

Team SYS-ED

From:	Bennett, Robert <robert.bennett@cgi-ams.com>
To:	David Silverberg <dsilverberg@sysed.com>
CC:	
Sent:	2006/09/11 Mon AM 11:26:42 EDT
Subject:	VSAM Performance Improvements

Dave,

We are already benefiting from your training.

Thanks

Bob

From: Starkey, Charles
Sent: Friday, September 08, 2006 4:09 PM
To: Angel, Jordan; Gokinayeva, Karolina; Gamba, Louis; Capelan, Roberto; Starkey, Kevin; Ramos, Edward; Bennett, Robert
Cc: Starkey, Charles
Subject: Ooooooops

I have a program that we would run periodically and it would run for about an hour. I changed the JCL to include non default buffering and ran the job again and it ran in 4 minutes. Here is the JCL before and after so you can see what I changed. I didn't just grab numbers out of the air (I used the LISTCAT function to get an idea of what to use). If you want the details let me know.

With my change it ran in 4 minutes. It executed 13,576 EXCP's (IO's). Without my change it ran in 56 minutes. It executed 245,880 EXCP's (IO's).

Before JCL:

```
14.33.55 JOB00817 ---- FRIDAY,      08 SEP 2006 ----
14.33.55 JOB00817  IRR010I  USERID PVBCSTA  IS ASSIGNED TO THIS JOB.

14.34.17 JOB00817  ICH70001I PVBCSTA  LAST ACCESS AT 14:24:37 ON FRIDAY,
SEPTEMB

14.34.17 JOB00817  $HASP373 APRIEXTX STARTED - WLM INIT   - SRVCLASS
BATCLNTD - S

14.34.18 JOB00817  IEF403I APRIEXTX - STARTED - TIME=14.34.18

15.29.23 JOB00817  APRIEXTX   1 STEP020  APRIEXT3          -----
R0000

15.29.24 JOB00817  IEF404I APRIEXTX - ENDED - TIME=15.29.24

15.29.24 JOB00817  APRIEXTX                                     -----
```

E0J

15.29.24 JOB00817 \$HASP395 APRIEXTX ENDED

```
//APRIEXTX JOB (D0G105-00,118),'PAY PLANS      ',
//      CLASS=J,MSGCLASS=N,PRTY=10,NOTIFY=&SYSUID
//*****
//*****

//STEP020 EXEC PGM=APRIEXT3,
//
//      REGION=2048K,COND=(4,LT)
//*****

//STEPLIB DD DSN=PVB7757.TEST.LOADLIB,DISP=SHR
//SYSOUT DD SYSOUT=*
//SYSUDUMP DD DUMMY
//SRTMSG DD SYSOUT=*
//*
//* INPUT FILES:
//*

//R325PRI DD DSN=PVB7757V.CACS.P325PRI,DISP=SHR
//R327EXT DD DSN=PVB7757V.CACS.P327EXT,DISP=SHR
```

After JCL:

```
14.24.37 JOB00812 ---- FRIDAY,      08 SEP 2006 ----
14.24.37 JOB00812 IRR010I  USERID PVBCSTA  IS ASSIGNED TO THIS JOB.
14.24.37 JOB00812 ICH70001I PVBCSTA  LAST ACCESS AT 14:16:17 ON FRIDAY,
SEPTEMBER 8, 2006
14.24.37 JOB00812 $HASP373 APRIEXTX STARTED - WLM INIT - SRVCLASS
BATCLNTD - SYS BSYS
14.24.37 JOB00812 IEF403I APRIEXTX - STARTED - TIME=14.24.37
14.28.25 JOB00812 APRIEXTX 1 STEP020 APRIEXT3 -----
R0000
14.28.25 JOB00812 IEF404I APRIEXTX - ENDED - TIME=14.28.25
```

14.28.25 JOB00812 APRIEXTX
EOJ

14.28.26 JOB00812 \$HASP395 APRIEXTX ENDED

```
//APRIEXTX JOB (D0G105-00,118),'PAY PLANS      ',
//      CLASS=J,MSGCLASS=N,PRTY=10,NOTIFY=&SYSUID
//*****
//*****
//STEP020 EXEC PGM=APRIEXT3,
//
//      REGION=2048K,COND=(4,LT)
//*****
//STEPLIB DD DSN=PVB7757.TEST.LOADLIB,DISP=SHR
//SYSOUT DD SYSOUT=*
//SYSUDUMP DD DUMMY
//SRTMSG DD SYSOUT=*
//*
//* INPUT FILES:
//*
//R325PRI DD DSN=PVB7757V.CACS.P325PRI,DISP=SHR,
//      AMP=('AMORG','BUFND=40','BUFNI=10')
//*R327EXT DD DSN=PVB7757V.CACS.P327EXT,DISP=SHR
//BLSREXT DD DSN=PVB7757V.CACS.P327EXT,DISP=SHR
//R327EXT DD SUBSYS=(BLSR,'DDNAME=BLSREXT','BUFNI=1300','BUFND=10')
```