Disk Storage

Mainframe Computing
July 2021

Debit Code: 14 & 16
Rate: $0.0316/cylinder & $1.89/gigabyte

Description	Rate FY22/FY23	Debit Code
MVS-Disk Storage (DASD)	$0.0316/cylinder	14
Tape Storage	$1.89/gigabyte	16

All OCIO rates can be found at: **Rates & Fees**

General Overview

There are two storage mediums supporting mainframe data: magnetic tape and disk (DASD). Tape is used for high volume storage and for backup. DASD is used for data that has on-line requirements, where responsiveness is a prerequisite. Individual DASD production datasets are backed up to tape to protect against data loss. When a production dataset is created or updated, it is backed up to tape by a software component of the z/OS operating system. No action is required by the owner of the data. The backups can be restored in the event of data corruption, data loss, hardware malfunction, program error, human error, etc. In addition to these individual dataset backups, all DASD data are mirrored to a storage unit at a remote site.

Service Details

When the need for storage services is identified, the z/OS system support staff receives a storage request from the client, at which time it is determined which storage medium is more appropriate. Catalog allocations are defined by the support staff, when enables the user to create data on that particular medium.

In the event of a catastrophe resulting in the loss of DASD storage at the local site, the remote site would reflect the data to within a few seconds of the point-in-time when the local unit was lost.

Tape data is not mirrored in real time, but all datasets residing on tape are copied to that same remote location within 24 hours of creation. There is an additional level of backup provided. Every weekend, a point-in-time copy of the DASD is written to tape, and the tapes are transported to another site for safekeeping. These tapes would be used to restore our DASD environment in the event of a catastrophe claiming both the local and remote storage units.

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Roles and Responsibilities

The client creates the data and is responsible for establishing the appropriate security. The z/OS systems support staff is responsible for ensuring its availability.

Requesting Service

Please contact the OCIO Help Desk at (402)471-4636.

Or submit a Service Request via the Service Portal: https://serviceportal.ne.gov

Cost and Billing Information

The Office of the CIO uses Billing Accounts, Job Codes and Work Order numbers for authorizing work and tracking costs for specific projects. Customers may designate which job code and work order number to use or request a new job code and work order number. Contact the Office of the CIO for assistance with developing an accounting structure that meets the needs of the organization.

Service Expectations, Hours, Availability and Reliability

Support for storage services is available 24/7.
Customers may contact the help desk 24/7. Help can be obtained by calling 402-471-4636.

Customers can also open tickets by visiting https://ciohelpdesk.nebraska.gov/user/.

The help desk web site can be accessed at http://www.cio.nebraska.gov/tech_serv/help_desk.

For further information, please contact:
The Office of the CIO Service Desk

Request this Service: https://serviceportal.ne.gov

402-471-4636 or 800-982-2468