

This is the tutorial for IBM's Fault Analyzer for z/OS[®], one of the IBM zSeries[®] problem determination tools.

- **CICS®, DB2® and IMS™ support**

- CICS support
- Using the CICS on-line interface
- DB2 support
- IMS support



- **Working with fault entries**

- Creating and using a fault history file
 - Moving or copying fault entries
 - Transmitting fault entries to another system
 - Writing to your own history file

In this section you will learn how to create and work with your own personal history file to store fault entries.

Create your own history file



- Fault entries will roll off of a fault history file eventually
 - **You can keep a copy of a fault entry in your own file**
- Allocate your own fault history file
 - Make it a PDS or PDSE, with the same attributes as the original fault history file (but probably a lot smaller!)
- Then copy or move the fault entry to your file
 - The fault entry is a PDS member
 - The member name is the fault id
 - Use a 'C' (copy) line command to make a copy of the fault entry in another history file
 - Use an 'M' (move) line command to move the fault entry from one history file to another
 - Use the 'X' XMIT command to send the fault entry from one system to another

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You can have your own history file. In system history files, old faults may get deleted to make room for new ones. You can move or copy fault entries into your own history file to avoid the risk of them being deleted before you are done with them. This can also be useful for saving certain abends for reference, in case they happen again.

**From the file pull-down menu,
select "New Fault History File Allocation"**

The screenshot shows the 'File' menu of the IBM Fault Analyzer. The menu items are:

1. Last Accessed Fault History Files or Views...
2. Last Accessed Fault History File Entries...
3. Clear Last Accessed Information
4. List Views...
5. Analyze MVS Dump Data Set...
6. Fault History File Properties...
7. New Fault History File Allocation...
8. Change Fault History File Settings...
9. Format CICS Auxiliary Trace Data Set...
10. Exit Fault Analyzer

Below the menu is a table of fault history entries:

	jend	Date	Class
F00927 DNET845X JOB16403	DNET845	DEMOMVS	S0C7 2010/02/24 A
F00926 DDS16343 STC16328	DDS1634	DEMOMVS	U0001 2010/02/24 n/a
F00925 DDS0001 STC16327	DDS0001	DEMOMVS	S522 2010/02/24 n/a
F00924 DDS16343 STC16233	DDS1634	DEMOMVS	U0001 2010/02/24 n/a
F00923 ADPOT243 STC16305	ADPOT24	DEMOMVS	U0001 2010/02/24 n/a
F00922 WKIVA64R JOB16318	DNET017	DEMOMVS	U0456 2010/02/24 A
F00921 DDS14943 STC16288	DDS1494	DEMOMVS	U0001 2010/02/24 n/a
F00920 DDS13783 STC16231	DDS1378	DEMOMVS	U0001 2010/02/24 n/a
F00919 DDS12513 STC16233	DDS1251	DEMOMVS	U0001 2010/02/24 n/a
F00918 DDS06603 STC16239	DDS0660	DEMOMVS	U0001 2010/02/24 n/a
F00917 DDS12511 JOB16247	DDS1251	DEMOMVS	S0CB 2010/02/24 n/a

Additional text in the screenshot includes: 'Line 1 Col 1 80', 'Scroll ==> HALF', and 'or S (View saved), D (Delete), H entry), X (XMIT fault)'. A yellow box labeled 'Enter' is positioned over the last row of the table.

To create your own history file, select "New Fault History File Allocation" from the file pull-down menu.

History file allocation panel is displayed



```
New History File Allocation                               Line 1 Col 1 76
Command ==> _____ Scroll ==> HALF

Press Enter to allocate new history file, or press PF3/PF12 to cancel.

History File Name . . . . . 'DNET845.ADLAB.HIST'
Primary Space . . . . . : 4_____ Cylinders
Secondary Space . . . . . : 2_____ Cylinders
PDS Type. . . . . : LIBRARY (LIBRARY or PDS)
Directory Blocks. . . . . : 0_____ (If PDS)
Maximum Fault Entries . . . : AUTO (1-9999999 or AUTO if PDS type is
LIBRARY)
Fault Entry Prefix. . . . . : F_____ (1-3 alphabetic characters)

*** Bottom of data.
```

Space allocation may be restricted on your system.
Suggested: specify "library" and zero directory blocks.

Enter

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A panel is displayed where you specify the name and attributes for the new history file. Give it enough space to hold the abends that you will need. Suggested options are "library" as the PDS type, and zero directory blocks. Press enter.

History file is created



```
File Options View Services Help
IBM Fault Analyzer - Fault Entry List Line 1 Col 1 80
Command ==> Scroll ==> HALF
Fault History File or View : 'FAULTANL.V10R1.HIST'

{The following line commands are available: ? (Query), V or S (View saved
report), I (Interactive reanalysis), B (Batch reanalysis), D (Delete), H
(Duplicate history), C (Copy fault entry), M (Move fault entry), X (XMIT fault
entry).}
```

Fault_ID	Job/Tran	Job_ID	Dups	User_ID	Sys/Job	Abend	Date	Class
F00927	DNET845X	JOB16403		DNET845	DEMOMVS	SOC7	2010/02/24	A
F00926	DDS16343	STC16328		DDS1634	DEMOMVS	U0001	2010/02/24	n/a
F00925	DDS0001	STC16327		DDS0001	DEMOMVS	S522	2010/02/24	n/a
F00924	DDS16343	STC16233		DDS1634	DEMOMVS	U0001	2010/02/24	n/a
F00923	ADPOT243	STC16305		ADPOT24	DEMOMVS	U0001	2010/02/24	n/a
F00922	WKIVA64R	JOB16318		DNET017	DEMOMVS	U0456	2010/02/24	A
F00921	DDS14943	STC16288		DDS1494	DEMOMVS	U0001	2010/02/24	n/a
F009							2/24	n/a
F009							2/24	n/a
F009							2/24	n/a
F00917	DDS12511	JOB16247		DDS1251	DEMOMVS	SOCB	2010/02/24	A

History file 'DNET845.ADLAB.HIST' has been allocated

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And the new history file is created.

- **CICS, DB2 and IMS support**

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- **Working with fault entries**

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Next, you will see how to move or copy entries from one fault history file to another.

Use C line command to copy a fault entry



```
File Options View Services Help
IBM Fault Analyzer - Fault Entry List Refresh complete
Command ==> _____ Scroll ==> HALF
Fault History File or View : 'FAULTANL.V10R1.HIST'

{The following line commands are available: ? (Query), V or S (View saved
report), I (Interactive reanalysis), B (Batch reanalysis), D (Delete), H
(Duplicate history), C (Copy fault entry), M (Move fault entry), X (XMIT fault
entry).}
```

	Fault_ID	Job/Tran	Job_ID	Dups	User_ID	Sys/Job	Abend	Date	Class
C	F00927	DNET845X	JOB16403		DNET845	DEMOMVS	SOC7	2010/02/24	A
—	F00926	DDS16343	STC16328		DDS1634	DEMOMVS	U0001	2010/02/24	n/a
—	F00925	DDS0001	STC16327		DDS0001	DEMOMVS	S522	2010/02/24	n/a
—	F00924	DDS16343	STC16233		DDS1634	DEMOMVS	U0001	2010/02/24	n/a
—	F00923	ADPOT243	STC16305		ADPOT24	DEMOMVS	U0001	2010/02/24	n/a
—	F00922	WKIVA64R	JOB16318		DNET017	DEMOMVS	U0456	2010/02/24	A
—	F00921	DDS14943	STC16288		DDS1494	DEMOMVS	U0001	2010/02/24	n/a
—	F00920	DDS13783	STC16231		DDS1378	DEMOMVS	U0001	2010/02/24	n/a
—	F00919	DDS12513	STC16233		DDS1251	DEMOMVS	U0001	2010/02/24	n/a
—	F00918	DDS06603	STC16239		DDS0660	DEMOMVS	U0001	2010/02/24	n/a
—	F00917	DDS12511	JOB16247		DDS1251	DEMOMVS	SOCB	2010/02/24	n/a

Enter

To copy an entry, type a C line command next to it, and press enter.

Specify the destination history file



```
Specify Move/Copy Options                               Line 1 Col 1 76
Command ==> _____ Scroll ==> HALF

Verify or change move/copy options for the selected fault entries and
press Enter, or press PF3/PF12 to abort the move/copy request.

Move/Copy Options:
  Destination History File: 'DNET845.ADLAB.HIST'

Selected Fault Entries:
  F00927

*** Bottom of data.
```

Enter

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You are prompted for the name of the destination history file. Type in the name and press enter.

Press ENTER to confirm



```
Specify Move/Copy Options                               Line 1 Col 1 76
Command ==> _____ Scroll ==> HALF

Verify or change move/copy options for the selected fault entries and
press Enter, or press PF3/PF12 to abort the move/copy request.

Move/Copy Options:
  Destination History File: 'DNET845.ADLAB.HIST'

Selected Fault Entries:
  F00927

*** Bottom of data.
```

This message displays if the file name in the panel was modified

Enter

Press Enter to confirm change of history file name, or PF3/PF12 to cancel the move/copy request.

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If you changed the name of the history file, you are prompted to confirm the new name. Press enter to continue.

The fault entry was copied



```
Fault Entry List Line Command Results           Successful completion
Command ==> _____ Scroll ==> HALF

Results of line commands--press PF3/PF12 or Enter to return.

  F00927 copied to DNET845.ADLAB.HIST (F00927)

*** Bottom of data.
```



And the entry was copied.

The fault entry is still in the old fault history file



```
File Options View Services Help
IBM Fault Analyzer - Fault Entry List                               Line 1 Col 1 80
Command ==> _____ Scroll ==> HALF

Fault History File or View : 'FAULTANL.V10R1.HIST'

{The following line commands are available: ? (Query), V or S (View saved
report), I (Interactive reanalysis), B (Batch reanalysis), D (Delete), H
(Duplicate history), C (Copy fault entry), M (Move fault entry), X (XMIT fault
entry).}
```

Fault_ID	Job/Tran	Job_ID	Dups	User_ID	Sys/Job	Abend	Date	Class
F00927	DNET845X	JOB16403		DNET845	DEMOMVS	SOC7	2010/02/24	A
F00926	DDS16343	STC16328		DDS1634	DEMOMVS	U0001	2010/02/24	n/a
F00925	DDS0001	STC16327		DDS0001	DEMOMVS	S522	2010/02/24	n/a
F00924	DDS16343	STC16233		DDS1634	DEMOMVS	U0001	2010/02/24	n/a
F00923	ADPOT243	STC16305		ADPOT24	DEMOMVS	U0001	2010/02/24	n/a
F00922	WKIVA64R	JOB16318		DNET017	DEMOMVS	U0456	2010/02/24	A
F00921	DDS14943	STC16288		DDS1494	DEMOMVS	U0001	2010/02/24	n/a
F00920	DDS13783	STC16231		DDS1378	DEMOMVS	U0001	2010/02/24	n/a
F00919	DDS12513	STC16233		DDS1251	DEMOMVS	U0001	2010/02/24	n/a
F00918	DDS06603	STC16239		DDS0660	DEMOMVS	U0001	2010/02/24	n/a
F00917	DDS12511	JOB16247		DDS1251	DEMOMVS	SOCB	2010/02/24	A

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When you copy an entry, it still remains in the original history file.

Move a fault entry



```
File Options View Services Help
IBM Fault Analyzer - Fault Entry List                               Top of data
Command ==> _____ Scroll ==> HALF
Fault History File or View : 'FAULTANL.V10R1.HIST'

{The following line commands are available: ? (Query), V or S (View saved
report), I (Interactive reanalysis), B (Batch reanalysis), D (Delete), H
(Duplicate history), C (Copy fault entry), M (Move fault entry), X (XMIT fault
entry).}
```

	Fault_ID	Job/Tran	Job_ID	Dups	User_ID	Sys/Job	Abend	Date	Class
M	F00928	DNET845W	JOB16423		DNET845	DEMOMVS	SOC7	2010/02/25	A
—	F00927	DNET845X	JOB16403		DNET845	DEMOMVS	SOC7	2010/02/24	A
—	F00926	DDS16343	STC16328		DDS1634	DEMOMVS	U0001	2010/02/24	n/a
—	F00925	DDS0001	STC16327		DDS0001	DEMOMVS	S522	2010/02/24	n/a
—	F00924	DDS16343	STC16233		DDS1634	DEMOMVS	U0001	2010/02/24	n/a
—	F00923	ADPOT243	STC16305		ADPOT24	DEMOMVS	U0001	2010/02/24	n/a
—	F00922	WKIVA64R	JOB16318		DNET017	DEMOMVS	U0456	2010/02/24	A
—	F00921	DDS14943	STC16288		DDS1494	DEMOMVS	U0001	2010/02/24	n/a
—	F00920	DDS13783	STC16231		DDS1378	DEMOMVS	U0001	2010/02/24	n/a
—	F00919	DDS12513	STC16233		DDS1251	DEMOMVS	U0001	2010/02/24	n/a
—	F00918	DDS06603	STC16239		DDS0660	DEMOMVS	U0001	2010/02/24	n/a

Enter

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To move an entry, type an M line command next to it, and press enter.

Enter the destination history file



Specify Move/Copy Options Line 1 Col 1 76
Command ==> _____ Scroll ==> HALF

Verify or change move/copy options for the selected fault entries and press Enter, or press PF3/PF12 to abort the move/copy request.

Move/Copy Options:
Destination History File: 'DNET845.ADLAB.HIST'

Selected Fault Entries:
F00928

*** Bottom of data.

Enter

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Type in the name of the destination history file, and press enter.

The fault entry was moved



```
Fault Entry List Line Command Results           Successful completion
Command ==> _____ Scroll ==> HALF

Results of line commands--press PF3/PF12 or Enter to return.

  F00928 moved to DNET845.ADLAB.HIST (F00928)

*** Bottom of data.
```



The entry was moved.

Move deletes the entry from the old history file



```
File Options View Services Help
IBM Fault Analyzer - Fault Entry List                               Line 1 Col 1 80
Command ==> _____ Scroll ==> HALF

Fault History File or View : 'FAULTANL.V10R1.HIST'

{The following line commands are available: ? (Query), V or S (View saved
report), I (Interactive reanalysis), B (Batch reanalysis), D (Delete), H
(Duplicate history), C (Copy fault entry), M (Move fault entry), X (XMIT fault
entry).}
```

	Fault_ID	Job/Tran	Job_ID	Dups	User_ID	Sys/Job	Abend	Date	Class
—	F00927	DNET845X	J0B16403		DNET845	DEMOMVS	S0C7	2010/02/24	A
—	F00926	DDS16343	STC16328		DDS1634	DEMOMVS	U0001	2010/02/24	n/a
—	F00925	DDS0001	STC16327		DDS0001	DEMOMVS	S522	2010/02/24	n/a
—	F00924	DDS16343	STC16233		DDS1634	DEMOMVS	U0001	2010/02/24	n/a
—	F00923	ADP0T243	STC16305		ADP0T24	DEMOMVS	U0001	2010/02/24	n/a
—	F00922	WKIVA64R	J0B16318		DNET017	DEMOMVS	U0456	2010/02/24	A
—	F00921	DDS14943	STC16288		DDS1494	DEMOMVS	U0001	2010/02/24	n/a
—	F00920	DDS13783	STC16231		DDS1378	DEMOMVS	U0001	2010/02/24	n/a
—	F00919	DDS12513	STC16233		DDS1251	DEMOMVS	U0001	2010/02/24	n/a
—	F00918	DDS06603	STC16239		DDS0660	DEMOMVS	U0001	2010/02/24	n/a
—	F00917	DDS12511	J0B16247		DDS1251	DEMOMVS	S0CB	2010/02/24	A

When you move an entry, it is deleted from the original history file.

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Next, you will see how to copy a fault entry from one system to another.

Select XMIT option



```
File Options View Services Help
IBM Fault Analyzer - Fault Entry List          Line 1 Col 1 80
Command ==> _____ Scroll ==> HALF

Fault History File or View : 'FAULTANL.V10R1.HIST'

{The following line commands are available: ? (Query), V or S (View saved
report), I (Interactive reanalysis), B (Batch reanalysis), D (Delete), H
(Duplicate history), C (Copy fault entry), M (Move fault entry), X (XMIT fault
entry).}
```

	Fault_ID	Job/Tran	Job_ID	Dups	User_ID	Sys/Job	Abend	Date	Class
X	F00927	DNET845X	JOB16403		DNET845	DEMOMVS	SOC7	2010/02/24	A
—	F00926	DDS16343	STC16328		DDS1634	DEMOMVS	U0001	2010/02/24	n/a
—	F00925	DDS0001	STC16327		DDS0001	DEMOMVS	S522	2010/02/24	n/a
—	F00924	DDS16343	STC16233		DDS1634	DEMOMVS	U0001	2010/02/24	n/a
—	F00923	ADPOT243	STC16305		ADPOT24	DEMOMVS	U0001	2010/02/24	n/a
—	F00922	WKIVA64R	JOB16318		DNET017	DEMOMVS	U0456	2010/02/24	A
—	F00921	DDS14943	STC16288		DDS1494	DEMOMVS	U0001	2010/02/24	n/a
—	F00920	DDS13783	STC16231		DDS1378	DEMOMVS	U0001	2010/02/24	n/a
—	F00919	DDS12513	STC16233		DDS1251	DEMOMVS	U0001	2010/02/24	n/a
—	F00918	DDS06603	STC16239		DDS0660	DEMOMVS	U0001	2010/02/24	n/a
—	F00917	DDS12511	JOB16247		DDS1251	DEMOMVS	SOCB	2010/02/24	n/a

Enter

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Sometimes you may need to copy a fault entry to a different system. For example, you may need to copy an entry from a production system or LPAR to a development system. Type an 'X' (for xmit) line command next to the entry, and press enter.

Enter destination information



```
Specify XMIT Options                               Line 1 Col 1 76
Command ==> _____ Scroll ==> HALF

Verify or change XMIT options for the selected fault entries and press
Enter, or press PF3/PF12 to abort the XMIT request.

XMIT Options:
Destination Node . . . . . : STFLAB6
Destination User ID . . . . : TSS13
Data Set Type . . . . . : PDS (PDS/SEQ)

Selected Fault Entries:
F00927

*** Bottom of data.
```

Enter

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Specify the destination node name of the system where the fault will be sent, and the user id who will receive the entry on that system. Press enter.

Transmit message – notice return code 0



```
IEBCOPY MESSAGES AND CONTROL STATEMENT
S                                PAGE      1
IEB1135I IEBCOPY  FMID HDZ1A10  SERVICE LEVEL UA46465  DATED 20090319 DFSMS 01.
10.00 z/OS      01.10.00 HBB7750  CPU 2094
IEB1035I DNET845  SPIFFY   SPIFFY   00:40:46 THU 25 FEB 2010 PARM='WORK=4M,SIZE
=1M'
COPY OUTDD=SYS00397,INDD=((SYS00393,R))
SELECT MEMBER=(F00927)
IEB1013I COPYING FROM PDSE  INDD=SYS00393 VOL=DMPP34 DSN=FAULTANL.V10R1.HIST
IEB1014I          TO PDSU OUTDD=SYS00397 VOL=DMPW02 DSN=SYS10056.T004046.RA000
.DNET845.R0180073
IGW01551I MEMBER F00927 HAS BEEN UNLOADED
IGW01550I 1 OF 1 SPECIFIED MEMBERS WERE UNLOADED
IEB147I END OF JOB - 0 WAS HIGHEST SEVERITY CODE
*** -
```



The JES "xmit" service is used to transmit the fault entry. Messages are displayed on your screen from xmit processing. Press enter to continue.

Returned to fault entry list after XMIT



```
File Options View Services Help
IBM Fault Analyzer - Fault Entry List                               Line 1 Col 1 80
Command ==> _____ Scroll ==> HALF

Fault History File or View : 'FAULTANL.V10R1.HIST'

{The following line commands are available: ? (Query), V or S (View saved
report), I (Interactive reanalysis), B (Batch reanalysis), D (Delete), H
(Duplicate history), C (Copy fault entry), M (Move fault entry), X (XMIT fault
entry).}
```

Fault ID	Job/Tran	Job ID	Dups	User ID	Sys/Job	Abend	Date	Class
F00927	DNET845X	JOB16403		DNET845	DEMOMVS	SOC7	2010/02/24	A
F00926	DDS16343	STC16328		DDS1634	DEMOMVS	U0001	2010/02/24	n/a
F00925	DDS0001	STC16327		DDS0001	DEMOMVS	S522	2010/02/24	n/a
F00924	DDS16343	STC16233		DDS1634	DEMOMVS	U0001	2010/02/24	n/a
F00923	ADPOT243	STC16305		ADPOT24	DEMOMVS	U0001	2010/02/24	n/a
F00922	WKIVA64R	JOB16318		DNET017	DEMOMVS	U0456	2010/02/24	A
F00921	DDS14943	STC16288		DDS1494	DEMOMVS	U0001	2010/02/24	n/a
F00920	DDS13783	STC16231		DDS1378	DEMOMVS	U0001	2010/02/24	n/a
F00919	DDS12513	STC16233		DDS1251	DEMOMVS	U0001	2010/02/24	n/a
F00918	DDS06603	STC16239		DDS0660	DEMOMVS	U0001	2010/02/24	n/a
F00917	DDS12511	JOB16247		DDS1251	DEMOMVS	SOCB	2010/02/24	A

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You are returned to the fault entry list. An Xmit leaves the fault entry in the original history file.

Log on to the other system and receive the fault



```
Menu List Mode Functions Utilities Help
ISPF Command Shell
Enter TSO or Workstation commands below:
===> receive da('tss13.fa.hist')
Place cursor on choice and press enter to Delete command
=>
=>
=>
=>
=>
=>
=>
=>
=>
=>
=>
F1=Help      F2=Split    F3=Exit     F7=Backward F8=Forward  F9=Save
F10=Actions  F12=Cancel

Enter
```

To receive the fault entry, log on to the system where it was sent. Go to the ISPF command shell, typically option 6 in ISPF, and issue a receive command in the format shown [receive('user-id.FA.HIST')].

The fault entry was received into a history file



```
File Options View Services Help
IBM Fault Analyzer - Fault Entry List Refresh complete
Command ==> Scroll ==> CSR
Fault History File or View : 'TSS13.FA.HIST'
{The following line commands are available: ? (Query), V or S (View saved
report), I (Interactive reanalysis), B (Batch reanalysis), D (Delete), H
(Duplicate history), C (Copy fault entry), M (Move fault entry), X (XMIT fault
entry).}
Fault_ID Job/Tran User_ID Dups Abend Date Jobname Class Time
F00927 TSS13X TSS13 SOC7 2010/02/24 TSS13X A 23:07:26
F00998 TSS13A TSS13 SOC7 2008/09/25 TSS13A A 09:32:36
F00996 TSS13A TSS13 SOC7 2008/09/25 TSS13A A 06:52:21
F00989 TSS13A TSS13 SOC7 2008/09/24 TSS13A A 06:17:06
** Bottom of data.
F1=Help F3=Exit F4=MatchCSR F5=RptFind F6=Actions F7=Up
F8=Down F10=Left F11=Right F12=MatchALL
```

After the receive runs, the fault entry is available on the receiving system.

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Next, you will see how you can code JCL in a batch job to have a fault entry written to your personal history file, instead of the system file.

Write to your own history file from batch jobs



- There are several reasons you may want to direct fault entries to your own history file
 - Fault entries are removed from system fault history files
 - You can keep the faults as long as you want
 - You can run test jobs without filling up the system file
 - You can have as many history files as you need
- Specify the history file in an IDIHIST DD statement in the JCL
 - It will affect only the job step where it is coded
 - If the job step does not abend, the DD is ignored


In some cases, you may prefer to have abends from batch jobs stored in your own history file. Perhaps fault entries are deleted too quickly from the system history files, and you want to keep them longer. Or perhaps you are collecting a large number of abends and want to avoid filling up the system files.

Whatever the reason, you can have faults written to your own file by coding an IDIHIST DD statement in your JCL.

Add an IDIHIST DD and submit the batch job



```
File Edit Edit_Settings Menu Utilities Compilers Test Help
EDIT      DNET845.ADLAB.JCL (XSAM) - 01.04          Columns 00001 00072
Command ==> sub                                Scroll ==> CSR
***** ***** Top of Data *****
000001 //DNET845F JOB (ACCTG),'IBM TOOLS WORKSHOP',REGION=4M,CLASS=A,
000002 //          MSGCLASS=H,NOTIFY=&SYSUID,MSGLEVEL=(1,1)
000003 //*
000004 //PRINT1 EXEC PGM=IDCAMS
000005 //SYSPRINT DD SYSOUT=*
000006 //FILE DD DSN=&SYSUID..ADLAB.FILES(CUST2FA),DISP=SHR
000007 //SYSIN DD *
000008 PRINT INFILE(FILE) COUNT(1)
000009 //*
000010 //*
000011 //RUNSAM1 EXEC PGM=SAM1,REGION=4M
000012 //STEPLIB DD DISP=SHR,DSN=&SYSUID..ADLAB.LOAD
000013 //IDIHIST DD DSN=&SYSUID..ADLAB.HIST,DISP=SHR
000014 //CUSTFILE DD DSN=&SYSUID..ADLAB.FILES(CUST2FA),DISP=SHR
000015 //SYSPRINT DD SYSOUT=*
000016 //SYSOUT DD SYSOUT=*
000017 //CUSTRPT DD SYSOUT=*
000018 //CUSTOUT DD SYSOUT=*
000019 //TRANFILE DD *
```



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IBM Fault Analyzer for z/OS - V12 Tutorial

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In this example, an IDIHIST DD statement is added. If the step with this DD statement abends, the fault will be saved in the specified history file, instead of the system history file. If the step does not abend, then the DD statement has no effect. The job is submitted.

The job abends



```
02.13.06 JOB16455 $HASP165 DNET845F ENDED AT DEMOMVS - ABENDED SOC7 U0000 CN(IN
INTERNAL)
*** -
```



And the job abended.

The IDIHIST DD made the fault go to your history file, instead of the default system history file



```
Display Filter View Print Options Help
-----
SDSF OUTPUT DISPLAY DNET845F JOB16457 DSID 112 LINE 1,185 COLUMNS 02- 81
COMMAND INPUT ==> _ SCROLL ==> HALF
The following Fault Analyzer data set or path names were either
preallocated, specified via DataSets options, or provided as defaults.

DDname Data Set or Path Name
-----
IDIBOOKS FAULTANL.V10R1.SIDIBOOK
IDIDOC FAULTANL.V10R1.SIDIDOC1
IDIHIST DNET845.ADLAB.HIST
IDIMAPS FAULTANL.V10R1.SIDIMAPS
IDIVSENU FAULTANL.V10R1.IDIVSENU

Fault Analyzer was invoked via the LE CEEEXTAN exit (IDIXCEE). Its execution
time was 0.86 seconds. It used 0.26 CPU seconds and 1.25 megabytes of allocated
storage.

Fault ID F00001 assigned in history file DNET845.ADLAB.HIST.

End of Fault Analyzer report (2010/02/25 02:17:57).
***** BOTTOM OF DATA *****
```

If the job's real-time report is examined, you can see that the history file specified in the IDIHIST DD statement was used. Open this history file in Fault Analyzer to work with the fault entry.

That is the end of this section, working with your own fault history file.

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