

# BMC on BMC

## Transform Mainframe Data Management with BMC AMI Cloud

### Executive summary

BMC transformed its own IBM Z<sup>®</sup> data management environment using BMC AMI Cloud Data integrated with Dell ObjectScale, achieving meaningful operational and financial results. The transformation delivered up to 90% CPU reduction, approximately 50% lower VTS refresh costs, faster backup and recovery, simplified operations, and stronger cyber resilience—all without application changes, outages, or disruption. The same solution BMC brings to customers now runs at scale within BMC's own IBM Z.

### The Challenge

Organizations today must balance data security, scalability, and operational efficiency while transforming their IBM Z environment. As BMC helps customers simplify operations, improve performance and resilience, and make mainframe data more accessible, BMC faced the same challenges internally. The company's own IBM Z relied on traditional DFSMSHsm storage management and a TS7770 Virtual Tape System. While proven, these technologies had become increasingly complex to manage, costly to refresh, and limited in their ability to support today's data use cases such as AI, machine learning, and analytics.

BMC needed a way to transform data management, reduce cost and complexity, and improve resilience—without compromising the reliability of its IBM Z.

### The Solution

BMC seamlessly integrated BMC AMI Cloud Data and Dell ObjectScale S3 on premises object storage with its IBM Z. The goal was to increase resilience, simplify operations, and accelerate backup and recovery while preserving the integrity and stability of existing systems. The solution was designed to support high availability, scalability, and rapid disaster recovery, while reducing operational overhead and enabling expansion into hybrid and cloud adjacent workflows.

### BMC's New Mainframe Environment

BMC AMI Cloud Data transformed BMC's IBM Z operations through seamless integration with both z/OS and Dell ObjectScale. The solution operated alongside the existing VTS environment, allowing administrators to selectively re tier data to object storage without impacting applications or ongoing operations. Business continuity was maintained throughout the transition, with no outages and no required application changes.

Once deployed, the solution replaced the complex hierarchical storage tools and most VTS infrastructure, reducing the data center footprint, power and cooling requirements, and future hardware refresh costs. Backup and archive processing was offloaded from the IBM Z platform general CPUs to zIIP engines, significantly improving performance without requiring DASD pre staging or VTS back end storage

### Operational Experience

Administrators quickly benefited from BMC AMI Cloud's intuitive user interface, which simplified policy creation and management while providing clear visibility into corrupted data, resource usage, and anomalies. Built in filtering, search, dashboards, automation, discovery, and load balancing streamlined daily operations. Native z/OS integration was handled through the BMC AMI Cloud Remote Server API procedure, and reporting for full volume backup and archive policies delivered a unified view of all protected resources. These capabilities enabled faster issue resolution and improved service levels.

## Object Storage and Resilience

To replace most of the VTS environment, BMC deployed Dell ObjectScale storage, delivering high durability and availability through redundant, multi-node architecture. ObjectScale strengthened data protection through integrated security features including encryption, immutability, object locking (WORM), zero-trust design, real-time monitoring, and logical air-gap isolation. ObjectScale also simplified administration and enabled scalable access to mainframe data for AI, ML, and analytics initiatives.

## Solution Benefits

- Enabled seamless integration that operated alongside the VTS environment, allowing administrators to selectively re tier data to object storage
- Provided business continuity throughout the data transition with no impact on applications or data center operations
- Transitioned from complex utilities to intuitive object based workflows aligned with hybrid enterprise environments
- Reduced VTS refresh costs by approximately 50 percent
- Lowered CPU consumption, MSUs, and hierarchical storage overhead
- Simplified operations with centralized policy management and improved data visibility
- Reduced VTS footprint by moving system and database logs to object storage
- Improved recovery readiness through validated full volume backup and stand alone restore testing
- Increased IT efficiency through automation and easier day to day management
- Expanded team skills to support the next evolution of mainframe operations

## Conclusion

By adopting BMC AMI Cloud Data integrated with Dell ObjectScale, BMC strengthened cyber resilience, improved performance, simplified operations, reduced costs, and validated recovery—while preserving the reliability and integrity of the IBM Z environment. Additionally, BMC unlocked its proprietary mainframe data for use with AI and analytics applications to help drive smarter business insights.



### FOR MORE INFORMATION

For more information about BMC AMI Cloud, visit: [bmc.com/it-solutions/bmc-ami-cloud.html](https://bmc.com/it-solutions/bmc-ami-cloud.html).

## About BMC

BMC empowers almost 80% of the Forbes Global 100 to accelerate business value, faster than humanly possible. Our industry-leading portfolio unlocks human and machine potential to drive business growth, innovation, and sustainable success. BMC does this in a simple and optimized way by connecting people, systems, and data that power the world's largest organizations so they can seize a competitive advantage.

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