



# DLM CONTROL CENTER (DCC)

## Overview

The DLM Control Center (DCC) facilitates the setup and operation of the EMC Disk Library for mainframe (DLm), as well as the earlier Bus-Tech Mainframe Data Library (MDL). It was developed utilizing existing DTS technology including components of Allocation Control Center (ACC), Monitor (MON) and EASY/Exit.

The effect of DCC will provide users with an easier setup, operation and management of their DLm, as well as a more efficient tape migration process and load balancing optimization.

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## Components

DCC includes five related components that provide a full range of features designed to help in providing smooth and efficient installation, operation, and exploitation of one or more VTEs.

- **Management Director** provides a robust and easy-to-use command and monitoring interface for the DLm. Commands and queries can be issued directly to the DLm via a graphical interface, ISPF/TSO, z/OS system consoles, batch jobs, and even Apple iPhone/iPad. The Management Director Monitor includes an SNMP and channel interface to capture DLm events and to provide notifications via logs, messages, email, etc.
- **Allocation Director** ensures that tape mount requests are automatically directed to the proper DLm or non-DLm unit, eliminating the need for OAM or SMS-management of DLm tapes, and eliminating the need for JCL changes. The Allocation Director also provides policies for scratch, multivolume, and unit-affinity requests to the DLm.
- **Migration Manager** automates and manages the migration of tape libraries via the DLMCLONE program to clone tapes to a DLm library. The Migration Manager updates the DLm inventory automatically, making exact volume copies so that tape management system updates are not required.
- **Load Balancer** optimizes performance and eliminates bottlenecks, hot spots, and inefficiencies that can occur when multiple VTEs are present. The Load Balancer provides device selection algorithms that automatically allow mount requests to be spread across multiple nodes.
- **Library Management Utility** provides an interface to easily allow direct batch updates to virtual tapes in a DLm. The Library Management Utility includes functions such as SCRATCH/UNSCRATCH, ERASE, DELETE, and others which operate directly on the DLm inventory.



## **Benefits**

DCC provides a wide range of benefits that will ultimately allow installations to more effectively install, implement and manage the DLm. These include:

### **Robust Command and Monitoring Interface**

- Modern, efficient and familiar interface
- ISPF/TSO, GUI, z/OS system console, batch, iPhone/iPad
- Capture DLm events via an SNMP and channel interface

### **Advanced Intelligent Device Selection**

- Allocation Control ensures proper device selection
- Eliminates the need for JCL changes
- Eliminates the need for OAM or SMS management of DLm tapes
- Provides policies for scratch, multivolume and unit-affinity requests

### **Efficient Transition via Migration Manager**

- Automates and manages the migration of tape libraries
- Unique 'cloning' technology for maximum accuracy & effectiveness
- NO updates to TMS required
- Provides simplicity to complex issues

### **Load Balancing Optimization**

- Optimizes performance for multi-node VTEs
- Automated via a device selection algorithm

## **Design Support**

- Designed for IBM z/OS, Hitachi VOS3 and Fujitsu MSP
- Designed for the Virtuent 6 (DLm 2.x) and Virtuent 7 software releases
- Virtuent 7 is required for monitoring a VTE through the channel interface



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