

# Cobol Dead Code Cleaner

## Product purpose

The Cobol Dead Code Cleaner is a facility aimed at mainframe Cobol applications facing Aging symptoms. Such systems become significantly less easy and much more expensive to maintain. The symptoms are evidenced from the Cobol Code Reviewer and/or Programming Department experience.

## Product description

The Cobol Dead Code Cleaner automates the detection, localization and deletion of Dead Code for Cobol with SQL (DB2) or CICS source code.

It is usually used as a "mass change" automaton. It analyzes and interprets the syntax, semantics, control flow, and data flow of one or many programs, and produces one of the following results at customer command:

1. the original Source Code has the "Dead Statements" commented and a configurable mnemonic is written in column 1 to 6 for further review or "commenting out";  
or
2. the original Source Code has the "Dead Statements" removed.

## Features and benefits

The EXEC CICS are fully interpreted (*HANDLE CONDITION instructions are supported*)

The EXEC SQL are fully interpreted (*WHENEVER SQL ERROR/NOT FOUND/WARNING statements are supported.*).

- **Benefit one - Cleaner Code.**  
Obsolete statements and the associated 'commented statements' can be removed, making the code which remains, ie the "useful code", easier to read, to understand, and to maintain!
- **Benefit two - Source code simplified.**  
Under source code aging, the reduction in the number of statements has a significant follow on effect - propagation of changes and testing will be simplified.

## Requirements

Cobol Dead Code Cleaner is an MVS executable.

Also available on Linux and Windows.

## Pricing

For pricing or further details please contact "[sales@asetechs.com](mailto:sales@asetechs.com)".



## Example of Results Produced by the Cobol Dead Code Cleaner:

```

0      10      20      30      40      50      60      70      80
954 083700 E05999.
955 083800     EXIT.
956 083900     EJECT
957 084000 *****
958 084100* MEMORISATION DES MVM NON DECOMPTABLES *
959 084200*****
960 DEAD *E060 SECTION.
961 DEAD *
962 DEAD *E06010.
963 DEAD *-----*
964 DEAD * INITIALISATIONS *
965 DEAD *-----*
966 DEAD *
967 DEAD *     IF TC-AXR-DOUBLACT (M) = SPACE
968 DEAD *                                     GO TO E06999.
969 DEAD *
970 DEAD *     ADD 1                               TO TPDC-MVM-NB
971 DEAD *     MOVE E05DTDEBREELT (K) TO TDATE-TRAV1
972 DEAD *     MOVE TDTRAV1-SSANMO       TO TPDT-MOIS (TPDC-MVM-NB)
973 DEAD *     MOVE E05POPROTT (K)      TO TPDT-POP (TPDC-MVM-NB)
974 DEAD *     MOVE TC-AXR-NUMRUB (M)   TO TPDT-NUMRUB (TPDC-MVM-NB) .
975 DEAD *
976 DEAD *E06020.
977 DEAD *-----*
978 DEAD * CALCUL DES INDICES *
979 DEAD *-----*
980 DEAD *
981 DEAD *     MOVE E05DTDEBREELT (K) TO TDATE-TRAV1
982 DEAD *     MOVE TDTRAV1-JO        TO IDEB
983 DEAD *     MOVE E05DTFINREELT (K) TO TDATE-TRAV1
984 DEAD *     MOVE TDTRAV1-JO        TO IFIN.
985 DEAD *
986 DEAD *E06030.
987 DEAD *     PERFORM E06040 VARYING N FROM 1 BY 1
988 DEAD *                               UNTIL N > 31
989 DEAD *                                     GO TO E06999.
990 DEAD *
991 DEAD *E06040.
992 DEAD *     IF N NOT < IDEB AND
993 DEAD *       N NOT > IFIN AND
994 DEAD *       TDECOMPTES (N) NOT = '1'
995 DEAD *       MOVE 1                               TO TPDT-TABVAL (TPDC-MVM-NB N)
996 DEAD *     ELSE
997 DEAD *       MOVE 0                               TO TPDT-TABVAL (TPDC-MVM-NB N) .
998 DEAD *
999 DEAD *E06999.
1000 DEAD *     EXIT.
1001 088400     EJECT
1002 088500 *****
1003 088600*-----*
1004 088700*     TRAITEMENT DES MVM NON DECOMPTABLES SELON LA TABLE AUN *
1005 088800*-----*
1006 088900*****
1007 089000     SKIP3
1008 089100 F010 SECTION.

```



- **Step 1:** the dead source code is Marked (see DEAD in columns 1-6 and '\*' in column 7),
- **Step 2:** the dead source code is Removed if required, and a report is generated.