

IBM CICS Universal Client for OS/2 - README v3.1.0

Welcome to the IBM CICS Universal Client ...

This file contains important information about the IBM CICS Universal Client for OS/2 that may not be available in the printed documentation.

Summary of Topics

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- Installation Issues
 - Java Runtime Environment
 - Upgrading From a Previous CICS Client Release
 - Adding the Configuration Tool on v3.0 Upgrade
- CICSTERM Behaviour
- EPI Purge Terminal Restriction
- Timeout processing on TCP/IP protocol
- C++ Class libraries for IBM VisualAge C++ for Intel Platforms
 - Migration issues
- DBCS Support in the COM and C++ Libraries
- Maximum Requests
- Service and Updates
- Giving feedback

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. Note that when running the self-extracting exe file, you must add the parameters -di -ov, and then run the install command.

Upgrading From A Previous CICS Client Release

There is no upgrade path from IBM CICS Client for OS/2 to IBM CICS Universal Client for OS/2, they are separate products.

If you already have IBM CICS Client for OS/2 v1.0 or v1.1 installed on your machine, you must remove it before you can successfully install IBM CICS Universal Client for OS/2.

WARNING

If you already have IBM CICS Client for OS/2 v2.0 or later installed on your

machine, you are strongly recommended to remove it before installing IBM CICS Universal Client for OS/2, because both clients use common filenames.

To remove an existing CICS Client, run the "Installation Utility" from the existing CICS Client folder and choose the "Delete" action. You may wish to save any customised CICSCLI.INI, CICSCOL.INI or CICSKEY.INI files before you delete them.

Adding the Configuration Tool on v3.0 Upgrade

The Configuration Tool is new with the v3.1.0 release. If you upgrade a v3.0 system to v3.1.0 and wish to install this new component you must do the following:

1. Ensure you have upgraded your installed CICS Client to v3.1.0.
2. Start the "Installation Utility" program from the CICS Client program group.
3. If you are installing from CD, insert the v3.1.0 CD-ROM into your drive.
4. From the "Installation and Maintenance" dialog select the function "File/Open catalog/Drive..." and choose the drive containing the v3.1.0. CD-ROM or install image downloaded from the web. Click "Open" to select the CICS Client v3.1.0 catalog.
5. From the "Installation and Maintenance" dialog select the function "Action/Install..." and continue to install the Configuration Tool.

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/390 v1.2 and v 1.3	PQ30168
CICS/VSE 2.3	PQ30169
CICS TS for VSE/ESA v1.1	PQ30170

CICS TS for OS/390 v1.3 Servers

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.

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.

C++ Class libraries for IBM VisualAge C++ for Intel Platforms

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The CICS client C++ Class libraries for IBM VisualAge C++ and IBM C/C++ Compilers (CCLCPOS2.DLL) has been built using IBM VisualAge C++ V3.0 with the runtime libraries dynamically linked. If you are building your application using IBM VisualAge C++ v3.0 then these libraries can be used as is. (Please note the requirements for runtime distribution as described in the IBM VisualAge C++ documentation or C/C++ Compilers documentation).
If however you are using IBM VisualAge C++ V4.0 or IBM C/C++ Compilers V3.6 then before you can create and run your application you must first modify the

C++ class library using DLLNAME to point to the current environment runtime libraries.

The documentation that comes with IBM VisualAge C++ and IBM C/C++ Compilers describes how to do this under the section

"Use DLLs and Executable Files Created in Previous VisualAge C++ Releases" for IBM VisualAge C++ V4.0 and under the section "Using Executable Modules from VisualAge for C++ Version 3.5 or Earlier" for IBM C/C++ Compilers V3.6.

The Library CCLCPOS2.DLL is a multithreaded library, so if you wish to use it with the IBM C/C++ Compilers V3.6 you need to issue the command

```
"dllname cclcpo2.dll cppom30=cppxm36"
```

and for IBM VisualAge C++ V4.0 you need to issue the command

```
"dllname cclcpo2.dll cppom30=cppzm40"
```

(ensure you are in the directory where the file cclcpo2.dll is before issuing the above command).

When you come to distribute your application please refer to the requirements as documented in the IBM VisualAge C++ documentation or C/C++ Compilers Documentation.

Migration Issues

You cannot upgrade a client to version 3.1 and still have your C++ applications that use the CICS client Class libraries working straight away. You will need to at least deliver the required IBM VisualAge C++ multithreaded runtime library or the IBM C/C++ Compilers multithreaded runtime library (conforming to the required restrictions as documented in the IBM VisualAge C++ or IBM C/C++ compilers documentation) and also you may need to modify the CICS Client C++ Class library DLL as described above.

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.

Maximum Requests

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The default value for 'MaxRequests' has been changed from 20 to 90. Note,

this number will need to be reduced if running to a CICS for OS/2 server, over NetBios.

Service and Updates

Service and updates will be made available via the Internet.

See:

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

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 CICS PRNT cpu usage in background
PQ22301 CICS PRNT 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++ forcereset 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

PQ25891 Need choice to disconnect after TCP62 Dial Up
PQ27201 The Comma (,) is not allowed as a decimal point
PQ28458 CICS Client - cannot use SBAS, RAS and EUA orders on screens
PQ30588 Large screen support for CICSPRNT
PQ30634 CCL2010 in module FAARQPUT, msg -1001 occurred
PQ27610 Truncated French message in password dialog box
PQ27872 CCLLOG.TXT for CCL4413 needs to be changed from 'PORT=%U3' to
'PORT=%HD3'

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