

Summary of Changes

This section includes brief descriptions of the changes to Xpediter/CICS for Release 8.1. Changes made for Release 7.6, Release 7.7, and Release 8.0 are also summarized.

Xpediter/CICS 8.1 New Release Features

Compuware is pleased to announce Xpediter/CICS Release 8.1, with all the functionality of previous releases plus these new features:

Sourceless Debugging

Xpediter/CICS 8.1 introduces the PSEUDOSOURCE method for sourceless debugging. The PSEUDOSOURCE method allows users to map a program or CSECT to create an Assembler pseudo listing that displays the underlying instructions in memory as if it was an Assembler program processed by the Compuware Assembler Language Processor.

Save Trap Summary Entries

Users can now save trap entries for future reuse. Based on profile settings, traps may be automatically saved and restored. Traps can be manually saved via the Trap Summary screen (1.6) and manually restored or deleted via the new Saved Traps screen (1.5).

Intercepts

The new Intercept Summary (1.7) screen provides an easy method for entering multiple intercept commands. In addition, the List of CSECTS screen (2.6.1) allows you to enter intercepts to select the CSECT and set a breakpoint at the entry point for that CSECT when you enter the intercept line command.

File Utility - Using PL/I

The File Utility USING command, which was previously only available for COBOL programs, is now available for PL/I programs.

TCP/IP Intercept in CICSplex

Xpediter has improved its CICSplex support to support distributed program links (DPL) including DPL of TCP/IP-based applications.

KEEP Hex Line Command

The KEEP windows can now be set to any value from 3 through 11 lines deep. Individual fields may be displayed in HEX mode via a line command while the KEEP window is in character mode.

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Profile Utility

Xpediter/CICS users can now copy, rename, delete, and retrieve different profiles from the Load Profile (0.4) screen. This lets them easily switch multiple Xpediter/CICS settings by simply switching the profile.

DLL Support

The new List of DLL Functions screen (2.6.F) allows users to select a DLL function, set a breakpoint at the beginning of a DLL function, and locate a DLL function in the program listing that contains that function.

Increment/Decrement Table Subscripts

Xpediter/CICS contains a helpful feature to continuously display the next occurrence of a table element each time you press Enter. Appending a signed integer (-1 or +1, for example) to any disassociated occurrence level number causes Xpediter/CICS to increment or decrement the subscript by the specified amount.

Channels and Containers

The new Channels and Containers screens (available from the 2.C menu) allow users to access a list of all channels active for any task, access a list of all containers in a channel, and browse data within a container.

Note: This feature is only available in CICS TS 3.1 and above.

IP Trap Information

The List Abends screen (1.3) and the List All Tasks screen (9.3) now display client IP address for TCP/IP-based tasks where the terminal ID and netname are shown for 3270-based tasks.

Commonality Between Xpediter Products

Many functions shared by the products in the Xpediter product suite are now invoked by the same commands. The changes for Xpediter/CICS include the following:

- DUP, DDOWN, DTOP, and DBOTTOM line commands provide KEEP window scrolling without requiring the cursor to be within the KEEP window.
- You can now set compound WHEN conditions in one program with a single WHEN command (for example, WHEN A1 = B2 and C3 CHANGES).
- The PSEUDOSOURCE primary command creates a temporary Assembler source image of a CSECT that does not have a matching Compuware source listing.
- The GO nnn TRACE command causes the stated number of statements to be executed and traced.

Currency Support

Xpediter/CICS 8.1 includes support for CICS TS 3.1, the latest CICS release.

Xpediter/CICS 8.0 Release Features

Compuware is pleased to announce Xpediter/CICS Release 8.0, with all the functionality of previous releases plus these new features:

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C Language Support

Xpediter/CICS source listing support now includes an option for C language listings. Compuware Shared Services Release 8.2 or above is required for C language support.

ASCII Support

To alleviate problems with reading the character portion of the MEMORY display screens (2.2 and 9.2) when data is in ASCII, these screens have been revised to allow users to specify ASCII as the Coded Character Set ID (CCSID) Type to be used on the “character data” portion (the right-hand side of the screen) of the screen. The default is EBCDIC.

CICS TS 3.1 Support

Xpediter/CICS supports the latest version of CICS Transaction Server, which includes providing support for LE Main assembler modules. Programs using the new Named COMMAREA function (channels and containers) will be able to set conditional traps and breaks based on the contents of the specified container.

64-bit Support

When reporting the contents of the full 64-bit general purpose registers, Xpediter/CICS has been enhanced to take advantage of the new extensions to the CICS abend capture mechanism.

Tracing by TCP/IP Address

If multiple facilities have been traced, the new Program Trace Directory screen appears so you can select your terminal. For purposes of Program Trace, Xpediter/CICS treats each client TCPIP Address as a separate facility.

Immediate ON for Trace and Storage Protection

The TRACE, SET TRACE, PROTECT, and SET PROTECT commands take effect immediately when the user is at an abend or a breakpoint. The request is effective immediately within the current CICS task for this LINK/enclave level and any enclave levels created from this point on. Programs within the current CICS tasks at an earlier (existing) LINK/enclave level are not affected by this request.

Single Point Product Startup and Shutdown

The new, optional Remote Operations Command Interface (ROCI) allows both startup and shutdown of the product in multiple CICS regions with one command entered on an ISPF panel.

Dynamic Transaction Routing by APPLID

Dynamic Transaction Routing users can now identify CICS regions by APPLID (as an alternative to SYSID).

Other Features

Logged Messages

Messages written by Xpediter/CICS to the system log and the CSMT log now have message numbers and consistent headers. Messages to the CSMT log are date/time stamped. HELP MESSAGES will provide additional information on logged messages.

DB2 Version 8 Support

DB2 Version 8 introduced long identifier fields in DB2 New Function Mode (NFM). This change affects the Xpediter/CICS DB2 File Utility in the following ways:

- The permissible length of the table creator name has increased from 8 to 128 bytes.
- The permissible length of the table/view name has increased from 18 to 128 bytes.
- The permissible length of the column name has increased from 18 to 30 bytes.

Screen limitations, however, limit the maximum display to 8, 18, and 18 bytes respectively. If a DB2 Version 8 NFM field exceeds these lengths, the field is truncated for display and a plus character (+) is appended to the right of that field. The full length of these fields can be viewed on the DB2 BROWSE GENERATED SQL CALLS (5.5.3) screen.

Virtual Storage Constraint Relief (VSCR)

Most Xpediter/CICS control blocks are now GETMAINed in accordance with the TASKDATALOC specified for the transaction being tested. Xpediter's use of below the line storage can be reduced by specifying TASKDATALOC=ANY for your eligible transactions.

Enhanced Mixed-Case Data Support

The KEEP window, the File Utility screens, the Working Storage screen, and the Memory screens now display and support entry of mixed-case characters if the user's terminal contains UCTRAN(YES).

Enhanced Transaction Trapping

Xpediter's Trap Summary screens (1.6 and 9.6) allow you to specify additional trap criteria including relationships to values in the transaction's initial COMMAREA, WebSphere MQMD, and MQDATA blocks. Previously, an exact position of the data was required. The position may now be wildcarded to facilitate data, such as XML, that is not in a fixed position.

Allow Current Date/Time on Screens

Allows users to specify SET SUPPORT ON when directed by Compuware Technical Support, which overlays a portion of the Xpediter/CICS screen heading line with the current date and time. This can be helpful when collecting screen images for problem documentation. See "Technical Support" on page xxxvi.

Commonality Between Xpediter Products

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- The MONITOR keyword has changed to PROTECT. MONITOR will continue to be accepted in this release.
- The Xpediter/CICS "log" has been renamed to *File Utility Audit Trail*.
- The shipped value of MAXWAIT is now 6.
- The INTERCEPT command has been added. It is used to load a program or statically-linked subroutine within the program, then set a before breakpoint at the beginning of the specified program or subroutine.
- The Script Dataset Allocation (0.6) screen has an additional field, which is called *Start capture at session initiation?* This field allows users to specify whether script capture should be started when Xpediter/CICS is first entered.

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- Two new primary commands—DLEFT and DRIGHT— are used in conjunction with a scrolling value to allow users to scroll specifically the KEEP window to the left or right on screens that show multiple windows.
- Expanded line command allows users to set the command line size to 1, 2, or 3 lines.