

Product Brief

Key Benefits

- **Condensed, clear-cut diagnostic information:** Help developers and systems programmers focus more quickly on the area of code causing the problem.
- **Helps limit application outages:** Faster error resolution facilitates minimal downtime with increased system and application availability.
- **Efficient resource utilization:** Sophisticated technology for controlled dump capture and duplicate dump suppression, combined with advanced data compression algorithms, results in nominal storage requirements.

Key Features

- **Graphical user interface based on Visual Studio Code (VS Code):** The Abend Analyzer VS Code extension enables a new generation of developers to perform fault analysis of mainframe applications in a modern development environment of their choice.
- **Straightforward diagnostic reports:** Determine where and understand why the application ABEND or system failure occurred.
- **Integrated Endeavor™ and File Master™ Plus functions:** On-demand location and formatting of symbolics using the secured source-of-record, and directly initiates fully qualified file browse or edit sessions.

SymDump[®]

SymDump System, SymDump Batch, SymDump for CICS

At a Glance

SymDump[®] is a fault management tool for IBM z/OS systems that provides critical, comprehensive ABEND information for both test and production environments. Once installed and configured with appropriate environmental information, SymDump automatically captures diagnostics for abnormally terminated jobs and transforms the information to expedite problem diagnosis. Easy-to-read detailed reports, formatted storage areas, and formatted control blocks for IBM z/OS, IBM CICS, IBM MQSeries, JES2, IBM Db2, IBM IMS, and Datacom™/DB applications help developers and systems programmers quickly identify and subsequently correct errors.

Business Challenges

Software outages happen. Some have more impact than others. As IT organizations propagate and continue to invest in applications that span mobile-to-mainframe environments, having proven, reliable tools that facilitate quick recovery becomes key to retaining and growing business. While software serves to define competitive advantage, maintaining it becomes increasingly critical to achieving the superior applications necessary for corporate success.

Time-to-diagnosis is vital. Capturing and reporting both system and application errors that occur within the production and test environments is an important and time-consuming phase of maintaining critical mainframe applications. SymDump intercepts errors and helps developers and systems programmers resolve issues promptly and efficiently. By highlighting the source statement that triggered the application ABEND, identifying the values of data items, and providing formatted displays of trace information, SymDump helps to more efficiently assess and resolve system and application outages.

Solution Overview

SymDump automatically captures and reports system and application failures, providing data to efficiently identify and subsequently help resolve errors.

Whether in testing or production, concise reports assist in diagnosing abnormally terminated application programs. The ABEND intercept capability serves as input to producing high-quality reports that facilitate root-cause diagnosis. The choice of a traditional or Visual Studio Code-based graphical interface appeals to application and system programmers with various experience levels.

Key Features (cont.)

- **Customized displays and KEEP WINDOW:** Quick redisplay and review of captured dumps and dump viewing areas.
- **Event creation and notification:** Expedite communication to the responsible application support staff through the use of automation.

Supported Environments

Visit the [Mainframe Compatibilities](#) page for more information on supported environments, including:

- IBM z/OS
- IBM CICS Transaction Server

Related Products

- **InterTest™ Batch:** Comprehensive, interactive debugging for z/OS batch programs.
- **InterTest for CICS:** Comprehensive, interactive debugging for CICS programs.
- **Endevor:** Secure software, track changes, and enable mainframe DevOps.
- **Brightside:** Enterprise-grade open source support offering.

SymDump helps focus problem diagnosis and resolve issues promptly, shortening development cycles, reducing production outages, and improving the ability to swiftly maintain critical business applications that span mobile, cloud, Web, and mainframe environments.

Critical Differentiators

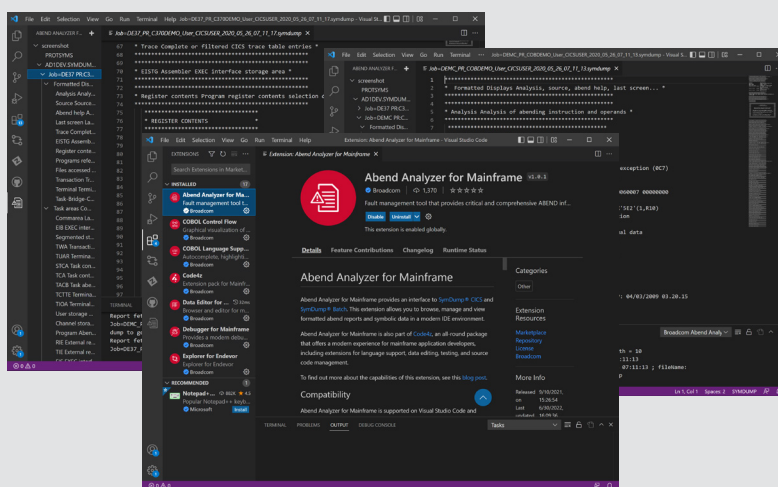
In addition to its comprehensive set of debugging capabilities, SymDump System offers key unique features, including:

- **Integrated testing suite:** SymDump System is an integral component of the suite of integrated testing and fault analysis tools, which share a common look and feel that help developers easily switch back and forth between CICS and batch debugging or initiate a debugging session when a fault is detected.
- **Graphical user interface based on Visual Studio Code:** The UI helps a new generation of developers assume responsibility for mainframe applications while enabling seasoned developers to work more productively.

Code4z

Code4z is an all-in-one VS Code extension pack for mainframe users working with z/OS. Code4z provides language support for COBOL and High Level Assembler for z/OS and graphical visualization of COBOL applications. The pack also includes data editing and file management tools, Explorer for Endeavor, and extensions for interactive debugging, macro tracing, and abend analysis

The Abend Analyzer extension for VS Code adds a graphical user interface to SymDump Batch and SymDump CICS. Abend Analyzer is part of the Code4z extension pack.



For more information, please visit:
broadcom.com/products/mainframe/application-development