publication No. GC34-7358-01

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