



## INTRODUCING...

**CLOUDVTB Version 1.0 Available May 2017.** *(Currently Available for Beta Testing.)*

### **A New Storage Tier for Mainframe Tape Data Sets...Allowing you to Reduce Your Long Term Tape Retention Costs.**

CLOUDVTB will protect your physical/virtual tape files and dramatically reduce your cost by copying these files to less expensive Private/Public Cloud tiers: Private Cloud (NFS Server) and/or Public Cloud. The volume of long-term data that needs to be maintained keeps growing, CLOUDVTB will allow you to **Reduce Costs** by moving the data to less costly storage tiers.

*Since CLOUDVTB creates the tape copy in a generic format, you can upload files from older tape drives and later restore, if needed, to newer tape equipment; enabling you to eliminate the older hardware and the cost associated with managing it.*

CLOUDVTB files can be maintained in multiple locations with a Cloud service provider to maximize recoverability and to meet your Service Level Agreements (SLAs).

**LUNCH & LEARN  
DISCUSSION ON  
CLOUDVTB**

**JOIN US @ SHARE IN SAN JOSE, CA  
TUESDAY, MARCH 7, 2017  
12:30 PM • ROOM 212C**

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## **CLOUDVTB Resources**

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**CLOUDVTB product page**

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*continued...*

## IAM Version 9.3/01 is Now Available

### Dynamic REORG Increases Application Availability and Provides a Significant Reduction in CPU and Elapsed Time.

IAM Version 9.3/01, in conjunction with FDRREORG Version 5.4/85 or higher, greatly improves reorganization processing for IAM Enhanced Format Data Sets.

The IAM Dynamic Reorganization feature provides two new capabilities that dramatically reduce the amount of time IAM data sets are unavailable for online processing. The first is a new reorganization technique that **reduces wall clock and CPU time** to reorganize IAM data sets, particularly those with a significant amount of overflow area usage. The second is the ability to carry out the high performance reorganization while the data set *continues to be available* for CICS online system processing. This process then temporarily closes the file to CICS, quickly performs the updates to the new reorganized copy that occurred during the reorganization, and reopens the file to CICS. The data set is unavailable to CICS only for the few seconds that it takes to close, update, rename, and reopen.

### Performance Example

To demonstrate the benefits, a benchmark was done on an IAM file with an alternate index versus the equivalent VSAM file. The file had following characteristics:

- Record Length of 325 bytes
- Key Length of 43 bytes
- Alternate Key Length of 52 bytes
- Loaded with 9,000,000 records, followed by a batch job insertion of 500,000 records
- At time of reorganization, the file had 9,506,269 records

The results are shown below for the different reorganization scenarios indicating the amount of time the **data set would be unavailable to CICS**:

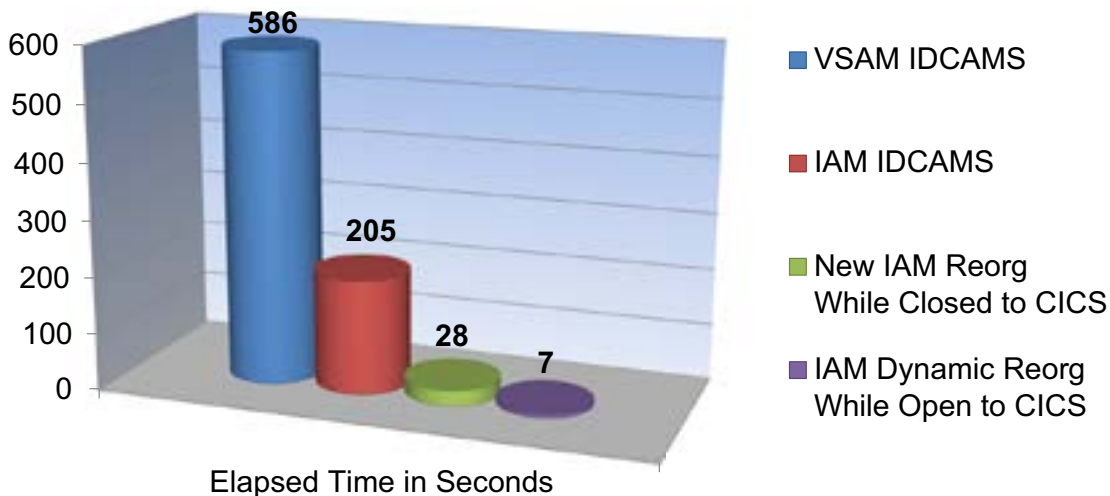
#### TRADITIONAL

- Standard IDCAMS Reorganization of VSAM data set: 9 Minutes, 46 Seconds
- Standard IDCAMS Reorganization of IAM data set: 3 Minutes, 25 Seconds

#### NEW

##### With the NEW IAM DYNAMIC REORG Feature

- New IAM Reorganization of IAM data set: 28 Seconds
- Dynamic Reorganization of IAM data set while Open to CICS: 7 Seconds



continued...

## DYNAMIC REORGANIZATION OF IAM DATASETS

Whether you choose to use the new reorganization facility in a manner similar to the existing reorganization processing of closing the file under CICS, or the Dynamic Reorg process that reduces data set unavailability to a few seconds, the new reorganization process provides substantial benefits.

### Dynamic Reorganization Resources

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## LATEST PRODUCT RELEASE INFORMATION

[Click HERE](#) to review the latest versions of each Innovation product and the minimum releases required for z/OS 2.1 and z/OS.2.2. Link will be updated in 3rd quarter 2017 for the requirements for z/OS 2.3.

PRODUCT	z/OS 1.13 Minimum	z/OS 2.1 Minimum	z/OS 2.2 Minimum	Latest Version
FDR	V5.4/78	V5.4/78	V5.4/80	V5.4/85
COMPAKTOR	V5.4/78	V5.4/78	V5.4/80	V5.4/85
ABR	V5.4/78	V5.4/78	V5.4/80	V5.4/85

[Click HERE](#) to review the End of Support Dates for Innovation Products (EOS).

PRODUCT	VERSION(s)	EOS
FDR/CPK/ABR	V5.4/74 and 5.4/76	December 31, 2014
FDRCRYPT/FDREPORT	V5.4/78	September 30, 2017
FDRVIEWS/FDRINSTANT	V5.4/80	December 31, 2017
FDRDRP/FDRSOS		



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