

Transforming mainframe data management

Modernize mainframes with IBM Guardium
Discover and Classify mainframe security
posture management solution



Highlights

Challenges in mainframe
modernization

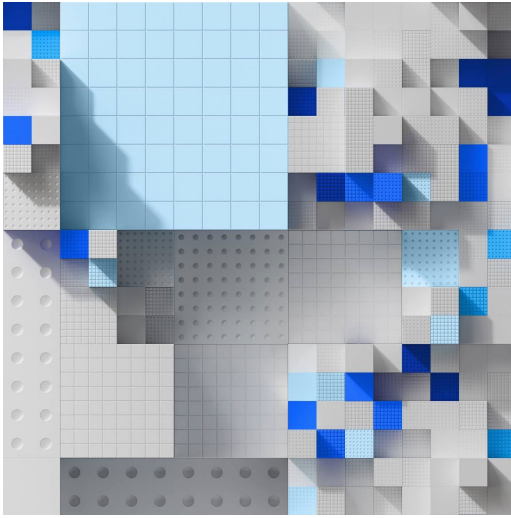
Elevating mainframe security
with IBM Guardium Discover
and Classify

Key features

Measurable value

Mainframes host applications and databases that process massive transaction volumes and store vast amounts of sensitive data. The continued reliance on mainframes for critical business operations across various industries highlights the need for modernization solutions that enhance their capabilities while maintaining robust performance and security.

IBM Guardium Discover and Classify mainframe security posture management (MSPM) solution supports mainframe modernization, addressing key challenges and enhancing operational agility and efficiency. Through advanced data discovery, classification, and sensitive data management, MSPM offers a comprehensive solution for organizations looking to optimize their mainframe environments.



Challenges in mainframe modernization

Despite their robust capabilities, mainframes face challenges in integrating with modern distributed computing platforms and cloud environments.

Modernizing mainframes involves linking them with modern applications. Traditional API-based integrations often fall short, necessitating innovative solutions to ensure seamless communication between systems.

Ensuring data protection across all environments is critical to prevent breaches and data loss. Mainframes were not originally designed to integrate easily with modern distributed platforms, posing challenges for maintaining security and compliance.

The specialized knowledge needed to manage and modernize mainframes is dwindling as experienced professionals retire and fewer new talents with mainframe skills enter the field. This skills gap poses a significant hurdle, making it essential for enterprises to seek external expertise.

IBM Guardium Discover and Classify MSPM feature aligns with future trends in mainframe technology, leveraging contextual AI and machine learning to provide advanced data insights and operational efficiencies.



Elevating mainframe security with IBM Guardium Discover and Classify

IBM Guardium Discover and Classify mainframe security posture management solution (MSPM) addresses the complexities of mainframe modernization by providing advanced sensitive data discovery and classification.

Integrating with mainframe systems such as Virtual Storage Access Method (VSAM) datasets and IBM® Db2® on IBM Z, and soon IBM Information Management System (IMS) and flat files, MSPM continuously monitors and analyzes sensitive data.

By normalizing and contextualizing mainframe data and continually enhancing its capabilities, MSPM seamlessly integrates data with distributed and cloud environments, creating a single, accurate contextual record for the entire enterprise. This ensures continuous data flow and consistency across all environments, enhancing data governance and reducing risk to meet evolving business needs and regulatory requirements.

IBM Guardium Discover and Classify offers:

- rapid implementation,
- enhanced security and compliance with proactive protection,
- automated governance and streamlined data management,
- rugged deployments and reliable operations in secure settings.

98.6%¹

Accuracy in sensitive data
discovery and classification

3

Clicks to pass audits

Key features

- Analyzes RACF dataset permissions to determine which entities can access sensitive mainframe data, maintaining strict access controls and ensuring only authorized personnel can access critical data.
- Offers business groupings and protection status of mainframe data for quick prioritization based on sensitivity, criticality, and business context, enabling enterprises to focus resources on the most critical data assets.
- Scans mainframe datasets with or without copybooks, providing detailed insights into sensitive data, ensuring a complete and accurate inventory of data assets.
- Continuously monitors data for security governance and privacy compliance, allowing enterprises to respond quickly to potential threats or compliance issues.
- Integrates mainframe data with distributed and cloud environments, ensuring a single, accurate contextual record for the entire enterprise, facilitating a unified view of data.

Measurable value

Reduced sensitive data risk

IBM Guardium Discover and Classify MSPM feature utilizes contextual AI to provide industry-leading 98.6%¹ accuracy in sensitive data discovery and classification, significantly reducing the risk of data breaches and compliance violations.

Remove redundant, obsolete, and trivial (ROT) data

IBM Guardium Discover and Classify deep scanning and intelligent data classification capabilities enable organizations to identify and eliminate ROT data within mainframe datasets. This process is crucial during cloud migration projects, as it reduces the volume of data transferred and lowers ongoing storage costs.

3-clicks to pass audits

The solution automates data catalog updates and provides accurate, near real-time mainframe data, allowing enterprises to generate comprehensive compliance reports in just three clicks. This efficiency reduces the burden of audit preparation and ensures continuous adherence to regulatory requirements.

IBM Guardium Discover and Classify, a pioneer in contextual AI data discovery and classification, has launched its mainframe security posture management (MSPM) feature to modernize mainframe data management. This groundbreaking solution leverages contextual AI to deliver unmatched visibility and accuracy in data discovery and classification across mainframe environments, transforming how enterprises manage and protect their most critical data assets.

For more information

To learn more about IBM Guardium Discover and Classify, contact your IBM representative or IBM Business Partner, [or www.ibm.com/products/ibm-security-discover-and-classify](https://www.ibm.com/products/ibm-security-discover-and-classify).

1. Tolly Test Report, "Sensitive Data Discovery and Classification at Scale," January 2024.

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