
* IBM CICS Universal Client for Solaris - README v3.1.0 *

Welcome to the IBM CICS Universal Client ...

This file contains important information about the IBM CICS Universal Client for Solaris that may not be available in the printed documentation.

Summary of Topics

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Installation Issues

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Java Runtime Environment

The Java Runtime Environment is required to run the GUI configuration tool (ctgcfg). Version 1.1.8 is recommended. See <http://www.ibm.com/java> for details.

CICSTERM Behaviour

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CICSTERM now attempts to install a signon capable terminal by default.

Use the option '-a' to request the default CICSTERM behaviour as in releases prior to v3.1.0.

CICS Servers require APAR fixes to support the terminal signon capability function available in this release:

CICS/ESA 4.1	PQ30167
CICS TS for OS/390v1.2 and v 1.3	PQ30168
CICS/VSE 2.3	PQ30169
CICS/VSE TS v1.1	PQ30170
TX Series	IY03691

CICS TS v1.3 Servers for OS/390

If the server does not have the required APAR applied and the '-a' option is not specified on CICSTERM, the installed terminal will give unpredictable results.

TX Series Servers

If the server does not have the required APAR applied and the '-a' option is not specified on CICSTERM, the Client will display the message:

'CCL7053E Errors found while communicating with server'

and the message:

CCL3105 Inbound CICS datastream error (CTIN, 4, 0)

will be written to CICSCLI.LOG.

On the server, the message:

'ERZ042004E/0112: An invalid request was received from client'

will be written to CSMT.out and console.msg will include:

'ERZ014016E/0036: Transaction CTIN Abend A42B'.

EPI Purge Terminal Restriction

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The EPI purge terminal function will not cancel ATI requests queued against the terminal. This is a temporary restriction in this release.

XTERM and function keys

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When running in an XTERM window, cicsterm may not recognise all function keys. This is because of the terminal type. If you are having problems with cicsterm recognising functions, either run cicsterm in a different window or set the TERM environment variable to a different terminal type such as vt100 (by default, this environment variable is often set to xterm).

Running the CICS client over telnet

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If you run the CICS client over telnet, you may find that certain telnet clients cause problems with the display. For example, your telnet session may truncate message lines which are over a certain length. This is usually a problem with the telnet client that you are using, or the terminal type that you have defined.

Using X-Windows clients

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You may find that some X-Windows clients (such as Exceed) corrupt the text on the title bar of the window that you are trying to display. For example, this might happen with the Configuration Tool. This is usually a problem with the X-Windows client that you are using.

Timeout processing on TCP/IP protocol

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Client timeout processing will only result in server cleanup processing on a server linked via the TCP/IP protocol, if the server has support for this function installed.

DBCS Support in the COM and C++ Libraries

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The COM and C++ libraries do not provide any support for 3270 datastreams that contain DBCS fields. These libraries cannot be used for these types of datastream.

SNA driver requirements

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The host connection definition must specify security ATtachsec : Verify. Automatic Transaction Initiation (ATI) is not available.

Compiler levels for C++

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The C++ Client code is compatible with the Solaris C++ version 4.2 compiler. The Solaris C++ version 5 compiler requires the Client library to be rebuilt. Use the Service contact point given below to request the rebuilt Client library if you wish to use Solaris C++ version 5.

Compiling C++ applications that use the C++ libraries

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If you are compiling C++ applications which use the CICS C++ libraries

then you need to define the CICS_SOL macro instead of using CC_UNIX.
CC_UNIX will still work in this release but may be removed in a future release.

Service and Updates

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Service and updates will be made available via the Internet.

See:

<http://www.software.ibm.com/ts/cics/support/details>

Service process for JREs on Solaris

The JRE packaged with the CICS Transaction Gateway and CICS Universal Client for the Solaris platform is supported by Sun Microsystems, Inc.

Customers using this JRE can keep up to date with Sun upgrades by accessing the Sun Web site below and installing fixes/JRE refreshes as they become available from Sun.

<http://www.sun.com/solaris/jre/index.html>

APAR Fixes in v3.0.2

PQ17866 ALLOCATE FAILURE HANGS EPI
PQ10841 TERMINAL CAN'T RECONNECT AFTER HOST IS CYCLED
PQ14864 MORE API INFORMATION IN TRACE
PQ16053 MISSING METHODS IN CCLEPI CLASS
PQ16369 MOVING DATA INTO LAST ATTRIBUTE CORRUPTS MAP
PQ16521 PROBLEMS WHEN USING ECI AND EPI TOGETHER
PQ16971 EPI HANG WHEN TRACING ACTIVE
PQ18131 ATI REQUESTS NOT INITIATED WITH C++ CLASSES
PQ19262 PASSWORD VISIBLE IN TRACE
PQ18267 ENABLEPOPUPS = N HAS NO EFFECT
PQ19523 EPIADDDTERMINAL CAN SOMETIMES CAUSE EPI TO HANG
PQ19525 EPI CALLBACK ROUTINE MAY BE INCORRECTLY DRIVEN
PQ18445 LOOP IN EPIGETEVENT
PQ20250 C++ EPI CLASSES DO NOT BUILD FIELDS CORRECTLY

APAR Fixes in v3.0.3

PQ22297 CICSPRNT cpu usage in background
PQ22301 CICSPRNT 1 print job per txn
PQ21189 Failure to reconnect over SNA session
PQ22831 SIGPIPE handle error
PQ22830 Variable retry interval parameter
PQ22426 Redesign to use pthread semaphores

PQ25017 Improvement of client security
PQ24339 Memory leak when server down
PQ21176 problem with lots of terminal deinstalls
PQ22983 CICS PRNT deals with file system errors incorrectly
PQ20693 PCOMM supplied with client upgraded to fixpack 2 level
PQ20313 ECI request to unavailable server may trap
PQ21147 Errors during shutdown of Win95 Client
PQ23435 Client hang with C++ forcereboot between 2 asynchronous calls
PQ21700 Trap when multithreaded EPI program stresses client
PQ21621 C++ & OLE programs don't notice server has been restarted

APAR Fixes in v3.1.0

PQ27201 The Comma (,) is not allowed as a decimal point
PQ25265 A CICS Universal Client on Solaris appears to hang
PQ28458 CICS Client - cannot use SBAS, RAS and EUA orders on screens
PQ30588 Large screen support for CICS PRNT
PQ27872 CCLLOG.TXT for CCL4413 needs to be changed from 'PORT=%U3' to
'PORT=%HD3'

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