Product Brief

Auditor for z/OS

Key Benefits

- **Simplifies management:** Robust auditing, integrity check and verification capabilities.
- **Improves operational efficiency:** Greater visibility and insight into systems.
- **Reduces time-consuming tasks:** Provides auditing and customizable system functions.
- **Reduces learning curve:** Comprehensive tutorial and support materials.

Key Features

- **Gathers and displays system hardware and software information:** Enables you to perform a high-level look at your computer system.
- **Monitors operator consoles:** Displays the active and inactive consoles defined to the system, system ID, and Sysplex ID of the console, as well as other vital information.
- **Analyzes system customization variables:** Details the options used to customize the operating system.
- **Reviews executables:** Enables you to minimize this task and provide accurate information.
- **Inspects programs and monitors their use.**
- **Monitors file usage:** Provides the capability to monitor usage and ensure the integrity of your files.

At a Glance

Auditor for z/OS (Auditor) is a powerful mainframe tool that is architected to help you achieve and maintain compliance with the myriad regulatory requirements that govern your business and IT systems. Auditor enables you to perform an automated technical review of your system, and your hardware and software environment, and to identify integrity exposures in IBM z/OS. Auditor is designed to help simplify auditing activities and to eliminate manual processes so that any user, even someone without in-depth experience, can perform an extensive operating system review.

Business Challenges

With each new generation of mainframes, operating systems become more complex, and auditing processes grow more difficult. Any operating system can experience security exposures as a result of bugs or errors in installation, customization, or maintenance. The efficiency of every environment depends on many factors, such as the type of mainframe that you select, how you configure the hardware, and what type of software you use. However, gathering the information that helps you to ensure the integrity of your libraries and of the functions that control your operating system is a time consuming, and therefore expensive, task.

Solution Overview

Auditor helps you to identify the system, application, and security exposures in z/OS environments that arise from improper system configuration and operational errors, intentional circumvention of controls, and malicious attacks. As a part of an overall program of compliance, security and software management, Auditor can help you to ensure the integrity of your base operating system and application processing environments. The solution helps you to establish and to maintain the integrity of your platform operating system so that you can meet compliance regulations and business auditing requirements.

Auditor addresses a significant exposure point in the z/OS operating system by empowering you to perform comprehensive auditing, integrity checks, and verifications. The product helps you perform these tasks through capabilities that gather and display system hardware and software information, analyze system customization variables, review executables, inspect programs, monitor file usage, make suggestions, answer questions and more.

Related Products

The Broadcom® mainframe security portfolio works together across the security lifecycle. While each offering delivers value individually, combining data across offerings delivers greater value, yielding insights into hidden risks. The complete solution is available within the Mainframe Security Suite and contains the following products:

- **Advanced Authentication for Mainframe:** Offers enhanced verification to deepen the trust in the identity of users on your system.
- **Auditor:** Identify security risks and automate the z/OS audits and integrity checks.
- **Cleanup:** Automatically eliminate unused IDs and entitlements.
- **Compliance Event Manager:** Collect and monitor real-time security information, compliance-related information, and events within the mainframe environment with the ability to send data to Splunk or an enterprise SIEM solution.
- **Mainframe Security Insights Platform:** Collect, aggregate, and analyze security data to understand the mainframe security posture and remediate mainframe security risk.
- **Trusted Access Manager for Z:** Monitor and control privileged users by granting time-bounded just-in-time access to the system, critical resources and regulated data, or resources with 1:1 accountability and auditing.

Key Advantages

Auditor provides you with the capability to perform a high-level review of your system. The System Hardware Overview provides information about the CPU, its serial number, the date and time of the last IPL and the version of the operating system. Auditor also monitors hardware errors, delivering reports that aid in monitoring and summarizing error rates from tape drivers and disk drives.

To ensure that the proper events are being recorded, Auditor provides information about the current System Management Facility (SMF) options in use and SMF files, identifies SMF exits, and displays selected SMF records in an easy-to-read format. In addition, Auditor displays the active and inactive consoles defined to the system, the Sysplex ID and system ID of the console, and other vital information.

The Program Information option in Auditor provides details and statistics about the origins of programs in use. You can also compare two source modules, compare two load modules, freeze programs for later comparison, and locate load modules with no source code. These functions are useful not only for operating system-provided programs and libraries, but also for application programs and libraries.

The following key features are available for use in Auditor:

- **Comprehensive compliance, security and software management:** A comprehensive tool enables you to perform an automated technical review of the system, hardware and software environment, and identify integrity exposures in z/OS.
- **Extended capabilities for baseline analysis:** A baseline audit is a standard auditing principle by which a known, audited configuration (baseline) is established, and all future audits of that configuration are made against the saved results.
- **Analysis of customization variables:** An analysis tool details the options used to customize the operating system.
- **System and hardware overviews.** These overviews give you the capability to perform a high level look at the computer system.
- **Monitoring of file usage:** The integrity of your files is important because they contain all the data stored on your system and often reflect erroneous information. Auditor provides the capability to monitor and ensure the integrity of these files.
- **Online help and tutorials:** The complexity of the operating system has increased to such a degree that it is often difficult to know what information is needed to complete a comprehensive review. Auditor addresses this challenge by providing online help and tutorials.

Related Products (cont.)

The *Mainframe Security Suite* provides the components you need to completely modernize mainframe security, and align the mainframe platform with your enterprise security control mandates. As a package, it enables adoption of components as security needs allow. You have the comfort of knowing that a world expert in mainframe security is available to help you from planning, to install, and with ongoing best practices.

Reduce business risk and improve compliance with a comprehensive modern mainframe strategy. This strategy is a best practices-based process that advances mainframe protection and moves security from firefighting to strategic value.

Next Steps

To learn about Auditor for z/OS, see Auditor for z/OS (www.broadcom.com/products/mainframe/compliance-data-protection/auditor).

To learn more about mainframe security, see mainframe.broadcom.com/security.

To try the Broadcom free Security Assessment, visit Security Essentials (mainframe.broadcom.com/trymri-securityessentials).

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