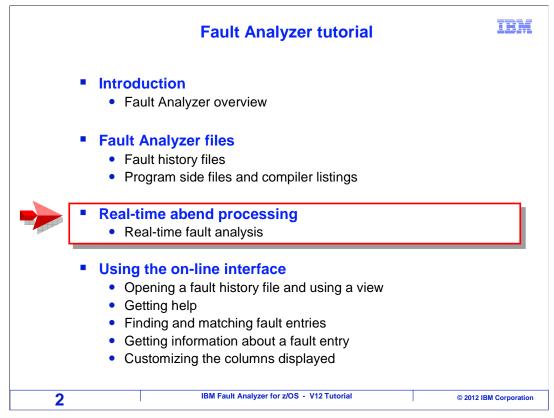
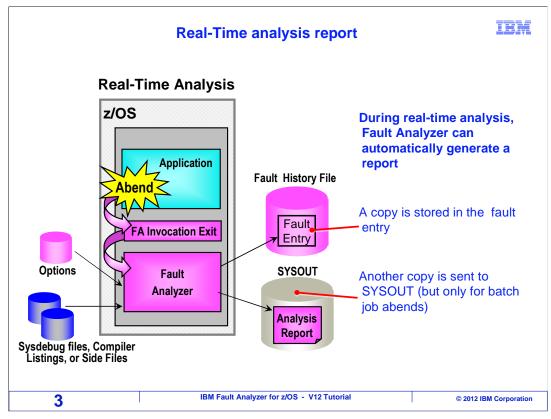


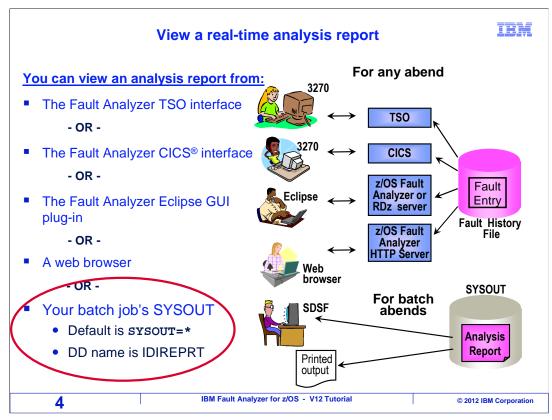
This is the tutorial for IBM's Fault Analyzer for z/OS[®], one of the IBM zSeries[®] problem determination tools.



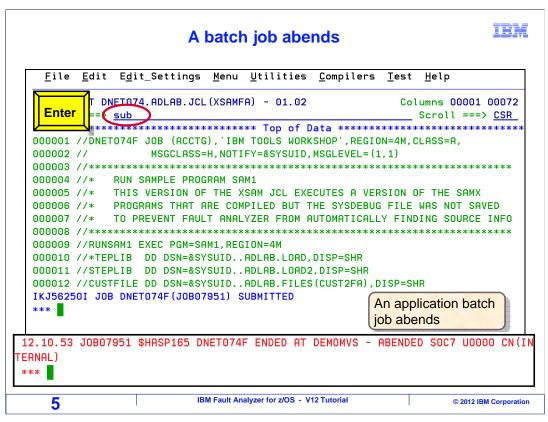
In this section, you will see an example of Fault Analyzer performing real-time analysis when an abend occurs.



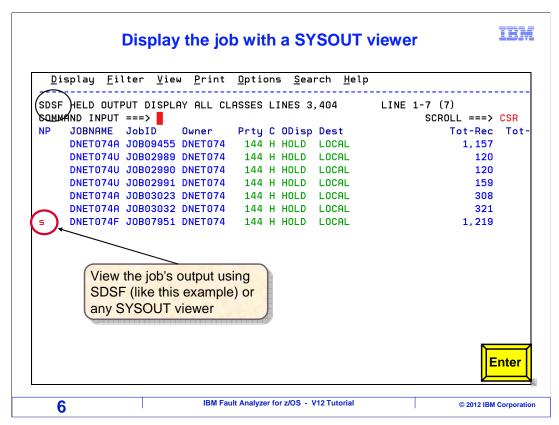
When Fault Analyzer detects an abend, it performs real-time analysis and can automatically generate a report. A copy is always stored in the fault entry in the fault history file, and for batch jobs a copy may also be written to SYSOUT.



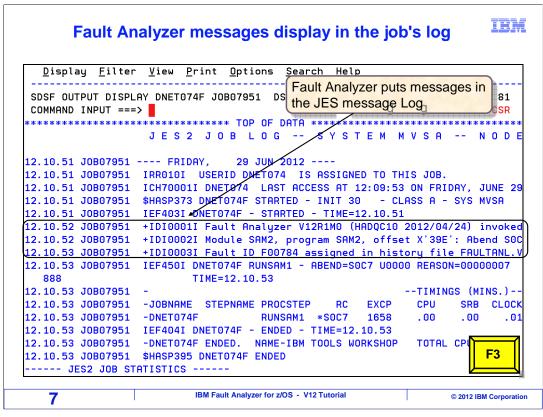
In this example, the real-time report is viewed from SYSOUT.



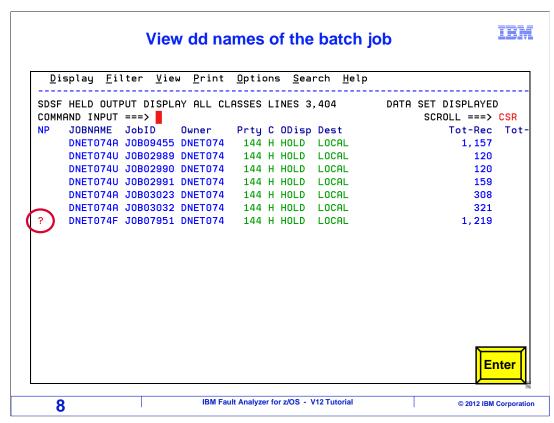
A batch job is submitted. This job abends, and fault analyzer automatically processes it.



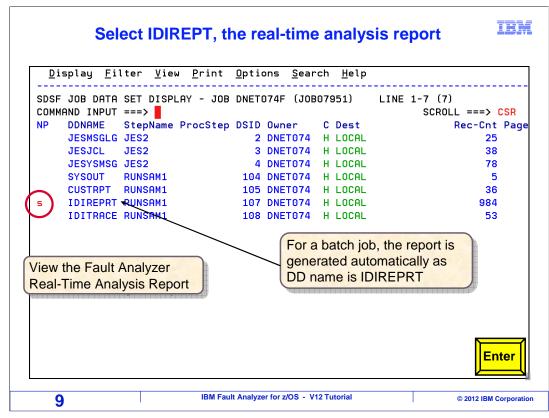
Most systems have a SYSOUT viewer you can use to read a job's output. SDSF is used in this example, although you may have a different SYSOUT viewer on your system. The job that just ran is viewed.



Fault Analyzer writes messages in the system log when it processes an abend. These messages start with the letters IDI. One of the messages shows that the abend occurred in a program called SAM2 and it shows the source statement number. The next message shows the names of the fault entry and fault history file. That is good information, so you can determine which fault history file was written to. F3 returns to the sysout list.



The real time report is written to a DD name called IDIREPRT. In SDSF, the "?" line command shows a list of DD names for a job.



The IDIREPRT DD is selected. Press Enter.

The real-time analysis report

Display Filter View Print Options Search Help SDSF OUTPUT DISPLAY DNET074F JOB07951 DSID 107 LINE 10 COLUMNS 02- 81 COMMAND INPUT ===> SCROLL ===> CSR <H1>IBM FAULT ANALYZER SYNOPSIS A system abend 0C7 occurred in module SAM2 program SAM2 at offset X'39E'. A program-interruption code 0007 (Data Exception) is associated with this abend and indicates that: A decimal digit or sign was invalid. The cause of the failure was program SAM2 in module SAM2. The COBOL source code that immediately preceded the failure was: Source Line # _____ * *** Add this customer's BALANCE to the grand total *** 000088 COMPUTE BALANCE-TOTAL = 000089 BALANCE-TOTAL + CUST-ACCT-BALANCE 000090 IBM Fault Analyzer for z/OS - V12 Tutorial 10 © 2012 IBM Corporation

This is the real time report that was generated by Fault Analyzer. For batch jobs, you can research the abend by reading this report. In the next sections, you will see that you can view the same report from the on-line interface.

That is the end of this section, real-time abend processing.

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