

How Check-Printers used GENIOS as an alternative to tape



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Introduction

- ✓ What led to a need for an alternative?
- ✓ Why did Check-Printers choose GENIOS as this alternative?

What was the situation that caused Check-Printers to need an alternative

Our shop receives many files from many clients. The file process flow started with a backup to tape as an archive. This archival process led to a large inventory of 3490 cartridges. We were faced with the addition of 3600 cartridges to add a new client to the process so considering the inefficiencies of our approach to doing backups of these small files the decision was to change the medium.

Why did Check-Printers decide to use GENIOS as an alternative to tape?

- ✓ Check-Printers had already been using Genios for about 3 years with great success to move data files to and from the network.
- ✓ We move thousands of data and spool files 'to' and 'from' the network. As in all shops our 'lifeblood' is getting data to where applications require it. This is millions of records, gigabytes of data, 24 X 7.

Was there a lot of work in making this change?

- ✓ 'Not really' since all of you are quite familiar with the jcl needed to access tape I will just address what that jcl looks like with Genios.

Tape backup JCL

```
// JOB MBAURTP  BACKUP AURORA MBFILE
*  LOADING &PARM2 MB&PARM1 BACKUP TO TAPE
// DLBL TAPEOUT,'CTC01,D:\BACKUPS\AURORA\-'
// DLBL TAPEOUT,'&PARM2\MB&PARM1..NNN;BN'
// DLBL DISKIN,'MONTHLY.BILL.&PARM1',N,K,T=1000
// EXEC COPYGENI,SIZE=AUTO
INPUT UFILE DISKIN,SEQD,18720,1040
OUTPUT UFILE TAPEOUT,TAPE,18720,1040
/*
/&
```

TAPE file restore

```
// JOB MBAURSTR  RESTORE AURORA MBFILE
* LOADING &PARM2 MB&PARM1 BACKUP TO DISK
// DLBL TAPEIN,'CTC01,D:\BACKUPS\AURORA\-'
// DLBL TAPEIN,'&PARM2\MB&PARM1..NNN;BN'
// DLBL DISKOT,'MONTHLY.BILL.&PARM1',N,K,T=1000
// EXEC COPYGENI,SIZE=AUTO
INPUT UFILE TAPEIN,TAPE,18720,1040
OUTPUT UFILE DISKOT,SEQD,18720,1040
/*
/&
```

OUTCOME

- ✓ Operations was so pleased that tapes would not be part of the new clients processing that a project was requested to modify existing work flows. This project led to 3600 more cartridges being taken out of the inventory.

Conclusions

- ✓ Genios has proven to be an excellent tool to move backup files to the network. It offers powerful organizational control over which network folders are used, meaningful names for the files, and expiry processing.

VSAM Backups

```
// JOB GENIVSBK
// DLBL TAPE,'D:\BACKUPS\VDIF8A.?D,SYS=005;B' ,,,BLKSIZE=32000
// ASSGN SYS005,30F
// DLBL IJSYSUC,'VDIF81.USER.CATALOG',,VSAM
// EXEC IDCAMS,SIZE=AUTO
  BACKUP (*) STDLABEL(TAPE)
/*
/&
```

VSAM Restores

```
// JOB VSAMROEM
// DLBL TAPE,'D:\BACKUPS\OEMPRD.?D,SYS=004;B',,,BLKSIZE=32000
// ASSGN SYS004,30F
// DLBL IJSYSUC,'CHKPRT.USER.CATALOG',,VSAM
// EXEC IDCAMS,SIZE=AUTO
  RESTORE OBJECTS(CODE1T.* VOLUMES(DSK84F)) STDLABEL(TAPE)
/*
/ &
```