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IBM Virtualization Engine TS7700 with R 2.0 IBM TS7700 Release 3.3 IBM TS7700 Release 5.2.2 Guide What is New in DFSMSrmm MVS JCL COBOL COBOL COBOL

## IBM Virtualization Engine TS7700 with R 2.0

2012-02-20

this ibm redbooks publication highlights ts7700 virtualization engine release 2.0 it is intended for system architects who want to integrate their storage systems for smoother operation the ibm virtualization engine ts7700 offers a modular scalable and high performing architecture for mainframe tape virtualization for the ibm system z environment it integrates 3592 tape drives high performance disks and the new ibm system p server into a storage hierarchy this storage hierarchy is managed by robust storage management firmware with extensive self management capability it includes the following advanced functions policy management to control physical volume pooling cache management dual copy including across a grid network copy mode control the ts7700 virtualization engine offers enhanced statistical reporting it also includes a standards based management interface for ts7700 virtualization engine management the new ibm virtualization engine ts7700 release 2.0 introduces the next generation of ts7700 virtualization engine servers for system z tape ibm virtualization engine ts7720 server model veb ibm virtualization engine ts7740 server model v07 these virtualization engines are based on ibm power7 technology they offer improved performance for most system z tape workloads compared to the first generation of ts7700 virtualization engine servers

## IBM TS7700 Release 3.3

2017-04-11

note the ibm ts7700 release 4.0 guide sg24 8366 is available at redbooks.ibm.com/abstracts/sg248366.html ibm ts7700 is a family of mainframe virtual tape solutions that optimize data protection and business continuance for ibm z systemstm data through the use of virtualization and disk cache the ts7700 family operates at disk speeds while maintaining compatibility with existing tape operations its fully integrated tiered storage hierarchy takes advantage of both disk and tape technologies to deliver performance for active data and best economics for inactive and archive data this ibm redbooks publication describes the ts7700 r3.3 architecture planning migration implementation and operations the latest ts7700 family of z systems tape virtualization is offered as two models ibm ts7720 features

encryption capable high capacity cache that uses 3 tb sas disk drives with raid 6 which can scale to large capacities with the highest level of data protection ibm ts7740 features encryption capable 600 gb sas drives with raid 6 protection both models write data by policy to physical tape through attachment to high capacity high performance ibm ts1150 and earlier ibm 3592 model tape drives that are installed in ibm ts3500 tape libraries physical tape support is optional on ts7720 ts7700 r3 3 also supports external key management for disk based encryption by using ibm security key lifecycle manager this book intended for system architects who want to integrate their storage systems for smoother operation

## ***IBM TS7700 Release 5.2.2 Guide***

2022-07-07

this ibm redbooks publication covers ibm ts7700 r5 2 the ibm ts7700 is part of a family of ibm enterprise tape products this book is intended for system architects and storage administrators who want to integrate their storage systems for optimal operation building on 25 years of experience the r5 2 release includes many features that enable improved performance usability and security highlights include ibm ts7700 advanced object store an all flash ts7770 grid resiliency enhancements and logical worm retention by using the same hierarchical storage techniques the ts7700 ts7770 and ts7760 can also off load to object storage because object storage is cloud based and accessible from different regions the ts7700 cloud storage tier support essentially allows the cloud to be an extension of the grid as of this writing the ts7700c supports the ability to off load to ibm cloud object storage amazon s3 and rstor this publication explains features and concepts that are specific to the ibm ts7700 as of release r5 2 the r5 2 microcode level provides ibm ts7700 cloud storage tier enhancements ibm ds8000 object storage enhancements management interface dual control security and other smaller enhancements the r5 2 microcode level can be installed on the ibm ts7770 and ibm ts7760 models only note the latest release 5 2 was split into two phases r5 2 phase 1 also referred to as and r5 2 phase 2 and r ts7700 provides tape virtualization for the ibm z environment off loading to physical tape behind a ts7700 is used by hundreds of organizations around the world tape virtualization can help satisfy the following requirements in a data processing environment new and existing capabilities of the ts7700 5 2 2 release includes the following highlights eight way grid cloud which consists of up to three generations of ts7700 synchronous and asynchronous replication of virtual tape and tct objects grid access to all

logical volume and object data that is independent of where it exists an all flash ts7770 option for improved performance full advanced object store grid cloud support of ds8000 transparent cloud tier full aes256 encryption for data that is in flight and at rest tight integration with ibm z and dfsms policy management ds8000 object store aes256 in flight encryption and compression regulatory compliance through logical worm and lworm retention support cloud storage tier support for archive logical volume version and disaster recovery optional integration with physical tape 16 gb ibm ficon throughput that exceeds 5 gbps per ts7700 cluster grid resiliency support with control unit initiated reconfiguration cuir support ibm z hosts view up to 3 968 common devices per ts7700 grid ts7770 cache on demand feature that is based capacity licensing ts7770 support of ssd within the ved server the ts7700t writes data by policy to physical tape through attachment to high capacity high performance ibm ts1160 ibm ts1150 and ibm ts1140 tape drives that are installed in an ibm ts4500 or ts3500 tape library the ts7770 models are based on high performance and redundant ibm power9tm technology they provide improved performance for most ibm z tape workloads when compared to the previous generations of ibm ts7700

## What is New in DFSMSrmm

2022-10-10

dfsmsrmm is an ibm z os feature that is a fully functioning tape management system to manage your removable media in the last decade many enhancements were made to dfsmsrmm this ibm redbooks publication is intended to help you configure and use the newer functions and features that are now available discussion of the new features is included along with use cases hints and tips of various common dfsmsrmm problems and useful configuration and reporting jcl also are included this publication is intended as a supplement to dfsmsrmm primer sg24 5983 which is still the recommended starting point for any users new to dfsmsrmm

## MVS JCL

2010-03

IBM z/OS JCL for COBOL and SQL

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