

IBM Trademarks:		
IBM	CICS	
ACF/VIAM CICS Transaction Server	CICS/ESA CICS/VSE	
for OS/390	CICS/TS	
Common User Access S/390	OPC	
VSE/ESA		



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Abstract

Automate your VSAM recovery procedures with the new enhancements to CICSVR/VSE! Release 2 provides new support for CICS TS as well as ongoing support for CICS/VSE V2R3. Set up CICS to automatically call the CICSVR archive utility to copy your journal and to create a summary report on all the VSAM files on that journal. Use this report to create a CICSVR forward recovery job and/or a CICSVR backout job. In most cases, CICSVR forward recovery is needed when a user has deleted or changed his/her VSAM file and wants to get an earlier version of the file. CICSVR backout is needed when an online CICS TS backout has failed (CICSVR backout is only supported for CICS TS).















STEP 2.	Decision: Jour	nal to disk or tape?
	Disk	Tape *3
MOUNTs/ Interventions	NO *1	YES
Number of devices	ок	Limited
Write Performance	ок	Immediate WRITEs to 3480/3490 is very limited in performance
Storage Suitability	Not suited for long term but OK with Archive to tape	Suited for long term
Archiving	Needed and *2	Not needed, but *2
 *1) If JOUROF and will be *2) CICSVR rel and provid *3) Using an I 	PT PAUSE set, operator e switched. blocks the journal (for fa des an archive report wi BM 3494 VTS eliminates	response needed when journal is full aster forward recovery when needed) th important VSAM file information.























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Get set...Practice

You're all set! Let's do a practice run. Here's what we'll do:

- 1. Restore the backup copy of the VSAM file, CICSVR.TEST1
- 2. Review the CICSVR archive reports to find out:
 - Which journals contain the after-images for CICSVR.TEST1.
 - How many journals are needed.
 - The FCTNAME associated with the CICSVR.TEST1 file.
- 3. Run a CICSVR forward recovery job to apply the after-images from the forward recovery journal copy to the restored VSAM sphere, CICSVR.TEST1
- 4. Run a CICSVR backout job to remove all uncommitted changes to CICSVR.TEST2.



		10311		nive re	port:		
CICSVR	- ARCHIVE UTILIT	Y					
ARCHIV	E STATISTICS FOR	A CICS/TS J	OURNAL				
CICS VE FIRST T	RSION :3 ME :00.1	59 14:15:30					
LAST TI	vi⊨ :00.1	59 17:23:28					
VSAM D	ATA SET STATISTI	cs					
VSAM D		=== DATE/TIN FIRST R	NE OF	DATE/TIME C)F RENCE		
CICSVR.	TEST1 TEST2	00.159 14	:19:23 :21:37	00.159 16:47:1 00.159 17:23:2	 18 27		
TIE-UP \$	STATISTICS						
FCT NAME	DATE/TIME OF TIE-UP RECORD	FCT FORMAT	BASE DATA	A SET NAME	PATH DATA	SET NAME	
BASE1	00.159 14:19:23	FIX	CICSVR.TES	5T1			

CICSVE	- ARCHIVE UTILITY	(()	
REDO F	ILE ID WITHOUT TIE	-UPS			
FCT NAME	DATE/TIME OF FIRST REFERENC	DATE/TIME OF E LAST REFEREN	CE		
BASE3	 00.159 14:17:33	00.159 14:38:21			
BACKO	UT FAILING LOG RE	CORDS FOUND			
BASE D	ATA SET NAME	DATE/TIME OF	RECORD TYPES MISSING		
CICSVR		 00.159 17:23:27	NONE		







