

HELLO.TRS

TRS= ZPARTRS Z390 PROGRAM ANALYSIS REPORT TRACE SOURCE V1.5.01b 10/28/09  
TRS= SYSPARM=zcobol\demo\HELLO+notime+detail  
TRS= PARM(1)=zcobol\demo\HELLO  
TRS= PARM(2)=notime  
TRS= PARM(3)=detail  
TRS= CURRENT DATE=10/28/09 TIME=12.50  
MSG=HELLO EZ390 START USING z390 V1.5.01b ON J2SE 1.6.0\_16 10/28/09  
MSG= CDE LOAD=800FFE40 LEN=000001C0 NAME=zcobol\demo\HELLO.390  
TRS= DEFAULT INCLUDE(HELLO)  
TRS= SCANNING zcobol\demo\HELLO.LST LOAD=00FFE40  
TRS= INCLUDING zcobol\demo\HELLO.PRN LOAD=00FFE40  
TRS= LOADED SOURCE FROM PRN CBL=3 ECC=0 ASM=50 ECA=0

800FFE40 0 90ECD00C STM RE=00002018 RC=F4F4F4F4 S2(0000210C)=00000000  
HELLO 000000 HELLO STM 14,12,12+4\*(14-14)(13)  
800FFE44 0 A7850014 BRAS R8=F4F4F4F4 S2(000FFE6C)=410080A0 LA  
HELLO 000004 BRAS ZC\_R8,ZC\_LOAD  
  
800FFE6C 0 410080A0 LA R0=800FFE40 S2(000FFEE8)  
HELLO 00002C ZC\_LOAD LA 0,=CL8'ZC390LIB'  
800FFE70 0 1BFF SR RF=800FFE40 RF=800FFE40  
HELLO 000030 SR 15,15 USE DEFAULT SYS390 SEARCH  
800FFE72 0 0A08 SVC I1=08 LOAD R1=PARMS R0=PGM(ZC390LIB)  
HELLO 000032 SVC 8 LOAD R0=A(NAME) R15=DDNAME/DSNAME ADDR OR 0  
MSG= CDE LOAD=800FD198 LEN=00002C80 NAME=linklib\ZC390LIB.390  
TRS= SCANNING linklib\ZC390LIB.LST LOAD=00FD198  
TRS= EXCLUDING ZCOBOL\Z390\ZC390LIB.PRN LOAD=00FD198  
TRS= EXCLUDING ZCOBOL\Z390\ZC390NUC.PRN LOAD=00FD430  
TRS= EXCLUDING ZCOBOL\Z390\ABORT.PRN LOAD=00FE208  
TRS= EXCLUDING ZCOBOL\Z390\ACCEPT.PRN LOAD=00FE520  
TRS= EXCLUDING ZCOBOL\Z390\DISPLAY.PRN LOAD=00FE920  
TRS= EXCLUDING ZCOBOL\Z390\INSPECT.PRN LOAD=00FF360  
TRS= EXCLUDING linklib\CVTTOHEX.PRN LOAD=00FFB88  
800FFE74 0 12FF LTR RF=00000000 RF=00000000  
HELLO 000034 LTR ZC\_R15,ZC\_R15  
800FFE76 0 A7840013 BRE S2(000FFE9C)=1890 LR  
HELLO 000036 JZ ZC\_LOAD\_OK  
  
800FFE9C 0 1890 LR R9=F4F4F4F4 R0=800FD198

## HELLO.TRS

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HELLO      00005C ZC_LOAD_OK LR      ZC_R9,ZC_R0
800FFE9E 0 D503900080A8 CLC      S1(000FD198)=E9C3E5E3 S2(000FFEF0)=E9C3E5E3='ZCVT'
HELLO      00005E          CLC      ZCVT_ID,=C'ZCVT'          CHECK ZCVT ID AND LENGTH
800FFEA4 0 A774000C      BRNE     S2(000FFEB0)=A7150011 BRAS
HELLO      000064          JNE     ZC_VER_ERR          IN ZC390LIB.390 MATCH
800FFEA8 0 D503900480AC CLC      S1(000FD19C)=000001F0 S2(000FFEF4)=000001F0='...0'
HELLO      000068          CLC      ZCVT_LEN,=A(ZCVT_END-ZCVT_ID) ZCOBOL PGM COMPILED ID/LEN
800FFEA8 0 47708074      BNE     S2(000FFEB0)=A7150011 BRAS
HELLO      00006E          BNE     ZC_VER_ERR
800FFEB2 0 58F09010      L       RF=00000000 S2(000FD1A8)=000FD430
HELLO      000072          L       ZC_R15,ZCVT_ZC390NUC
800FFEB6 0 0DEF          BASR    RE=00002018 RF=000FD430
HELLO      000076          BASR    ZC_R14,ZC_R15 CALL ZC390NUC TO VERIFY VER, OPTIONS

800FFEB8 0 A7F40020      J       S2(000FFEF8)=582D0018 L
HELLO      000078          J       ZC_VER_OK

800FFEF8 0 582D0018      L       R2=F4F4F4F4 S2(00002118)=00002300
HELLO      0000B8 ZC_VER_OK L      ZC_R2,24(ZC_R13) SET ZC_R2=PARMLIST ADDRESS AFTER LOAD
800FFEF0 0 C01000000026 LARL    R1=00000590 S2(000FFF48)
HELLO      0000BC          LARL    ZC_R1,ZC_WS      ZC_R2=A(WORKING STORAGE WITH SAVEAREA)
800FFF02 0 501D0008      ST      R1=000FFF48 S2(00002108)=00000000
HELLO      0000C2          ST      ZC_R1,8(ZC_R13) FORWARD SAVE CHAIN
800FFF06 0 50D10004      ST      RD=00002100 S2(000FFF4C)=F6F6F6F6
HELLO      0000C6          ST      ZC_R13,4(ZC_R1) BACKWARD SAVE CHAIN
800FFF0A 0 18D1          LR      RD=00002100 R1=000FFF48
HELLO      0000CA          LR      ZC_R13,ZC_R1   LINK SAVE AREA IN ZC390CVT
800FFF0C 0 50D0D050      ST      RD=000FFF48 S2(000FFF98)=F6F6F6F6
HELLO      0000CC          ST      ZC_R13,ZC_WS_START SAVE ADDR WS IN WS PREFIX
800FFF10 0 C000000000078 LARL    R0=800FD198 S2(00100000)
HELLO      0000D0          LARL    ZC_R0,ZC_WS_END
800FFF16 0 1B0D          SR      R0=00100000 RD=000FFF48
HELLO      0000D6          SR      ZC_R0,ZC_R13
800FFF18 2 5000D054      ST      R0=000000B8 S2(000FFF9C)=F6F6F6F6
HELLO      0000D8          ST      ZC_R0,ZC_WS_LEN   SAVE LENGTH OF WS IN WS PREFIX

CBL=HELLO      PROCEDURE DIVISION ; DISPLAY 'Hello World'

800FFF1C 2 A715000A      BRAS    R1=000FFF48 S2(000FFF30)=0A23 SVC

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HELLO.TRS

HELLO 0000DC HELLO BRAS 1,\*(WTO#0060\_EOT-\*\*+1)/2\*2  
800FFF30 2 0A23 SVC I1=23 WTO R1=ADDR(AL2(LEN),AL2(FLAGS),C'MSG')  
HELLO 0000F0 SVC 35  
MSG>Hello World

CBL=HELLO 5 000500 STOP RUN

800FFF32 2 4810D0B0 LH R1=800FFF20 S2(000FFFF8)=0000  
HELLO 0000F2 LH ZC\_R1,RETURN\_CODE PASS RETURN CODE IN R1  
800FFF36 2 58F09030 L RF=00000000 S2(000FD1C8)=000FD95C  
HELLO 0000F6 L ZC\_R15,ZCVT\_GOBACK  
800FFF3A 2 07FF BR RF(000FD95C)=58DD0004 L  
HELLO 0000FA BR ZC\_R15

MSG=HELLO EZ390 ENDED RC= 0 SEC= 0 MEM(MB)= 17 IO=181 INS=40  
TRS= INPUT FILES LST=2 PRN INC=1 PRN EXC=7  
TRS= INPUT RECORDS TRE=56 LST=126 PRN=588  
TRS= LOADED SOURCE CBL=3 ECC=0 ASM=50 ECA=0  
TRS= SKIPPED RECORDS ASM=0 MSG=0  
TRS= OUTPUT RECORDS CBL=2 ECC=0 ASM=29 ECA=0  
TRS= OUTPUT RECORDS ERR=0 MSG=16 TRS=100  
TRS= TOTAL MNOTE ERRORS=0 MAX RETURN CODE=0