



# COSGN00C-cbl-0.4.4

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# Documentation

## 1. High Level Overview Of This Program

### 1.1. Program Name

COSGN00C

### 1.2. Main Purpose

The primary purpose of COSGN00C is to handle the sign-on process for the CardDemo application. It presents a login screen to users, validates their credentials, and directs them to the appropriate menu based on their user type.

### 1.3. Business Context

This program operates within the context of a credit card demonstration application. It serves as the entry point for users accessing the system, ensuring secure access and proper routing based on user roles.

### 1.4. Key Features

1. **User Authentication:** The program accepts user ID (USERIDI) and password (PASSWDI) inputs and validates them against stored credentials in the USRSEC file.
2. **Dynamic Screen Display:** Utilizes CICS commands to display the sign-on screen (COSGN0A) with dynamic content such as current date, time, and system information.
3. **Error Handling:** Implements error checking for invalid user inputs and displays appropriate error messages (WS-MESSAGE) on the screen.
4. **User Type Identification:** Determines the user type (admin or regular user) based on the SEC-USR-TYPE field from the USRSEC file.
5. **Program Flow Control:** Uses CICS XCTL commands to transfer control to different programs (COADM01C for admin users, COMEN01C for regular users) based on user type.
6. **Logging Functionality:** Incorporates a logging mechanism to track program execution and aid in debugging (using ADD-PROGRAM-LOG).

### 1.5. Input Output

Input Tables:

N/A

Output Tables:

N/A

Input Files:

1. **USRSEC:** This file contains user security information, including user IDs, passwords, and user types. It is used to validate user credentials during the sign-on process.

Output Files:

N/A

Miscellaneous Input:

1. **User Input:** The program receives user ID and password input from the sign-on screen (COSGN0A).
2. **System Date and Time:** The program retrieves the current date and time to display on the sign-on screen.
3. **CICS Environment Information:** The program obtains CICS-specific information such as APPLID and SYSID to display on the screen.

Miscellaneous Output:

1. **Sign-on Screen:** The program generates and displays the sign-on screen (COSGN0A) with dynamic content.
2. **Error Messages:** The program outputs error messages on the screen for invalid inputs or authentication failures.
3. **Program Transfer:** Based on user authentication and type, the program transfers control to either COADM01C (for admin users) or COMEN01C (for regular users).

## 1.6. Integration

This program does not interact with any external systems beyond the CICS environment and the files it accesses directly.