

CA Gener/OL™ r7.1

CA Gener/OL™ is an easy-to-use CICS program and application generation system that enhances programmer productivity by automatically handling the complexities of CICS command level programming and by providing interactive screen and report design.

Business Value

CA Gener/OL efficiently incorporates programming with interactive screen creation, graphics logic and report design. Although the completely online system is designed for the CICS environment, you do not need extensive knowledge of CICS online programming concepts to use it.

Product Overview

CA Gener/OL allows command level programmers to be more effective and productive. The system includes features that are available in traditional programming languages, such as BASIC and COBOL. CA Gener/OL instructions are similar to those present in COBOL and command level CICS.

Delivery Approach

CA Services provides a portfolio of mainframe services delivered through CA internal staff and a network of established partners chosen to help you achieve a successful deployment and get the desired business results as quickly as possible. Our standard service offerings are designed to speed deployment and accelerate the learning curve for your staff. CA's field-proven mainframe best practices and training lower risk, improve use/adoption and ultimately align the product configuration to your business requirements.

What's New, What's Compelling?

Mainframe 2.0

CA Gener/OL has adopted key Mainframe 2.0 features that are designed to simplify your use of the product and enable your staff to install, configure and maintain it more effectively and quickly.

- **Electronic Software Delivery (ESD):** The Mainframe 2.0 ESD enables you to install CA Gener/OL using standard utilities — without requiring you to reconstitute a tape cartridge. This new procedure helps speed installation and facilitates a consistent install process across CA mainframe products, shortening the learning curve for mainframe staff.

What's New in CA Gener/OL r7.1

- A new online tutorial introduces CICS concepts, CA Gener/OL and the process of creating programs using CA Gener/OL.
- The z/OS and OS/390 installation procedures have been enhanced to include the SMP/E format.
- The Debugger has been enhanced so that the debug ending messages, “CE03 program ended with DBUG in RWABEND” and “DB20 at Program Termination, DB30 RWABEND RWRTCODE=0,” are now optional.
- A new option allows you to place all record and working storage layouts above the line.
- European currency symbol edit mask is supported.
- The Inventory Utility has been enhanced to include a selection of all defined edit masks from any active edit mask pool. An edit mask selection also shows a selection of members where the edit mask resides.

Features

Command level programmers are expensive and becoming scarce. Although mainframe legacy applications remain very important and command level programming is still necessary, many command level programmers have moved to other areas in the industry or have retired.

With CA Gener/OL, legacy command level systems can be rewritten and changed easily. Command level programmers are much more effective and productive, and junior and entry-level programmers can also create these programs. Even end users can design and prototype the maps (panels or screens) they want to create.

Key Capabilities

- **Free-Format Editor:** The Free-Format Editor is used to write and edit programs, record/segment layouts and working storage definitions. When you edit a member with the Free-Format Editor, each new or modified statement is checked for syntax. You can use the Editor to:
 - › Edit lines or blocks of lines within a member
 - › Copy or move data to and from members
 - › Control data as it is displayed on your terminal
- **Editor/Compilers (EDCs):** The EDCs shorten the learning curve for the CA Gener/OL user. Using a fill-in-the-blank approach, they show what type of information should be entered and where it should be entered, and they notify the user if any errors are made in the process. Because the EDCs are similar, users need to learn only one set of rules. EDCs are used to:
 - › Create and assemble programs using free-format editors (new in r7.1)
 - › Define display maps that present and retrieve information from a terminal
 - › Write the documentation for the application
 - › Define file attributes

- **Immediate Diagnostics:** One CA Gener/OL programming aid is the ability of the Editor to flag syntax and field resolution errors. CA Gener/OL prompts the user with a description of the error. Since the Free-Format Editor and EDCs compile each statement or definition as it is entered, the error can be corrected immediately. Another advantage is that if a single statement is changed, only that statement is recompiled before the program is ready to run again.
- **Simple Commands:** The language's high-level structure provides simple commands with powerful functions, such as the map and getmap commands, which automatically take care of the pseudo-conversational protocol. The CA Gener/OL language can be tailored to your specific design with a command builder utility, or you can use already written commands.

Benefits

CA Gener/OL improves the productivity of command level CICS programmers by enabling them to quickly and efficiently transform legacy systems into viable and current CICS application systems. Additionally, it allows entry-level programmers to become productive CICS command level programmers without knowing command level and pseudo-conversational techniques.

Why CA

One of the key components of CA's Enterprise IT Management (EITM) strategy is the effective use of resources for CA customers. CA Gener/OL has been delivering on that concept for over 20 years with its unique method of enhancing programmer productivity. Additionally, CA Gener/OL is a key component of CA's Mainframe 2.0 initiative that can interface with any system or application that can interact with CICS. The CA Gener/OL components, working together with your CICS environment, ensure applications are developed quickly, satisfy user requirements and meet corporate objectives.

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