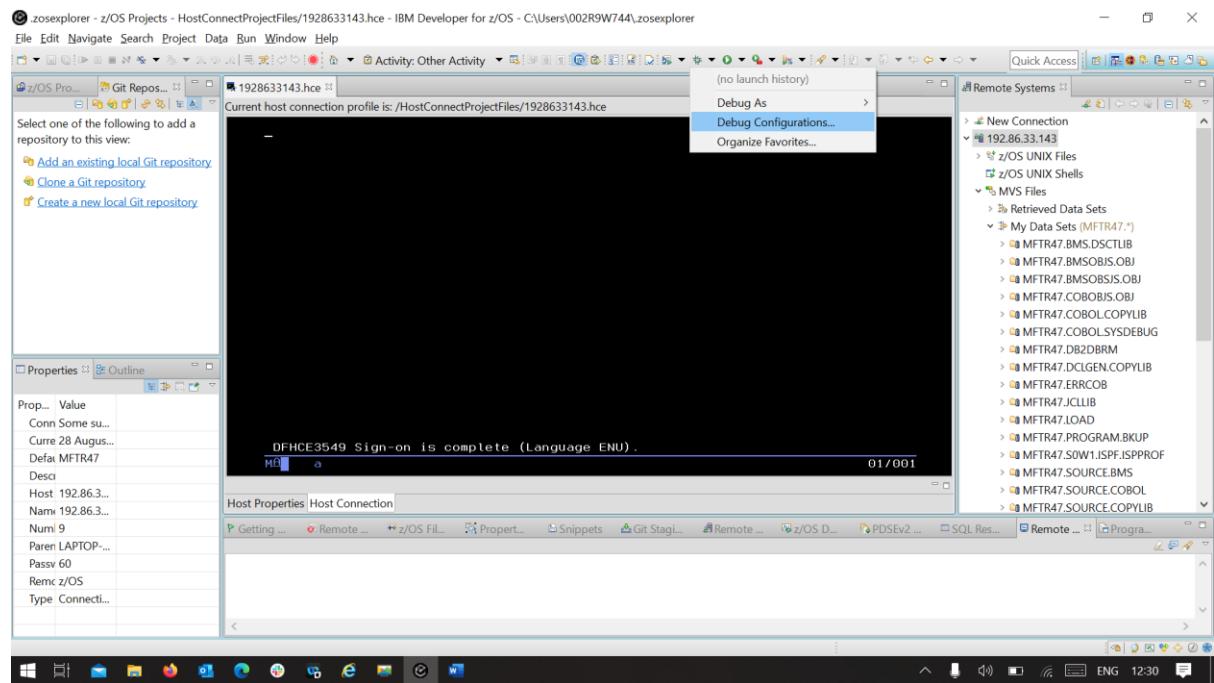
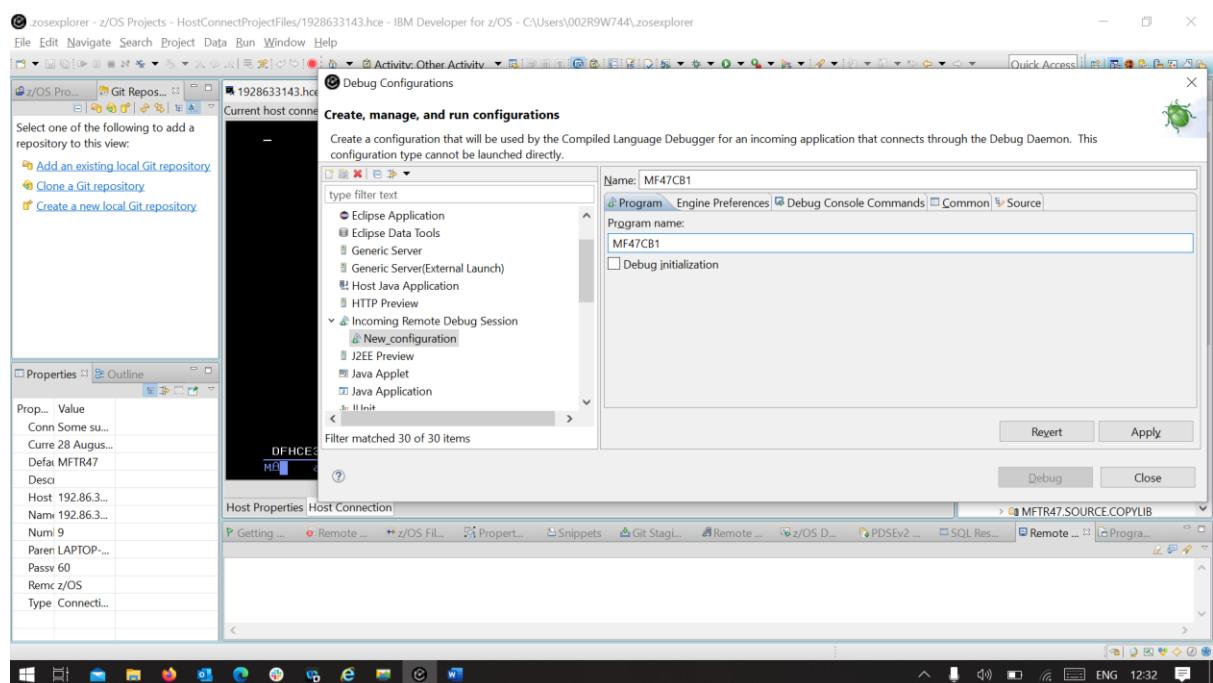
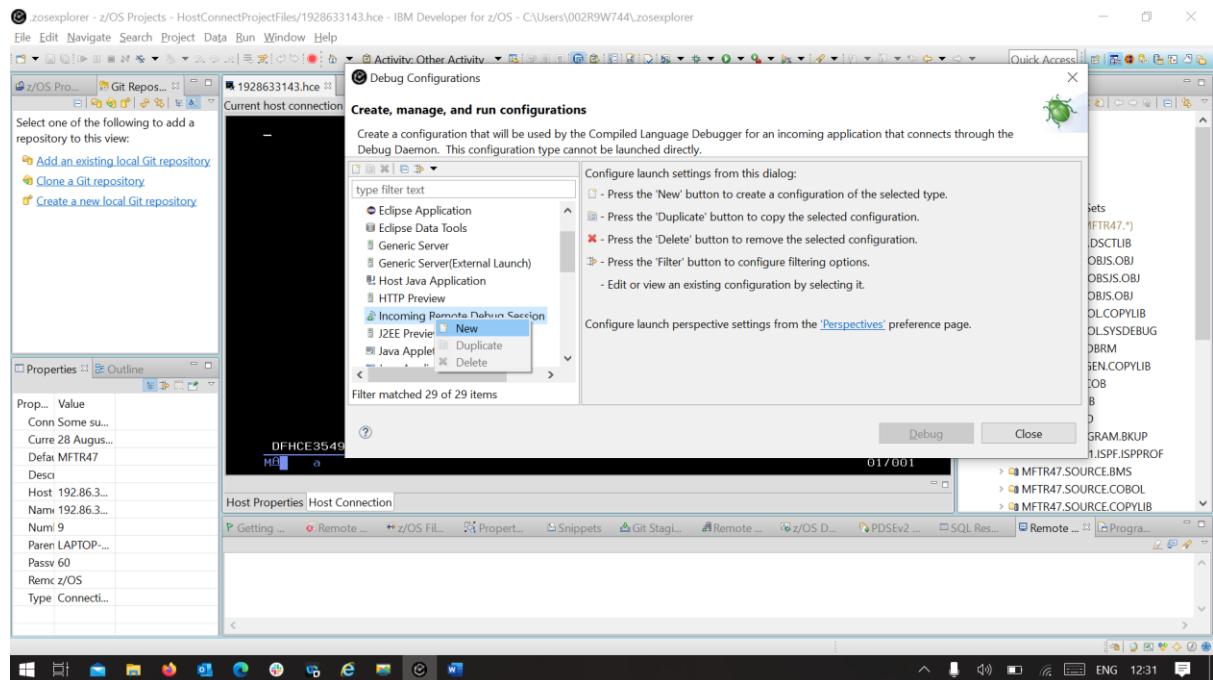


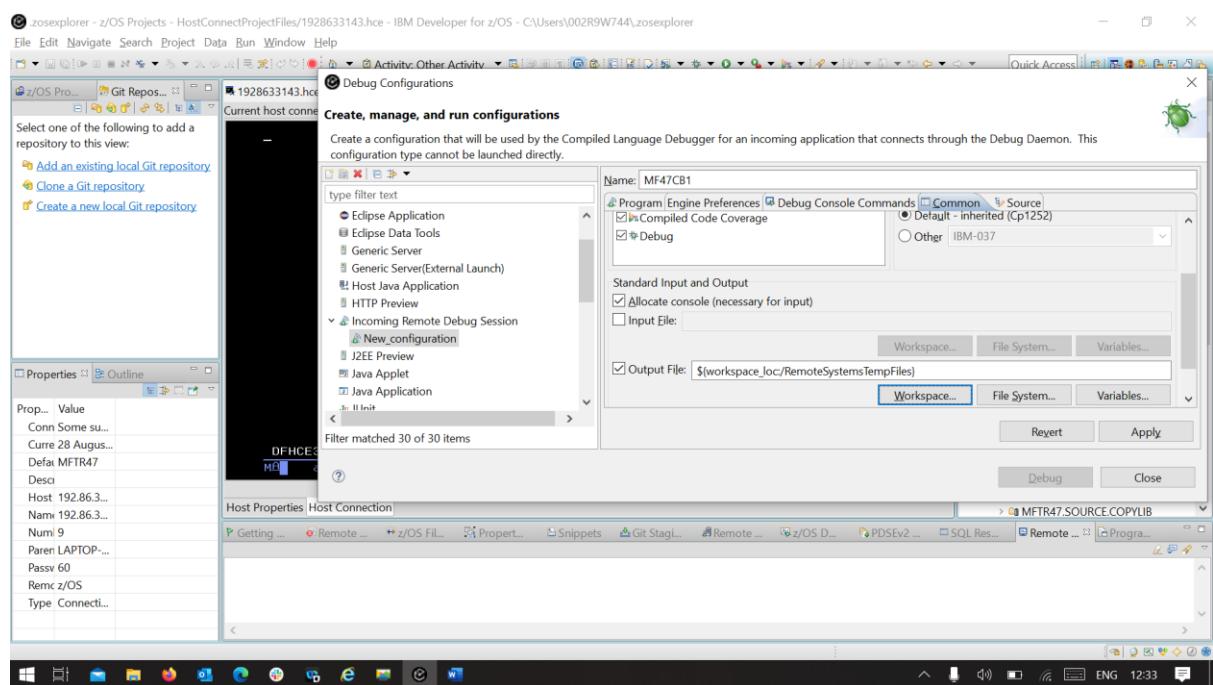
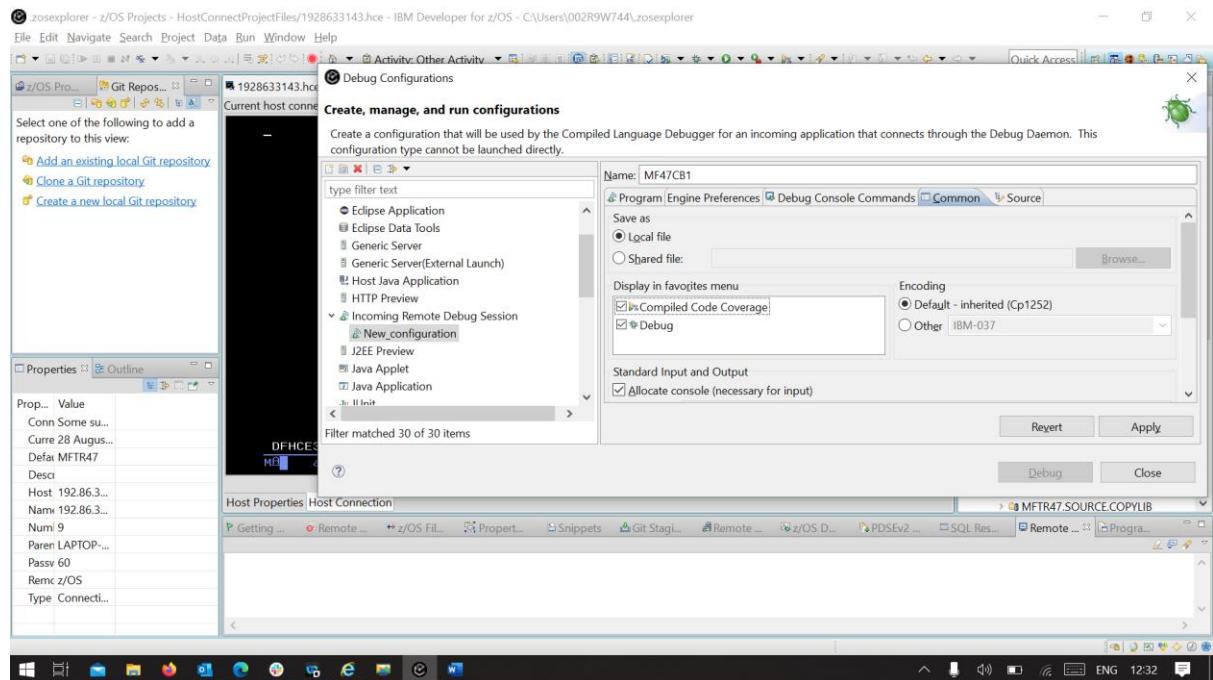
Debug:

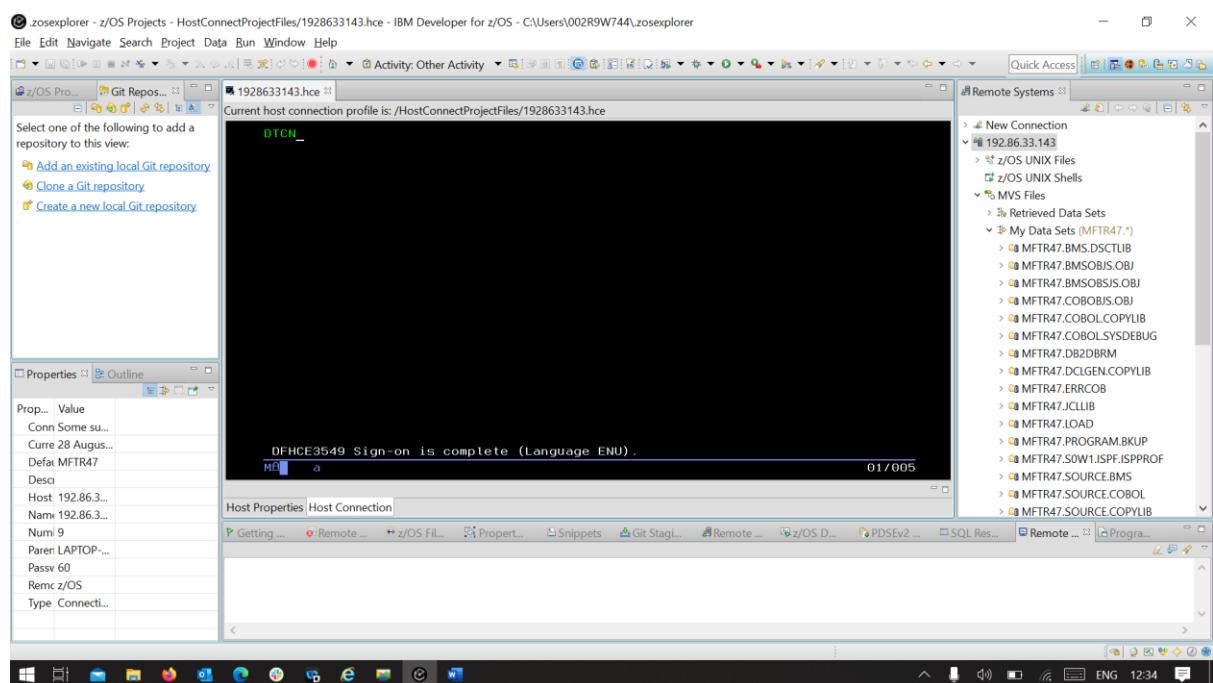
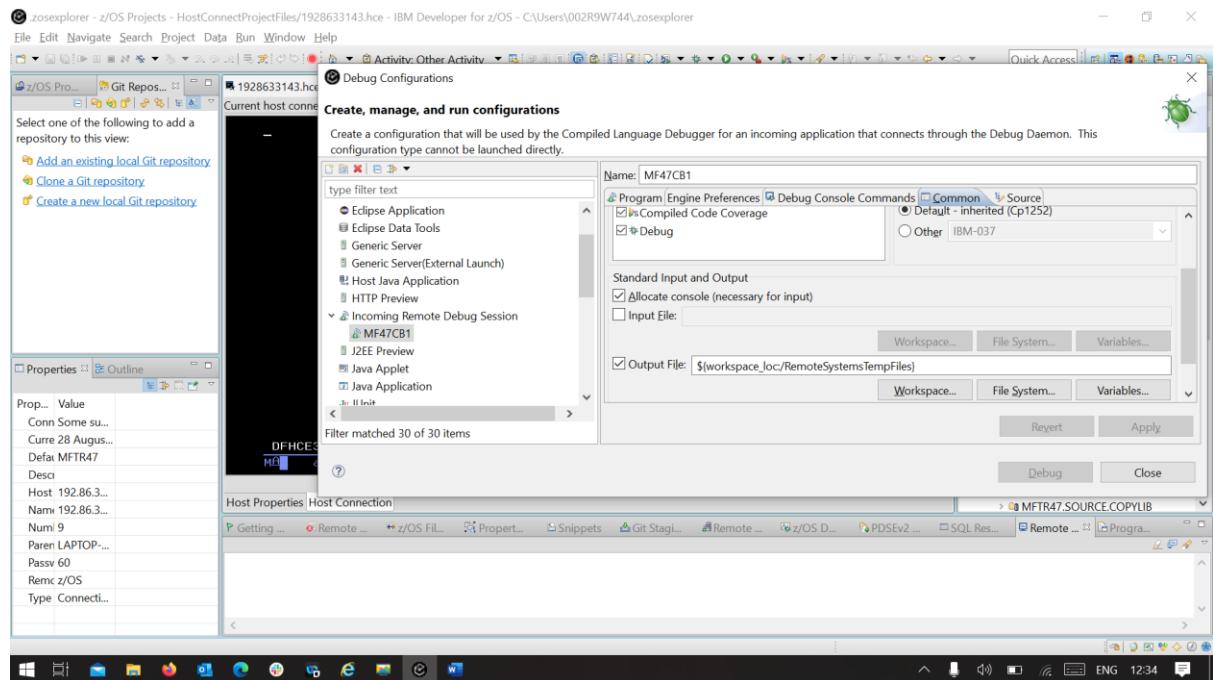
Below steps are performed

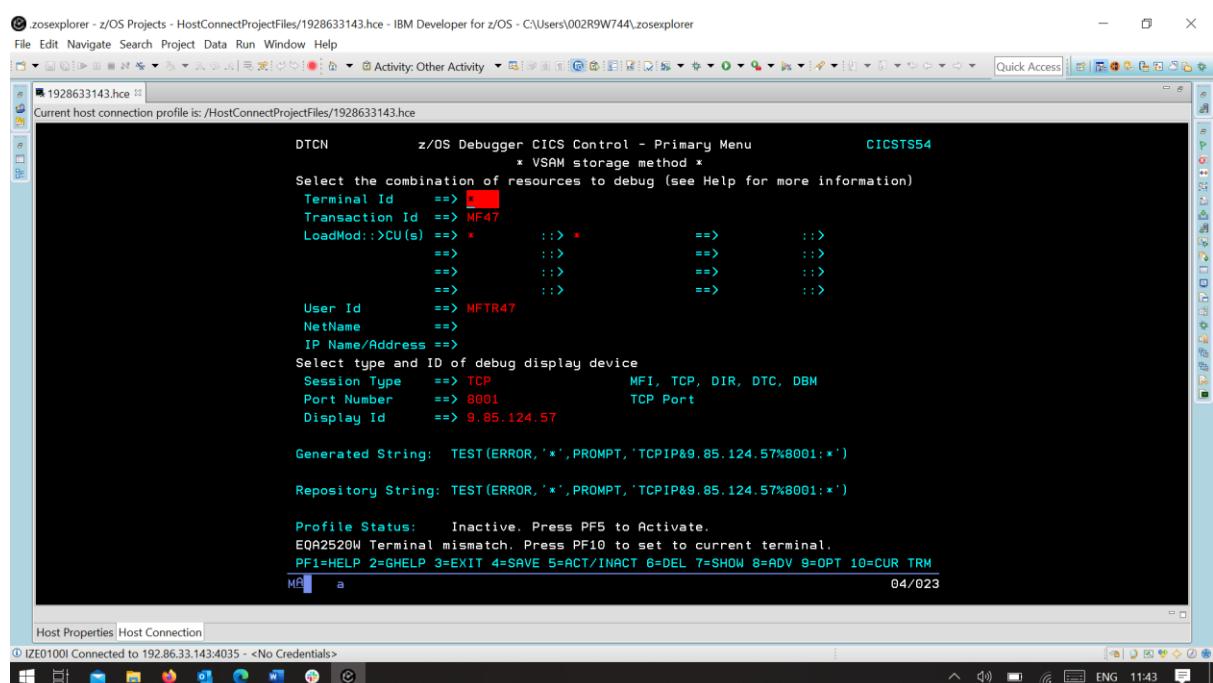
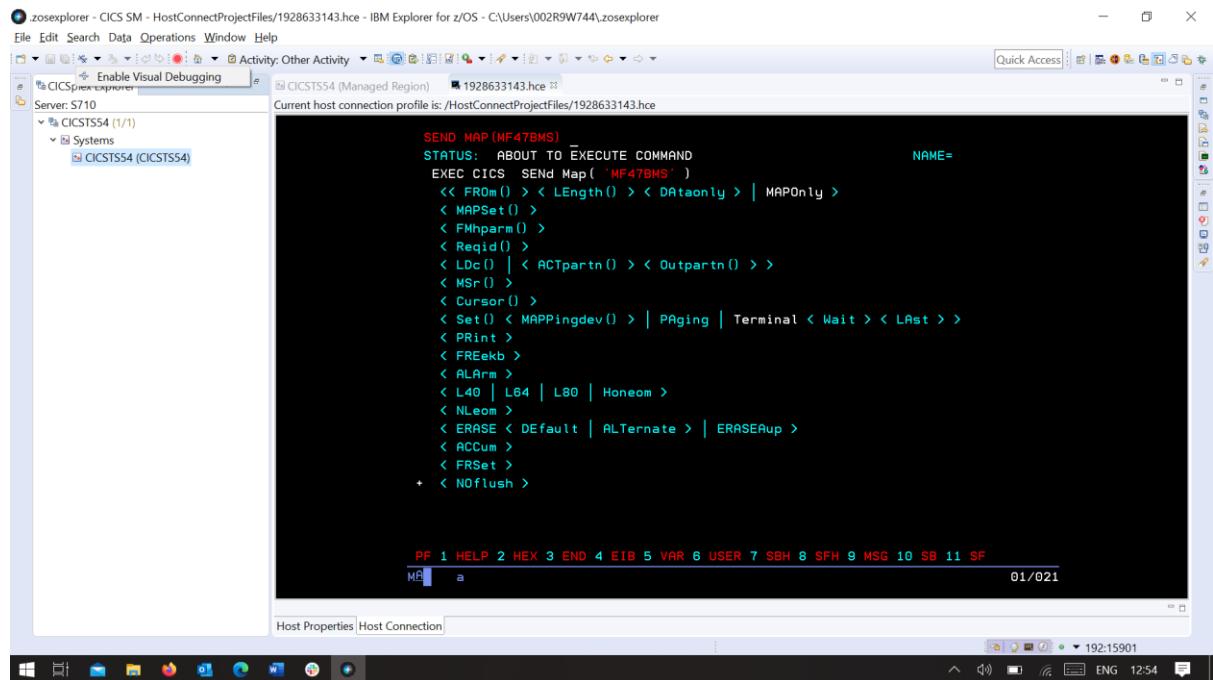
1. Compiled CB1 program with parm -
// PARM.COBOL=(ADATA,LIB,TEST(EJPD,SOURCE))
2. Setup debug configuration for CB1 program
3. Debug daemon port is 8001 (set as default)
4. Made Visual debug active
5. Made DTCN active with transaction ID and with no parameters in environment options
6. Redefined all CICS components after deleting them. Further,

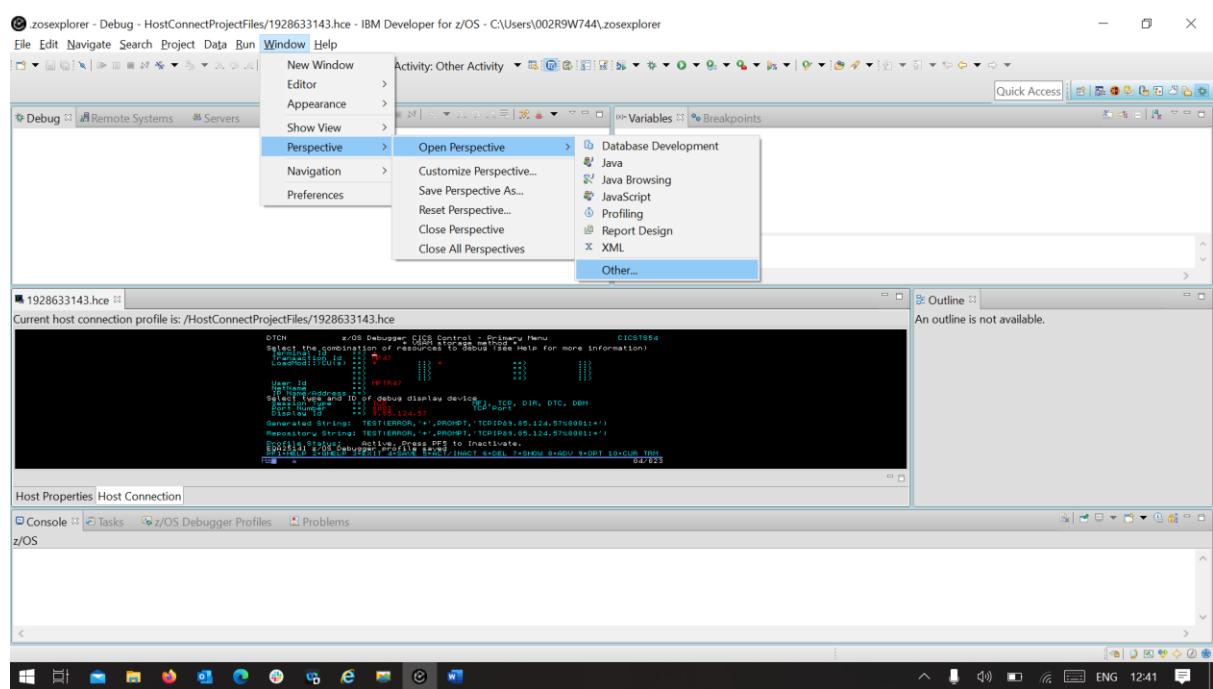
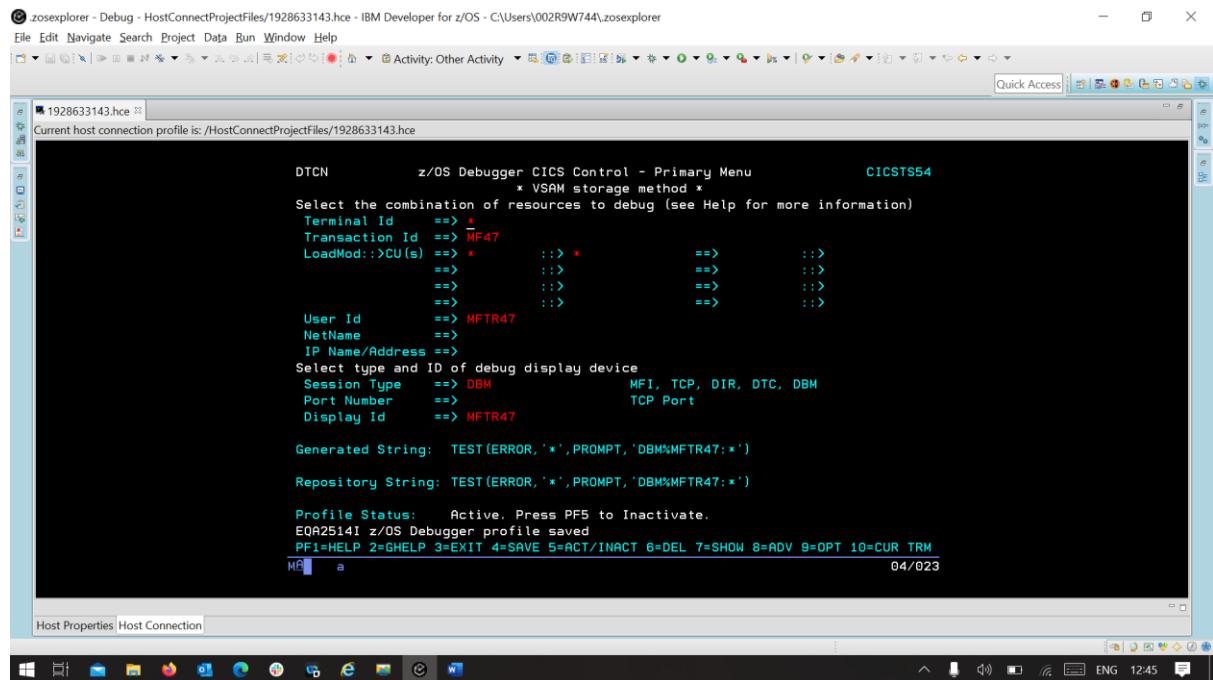


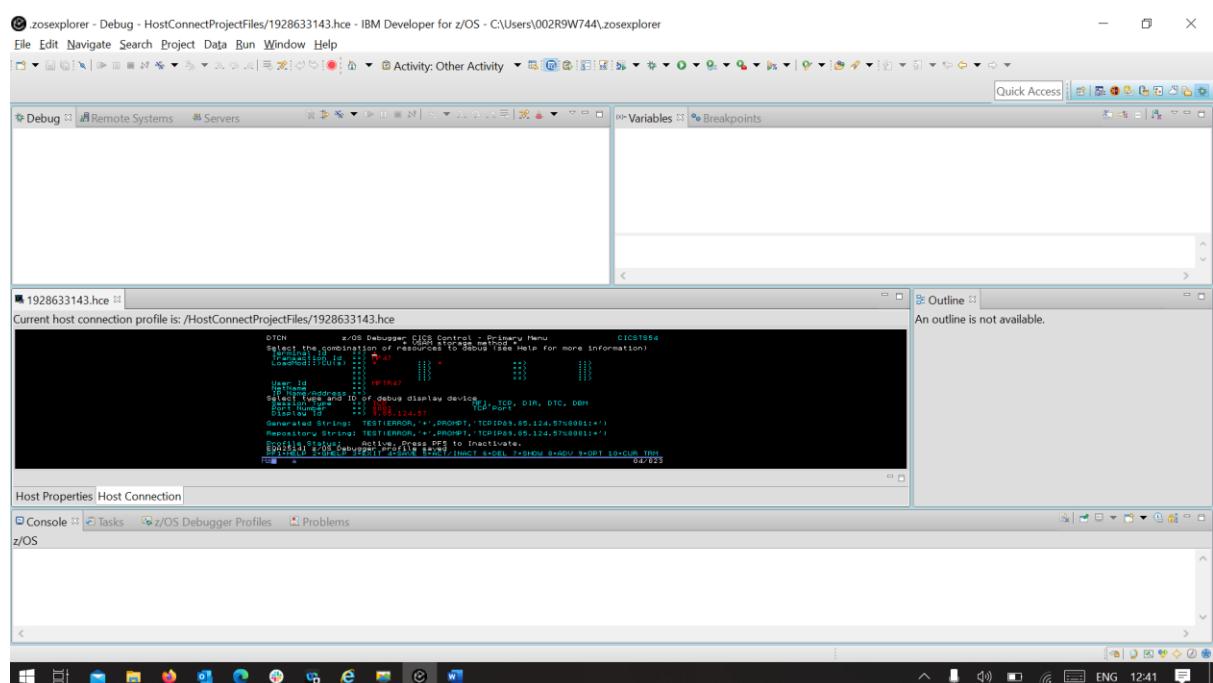
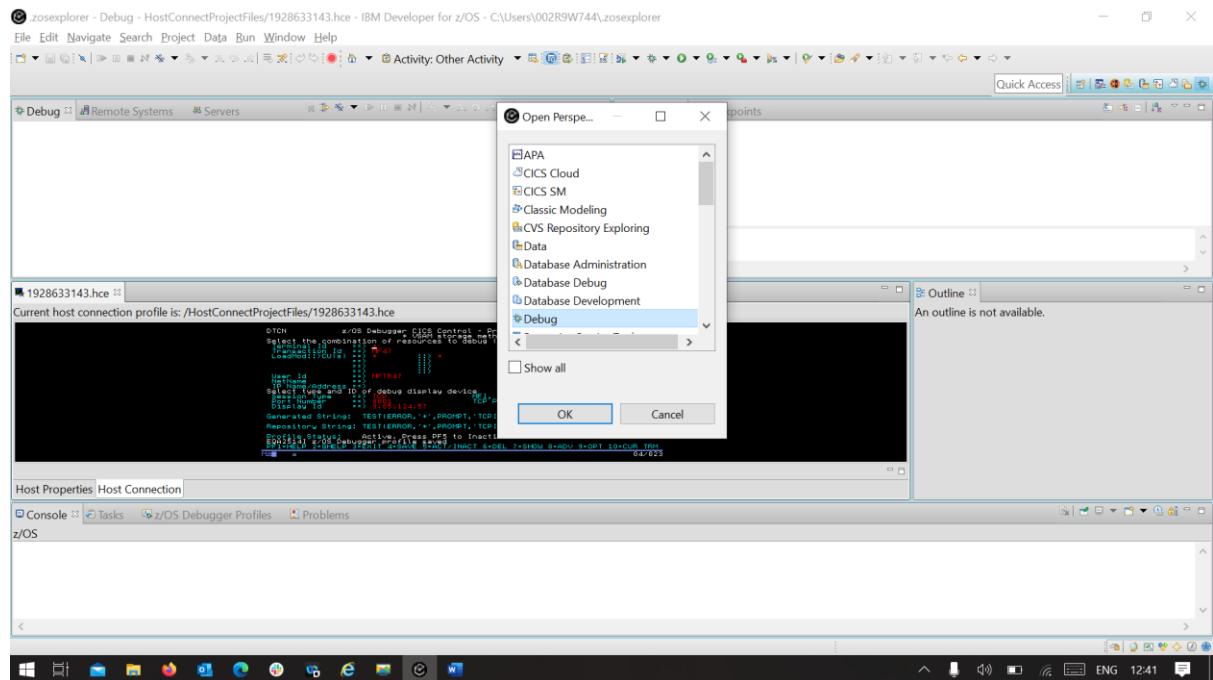


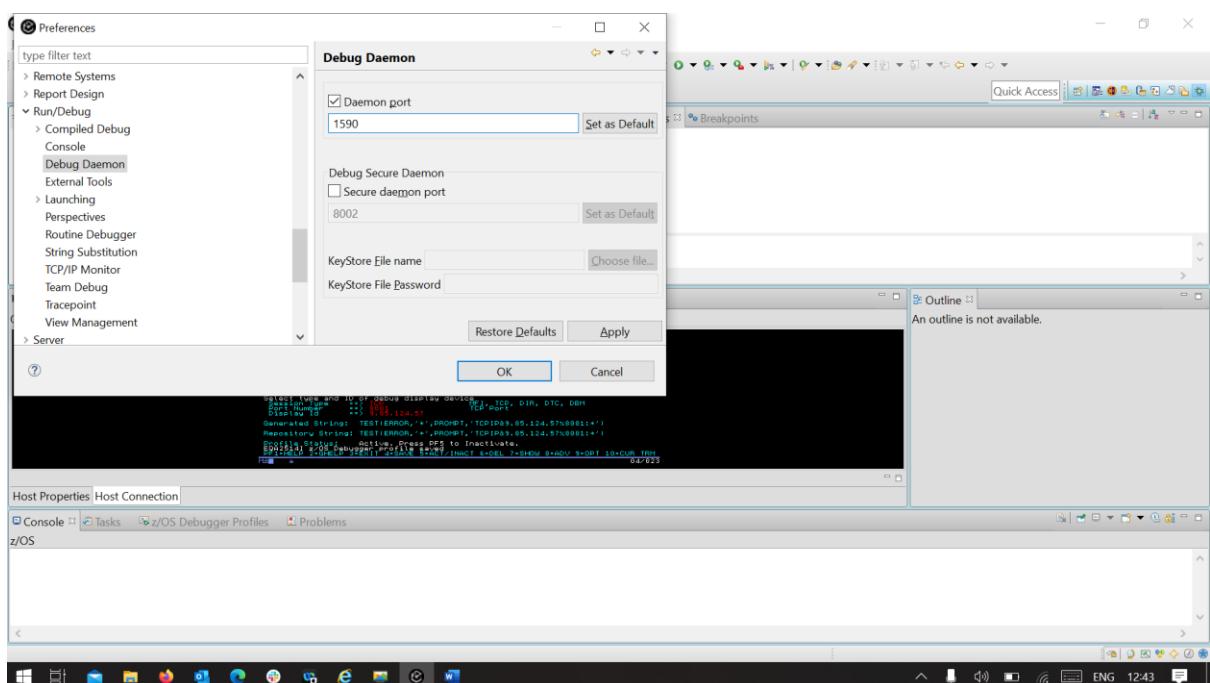
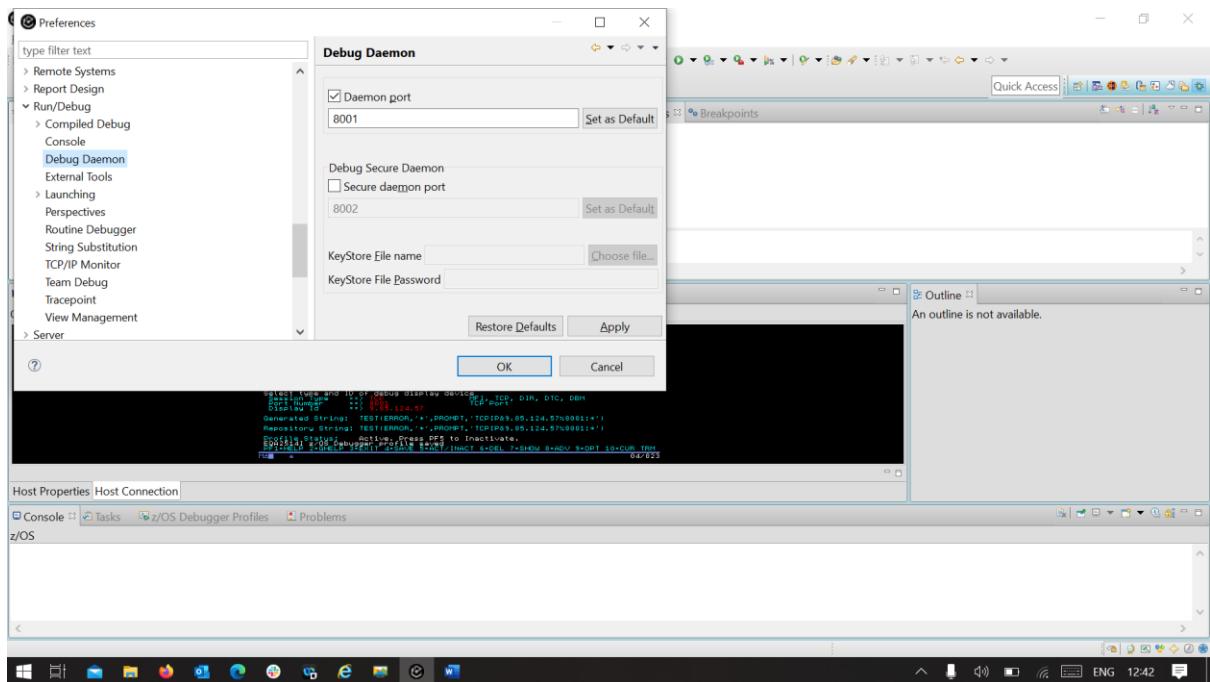












.zosexplorer - z/OS Projects - HostConnectProjectFiles/1928633143.hce - IBM Developer for z/OS - C:\Users\002R9W744\zosexplorer

Select one of the following to add a repository to this view:

- Add an existing local Git repository
- Clone a Git repository
- Create a new local Git repository

Properties **Outline**

```

Prop... Value
Attri...
BLI 32720
DA **None**
DS DATA_LIB...
DS PO
EX PO (maxim...
LRI 80
MF **None**
Nu
PR 301
RE FB
SE 100
SD_BLOCK

```

COBOL LOCATION: MF47CB1 ENTRY

Command ==> Scroll ==> PAGE
MONITOR <-----1-----2-----3-----4-----5-----6 LINE: 0 OF 0
***** TOP OF MONITOR *****
***** BOTTOM OF MONITOR *****

SOURCE: MF47CB1 -> 208.1
PROGRAM-ID: MF47CB1.
AUTHOR: SONALI.
DATE-WRITTEN: 07/06/2022.
* REMARK - THIS PROGRAM IS WRITTEN TO INTERACT WITH
FRONT-END AND CALLS BELOW PROGRAMS:
0004 The operating system has generated the following message:
0005 EDR1986E Unexpected TCP/IP error. Module=EQACSTCP, Location=110,
0006 TCP/IP call=CONNEC, return_code=Timed out
0007 PF 1:? 2:STEP 3:QUIT 4:LIST 5:FIND 6:AT/CLEAR
PF 7:UP 8:DOWN 9:00 10:ZOOM 11:ZOOM LOG 12:RETRIEVE
MF47CB1.a 02/015

Host Properties **Host Connection**

Gett... Rem... z/OS... Prop... Snip... Git St... Rem... z/OS... PDS... SQL... Rem... Prog... z/OS... Debug Cod...

[07/07/22, 3:31 PM] Job MFT471:JOB02113 ended with completion code CC 0004
[07/07/22, 4:03 PM] Job JOB02116 is being submitted
[07/07/22, 4:03 PM] Job MFT471:JOB02170 ended with completion code CC 0004

Quick Access

Remote Systems

- MFT47.JCLLIB
 - CB1BAKUP.jcl
 - MF47CB1.jcl
 - MF47CB2.jcl
 - MF47CB3.jcl
 - MR47BMS.jcl
 - MR47BMS1.jcl
- MFT47.LOAD
 - MFT47.PROGRAM.BKUP
 - MFT47.50W1.ISPF.ISPPROF
 - MFT47.SOURCE.BMS
 - MFT47.SOURCE.COBOL
 - MF47CB1.cbl
 - MF47CB2.cbl
 - MF47CB3.cbl
 - PRGM28KU.cbl
 - PRGM38KU.cbl
 - MFT47.SOURCE.COPYLIB
 - CLAIMS7.cpp
 - CLAIMS8U.cpp
 - MF47BMS.cpp
- MFT47.SOURCE.ICL
- MFT47.SOURCE.LISTING
- MFT47.SOURCE.OBLIB
- My Favorites
- TSO Commands
 - JES
 - Retrieved Jobs
 - MFT471:JOB02095 [CC 0004]
 - JES2:JESMSGGL
 - JES2:JESJCL
 - JES2:JESYMSG
 - T000:COBTRAN:SYSPRINT [000-]
 - LKED:LINKSYSPRINT [0000]
 - Retrieved Jobs
 - MFT471:JOB02095 [CC 0004]
 - JES2:JESMSGGL
 - JES2:JESJCL
 - JES2:JESYMSG
 - T000:COBTRAN:SYSPRINT [000-]
 - LKED:LINKSYSPRINT [0000]
 - My Jobs
 - MFT47:TSU02021 [ACTIVE]

.zosexplorer - z/OS Projects - HostConnectProjectFiles/1928633143.hce - IBM Developer for z/OS - C:\Users\002R9W744\zosexplorer

Select one of the following to add a repository to this view:

- Add an existing local Git repository
- Clone a Git repository
- Create a new local Git repository

Properties **Outline**

```

Prop... Value
Data MFT47...
Date 2022/07/...
DD N JESJCL
DSID 3
Lines 43
Name JES2::JESI...
Num 0
Proc
Step JES2
Step
Time 02:52:32
Type JES Data ...

```

COBOL LOCATION: MF47CB1 > 208.1

Command ==> Scroll ==> PAGE
MONITOR <-----1-----2-----3-----4-----5-----6 LINE: 0 OF 0
***** TOP OF MONITOR *****
***** BOTTOM OF MONITOR *****

SOURCE: MF47CB1 --> 208.1
MOVE LOW-VALUES TO MF47BMS1.
MOVE LOW-VALUES TO MF47BMS0.
PERFORM 1000-SEND-MAP-PARA.
PERFORM 2000-RECEIVE-MAP-PARA.
PERFORM 3000-PROCESS-PARA.
PERFORM 8000-EXIT-PARA.
LOG 0 -----1-----2-----3-----4-----5-----6 LINE: 5 OF 8
0005 EDR1986E Unexpected TCP/IP error. Module=EQACSTCP, Location=110,
0006 TCP/IP call=CONNEC, return_code=Timed out
0007 STEP :
PF 1:? 2:STEP 3:QUIT 4:LIST 5:FIND 6:AT/CLEAR
PF 7:UP 8:DOWN 9:00 10:ZOOM 11:ZOOM LOG 12:RETRIEVE
MF47CB1.a 02/015

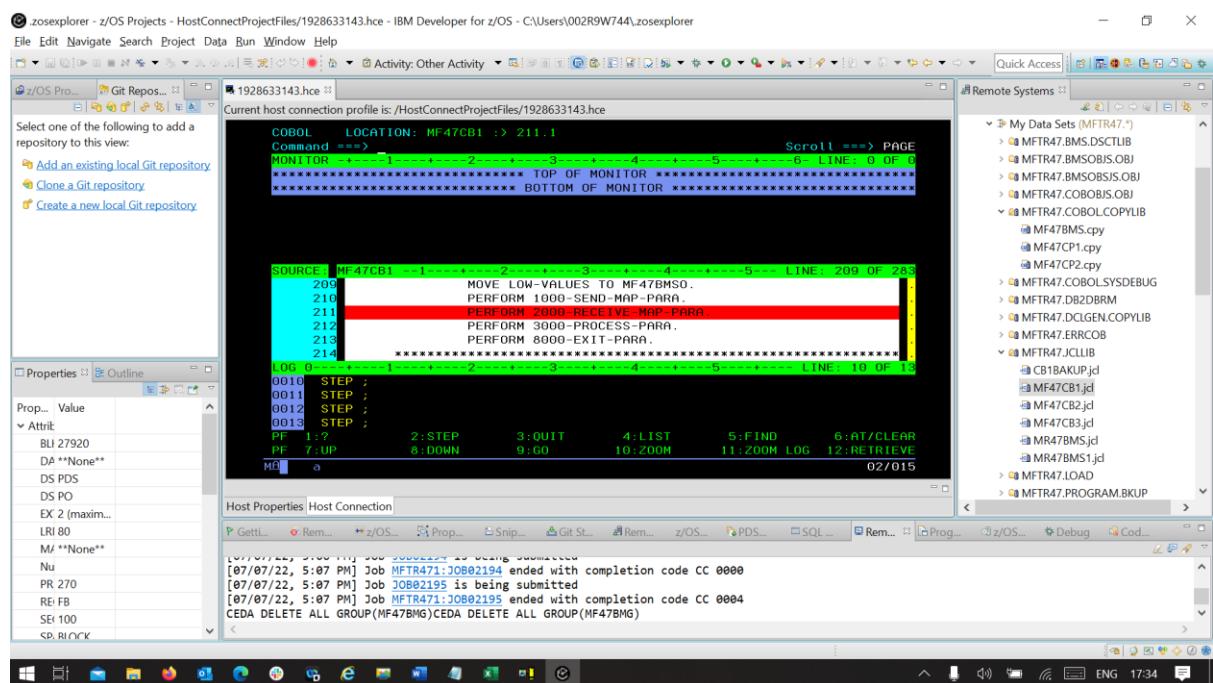
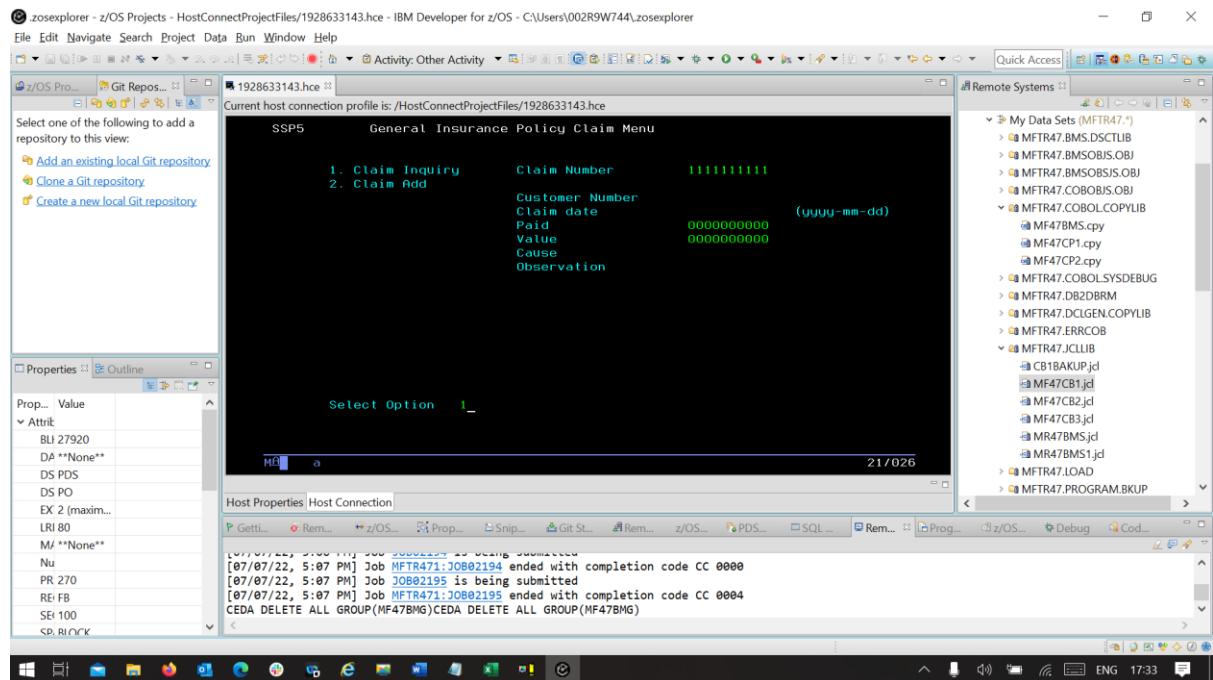
Host Properties **Host Connection**

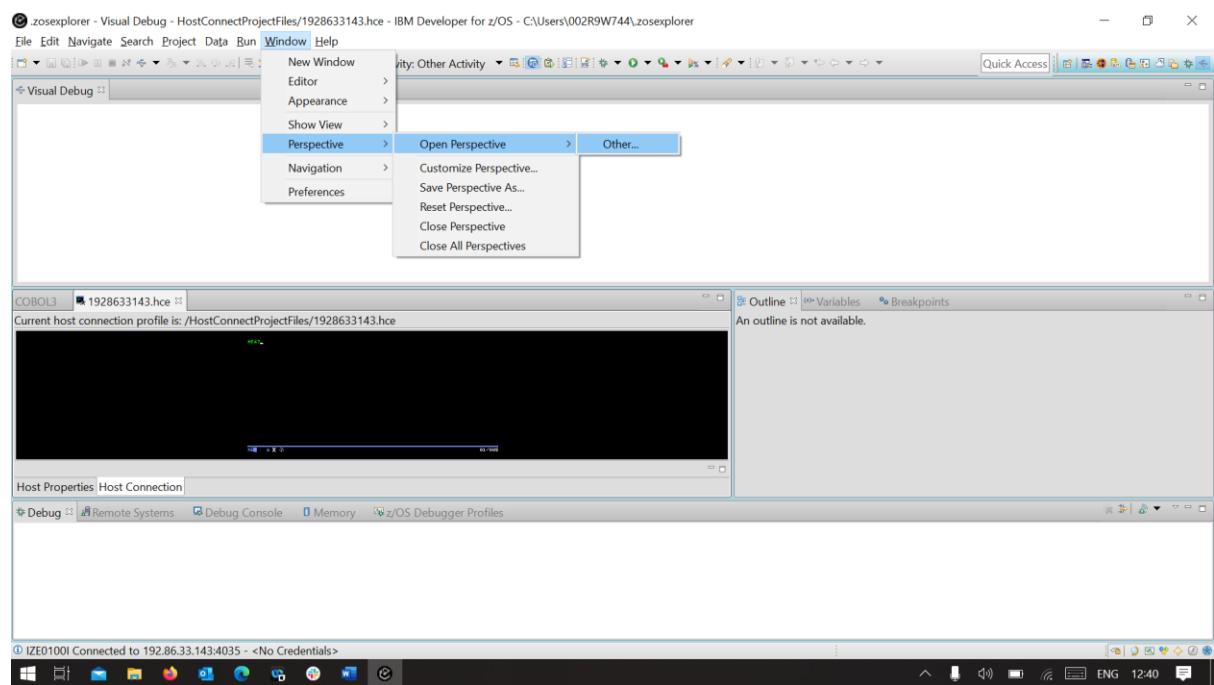
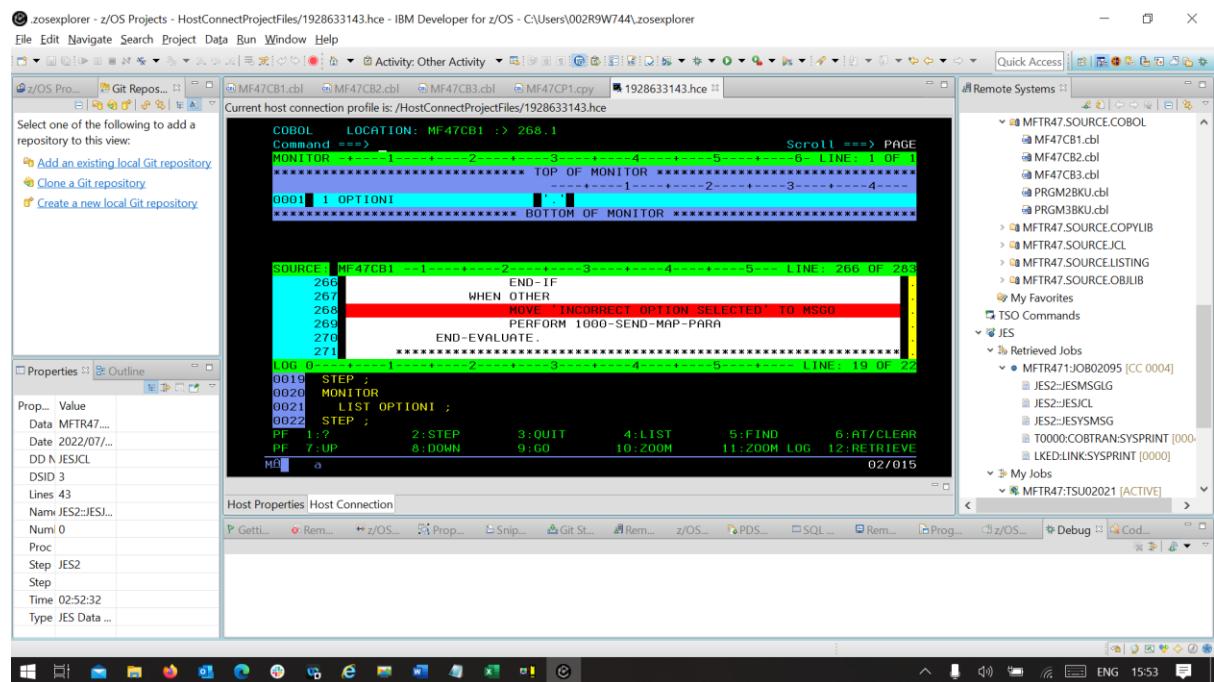
Gett... Rem... z/OS... Prop... Snip... Git St... Rem... z/OS... PDS... SQL... Rem... Prog... z/OS... Debug Cod...

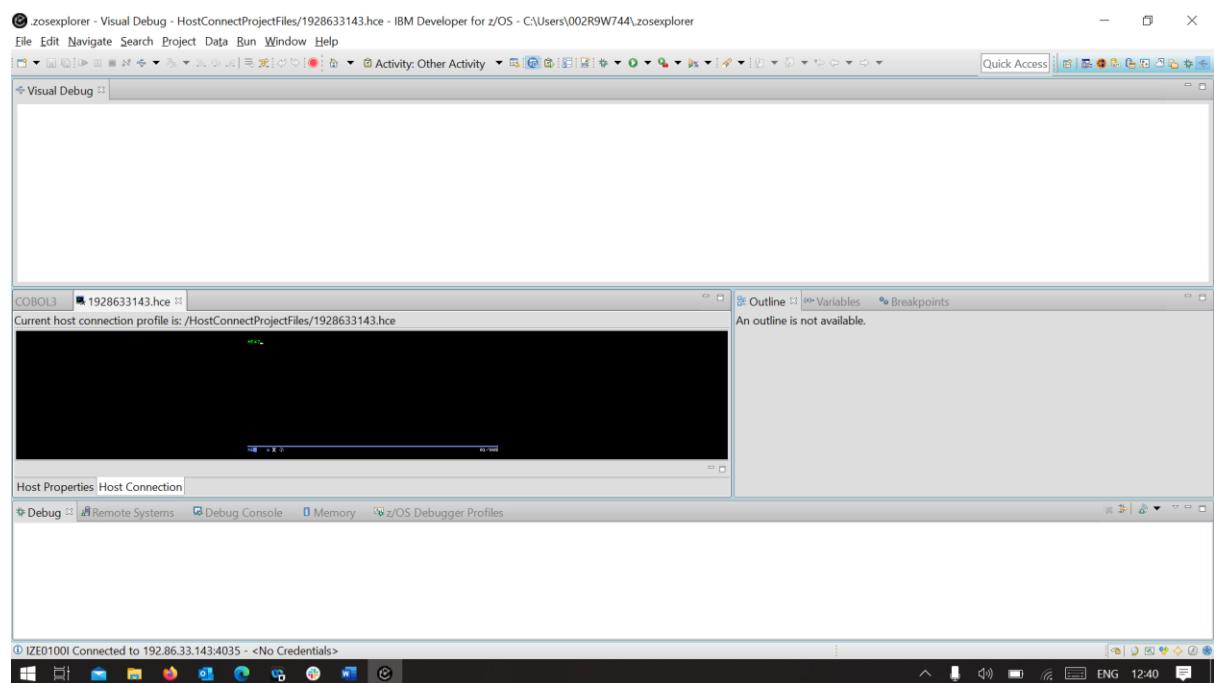
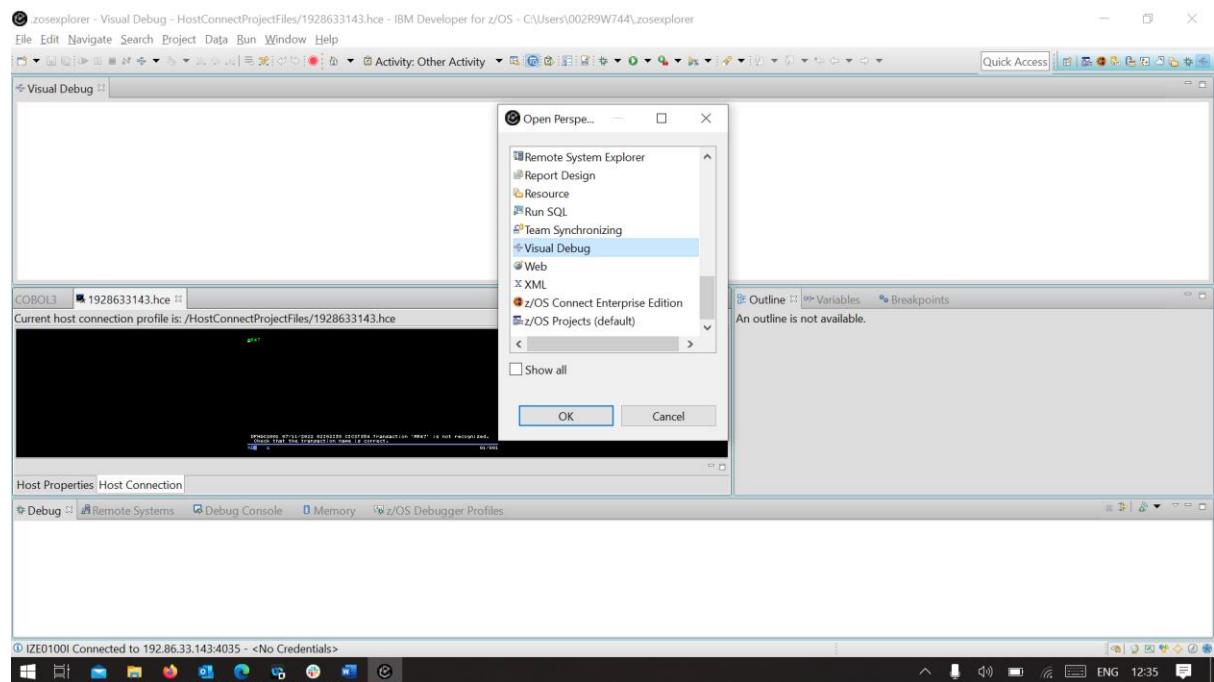
Quick Access

Remote Systems

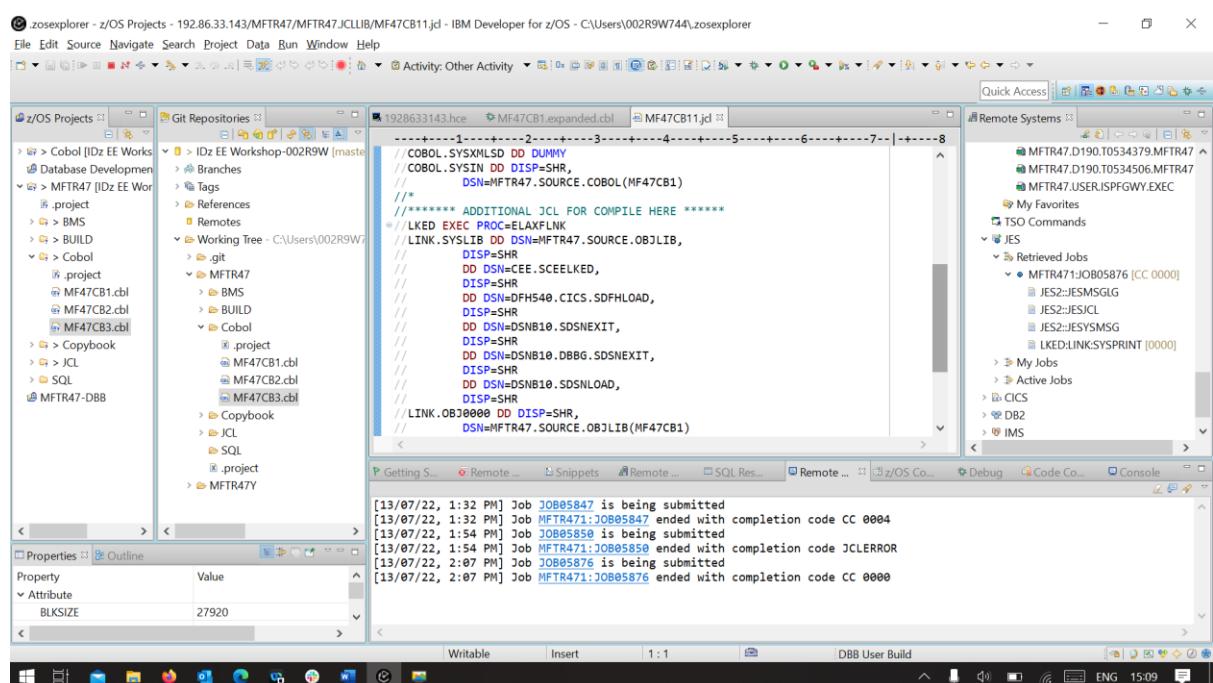
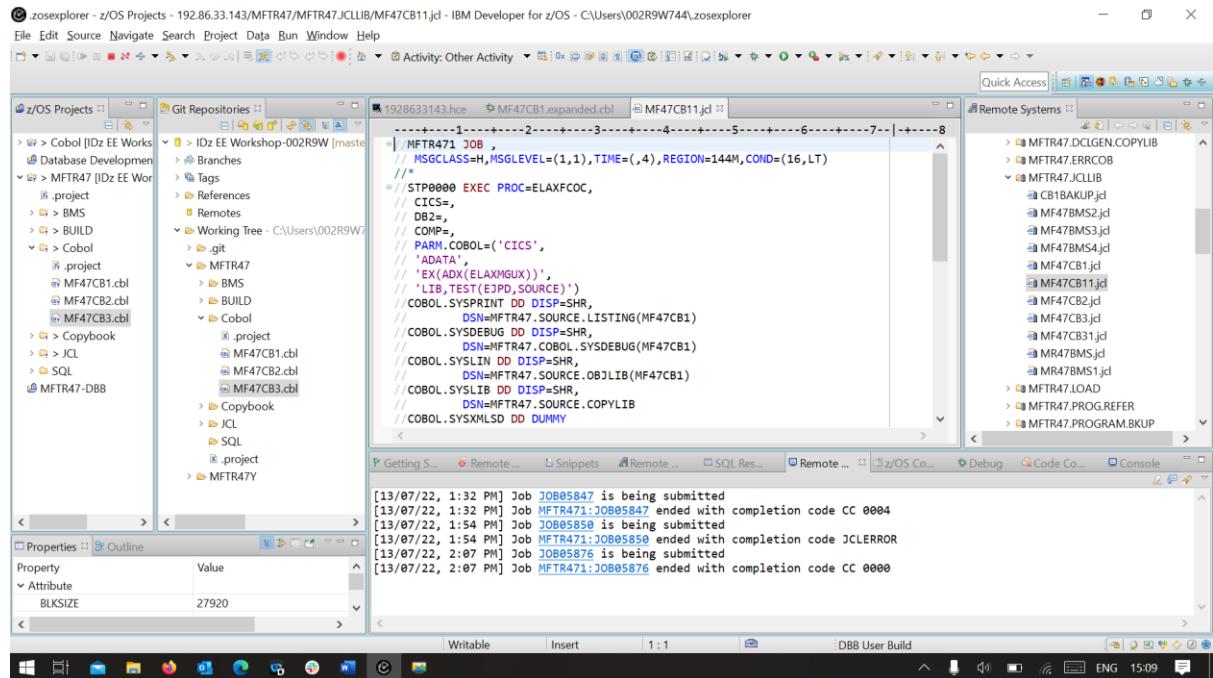
- MFT47.SOURCE.COBOL
 - MF47CB1.cbl
 - MF47CB2.cbl
 - MF47CB3.cbl
 - PRGM28KU.cbl
 - PRGM38KU.cbl
- MFT47.SOURCE.COPYLIB
 - CLAIMS7.cpp
 - CLAIMS8U.cpp
 - MF47BMS.cpp
- MFT47.SOURCE.ICL
- MFT47.SOURCE.LISTING
- MFT47.SOURCE.OBLIB
- My Favorites
- TSO Commands
 - JES
 - Retrieved Jobs
 - MFT471:JOB02095 [CC 0004]
 - JES2:JESMSGGL
 - JES2:JESJCL
 - JES2:JESYMSG
 - T000:COBTRAN:SYSPRINT [000-]
 - LKED:LINKSYSPRINT [0000]
 - Retrieved Jobs
 - MFT471:JOB02095 [CC 0004]
 - JES2:JESMSGGL
 - JES2:JESJCL
 - JES2:JESYMSG
 - T000:COBTRAN:SYSPRINT [000-]
 - LKED:LINKSYSPRINT [0000]
 - My Jobs
 - MFT47:TSU02021 [ACTIVE]







JCL execution –



The screenshot shows the IBM Developer for z/OS interface. The main window displays a JCL source code editor with the file 'MF47CB1.jcl'. The code is a COBOL program with various DD statements and includes sections for DFH540, DSNB10, and MFTR47. The status bar at the bottom shows the message 'DBB User Build'.

```

//DSP=SHR
//DD DSN=DFH540. CICS.SDFHLOAD,
//DISP=SHR
//DD DSN=DSNB10. SDSNEXIT,
//DISP=SHR
//DD DSN=DSNB10. DBBG. SDSNEXIT,
//DISP=SHR
//DD DSN=DSNB10. SDSNLOAD,
//DISP=SHR
//LINK.OBJ0000 DD DISP=SHR,
//          DSN=MFTR47.SOURCE.OBJLIB(MF47CB1)
//LINK.SYSLIN DD *
  INCLUDE OBJ0000
/*
//LINK.SYSLMOD DD DISP=SHR,
//          DSN=ASHISSA.ZDEVOPS.LOADLIB(MF47CB1)
//*
***** ADDITIONAL JCL FOR LINK HERE *****
*/

```

The 'Properties' and 'Outline' panes are visible on the left, and the 'Remote Systems' pane on the right shows a list of JES2 and JES3 jobs. The taskbar at the bottom indicates the system is running Windows 10.

Job executed successfully

This screenshot is identical to the one above, showing the same JCL editor, properties pane, and remote systems view. The status bar at the bottom now displays the message '[13/07/22, 2:07 PM] Job MFTR47:JOB05876 ended with completion code CC 0000'.

Define program

1. Define the mapset , group --> CEDA DEFINE MAPSET(MF47BMS) GROUP(MF47BMS)
 CEDA DEFINE TRANSACTION(MF47) GROUP(MF47BMS)
 CEDA DEFINE PROGRAM(MF47CB1) GROUP(MF47BMS)
2. Install the group --> CEDA INSTALL GROUP(MF47BMS)
3. Send the MAP --> CECI SEND MAP(MF47BMS)

4. In case we need to redo the work above, we need to delete the group, --> CEDA DELETE ALL GROUP(MF47BMS)

```

.zosexplorer - z/OS Projects - HostConnectProjectFiles/1928633143.hce - IBM Developer for z/OS - C:\Users\002R9W744\zosexplorer
File Edit Navigate Search Project Data Run Window Help
z/OS Pro... Git Repos...
Database Development
1928633143.hce CICSTS54 (Managed Region)
Current host connection profile is: /HostConnectProjectFiles/1928633143.hce
DEFINE MAPSET(MF47BMS) GROUP(MF47BMS)
OVERTYPE TO MODIFY
CEDA DEFINE Mapset( MF47BMS )
Mapset : MF47BMS
Group : MF47BMS
Description ==>
REsident ==> No      No | Yes
Usage ==> Normal    Normal | Transient
USElpaCopy ==> No    No | Yes
Status ==> Enabled   Enabled | Disabled
RSL : 00              0-24 | Public
DEFINITION SIGNATURE
DEFinetime : 07/08/22 23:54:10
CHANGETime : 07/08/22 23:54:10
CHANGEUserid : MFTR47
CHANGEAgent : CSDApi     CSDApi | CSDBatch
CHANGEAGRet : 0710

I New group MF47BMS created.

SYSID=S710 APPLID=CICSTS54
DEFINE SUCCESSFUL          TIME: 23.54.10 DATE: 07/08/22
PF 1 HELP 2 COM 3 END      6 CRSR 7 SBH 8 SFH 9 MSG 10 SB 11 SF 12 CNCL
MF47BMS.a                  06/022

Host Properties|Host Connection
Getting Started Remote Error List Snippets Git Staging Remote System Details SQL Results Remote Console
z/OS Connect EE Servers Debug
[09/07/22, 10:19 AM] Job JOB03507 is being submitted
[09/07/22, 10:19 AM] Job MFTR471:JOB03507 ended with completion code CC 0000
[09/07/22, 10:19 AM] Job JOB03508 is being submitted
[09/07/22, 10:19 AM] Job MFTR471:JOB03508 ended with completion code CC 0004

```

```

.zosexplorer - z/OS Projects - HostConnectProjectFiles/1928633143.hce - IBM Developer for z/OS - C:\Users\002R9W744\zosexplorer
File Edit Navigate Search Project Data Run Window Help
z/OS Pro... Git Repos...
Database Development
1928633143.hce CICSTS54 (Managed Region)
Current host connection profile is: /HostConnectProjectFiles/1928633143.hce
OVERTYPE TO MODIFY
CEDA DEFINE Transaction( MF47 )
TRANSACTION : MF47
Group : MF47BMS
DESCRIPTION ==>
PROGraM ==> MF47CB1
TWasize ==> 00000
PROFILE ==> DFHCICST
PARTitionset ==>
STATUS ==> Enabled      Enabled | Disabled
PRIMedsize ==> 0-65520
TASKDATAloc ==> Any      Below | Any
TASKDATAKey ==> User    User | Cics
STOrageclear ==> No     No | Yes
Runaway ==> System    System | 0 | 250-2700000
SHutdown ==> DisAbled  DisAbled | Enabled
ISolate ==> Yes       Yes | No
Brexit ==>

+ REMOTE ATTRIBUTES

SYSID=S710 APPLID=CICSTS54
DEFINE SUCCESSFUL          TIME: 23.55.03 DATE: 07/08/22
PF 1 HELP 2 COM 3 END      6 CRSR 7 SBH 8 SFH 9 MSG 10 SB 11 SF 12 CNCL
MF47BMS.a                  07/022

Host Properties|Host Connection
Getting Started Remote Error List Snippets Git Staging Remote System Details SQL Results Remote Console
z/OS Connect EE Servers Debug
[09/07/22, 10:19 AM] Job JOB03507 is being submitted
[09/07/22, 10:19 AM] Job MFTR471:JOB03507 ended with completion code CC 0000
[09/07/22, 10:19 AM] Job JOB03508 is being submitted
[09/07/22, 10:19 AM] Job MFTR471:JOB03508 ended with completion code CC 0004

```

The screenshot shows the z/OS Explorer interface with several windows open:

- File Explorer**: Shows a tree view of the current host connection profile.
- Properties**: Shows the properties for the selected item in the file explorer.
- Output Window**: Displays the output of a CICS transaction (MF47CB1) and a file browser (z/OS Connect EE Servers).
- Host Properties**: Shows the host properties for the current connection.
- Host Connection**: Shows the connection details.
- System Bar**: Shows the system tray icons.

The main window displays the following CICS transaction output:

```
DEFINE PROGRAM(MF47CB1) GROUP(MP47BMS)
OVERTYPE TO MODIFY
CEDA DEFINE PROGRAM( MF47CB1 )
  PROGRAM      : MF47CB1
  Group        : MF47BMS
  Description  ==> -
    Language   ==> Cobol | Assembler | Le370 | C | Pli
    REload     ==> No      | Yes
    Resident   ==> No      | Yes
    Usage       ==> Normal | Transient
    USETpacopy ==> No      | Yes
    SStatus    ==> Enabled | Disabled
    RSI        ==> 00     | Public
    CEDf       ==> Yes    | No
    DataLocation ==> NLU   | Any
    EXECKey    ==> User   | Cics
    Concurrency ==> Quasirent
    API        ==> Cicsapi
    REMOTE ATTRIBUTES
    Dynamic    ==> No      | Yes

SYSPID=S710 APPLID=CICSTS54
TIME: 23.55.32 DATE: 07/08/22
PF 1 HELP 2 COM 3 END
6 CSR 7 SBH 8 SFH 9 MSG 10 SB 11 SF 12 CNC
06/022
```

The file browser on the right shows a tree view of remote systems and files.

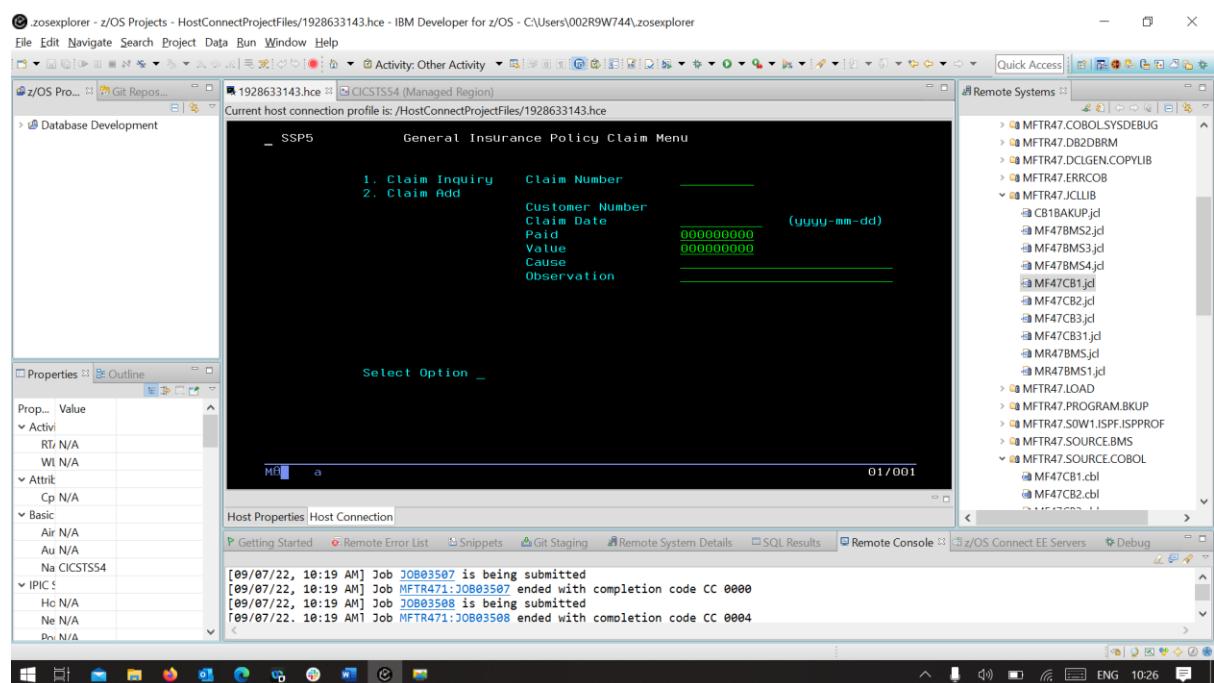
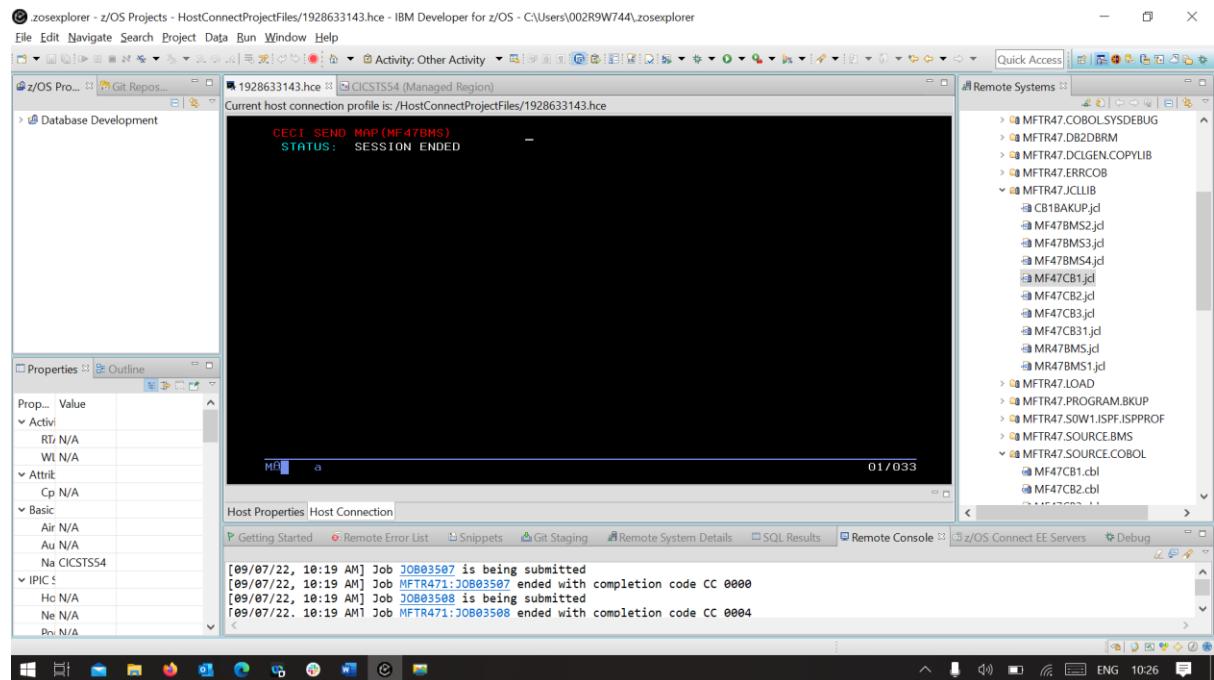
The screenshot shows the z/OS Explorer interface with several windows open:

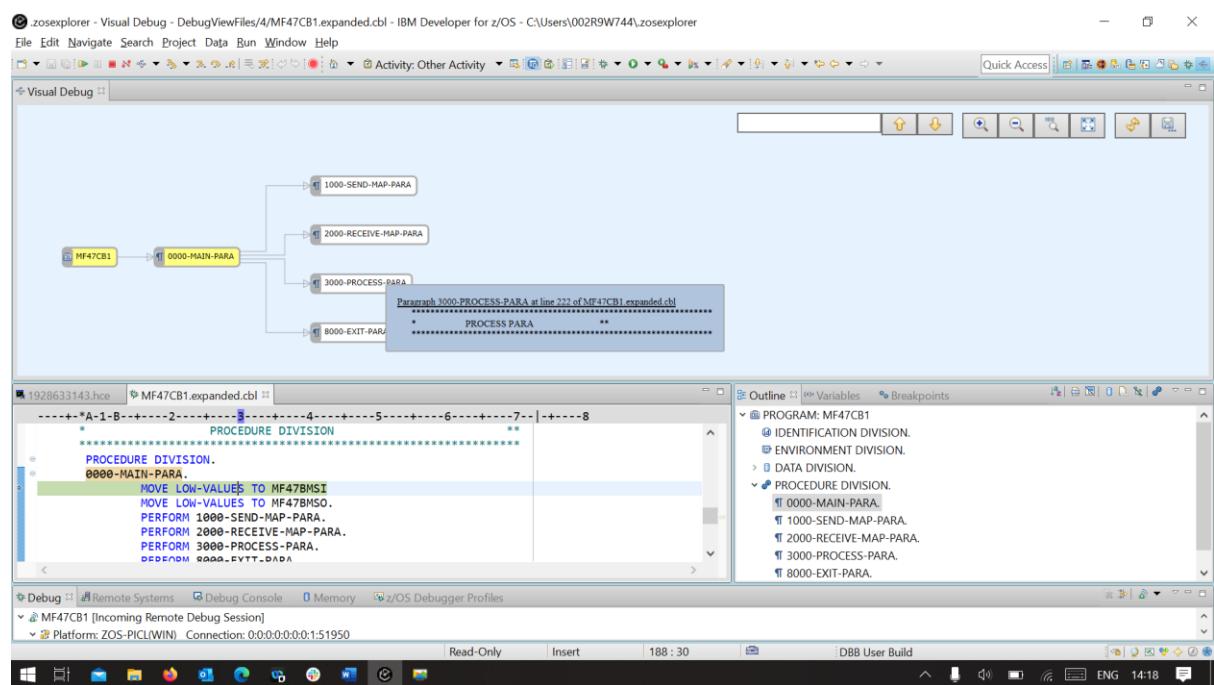
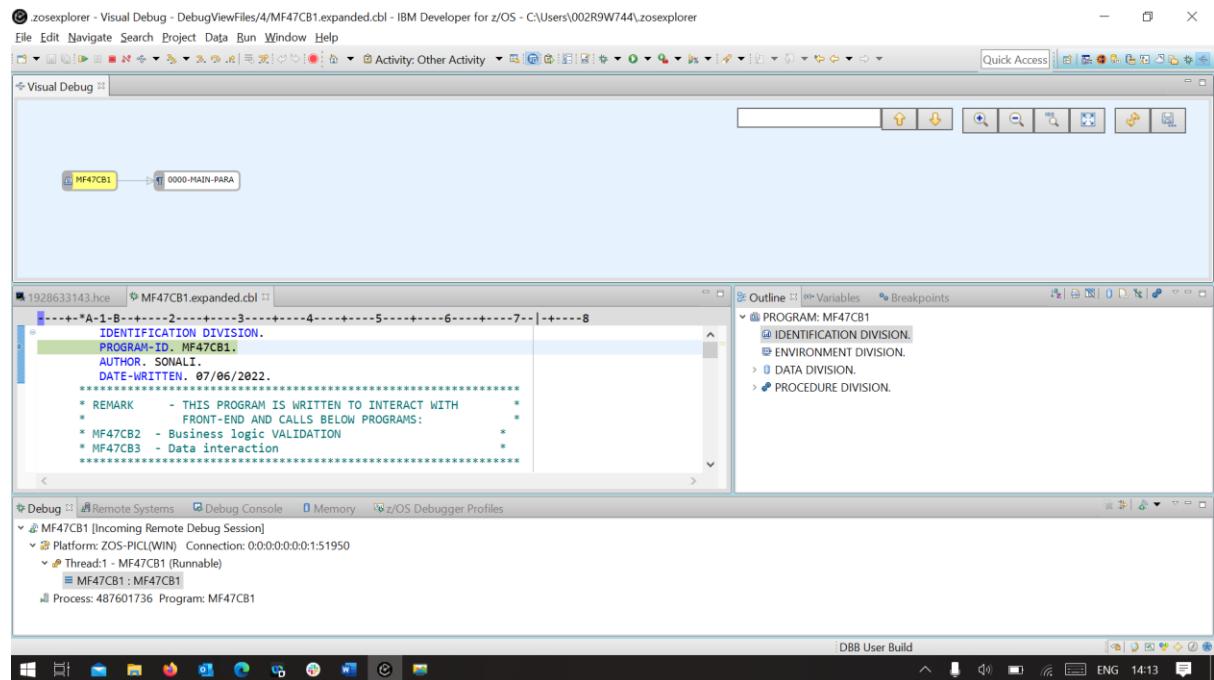
- File Explorer**: Shows a tree view of project files.
- Properties**: Shows properties for a selected file.
- Output**: Displays the command issued and its output:

```
INSTALL GROUP(MF47BMS)  
OVERTYPE TO MODIFY  
CEDA Install  
  ALL  
  ATomservice ==> -  
  Bundle ==> -  
  CONnection ==>  
  CORBaserver ==>  
  DB2Conn ==>  
  DB2Entry ==>  
  DB2Tran ==>  
  DJar ==>  
  DOctemplate ==>  
  Enqmodel ==>  
  File ==>  
  Ipcconn ==>  
  Journnalmodel ==>  
  JVMserver ==>  
  Library ==>  
  LSrpool ==>
```

```
SYSID=S710 APPLID=CICSTS54  
TIME: 23:56.00 DATE: 07/08/22  
PF 1 HELP 3 END 6 CCSR 7 SBH 8 SFH 9 MSG 10 SB 11 SF 12 CNC  
05/022
```
- Host Properties**: Shows host connection details.
- Host Connection**: Shows log activity:

Time	User	Action	Status
09/07/22, 10:19 AM	Job	JOB03507 is being submitted	
09/07/22, 10:19 AM	MFTR471	JOB03507 ended with completion code CC 0000	
09/07/22, 10:19 AM	Job	JOB03508 is being submitted	
09/07/22, 10:19 AM	MFTR471	JOB03508 ended with completion code CC 0004	





.zosexplorer - Visual Debug - DebugViewFiles/4/MF47CB1.expanded.cbl - IBM Developer for z/OS - C:\Users\002R9W744\.zosexplorer

File Edit Navigate Search Project Data Run Window Help

Activity: Other Activity

Quick Access

Visual Debug

1928633143.hce MF47CB1.expanded.cbl

```

-----*A-1-B-----2-----3-----4-----5-----6-----7-----8
MOVE LOW-VALUES TO MF47BMS0.
PERFORM 1000-SEND-MAP-PARA.
PERFORM 2000-RECEIVE-MAP-PARA.
PERFORM 3000-PROCESS-PARA.
PERFORM 8000-EXIT-PARA.
***** SEND MAP TO CICS SCREEN ****
1000-SEND-MAP-PARA.
EVER CTCSEND

```

Outline

- PROGRAM: MF47CB1
 - IDENTIFICATION DIVISION.
 - ENVIRONMENT DIVISION.
 - DATA DIVISION.
 - PROCEDURE DIVISION.
 - 0000-MAIN-PARA.
 - 1000-SEND-MAP-PARA.
 - 2000-RECEIVE-MAP-PARA.
 - 3000-PROCESS-PARA.
 - 8000-EXIT-PARA.

Debug

Remote Systems Debug Console Memory z/OS Debugger Profiles

0000-MAIN-PARA : MF47CB1

Process: 487601736 Program: MF47CB1

DBB User Build

.zosexplorer - Visual Debug - DebugViewFiles/4/MF47CB1.expanded.cbl - IBM Developer for z/OS - C:\Users\002R9W744\.zosexplorer

File Edit Navigate Search Project Data Run Window Help

Activity: Other Activity

Quick Access

Visual Debug

1928633143.hce MF47CB1.expanded.cbl

```

-----*A-1-B-----2-----3-----4-----5-----6-----7-----8
2000-RECEIVE-MAP-PARA.
EXEC CICS RECEIVE
MAP('MF47BMS')
MAPSET('MF47BMSI')
INTO(MF47BMSI)
END-EXEC.
***** PROCESS PARA ****

```

Outline

- PROGRAM: MF47CB1
 - IDENTIFICATION DIVISION.
 - ENVIRONMENT DIVISION.
 - DATA DIVISION.
 - PROCEDURE DIVISION.
 - 0000-MAIN-PARA.
 - 1000-SEND-MAP-PARA.
 - 2000-RECEIVE-MAP-PARA.
 - 3000-PROCESS-PARA.
 - 8000-EXIT-PARA.

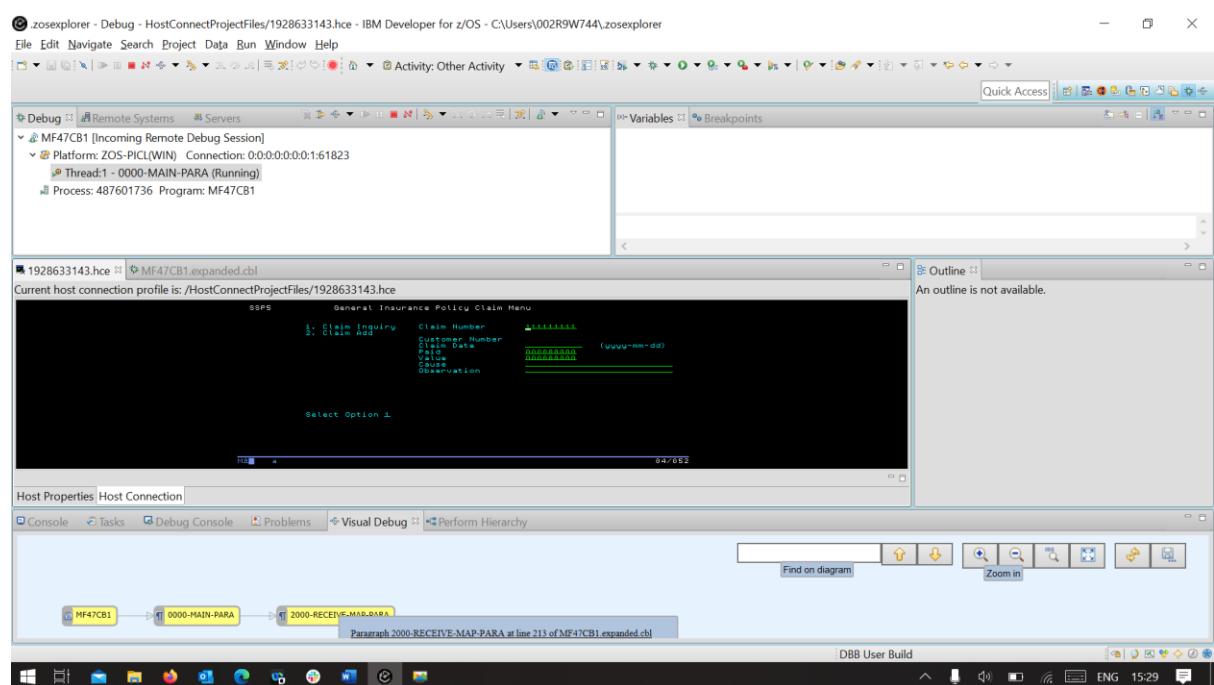
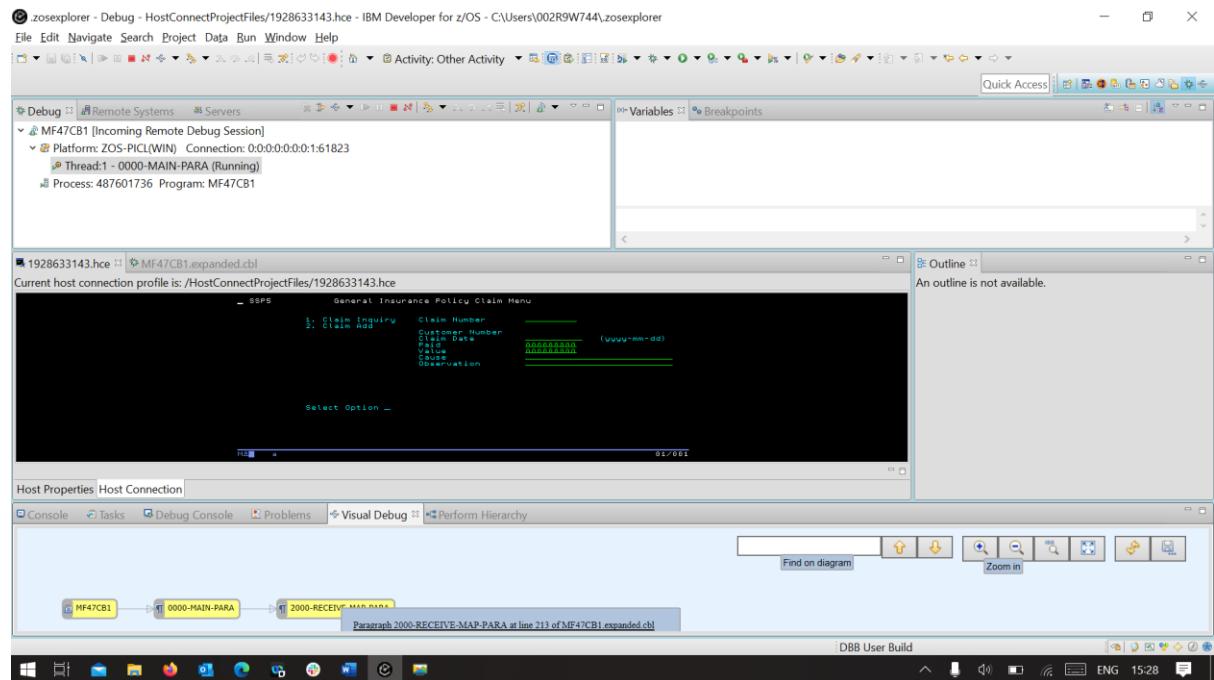
Debug

Remote Systems Debug Console Memory z/OS Debugger Profiles

2000-RECEIVE-MAP-PARA : MF47CB1

0000-MAIN-PARA : MF47CB1

DBB User Build



The screenshot shows the zosexplorer - Visual Debug interface for IBM Developer for z/OS. The main window displays a CICS screen dump with several lines of assembly code overlaid. The code includes MOVE LOW-VALUES TO MF47BMSI, PERFORM 1000-SEND-MAP-PARA, and various EXEC CICS SEND commands. The assembly code is color-coded by line number (0000 to 8000). To the right, the Outline view shows the structure of the program, including the Identification, Environment, and Data divisions, as well as the Procedure Division with its subroutines. The bottom navigation bar includes tabs for Debug, Remote Systems, Debug Console, Memory, and z/OS Debugger Profiles. The status bar at the bottom shows the current file is 1928633143.hce, the page is Read-Only, and the page number is 192 : 1.

The screenshot shows the IBM Developer for z/OS interface with the following details:

- Title Bar:** .zosexplorer - Visual Debug - DebugViewFiles/6/MF47CB1.expanded.cbl - IBM Developer for z/OS - C:\Users\002R9W744\zosexplorer
- Menu Bar:** File Edit Navigate Search Project Data Run Window Help
- Toolbar:** Includes icons for Save, Open, Print, Copy, Paste, Find, Replace, and various developer tools.
- Quick Access:** A toolbar with icons for recent files, search, and other developer functions.
- Visual Debug:** A flowchart showing the sequence of program units:

```
MF47CB1 --> 0000-MAIN-PARA --> 3000-PROCESS-PARA --> 1000-SEND-MAP-PARA
```
- Code Editor:** Displays the source code for MF47CB1.expanded.cbl. The current line is highlighted in green:

```
*****  
* A-1-B-----2-----3-----4-----5-----6-----7-----8  
*-----END-EXEC.  
*-----  
*-----PROCESS PARA-----  
*****  
3000-PROCESS-PARA.  
EVALUATE OPTIONI  
WHEN 1  
WHEN 2  
CALL WS-MF47CB2 USING MF47BMSI  
MF47BMSO  
WS-ERROR-FLAG  
IF ERROR-TRUE  
CONTINUE  
ELSE  
CALL WS-MF47CB3 USING MF47BMSI  
MF47BMSO  
END-IF
```
- Outline View:** Shows the structure of the program:

```
PROGRAM: MF47CB1  
  IDENTIFICATION DIVISION.  
  ENVIRONMENT DIVISION.  
  DATA DIVISION.  
  PROCEDURE DIVISION.  
    0000-MAIN-PARA.  
    1000-SEND-MAP-PARA.  
    2000-RECEIVE-MAP-PARA.  
    3000-PROCESS-PARA.  
    8000-EXIT-FLAG.
```
- Debug View:** Shows the current debug session:
 - Platform: ZOS-PICL(WIN) Connection: 0:0:0:0:0:1:64894
 - Thread:1 - 0000-MAIN-PARA (Runnable)
 - 3000-PROCESS-PARA : MF47CB1
 - 0000-MAIN-PARA : MF47CB1
- Bottom Status:** Read-Only, Insert, 223:1, DBB User Build, ENG, 15:33

The screenshot shows the zosexplorer - Visual Debug interface for IBM Developer for z/OS. The top menu bar includes File, Edit, Navigate, Search, Project, Data, Run, Window, Help, and Activity: Other Activity. The toolbar contains various icons for file operations and navigation. The main workspace is divided into several panes:

- Visual Debug:** A flowchart showing the sequence of program components: MF47CB1, 0000-MAIN-PARA, 3000-PROCESS-PARA, and 1000-SEND-MAP-PARA.
- Code Editor:** Displays assembly code for the file 192863143.hce, specifically the PROCEDURE DIVISION section. It highlights the instruction `CALL WS-MF47CB2 USING MF47BMSI`.
- Outline:** Shows the structure of the program:
 - PROGRAM: MF47CB1
 - IDENTIFICATION DIVISION.
 - ENVIRONMENT DIVISION.
 - DATA DIVISION.
 - PROCEDURE DIVISION.
 - 0000-MAIN-PARA.
 - 1000-SEND-MAP-PARA.
 - 2000-RECEIVE-MAP-PARA.
 - 3000-PROCESS-PARA.
 - 8000-EXIT-PARA.
- Debug:** A pane showing the current debug session details, including the platform (ZOS-PICL(WIN)), connection information, and the current thread (Thread:1 - 0000-MAIN-PARA (Runnable)).

The screenshot shows the IBM Developer for z/OS interface. The title bar indicates the session is for .zosexplorer - Visual Debug - DebugViewFiles/6/MF47CB2.expanded.cbl - IBM Developer for z/OS - C:\Users\002R9W744\zosexplorer. The main window displays a flowchart with nodes: MF47CB2, 0000-MAIN-PARA, and 1000-VALIDATE-PARA. Below the flowchart is the source code for MF47CB2.expanded.cbl. The code includes sections for MAIN - PARA, 0000-MAIN-PARA (containing a PERFORM 1000-VALIDATE-PARA statement), and 1000-VALIDATE-PARA (containing initialization and validation logic). The Outline and Variables panes are visible on the right side of the interface.

.zosexplorer - Visual Debug - DebugViewFiles/6/MF47CB2.expanded.cbl - IBM Developer for z/OS - C:\Users\002R9W744\zosexplorer

File Edit Navigate Search Project Data Run Window Help

Activity: Other Activity Quick Access

Visual Debug

```

-----+-----+-----+-----+-----+-----+-----+-----+
-----A-----B-----2-----3-----4-----5-----6-----7-----8
      *          VALIDATION OF DATA
      *
  1000-VALIDATE-PARA.
  *
  *           INITIALIZE ERROR-FLAG.
  *           EVALUATE OPTIONI
  *           WHEN W3B=1      PERFORM 1000-VALIDT-CLAIM-NUM
  *           WHEN W3B=2
-----+-----+-----+-----+-----+-----+-----+-----+

```

Outline

- PROGRAM: MF47CB2
 - IDENTIFICATION DIVISION.
 - ENVIRONMENT DIVISION.
 - DATA DIVISION.
 - PROCEDURE DIVISION
 - 0000-MAIN-PARA.
 - 1000-VALIDATE-PARA.
 - 1000-VALIDT-CLAIM-NUM.
 - 2000-VALIDT-PAID.
 - 2500-VALIDT-PAID-NUM.
 - 3000-VALIDT-VALUE.
 - 4000-VALIDT-DATE.

Debug

Platform: ZOS-PICL(WIN) Connection: 0:0:0:0:0:1:64894

Thread 1 - 0000-MAIN-PARA (Runnable)

1000-VALIDATE-PARA : MF47CB2

0000-MAIN-PARA : MF47CB2

Read-Only Insert 213:1 DBB User Build

ENG 15:34

.zosexplorer - Visual Debug - DebugViewFiles/6/MF47CB2.expanded.cbl - IBM Developer for z/OS - C:\Users\002R9W744\zosexplorer

File Edit Navigate Search Project Data Run Window Help

Activity: Other Activity Quick Access

Visual Debug

```

-----+-----+-----+-----+-----+-----+-----+-----+
-----A-----B-----2-----3-----4-----5-----6-----7-----8
      *          VALIDATE CLAIM NUMBER
      *
  1000-VALIDT-CLAIM-NUM.
  *
  IF claimNumI = 0
    MOVE W3B-MSG-CLMVAL1 TO MSGO
    MOVE W3B-Y TO ERROR-FLAG
  ELSE
    IF claimNumI IS NUMERIC
      MOVE W3B-N TO ERROR-FLAG
    ELSE
      MOVE W3B-Y TO ERROR-FLAG
      MOVE W3B-MSG-CLMVAL2 TO MSGO
    END-IF
  END-IF.
-----+-----+-----+-----+-----+-----+-----+-----+

```

Outline

- PROGRAM: MF47CB2
 - IDENTIFICATION DIVISION.
 - ENVIRONMENT DIVISION.
 - DATA DIVISION.
 - PROCEDURE DIVISION
 - 0000-MAIN-PARA.
 - 1000-VALIDATE-PARA.
 - 1000-VALIDT-CLAIM-NUM.
 - 2000-VALIDT-PAID.
 - 2500-VALIDT-PAID-NUM.
 - 3000-VALIDT-VALUE.
 - 4000-VALIDT-DATE.

Debug

Platform: ZOS-PICL(WIN) Connection: 0:0:0:0:0:1:64894

Thread 1 - 0000-MAIN-PARA (Runnable)

1000-VALIDT-CLAIM-NUM : MF47CB2

0000-VALIDT-DATE : MF47CB2

Read-Only Insert 239:1 DBB User Build

ENG 15:34

.zosexplorer - Visual Debug - DebugViewFiles/6/MF47CB2.expanded.cbl - IBM Developer for z/OS - C:\Users\002R9W744\zosexplorer

File Edit Navigate Search Project Data Run Window Help

Activity: Other Activity Quick Access

Visual Debug Step Into (F5)

MF47CB2 -> 0000-MAIN-PARA -> 1000-VALIDATE-PARA

Paragraph 0000-MAIN-PARA at line 202 of MF47CB2.expanded.cbl

```
***** MAIN - PARA ****
* 0000-MAIN-PARA.
* PERFORM 1000-VALIDATE-PARA.
* GOBACK.
* **** VALIDATION OF DATA ****
* 1000-VALIDATE-PARA.
* * INITIALIZE ERROR-FLAG.
* EVALUATE OPTIONI
* WHEN W3B-1
*   PERFORM 1000-VALIDT-CLAIM-NUM
* WHEN W3B-2
*   PERFORM 1000-VALIDT-CLAIM-NUM
```

Outline Variables Breakpoints

PROGRAM: MF47CB2
 IDENTIFICATION DIVISION.
 ENVIRONMENT DIVISION.
 DATA DIVISION.
 PROCEDURE DIVISION.
 0000-MAIN-PARA.
 1000-VALIDATE-PARA.
 1000-VALIDT-CLAIM-NUM.
 2000-VALIDT-PAID.
 2500-VALIDT-PAID-NUM.
 3000-VALIDT-VALUE.
 4000-VALIDT-DATE.

Debug Remote Systems Debug Console Memory z/OS Debugger Profiles

Platform: ZOS-PICL(WIN) Connection: 0:0:0:0:0:1:64894

Thread:1 - 0000-MAIN-PARA (Runnable)
 0000-MAIN-PARA : MF47CB2
 2000-PROCESS-PARA : MF47CB2

Read-Only Insert 204:1 DBB User Build

ENG 15:34

.zosexplorer - Visual Debug - DebugViewFiles/6/MF47CB1.expanded.cbl - IBM Developer for z/OS - C:\Users\002R9W744\zosexplorer

File Edit Navigate Search Project Data Run Window Help

Activity: Other Activity Quick Access

Visual Debug

MF47CB1 -> 0000-MAIN-PARA -> 3000-PROCESS-PARA -> 1000-SEND-MAP-PARA

1928633143.hce MF47CB1.expanded.cbl

```
***** A-1-B-----2-----3-----4-----5-----6-----7-----8
* WHEN 1
* WHEN 2
*   CALL WS-MF47CB2 USING MF47BMSI
*   MF47BMSO
*   WS-ERROR-FLAG
* IF ERROR-TRUE
*   CONTINUE
* ELSE
*   CALL WS-MF47CB3 USING MF47BMSI
*   MF47BMSO
* END-IF
* PERFORM 1000-SEND-MAP-PARA
* WHEN OTHER
*   MOVE 'INCORRECT OPTION SELECTED' TO MSG0
*   PERFORM 1000-SEND-MAP-PARA
* END-EVALUATE.
```

Outline Variables Breakpoints

PROGRAM: MF47CB1
 IDENTIFICATION DIVISION.
 ENVIRONMENT DIVISION.
 DATA DIVISION.
 PROCEDURE DIVISION.
 0000-MAIN-PARA.
 1000-SEND-MAP-PARA.
 2000-RECEIVE-MAP-PARA.
 3000-PROCESS-PARA.
 8000-EXIT-PARA.

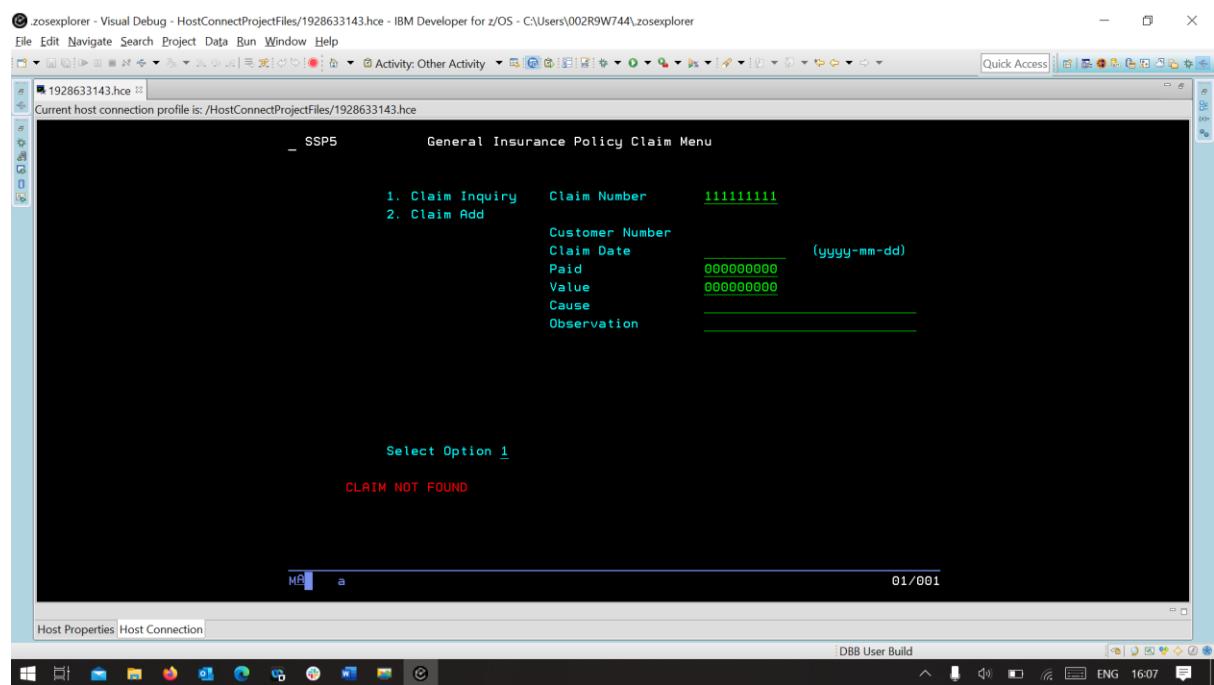
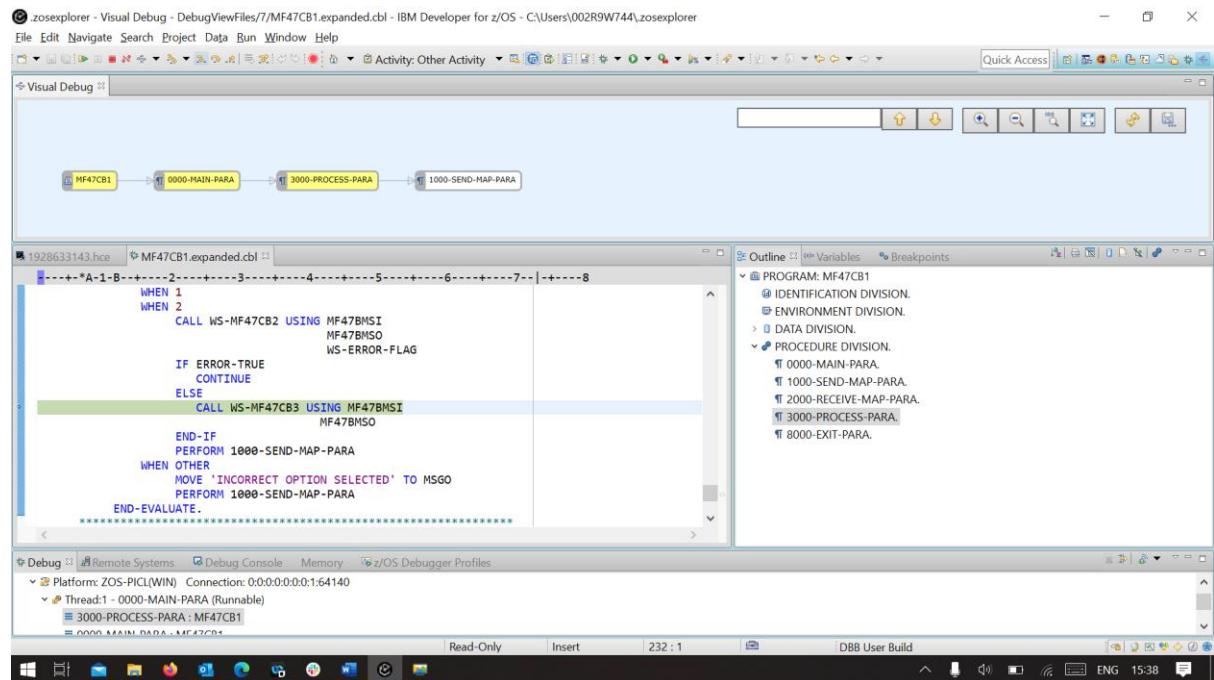
Debug Remote Systems Debug Console Memory z/OS Debugger Profiles

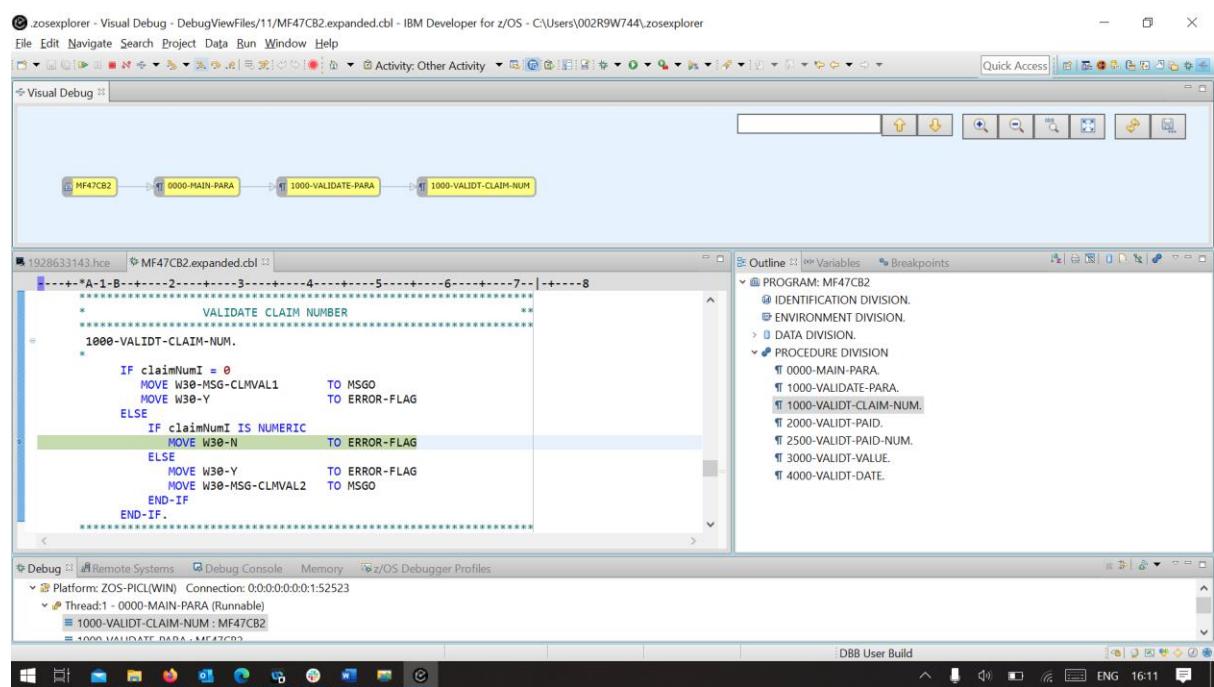
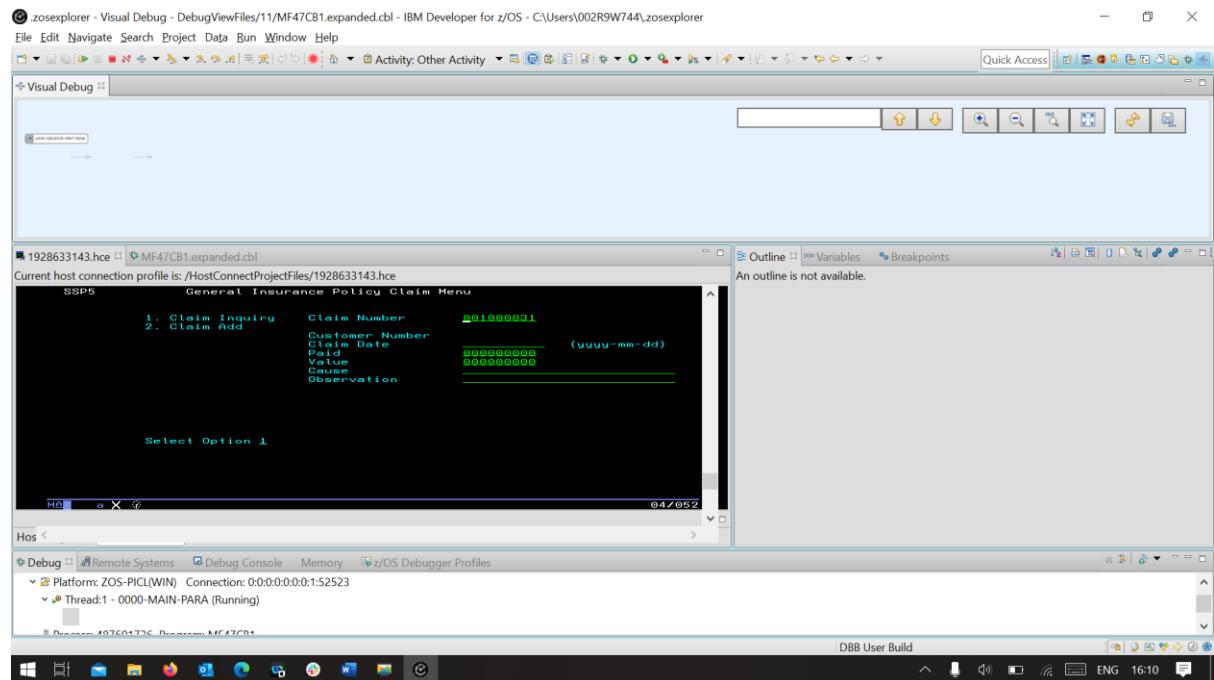
Platform: ZOS-PICL(WIN) Connection: 0:0:0:0:0:1:64894

Thread:1 - 0000-MAIN-PARA (Runnable)
 3000-PROCESS-PARA : MF47CB1
 0000-MAIN-PARA : MF47CB1

Read-Only Insert 229:1 DBB User Build

ENG 15:34





.zosexplorer - Visual Debug - DebugViewFiles/11/MF47CB2.expanded.cbl - IBM Developer for z/OS - C:\Users\002R9W744\.zosexplorer

File Edit Navigate Search Project Data Run Window Help

Activity: Other Activity Quick Access

Visual Debug Step Into (F5)

MF47CB2 0000-MAIN-PARA 1000-VALIDATE-PARA

1928633143.hce MF47CB2.expanded.cbl

```

-----+-----+-----+-----+-----+-----+-----+-----+
-----A-1-B-----2-----3-----4-----5-----6-----7-----8
*----- MAIN - PARA -----*
0000-MAIN-PARA.
  PERFORM 1000-VALIDATE-PARA.
  GOBACK.
*----- VALIDATION OF DATA -----*
1000-VALIDATE-PARA.
*----- INITIALIZE ERROR-FLAG.
  EVALUATE OPTIONI
    WHEN W3B=1
      PERFORM 1000-VALIDT-CLAIM-NUM
    WHEN W3B=2
      PERFORM 1000-VALIDT-CLAIM-NUM
-----
```

Outline Variables Breakpoints

- PROGRAM: MF47CB2
 - IDENTIFICATION DIVISION.
 - ENVIRONMENT DIVISION.
 - DATA DIVISION.
 - PROCEDURE DIVISION.
 - 0000-MAIN-PARA.
 - 1000-VALIDATE-PARA.
 - 1000-VALIDT-CLAIM-NUM.
 - 2000-VALIDT-PAID.
 - 2500-VALIDT-PAID-NUM.
 - 3000-VALIDT-VALUE.
 - 4000-VALIDT-DATE.

Debug Remote Systems Debug Console Memory z/OS Debugger Profiles

- Platform: ZOS-PICL(WIN) Connection: 0:0:0:0:0:1:52523
 - Thread:1 - 0000-MAIN-PARA (Runnable)
 - 0000-MAIN-PARA : MF47CB2
 - 2000-PROCESS-PARA : MF47CB2

DBB User Build

.zosexplorer - Visual Debug - DebugViewFiles/11/MF47CB1.expanded.cbl - IBM Developer for z/OS - C:\Users\002R9W744\.zosexplorer

File Edit Navigate Search Project Data Run Window Help

Activity: Other Activity Quick Access

Visual Debug Step Into (F5)

MF47CB1 0000-MAIN-PARA 3000-PROCESS-PARA 1000-SEND-MAP-PARA

1928633143.hce MF47CB1.expanded.cbl

```

-----+-----+-----+-----+-----+-----+-----+-----+
-----A-1-B-----2-----3-----4-----5-----6-----7-----8
WHEN 1
WHEN 2
  CALL WS-MF47CB2 USING MF47BMSI
  MF47BMSO
  WS-ERROR-FLAG
  IF ERROR-TRUE
    CONTINUE
  ELSE
    CALL WS-MF47CB3 USING MF47BMSI
    MF47BMSO
  END-IF
  PERFORM 1000-SEND-MAP-PARA
WHEN OTHER
  MOVE 'INCORRECT OPTION SELECTED' TO MSG0
  PERFORM 1000-SEND-MAP-PARA
END-EVALUATE.
-----
```

Outline Variables Breakpoints

- PROGRAM: MF47CB1
 - IDENTIFICATION DIVISION.
 - ENVIRONMENT DIVISION.
 - DATA DIVISION.
 - PROCEDURE DIVISION.
 - 0000-MAIN-PARA.
 - 1000-SEND-MAP-PARA.
 - 2000-RECEIVE-MAP-PARA.
 - 3000-PROCESS-PARA.
 - 8000-EXIT-PARA.

Debug Remote Systems Debug Console Memory z/OS Debugger Profiles

- Platform: ZOS-PICL(WIN) Connection: 0:0:0:0:0:1:52523
 - Thread:1 - 0000-MAIN-PARA (Runnable)
 - 3000-PROCESS-PARA : MF47CB1
 - 0000-MAIN-PARA : MF47CB1

DBB User Build

.zosexplorer - Visual Debug - DebugViewFiles/28/MF47CB1.expanded.cbl - IBM Developer for z/OS - C:\Users\002R9W744\.zosexplorer

File Edit Navigate Search Project Data Run Window Help

Activity: Other Activity Quick Access

Visual Debug Step Into (F5)

MF47CB1 0000-MAIN-PARA 3000-PROCESS-PARA 1000-SEND-MAP-PARA

CICSTS54 (Main) 1928633143.hce MF47CB1_2022... MF47CB1_2022... MF47CB1.expanded.cbl

```

-----*A-1-B-----2-----3-----4-----5-----6-----7-----8
WHEN 2
  CALL WS-MF47CB2 USING MF47BMSI
  MF47BMSO
  WS-ERROR-FLAG
  IF ERROR-TRUE
    CONTINUE
  ELSE
    CALL WS-MF47CB3 USING MF47BMSI
    MF47BMSO
  END-IF
  PERFORM 1000-SEND-MAP-PARA
  WHEN OTHER
    MOVE 'INCORRECT OPTION SELECTED' TO MSG0
    PERFORM 1000-SEND-MAP-PARA
  FIND-FVAIIATF.

```

Outline Variables Breakpoints

- PROGRAM: MF47CB1
 - IDENTIFICATION DIVISION.
 - ENVIRONMENT DIVISION.
 - DATA DIVISION.
 - PROCEDURE DIVISION.
 - 0000-MAIN-PARA.
 - 1000-SEND-MAP-PARA.
 - 2000-RECEIVE-MAP-PARA.
 - 3000-PROCESS-PARA.
 - 8000-EXIT-PARA.

Debug Remote Systems Debug Console Memory z/OS Debugger Profiles Code Coverage Results

Platform: ZOS-PICL(WIN) Connection: 0:0:0:0:0:1:54807

Thread1 - 0000-MAIN-PARA (Runnable)
 3000-PROCESS-PARA : MF47CB1
 0000-MAIN-PARA : MF47CB1

Read-Only Insert 235:1

Windows Taskbar

.zosexplorer - Visual Debug - DebugViewFiles/28/MF47CB1.expanded.cbl - IBM Developer for z/OS - C:\Users\002R9W744\.zosexplorer

File Edit Navigate Search Project Data Run Window Help

Activity: Other Activity Quick Access

Visual Debug Step Into (F5)

MF47CB1 0000-MAIN-PARA 8000-EXIT-PARA

CICSTS54 (Main) 1928633143.hce MF47CB1_2022... MF47CB1_2022... MF47CB1.expanded.cbl

```

-----*A-1-B-----2-----3-----4-----5-----6-----7-----8
MOVE 'INCORRECT OPTION SELECTED' TO MSG0
  PERFORM 1000-SEND-MAP-PARA
END-EVALUATE.
*****
***** EXIT PARA *****
***** 8000-EXIT-PARA.
EXEC CICS RETURN
  TRANSID ('MF47')
END-EXEC.
*****XXXXXXXXXXXXEOXXXXXX*****
```

Outline Variables Breakpoints

- PROGRAM: MF47CB1
 - IDENTIFICATION DIVISION.
 - ENVIRONMENT DIVISION.
 - DATA DIVISION.
 - PROCEDURE DIVISION.
 - 0000-MAIN-PARA.
 - 1000-SEND-MAP-PARA.
 - 2000-RECEIVE-MAP-PARA.
 - 3000-PROCESS-PARA.
 - 8000-EXIT-PARA.

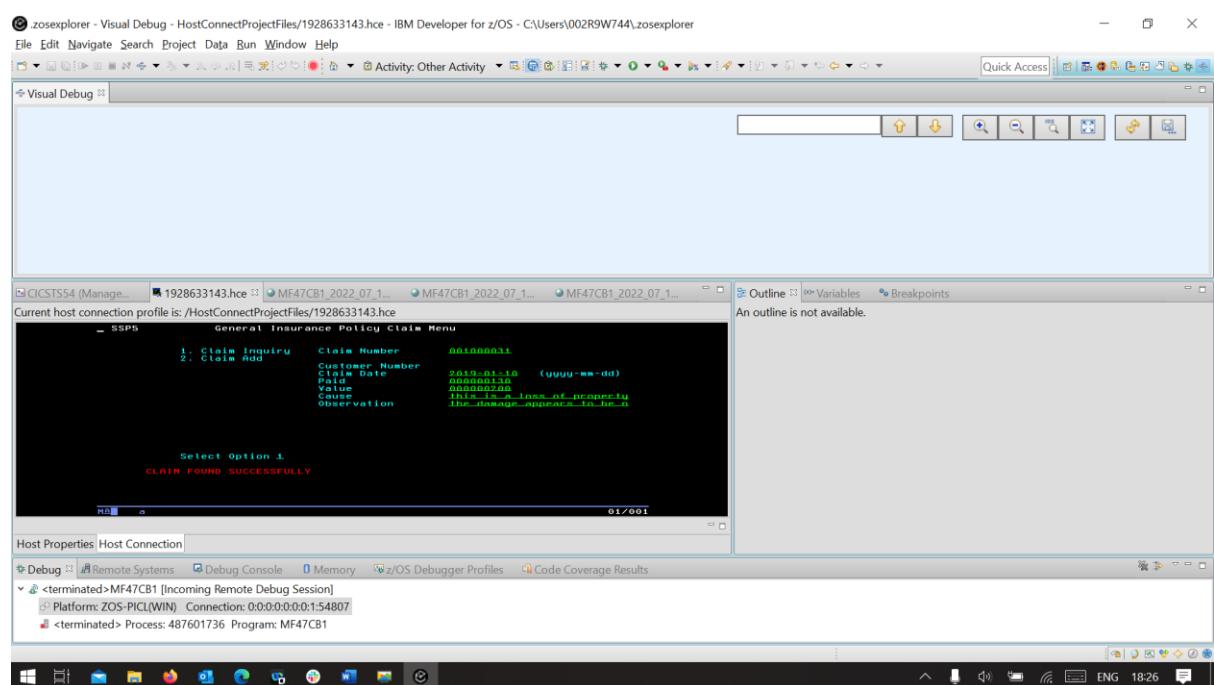
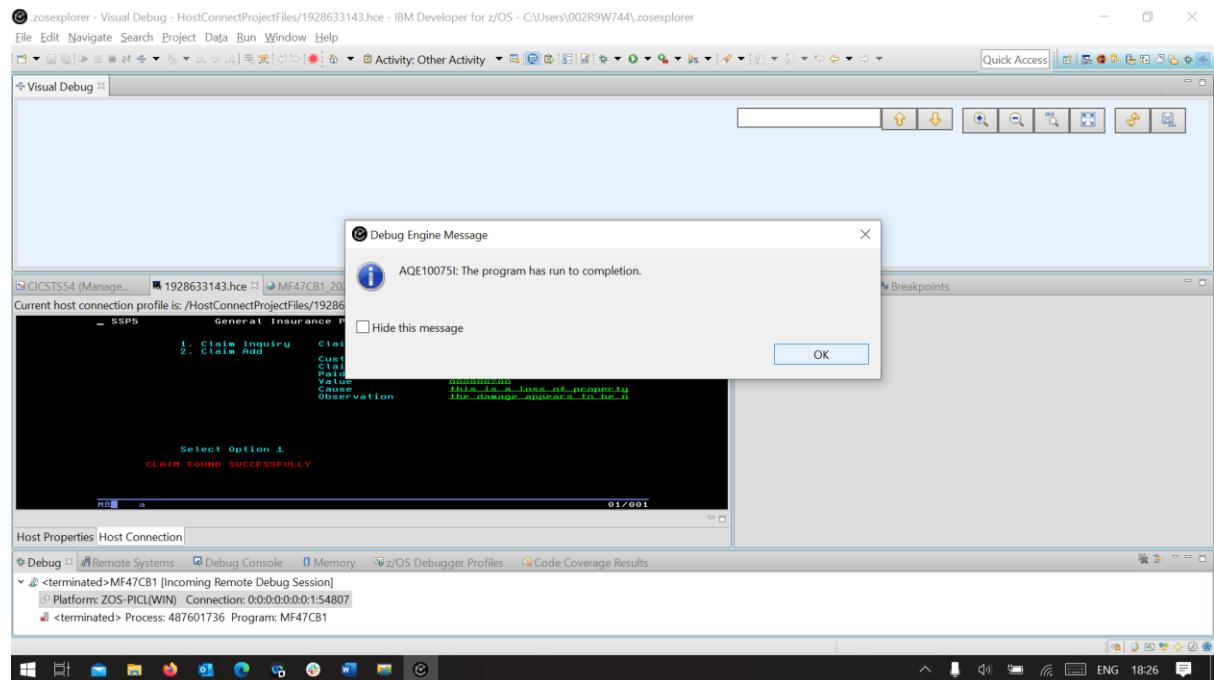
Debug Remote Systems Debug Console Memory z/OS Debugger Profiles Code Coverage Results

Platform: ZOS-PICL(WIN) Connection: 0:0:0:0:0:1:54807

Thread1 - 0000-MAIN-PARA (Runnable)
 8000-EXIT-PARA : MF47CB1
 0000-MAIN-PARA : MF47CB1

Read-Only Insert 235:1

Windows Taskbar



CLAIM ADDED SUCCSSFULLY

.zosexplorer - Visual Debug - DebugViewFiles/29/MF47CB1.expanded.cbl - IBM Developer for z/OS - C:\Users\002R9W744\.zosexplorer

File Edit Navigate Search Project Data Run Window Help

Activity: Other Activity Quick Access

Visual Debug

MF47CB1 0000-MAIN-PARA Paragraph 0000-MAIN-PARA at line 187 of MF47CB1.expanded.cbl

CICSTS54 (Ma... MF47CB1_2022... MF47CB1_2022... MF47CB1_2022... MF47CB1.exp... 1928633143.hce

```

-----*A-1-B-----2-----3-----4-----5-----6-----7-----8
IDENTIFICATION DIVISION.
PROGRAM-ID. MF47CB1.
AUTHOR. SONALI.
DATE-WRITTEN. 07/06/2022.
* REMARK - THIS PROGRAM IS WRITTEN TO INTERACT WITH *
* FRONT-END AND CALLS BELOW PROGRAMS: *
* MF47CB2 - Business logic VALIDATION *
* MF47CB3 - Data interaction *
*****ENVIRONMENT DIVISION.
DATA DIVISION.
WORKING-STORAGE SECTION.
01 WS-ERROR-FLAG PIC X(01) VALUE SPACES.
     RR FRROR-TRIF

```

Outline Variables Breakpoints

- PROGRAM: MF47CB1
 - IDENTIFICATION DIVISION.
 - ENVIRONMENT DIVISION.
 - DATA DIVISION.
 - PROCEDURE DIVISION.

Debug Remote Systems Debug Console Memory z/OS Debugger Profiles Code Coverage Results

Platform: ZOS-PICL(WIN) Connection: 0:0:0:0:0:1:50799

Thread1 - MF47CB1 (Runnable)

MF47CB1: MF47CB1

Read-Only Insert 2:1

Windows Taskbar: ENG 18:29

.zosexplorer - Visual Debug - DebugViewFiles/29/MF47CB1.expanded.cbl - IBM Developer for z/OS - C:\Users\002R9W744\.zosexplorer

File Edit Navigate Search Project Data Run Window Help

Activity: Other Activity Quick Access

Visual Debug

MF47CB1 0000-MAIN-PARA 3000-PROCESS-PARA 1000-SEND-MAP-PARA

CICSTS54 (Ma... MF47CB1_2022... MF47CB1_2022... MF47CB1_2022... MF47CB1.exp... 1928633143.hce

```

-----*A-1-B-----2-----3-----4-----5-----6-----7-----8
* SEND MAP TO CICS SCREEN **
1000-SEND-MAP-PARA.
  EXEC CICS SEND
    MAP ('MF47BMS')
    MAPSET('MF47BMS')
    FROM(MF47BMS0)
    ERASE
  END-EXEC.
  IF WS-INIT = 'Y'
  MOVE 'N' TO WS-INIT
  EXEC CICS RETURN
  TRANSID ('MF47')
  FIND-FXFC

```

Outline Variables Breakpoints

- PROGRAM: MF47CB1
 - IDENTIFICATION DIVISION.
 - ENVIRONMENT DIVISION.
 - DATA DIVISION.
 - PROCEDURE DIVISION.
 - 0000-MAIN-PARA.
 - 1000-SEND-MAP-PARA.
 - 2000-RECEIVE-MAP-PARA.
 - 3000-PROCESS-PARA.
 - 8000-EXIT-PARA.

Debug Remote Systems Debug Console Memory z/OS Debugger Profiles Code Coverage Results

Platform: ZOS-PICL(WIN) Connection: 0:0:0:0:0:1:50799

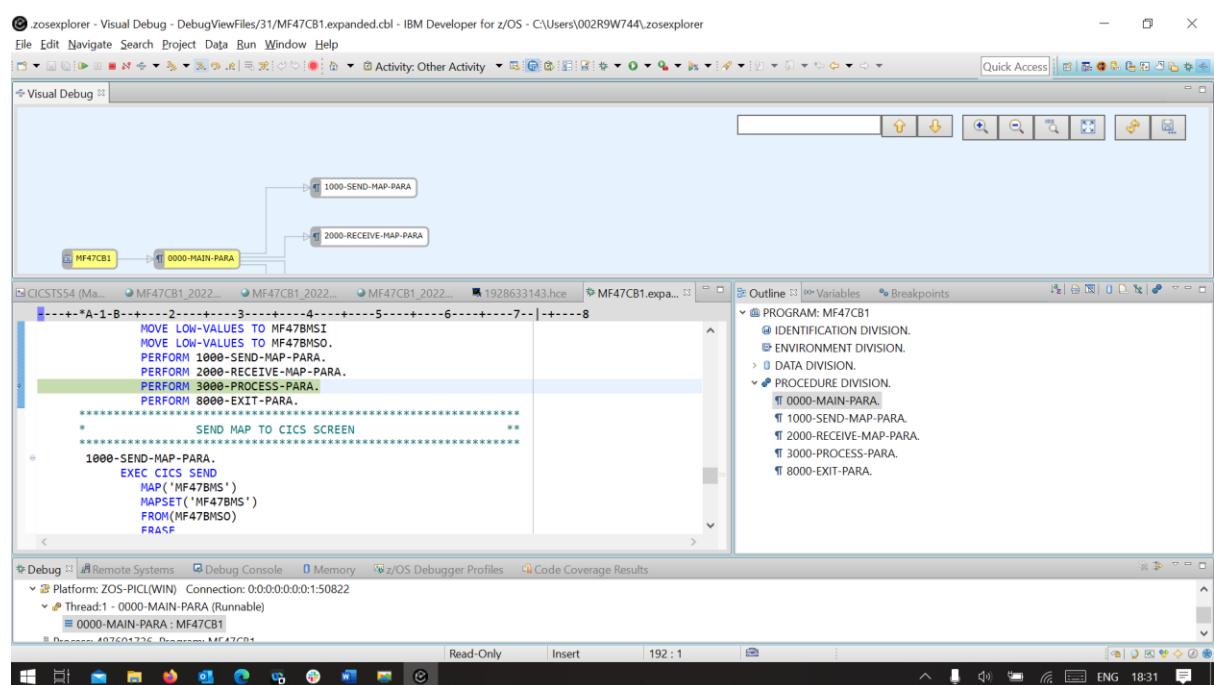
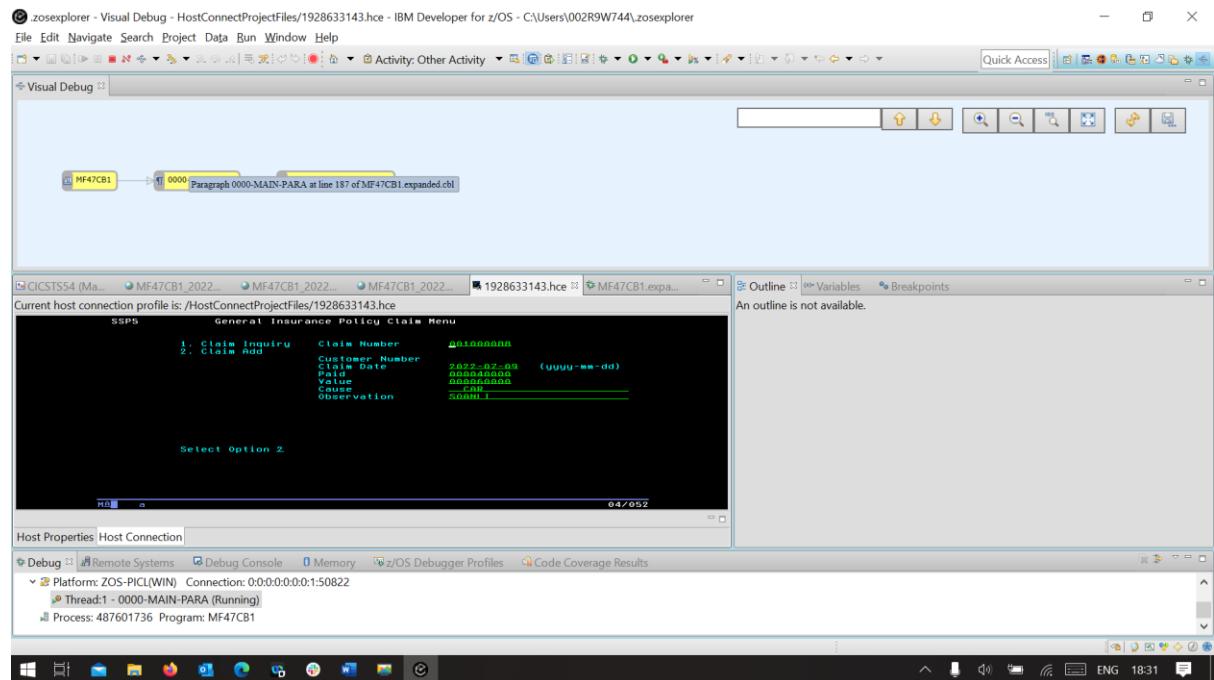
Thread1 - 0000-MAIN-PARA (Runnable)

1000-SEND-MAP-PARA: MF47CB1

0000-MAIN-PARA: MF47CB1

Read-Only Insert 198:1

Windows Taskbar: ENG 18:29



.zosexplorer - Visual Debug - DebugViewFiles/31/MF47CB1.expanded.cbl - IBM Developer for z/OS - C:\Users\002R9W744\.zosexplorer

File Edit Navigate Search Project Data Run Window Help

Activity: Other Activity Quick Access

Visual Debug

```

MF47CB1 --> 0000-MAIN-PARA --> 3000-PROCESS-PARA --> 1000-SEND-MAP-PARA

```

CICSTS54 (Main) MF47CB1_2022... MF47CB1_2022... MF47CB1_2022... 1928633143.hce MF47CB1.expanded.cbl

Outline Variables Breakpoints

- PROGRAM: MF47CB1
 - IDENTIFICATION DIVISION.
 - ENVIRONMENT DIVISION.
 - DATA DIVISION.
 - PROCEDURE DIVISION.
 - 0000-MAIN-PARA.
 - 1000-SEND-MAP-PARA.
 - 2000-RECEIVE-MAP-PARA.
 - 3000-PROCESS-PARA.
 - 8000-EXIT-PARA.

Debug Remote Systems Debug Console Memory z/OS Debugger Profiles Code Coverage Results

Platform: ZOS-PICL(WIN) Connection: 0:0:0:0:0:1:50822

Thread:1 - 0000-MAIN-PARA (Runnable)

3000-PROCESS-PARA : MF47CB1

0000-MAIN-PARA : MF47CB1

Read-Only Insert 226:1

Windows Taskbar: ENG 18:31

.zosexplorer - Visual Debug - DebugViewFiles/31/MF47CB2.expanded.cbl - IBM Developer for z/OS - C:\Users\002R9W744\.zosexplorer

File Edit Navigate Search Project Data Run Window Help

Activity: Other Activity Quick Access

Visual Debug

```

MF47CB2 --> 0000-MAIN-PARA --> 1000-VALIDATE-PARA

```

CICSTS54 (Main) MF47CB1_2022... MF47CB1_2022... MF47CB1_2022... 1928633143.hce MF47CB2.expanded.cbl

Outline Variables Breakpoints

- PROGRAM: MF47CB2
 - IDENTIFICATION DIVISION.
 - ENVIRONMENT DIVISION.
 - DATA DIVISION.
 - PROCEDURE DIVISION.
 - 0000-MAIN-PARA.
 - PERFORM 1000-VALIDATE-PARA.
 - GOBACK.
 - 1000-VALIDATE-PARA.
 - INITIALIZE ERROR-FLAG.
 - EVALUATE OPTIONI
 - WHEN W3B=1
 - PERFORM 1000-VALIDATE-CLAIM-NUM.
 - PERFORM 2000-VALID-PAID.
 - PERFORM 2500-VALID-PAID-NUM.
 - PERFORM 3000-VALID-VALUE.
 - PERFORM 4000-VALID-DATE.

Debug Remote Systems Debug Console Memory z/OS Debugger Profiles Code Coverage Results

Platform: ZOS-PICL(WIN) Connection: 0:0:0:0:0:1:50822

Thread:1 - 0000-MAIN-PARA (Runnable)

0000-MAIN-PARA : MF47CB2

2000-PROCESS-PARA : MF47CB1

Read-Only Insert 203:1

Windows Taskbar: ENG 18:31

.zosexplorer - Visual Debug - DebugViewFiles/31/MF47CB2.expanded.cbl - IBM Developer for z/OS - C:\Users\002R9W744\.zosexplorer

File Edit Navigate Search Project Data Run Window Help

Activity: Other Activity Quick Access

Visual Debug

MF47CB2

0000-MAIN-PARA

4000-VALIDT-DATE

1000-VALIDT-CLAIM-NUM

INITIALIZE ERROR-FLAG.
EVALUATE OPTIONI
WHEN W3B=1
 PERFORM 1000-VALIDT-CLAIM-NUM
WHEN W3B=2
 PERFORM 1000-VALIDT-CLAIM-NUM
 IF ERROR-FLAG = W3B=N
 PERFORM 2000-VALIDT-PAID
 ENDIF
 IF ERROR-FLAG = W3B=N
 PERFORM 2500-VALIDT-PAID-NUM
 ENDIF
 IF ERROR-FLAG = W3B=N
 PERFORM 3000-VALIDT-VALUE
 ENDIF-TF

Outline

- PROGRAM: MF47CB2
 - IDENTIFICATION DIVISION.
 - ENVIRONMENT DIVISION.
 - DATA DIVISION.
 - PROCEDURE DIVISION
 - 0000-MAIN-PARA.
 - 1000-VALIDATE-PARA.
 - 1000-VALIDT-CLAIM-NUM.
 - 2000-VALIDT-PAID.
 - 2500-VALIDT-PAID-NUM.
 - 3000-VALIDT-VALUE.
 - 4000-VALIDT-DATE.

Debug

Platform: ZOS-PICL(WIN) Connection: 0:0:0:0:0:1:50822

Thread:1 - 0000-MAIN-PARA (Runnable)

1000-VALIDATE-PARA : MF47CB2

0000-MAIN-PARA : MF47CB2

Read-Only Insert 215:1

Windows Taskbar: ENG 18:32

.zosexplorer - Visual Debug - DebugViewFiles/31/MF47CB2.expanded.cbl - IBM Developer for z/OS - C:\Users\002R9W744\.zosexplorer

File Edit Navigate Search Project Data Run Window Help

Activity: Other Activity Quick Access

Visual Debug

MF47CB2

0000-MAIN-PARA

1000-VALIDT-CLAIM-NUM

1000-VALIDT-CLAIM-NUM.

* IF claimNumI = 0
MOVE W3B-MSG-CLMVAL1 TO MSGO
MOVE W3B-Y TO ERROR-FLAG
ELSE
 IF claimNumI IS NUMERIC
 MOVE W3B-N TO ERROR-FLAG
 ELSE
 MOVE W3B-Y TO ERROR-FLAG
 MOVE W3B-MSG-CLMVAL2 TO MSGO
 ENDIF
ENDIF-TF

Outline

- PROGRAM: MF47CB2
 - IDENTIFICATION DIVISION.
 - ENVIRONMENT DIVISION.
 - DATA DIVISION.
 - PROCEDURE DIVISION
 - 0000-MAIN-PARA.
 - 1000-VALIDATE-PARA.
 - 1000-VALIDT-CLAIM-NUM.
 - 2000-VALIDT-PAID.
 - 2500-VALIDT-PAID-NUM.
 - 3000-VALIDT-VALUE.
 - 4000-VALIDT-DATE.

Debug

Platform: ZOS-PICL(WIN) Connection: 0:0:0:0:0:1:50822

Thread:1 - 0000-MAIN-PARA (Runnable)

1000-VALIDT-CLAIM-NUM : MF47CB2

1000-VALIDATE-PARA : MF47CB2

Read-Only Insert 238:1

Windows Taskbar: ENG 18:32

.zosexplorer - Visual Debug - DebugViewFiles/31/MF47CB2.expanded.cbl - IBM Developer for z/OS - C:\Users\002R9W744\.zosexplorer

File Edit Navigate Search Project Data Run Window Help

Activity: Other Activity Quick Access

Visual Debug

```

-----A-1-B-----2-----3-----4-----5-----6-----7-----8
WHEN W30-1
  PERFORM 1000-VALIDT-CLAIM-NUM
WHEN W30-2
  PERFORM 1000-VALIDT-CLAIM-NUM
  IF ERROR-FLAG = W30-N
    PERFORM 2000-VALIDT-PAID
  END-IF
  IF ERROR-FLAG = W30-N
    PERFORM 2500-VALIDT-PAID-NUM
  END-IF
  IF ERROR-FLAG = W30-N
    PERFORM 3000-VALIDT-VALUE
  END-IF
  IF ERROR-FLAG = W30-N
    PERFORM 4000-VALIDT-DATE
  END-IF

```

Outline Variables Breakpoints

- PROGRAM: MF47CB2
 - IDENTIFICATION DIVISION.
 - ENVIRONMENT DIVISION.
 - DATA DIVISION.
 - PROCEDURE DIVISION
 - 0000-MAIN-PARA.
 - 1000-VALIDT-PAID.
 - 1000-VALIDT-CLAIM-NUM.
 - 2000-VALIDT-PAID.
 - 2500-VALIDT-PAID-NUM.
 - 3000-VALIDT-VALUE.
 - 4000-VALIDT-DATE.

Debug Remote Systems Debug Console Memory z/OS Debugger Profiles Code Coverage Results

Platform: ZOS-PICL(WIN) Connection: 0:0:0:0:0:1:50822

Thread:1 - 0000-MAIN-PARA (Runnable)

1000-VALIDT-PAID : MF47CB2

0000-MAIN-PARA : MF47CB2

Read-Only Insert 217:1

Windows Taskbar: ENG 18:32

.zosexplorer - Visual Debug - DebugViewFiles/31/MF47CB2.expanded.cbl - IBM Developer for z/OS - C:\Users\002R9W744\.zosexplorer

File Edit Navigate Search Project Data Run Window Help

Activity: Other Activity Quick Access

Visual Debug

```

-----A-1-B-----2-----3-----4-----5-----6-----7-----8
*   VALIDATE IF PAID IS LESS THAN OR EQUAL TO TOTAL VALUE **
*****2000-VALIDT-PAID*****
*
  IF paidI < tvalueI
    MOVE W30-N           TO ERROR-FLAG
  ELSE
    DISPLAY 'PAID AMOUNT : ' paidI
    DISPLAY 'VALUE AMOUNT: ' tvalueI
    MOVE W30-MSG-paidAL1 TO MSG0
    MOVE W30-Y           TO ERROR-FLAG
  END-IF.
*****VALIDATE IF PAID IS NUMERIC**

```

Outline Variables Breakpoints

- PROGRAM: MF47CB2
 - IDENTIFICATION DIVISION.
 - ENVIRONMENT DIVISION.
 - DATA DIVISION.
 - PROCEDURE DIVISION
 - 0000-MAIN-PARA.
 - 1000-VALIDT-PAID.
 - 1000-VALIDT-CLAIM-NUM.
 - 2000-VALIDT-PAID.
 - 2500-VALIDT-PAID-NUM.
 - 3000-VALIDT-VALUE.
 - 4000-VALIDT-DATE.

Debug Remote Systems Debug Console Memory z/OS Debugger Profiles Code Coverage Results

Platform: ZOS-PICL(WIN) Connection: 0:0:0:0:0:1:50822

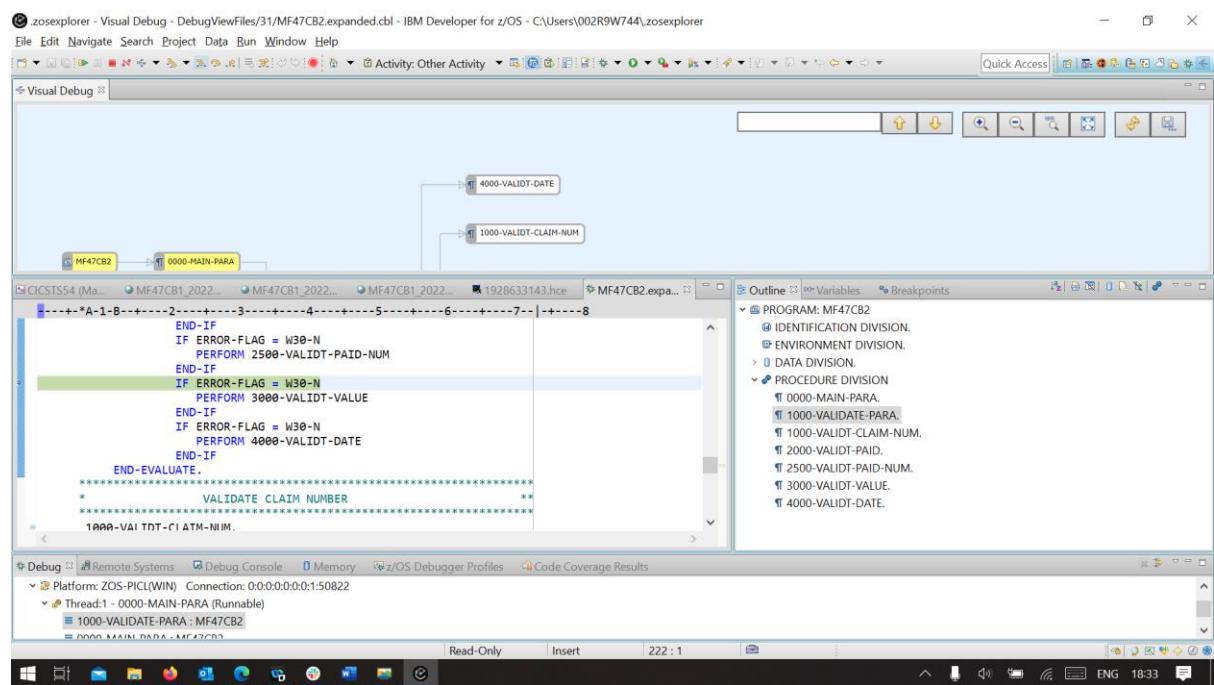
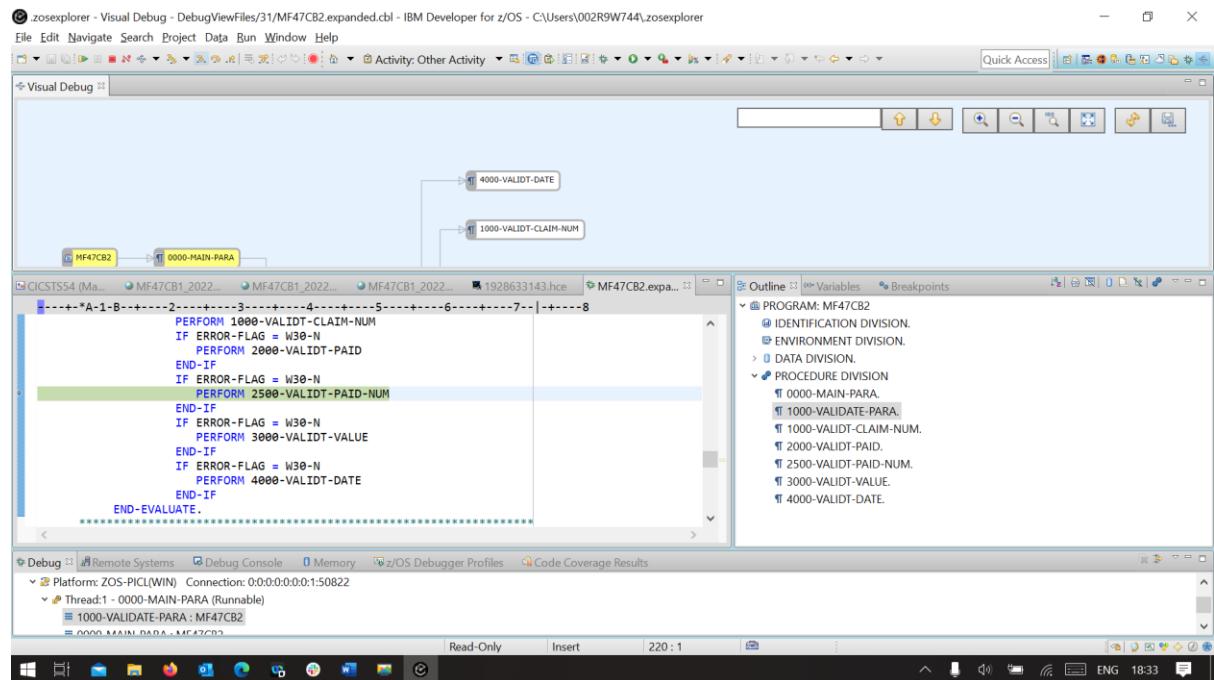
Thread:1 - 0000-MAIN-PARA (Runnable)

2000-VALIDT-PAID : MF47CB2

1000-VALIDT-PAID : MF47CB2

Read-Only Insert 251:1

Windows Taskbar: ENG 18:32



.zosexplorer - Visual Debug - DebugViewFiles/31/MF47CB2.expanded.cbl - IBM Developer for z/OS - C:\Users\002R9W744\.zosexplorer

File Edit Navigate Search Project Data Run Window Help

Activity: Other Activity Quick Access

Visual Debug

MF47CB2 0000-MAIN-PARA 1000-VALIDT-PARA 2000-VALIDT-VALUE

CICSTS54 (Main) MF47CB1_2022... MF47CB1_2022... MF47CB1_2022... 1928633143.hce MF47CB2.expanded.cbl

*--A-1-B---+-----2-----+-----3-----+-----4-----+-----5-----+-----6-----+-----7-----+-----8
----- VALIDATE IF VALUE IS NUMERIC -----
----- 3000-VALIDT-VALUE. -----
*----- IF tvalueI IS NUMERIC
*----- MOVE W30-N TO ERROR-FLAG
*----- ELSE
*----- DISPLAY 'VALUE : ' tvalueI
*----- MOVE W30-MSG-NOTNUM TO MSGO
*----- MOVE W30-Y TO ERROR-FLAG
*----- END-IF.
*----- CHECK DATES ARE IN PAST
*----- 4000-VALIDT-DATE.
*----- 1000-VALIDT-CLAIM-NUM.

Outline Variables Breakpoints

PROGRAM: MF47CB2
IDENTIFICATION DIVISION.
ENVIRONMENT DIVISION.
DATA DIVISION.
PROCEDURE DIVISION
0000-MAIN-PARA.
1000-VALIDT-PARA.
1000-VALIDT-CLAIM-NUM.
2000-VALIDT-PAID.
2500-VALIDT-PAID-NUM.
3000-VALIDT-VALUE.
4000-VALIDT-DATE.

Debug Remote Systems Debug Console Memory z/OS Debugger Profiles Code Coverage Results

Platform: ZOS-PICL(WIN) Connection: 0:0:0:0:0:1:50822
Thread1 - 0000-MAIN-PARA (Runnable)
3000-VALIDT-VALUE : MF47CB2
1000-VALIDT-PARA : MF47CB2

Read-Only Insert 279:1

Windows Taskbar ENG 18:33

.zosexplorer - Visual Debug - DebugViewFiles/31/MF47CB2.expanded.cbl - IBM Developer for z/OS - C:\Users\002R9W744\.zosexplorer

File Edit Navigate Search Project Data Run Window Help

Activity: Other Activity Quick Access

Visual Debug

MF47CB2 0000-MAIN-PARA 1000-VALIDT-CLAIM-NUM 4000-VALIDT-DATE

CICSTS54 (Main) MF47CB1_2022... MF47CB1_2022... MF47CB1_2022... 1928633143.hce MF47CB2.expanded.cbl

*--A-1-B---+-----2-----+-----3-----+-----4-----+-----5-----+-----6-----+-----7-----+-----8
*----- END-IF.
*----- IF ERROR-FLAG = W30-N
*----- PERFORM 3000-VALIDT-VALUE
*----- END-IF.
*----- IF ERROR-FLAG = W30-N
*----- PERFORM 4000-VALIDT-DATE
*----- END-IF.
*----- END-EVALUATE.
*----- VALIDATE CLAIM NUMBER
*----- 1000-VALIDT-CLAIM-NUM.
*----- IF claimNumI = 0
*----- MOVE W30-MSG-C1 MVAL 1 TO MSGO

Outline Variables Breakpoints

PROGRAM: MF47CB2
IDENTIFICATION DIVISION.
ENVIRONMENT DIVISION.
DATA DIVISION.
PROCEDURE DIVISION
0000-MAIN-PARA.
1000-VALIDT-PARA.
1000-VALIDT-CLAIM-NUM.
2000-VALIDT-PAID.
2500-VALIDT-PAID-NUM.
3000-VALIDT-VALUE.
4000-VALIDT-DATE.

Debug Remote Systems Debug Console Memory z/OS Debugger Profiles Code Coverage Results

Platform: ZOS-PICL(WIN) Connection: 0:0:0:0:0:1:50822
Thread1 - 0000-MAIN-PARA (Running)
Process: 487601736 Program: MF47CB2

Read-Only Insert 226:1

Windows Taskbar ENG 18:33

.zosexplorer - Visual Debug - DebugViewFiles/31/MF47CB2.expanded.cbl - IBM Developer for z/OS - C:\Users\002R9W744\.zosexplorer

File Edit Navigate Search Project Data Run Window Help

Activity: Other Activity Quick Access

Visual Debug

```

MF47CB2
  0000-MAIN-PARA
    1000-VALIDATE-PARA
      4000-VALIDT-DATE

```

```

-----*A-1-B-----2-----3-----4-----5-----6-----7-----8
*****CHECK DATES ARE IN PAST*****
4000-VALIDT-DATE.
  MOVE dateI(1:4)      TO WS-YYYY
  MOVE dateI(6:2)      TO WS-MM
  MOVE dateI(9:2)      TO WS-DD
  MOVE FUNCTION CURRENT-DATE TO WS-CURR-DT
  IF WS-CLAIM-DT > WS-CURR-DT(1:8)
    MOVE W30-Y          TO ERROR-FLAG
    MOVE W30-MSG-DATE   TO MSG0
  ELSE
    MOVE W30-N          TO ERROR-FLAG
  END-IF.
-----*A-1-B-----2-----3-----4-----5-----6-----7-----8

```

Outline

- PROGRAM: MF47CB2
 - IDENTIFICATION DIVISION.
 - ENVIRONMENT DIVISION.
 - DATA DIVISION.
 - PROCEDURE DIVISION.
 - 0000-MAIN-PARA.
 - 1000-VALIDATE-PARA.
 - 1000-VALIDT-CLAIM-NUM.
 - 2000-VALIDT-PAID.
 - 2500-VALIDT-PAID-NUM.
 - 3000-VALIDT-VALUE.
 - 4000-VALIDT-DATE.

Debug

- Platform: ZOS-PICL(WIN) Connection: 0:0:0:0:0:1:50822
 - Thread1 - 0000-MAIN-PARA (Runnable)
 - 4000-VALIDT-DATE : MF47CB2
 - 1000-VALIDATE-PARA : MF47CB2

Read-Only Insert 299 : 1

.zosexplorer - Visual Debug - DebugViewFiles/31/MF47CB1.expanded.cbl - IBM Developer for z/OS - C:\Users\002R9W744\.zosexplorer

File Edit Navigate Search Project Data Run Window Help

Activity: Other Activity Quick Access

Visual Debug

```

MF47CB1
  0000-MAIN-PARA
    3000-PROCESS-PARA
      1000-SEND-MAP-PARA

```

```

-----*A-1-B-----2-----3-----4-----5-----6-----7-----8
WHEN 2
  CALL WS-MF47CB2 USING MF47BMSI
  MF47BMSO
  WS-ERROR-FLAG
IF ERROR-TRUE
  CONTINUE
ELSE
  CALL WS-MF47CB3 USING MF47BMSI
  MF47BMSO
END-IF
PERFORM 1000-SEND-MAP-PARA
WHEN OTHER
  MOVE 'INCORRECT OPTION SELECTED' TO MSG0
  PERFORM 1000-SEND-MAP-PARA
  FND-FVAL1 IATF.
-----*A-1-B-----2-----3-----4-----5-----6-----7-----8

```

Outline

- PROGRAM: MF47CB1
 - IDENTIFICATION DIVISION.
 - ENVIRONMENT DIVISION.
 - DATA DIVISION.
 - PROCEDURE DIVISION.
 - 0000-MAIN-PARA.
 - 1000-SEND-MAP-PARA.
 - 2000-RECEIVE-MAP-PARA.
 - 3000-PROCESS-PARA.
 - 8000-EXIT-PARA.

Debug

- Platform: ZOS-PICL(WIN) Connection: 0:0:0:0:0:1:50822
 - Thread1 - 0000-MAIN-PARA (Runnable)
 - 3000-PROCESS-PARA : MF47CB1
 - 0000-MAIN-PARA : MF47CB1

Read-Only Insert 235 : 1

.zosexplorer - Visual Debug - DebugViewFiles/31/MF47CB1.expanded.cbl - IBM Developer for z/OS - C:\Users\002R9W744\.zosexplorer

File Edit Navigate Search Project Data Run Window Help

Activity: Other Activity Quick Access

Visual Debug

```

MF47CB1 --> 0000-MAIN-PARA --> 3000-PROCESS-PARA --> 1000-SEND-MAP-PARA

```

```

-----*A-1-B-----2-----3-----4-----5-----6-----7-----8
*      SEND MAP TO CICS SCREEN
*****1000-SEND-MAP-PARA*****
1000-SEND-MAP-PARA.
  EXEC CICS SEND
    MAP('MF47BMS')
    MAPSET('MF47BMS')
    FROM(MF47BMSO)
    ERASE
  END-EXEC.
  * IF WS-INIT = 'Y'
  * MOVE 'N' TO WS-INIT
  * EXEC CICS RETURN
  * TRANSID ('MF47')
  FND-FXFC
-----*-----8

```

Outline Variables Breakpoints

- PROGRAM: MF47CB1
 - IDENTIFICATION DIVISION.
 - ENVIRONMENT DIVISION.
 - DATA DIVISION.
 - PROCEDURE DIVISION.
 - 0000-MAIN-PARA.
 - 1000-SEND-MAP-PARA.
 - 2000-RECEIVE-MAP-PARA.
 - 3000-PROCESS-PARA.
 - 8000-EXIT-PARA.

Debug Remote Systems Debug Console Memory z/OS Debugger Profiles Code Coverage Results

Platform: ZOS-PICL(WIN) Connection: 0:0:0:0:0:1:50822

Thread:1 - 0000-MAIN-PARA (Runnable)

1000-SEND-MAP-PARA : MF47CB1

Read-Only Insert 198 : 1

Windows taskbar: ENG 18:34

.zosexplorer - Visual Debug - DebugViewFiles/31/MF47CB1.expanded.cbl - IBM Developer for z/OS - C:\Users\002R9W744\.zosexplorer

File Edit Navigate Search Project Data Run Window Help

Activity: Other Activity Quick Access

Visual Debug

```

MF47CB1 --> 0000-MAIN-PARA --> 1000-SEND-MAP-PARA --> 2000-RECEIVE-MAP-PARA

```

```

-----*A-1-B-----2-----3-----4-----5-----6-----7-----8
MOVE LOW-VALUES TO MF47BMSO.
PERFORM 1000-SEND-MAP-PARA.
PERFORM 2000-RECEIVE-MAP-PARA.
PERFORM 3000-PROCESS-PARA.
PERFORM 8000-EXIT-PARA.
*****SEND MAP TO CICS SCREEN*****
1000-SEND-MAP-PARA.
  EXEC CICS SEND
    MAP('MF47BMS')
    MAPSET('MF47BMS')
    FROM(MF47BMSO)
    ERASE
  FND-FXFC
-----*-----8

```

Outline Variables Breakpoints

- PROGRAM: MF47CB1
 - IDENTIFICATION DIVISION.
 - ENVIRONMENT DIVISION.
 - DATA DIVISION.
 - PROCEDURE DIVISION.
 - 0000-MAIN-PARA.
 - 1000-SEND-MAP-PARA.
 - 2000-RECEIVE-MAP-PARA.
 - 3000-PROCESS-PARA.
 - 8000-EXIT-PARA.

Debug Remote Systems Debug Console Memory z/OS Debugger Profiles Code Coverage Results

Platform: ZOS-PICL(WIN) Connection: 0:0:0:0:0:1:50822

Thread:1 - 0000-MAIN-PARA (Running)

Process: 487601736 Program: MF47CB1

Read-Only Insert 193 : 1

Windows taskbar: ENG 18:34

