Data General Open Systems Support Newsletter

Letter From The Editor...

July 3, 1995

DG/UX 5.4R3.00 Support Window Closing 9/30/95

The DG/UX 5.4R3.00 support window will close on September 30, 1995. The superseding OS revision, DG/UX 5.4R3.10, was released on August 5, 1994. This notice applies to DG/UX 5.43R3.00, its associated Maintenance Updates, and Trusted versions. Maintenance Update 05 for DG/UX 5.4R3.00 is the final Maintenance Update for DG/UX 5.4R3.00.

Data General recommends that customers install DG/UX 5.4R3.10 at their earliest convenience, if they haven't already done so. A letter announcing the availability of DG/UX 5.4R3.10 MU02 and how to obtain a copy of this latest Maintenance Update, has been mailed to all SSS and Support Plus customers.

Pamela Vasali

Newsletter Editor

Table of Contents

SECTION 1:
Open System STRs

AV OFFICE for AViiON Systems - Americas Model: A102A

STR: NASC-19421 AV OFFICE for AViiON Systems - America   Module: N/A
ORIG-ID: U485845   Rev: 1.20

Problem Summary:

> Attempting to sort the enclosed spreadsheet results in, "Out of storage: Shell out and create space on swap device."

Answer Summary:

> As we discussed, this incident is being closed with your approval since you are no longer using AV Office and therefore is not able to test the workaround provided to you.

AV/onGO for AViiON Systems Model: A335A

STR: GER-15280 AV/onGO for AViiON Systems   Module: N/A
ORIG-ID: 4100820   Rev: 1.02

Problem Summary:

> User modify or delete not possible with running onGO services.

Answer Summary:

> This problem has been fixed in the next revision of the product, onGO V2.00 which should be available form Data General this summer 1995.

Business Basic for AViiON Systems Model: L005A

STR: SWIT-732 Business Basic for AViiON Systems   Module: N/A
ORIG-ID: MAD-950526   Rev: 1.40

Problem Summary:

> Command "read file(1,ipp), lgew(1,iw), lgew(2,iw)" returns invalid values. Workaround: "read file(1,ipp), x1, x2" , "lgew(1,iw)=x1".....

Answer Summary:

> The problem has been fixed and the fix is available in release 1.41. The problem occurred because of a bug in the reinitialization during 'run' command when executed 2nd time. The internal representation of the data had to be changed_for the fix. Hence previous 'save' files may not work correctly as-is. To solve this the customer will have to recreate 'save' files using rev. 1.41.

C++ for AViiON Systems - Multiuser Model: L018A

STR: NASC-17223 C++ for AViiON Systems - Multiuser   Module: GDB
ORIG-ID: U315240   Rev: 3.00

Problem Summary:

> Gdb under the elf environment doesn't recognize external symbol. Gdb displays 0 for an external integer address while printf() displays a legitimate address for the same integer address.

Answer Summary:

> The problem you reported is corrected in C++ Release 3.5. C++ Release 3.5 will consist of the EPC C++ compiler and EPC Interactive Debugger, edb.

C2 Trusted DG/UX Model: Q011A

STR: NASC-20273 C2 Trusted DG/UX   Module: N/A
ORIG-ID: U567258   Rev: 3.10

Problem Summary:

> Receiving 'hard error 4005002' when booting 5.4R3.10T tape.

Answer Summary:

> The error status code should be 4005007 for the hard error. It simply indicates that the floppy diskette is not in DG/UX file system format. Please remove the diskette from the floppy drive when booting, or insert a floppy diskette that has a DG/UX file system created. It is not a problem even error is printed. The error can be safely ignored.

STR: NASC-21723 C2 Trusted DG/UX   Module: N/A
ORIG-ID: U699767   Rev: 3.10

Problem Summary:

> If flow control is stopped on the master console for some reason, dump2 backups eventually hang until the flow control is enabled on the master console

Answer Summary:

> The customer will need to direct standard out as well as standard error to an explicit destination. Our investigation shows that standard out is trying to write to /dev/console. The control-s is pausing this activity which causes dump2 to hang.

DG/UX Base System for AViiON Model: Q501A

STR: EURO-618114435DG/UX Base System for AViiON   Module: N/A
ORIG-ID: EURO-61811443   Rev: 3.00

Problem Summary:

> Aviion running as BSD print server, working fine for local PCs and MV, but no output for files submitted from Tandem mainframe

Answer Summary:

> The problem you reported is fixed in lpNet(1) that will ship with DG/UX release 4.10.

STR: NASC-19791 DG/UX Base System for AViiON   Module: N/A
ORIG-ID: DE-940808   Rev: 3.00

Problem Summary:

> As part of our standard demo scenario we power off one of the AViiON servers. We have seen on many occasions that when the failed server is powered back on, the fstab file is corrupted, so the server will not boot.

Answer Summary:

> Per your agreement, this str is being closed. The behavior being experienced is expected behavior. Fstab can become corrupted if it is being updated at the time the machine is powered off.

STR: EURO-960100209DG/UX Base System for AViiON   Module: N/A
ORIG-ID: Rev: 3.10

Problem Summary:

> This incident raised in error please ignore

Answer Summary:

> opened in error

STR: GER-15323 DG/UX Base System for AViiON   Module: N/A
ORIG-ID: 2300046   Rev: 3.10

Problem Summary:

> Panic 112000002

Answer Summary:

> This bug will be fixed in the next release of Opstar.

STR: NASC-20826 DG/UX Base System for AViiON   Module: N/A
ORIG-ID: U617641   Rev: 3.10

Problem Summary:

> Problem on AV/8500's and DG/UX 5.4R3.10 using the directio option for loading Progress databases.

Answer Summary:

> We have been unable to determine or reproduce the failure reported with the information and materials provided. Recommended action would be to persue this incident with the database vendor reporting the error condition. If the problem persists and a failure in the DG/UX operating system is determined then please submit a new STR with the appropriate materials for problem reproduction.

STR: NASC-21381 DG/UX Base System for AViiON   Module: N/A
ORIG-ID: U671351   Rev: 3.10

Problem Summary:

> DGUX: 4mm tape drive unavailable for several minutes after command to write to it is finished.

Answer Summary:

> This problem is corrected in the tar module that will ship with DG/UX revision 4.10.

STR: NASC-21525 DG/UX Base System for AViiON   Module: N/A
ORIG-ID: U685730   Rev: 3.10

Problem Summary:

> For a large executable, sbrk() returns 0 instead of the actual break point while it retuns a correct value for small executable. The sbrk() returned correct value on 5.4R2.01 regardless of the executable size.

Answer Summary:

> The problem you reported is fixed in the dynamic linker that will ship with DG/UX Release 4.10.

STR: NASC-21571 DG/UX Base System for AViiON   Module: N/A
ORIG-ID: U691908   Rev: 3.10

Problem Summary:

> The expected elasped time for a setitimer system call appears to vary according to the type of aviion it is run on. We has included a sample C program to demonstrate this problem.

Answer Summary:

> Variances in setitimer() can be expected as it provides only per-process granularity. Setitimer is not recommended for this purpose. Other systems calls are provided for this purpose that provide machine granularity.

STR: NASC-21578 DG/UX Base System for AViiON   Module: N/A
ORIG-ID: U691737   Rev: 3.10

Problem Summary:

We are getting inconsistant results when using the dg_paging_info system call in a program to determine if reading or writing to a memory location will result in a segmentation fault and core dump.

Answer Summary:

The dg_paging_info call will when passed a dpi_start_address outside of the process allocated memory space, round dpi_start_address up to the next valid address in the address space and return values based on this address. When this happens, dpi_start_address will have changed when the call returns.

STR: NASC-21634 DG/UX Base System for AViiON   Module: N/A
ORIG-ID: U700729   Rev: 3.10

Problem Summary:

The lpstat command reports bad information when there is corrupted information in a printer directory under the /etc/lp/printers directory.

Answer Summary:

The problem you reported is fixed in lpstat(1) that will ship with DG/UX Release 4.10. In DG/UX release 4.10 lpstat -v will print an error message if a bad printer configuration file is encountered.

STR: NASC-21653 DG/UX Base System for AViiON   Module: N/A
ORIG-ID: U702243   Rev: 3.10

Problem Summary:

When printing a file with permission 770 and a user with supplemental group id matching the file group, lpsched will fail inidcating it cannot read the file. This only occurs when using slow filters.

Answer Summary:

The problem you reported is fixed in lpsched(1) that will ship with DG/UX Release 4.10.

STR: NASC-21655 DG/UX Base System for AViiON   Module: N/A
ORIG-ID: U698306   Rev: 3.10

Problem Summary:

Error: "Segmentation Fault - core dumped" is given when running a backup software on DG/UX revision 5.4.R3.10. This software does work on DG/UX revision 5.4.R3.00.

Answer Summary:

The core dump you reported was caused by the user passing an uninitialized pointer to the times() system call (line 662 of linktst.c). As explained in the times(2) man page, the argument to times() must point to an area of the calling process's address space that is valid and has write access.

STR: NASC-21736 DG/UX Base System for AViiON   Module: N/A
ORIG-ID: U713935   Rev: 3.10

Problem Summary:

Since upreving from 5.4R2.01 to 5.4R3.10 our 6789 printers are not functioning correctly.

Answer Summary:

The problem you reported using the model 6789 printer in ibmproprinterXL mode is a result of a software enhancement incorporated in DG/UX 5.4R2.10. There was a problem if the user mounted a form which used a lpp other than 66 the form length did not get reset to 66 when the form was unmounted. The ibmpro- printer series terminfo is2 string was enhanced to set the form length to 66.

STR: NASC-21744 DG/UX Base System for AViiON   Module: N/A
ORIG-ID: U713889   Rev: 3.10

Problem Summary:

If the BSD print spooler is used and a request is received that has the "v" flag set, then the spooler will hang, even with a "vf" program defined in the /etc/printcap file.

Answer Summary:

When the lpd(1) process appears hung it is actually waiting for the output filter specified by the of= entry in the /etc/printcap file to stop so the raster file filter specified by the vf= entry in the /etc/print-cap file can be started. The program used as the output filter does not respond to the character sequence sent by lpd(1) to stop.

STR: NASC-21763 DG/UX Base System for AViiON   Module: N/A
ORIG-ID: U715097   Rev: 3.10

Problem Summary:

Tar fails with a checksum error after there was no indication of a problem when creating the tar tape.

Answer Summary:

The tape which was received was not in a tar format. There was no tar header present which prevents tar or cpio from reading this data. This tape can be read with "dd". The file appears to be a sales report of some kind and not the expected general ledger data. Your media will be returned as soon as possible.

STR: NASC-20473 DG/UX Base System for AViiON   Module: ADMFAILOVERDI
ORIG-ID: E435281   Rev: 3.00

Problem Summary:

Failover run script fails to remount filesystems when system is rebooted.

Answer Summary:

This problem is corrected in the admfailoverdisk(1M) command which will be available with DG/UX Release 4.10.

STR: NASC-20642 DG/UX Base System for AViiON   Module: ADMFAILOVERIP
ORIG-ID: E438077   Rev: 3.10

Problem Summary:

> When the failoverip databases are synchronized, error messages are written to the /etc/failover/ap-
> plications database.

Answer Summary:

> This problem is corrected in the admfailoverip(1M) command which will ship with DG/UX Release
> 4.10. In the interim, you may work around the problem by using the admfailoverdisk(1M) command
> to synchronize the failoverip database. The command to use is "admfailoverdisk -o sync <remote_-
> host_name>.

STR: NASC-20245 DG/UX Base System for AViiON   Module: ADMPDISK
ORIG-ID: U565354   Rev: 3.10

Problem Summary:

> Free space on physical disk becomes unusable once multipath disk I/O is enabled.

Answer Summary:

> This problem is corrected in commands and libraries which will ship with DG/UX Release 4.10.

STR: NASC-20775 DG/UX Base System for AViiON   Module: ADMPDISK
ORIG-ID: U613960   Rev: 3.10

Problem Summary:

> Free space on a physical disk becomes unusable once multipath disk I/O is enabled.

Answer Summary:

> This problem is corrected in commands and libraries which will ship with DG/UX R4.10.

STR: NASC-21628 DG/UX Base System for AViiON   Module: CTIME
ORIG-ID: U699383   Rev: 3.10

Problem Summary:

> The Man Pages description for ctime_r() function does not match with the function prototype in
> time.h. The environment included DG/UX revision 5.4.R3.10.

Answer Summary:

> The problem you reported is fixed in the ctime(3C) man page that will ship with DG/Ux Release
> 4.10.

STR: EURO-618113623DG/UX Base System for AViiON   Module: FTP
ORIG-ID: Rev: 3.00

Problem Summary:

   Running ftp client from aviion using mget with a template, eg *. If interrupted with CTRL-C, and
   you try to use mget with another template eg. c* results in mget trying to continue to process the
   previous list of filenames.

Answer Summary:

   This problem is corrected in the version of the ftp command that will ship with DG/UX Release 4.10.

STR: NASC-21497 DG/UX Base System for AViiON   Module: GREP
ORIG-ID: U687281   Rev: 3.10

Problem Summary:

   Grep command hangs when reading pipe/fifo.

Answer Summary:

   This is correct behavior from the grep(1) command. If you try to grep a FIFO, grep(1) will wait on
   the FIFO for input and appear to hang. A note has been added to the DG/UX Release 4.10 grep(1)
   man page to warn users about this.

STR: NASC-21766 DG/UX Base System for AViiON   Module: HW-CPU
ORIG-ID: U713531   Rev: 3.10

Problem Summary:

   After applying Dgux_5.4r3.10.MU01 to our DG/UX 5.4R3.10 AV8560 system, the new mu01 ker-
   nel hangs after the system displays "6 processors found". The old kernel (without MU01) will boot
   successfully.

Answer Summary:

   The AV 8500 256K cache CPU is not supported in a 6 CPU configuration. Please consult with your
   Sales Representative for the recommended configuration information.

STR: NASC-20162 DG/UX Base System for AViiON   Module: HW-DISK
ORIG-ID: U560112   Rev: 2.01

Problem Summary:

   This dump is from a 53000023 system panic. The system is also experiencing slowdowns and hangs
   but no dump was submitted for those.

Answer Summary:

   This dump indicates that the disk at sd(ncsc(0),0) attempted to reconnect to the SCSI bus when it
   wasn't expected to do so. If this problem is still occurring, this disk should be replaced.

STR: NASC-21183 DG/UX Base System for AViiON   Module: IDISCHED
ORIG-ID: U643824   Rev: 3.10

Problem Summary:

When var is a separate filesystem, it will not be unmounted successfully when bringing system down from run-level 3. It will fail to unmount with an error message " Device busy".

Answer Summary:

This problem is corrected in commands which will ship with DG/UX Release 4.10.

STR: GER-15339 DG/UX Base System for AViiON   Module: KERN-DEV
ORIG-ID: 3300669-01   Rev: 3.10

Problem Summary:

Unable to overwrite any file of a tape, except file 0.

Answer Summary:

This STR is being closed as the problem that you reported is a restriction with the QIC-150 and 8mm tape drives. These two drives can write only from the beginning-of-tape (BOT) and the logical-end-of-tape (LEOT). In a future release of DG/UX there will be ioctl commands that can be issued to provide the functionality that you request.

STR: NASC-20737 DG/UX Base System for AViiON   Module: KERN-DEV
ORIG-ID: U608087   Rev: 3.10

Problem Summary:

Receive "no such device or address" message when trying to access tape in 4280 Storage Tek tape drive.

Answer Summary:

This STR is being closed as you are no longer experiencing this problem. The Storage Tek 4280 Tape drive is supported on DG/UX only on the ncsc() style of SCSI controller. The version that you purchased was supported only by the Data General Custom Products group, not by DG/UX. Please connect the drive to a ncsc() style SCSI controller, and it will work as you expect.

STR: NASC-21194 DG/UX Base System for AViiON   Module: KERN-DEV
ORIG-ID: S760545   Rev: 3.10

Problem Summary:

We have an AV9500 with 3 clariions, one of which was performing multiple rebuilds. When DGUX was booted and the svcmgr started, the system could not sync the SW mirror, and eventually reported timeouts from the SCSI I.

Answer Summary:

This problem is corrected in modules that ship with DG/UX 5.4 Release 3.10.MU02 . DG/UX was not handling the reset and recovery of SCSI devices properly. Please install this Maintainence Update as soon as possible.

STR: NASC-21213 DG/UX Base System for AViiON   Module: KERN-DEV
ORIG-ID: U639861   Rev: 3.10

Problem Summary:

> When multipath disk i/o is started, it switches 2 of the 4 disks from the primary path to the secondary path for no apparent reason.

Answer Summary:

> The switch to the secondary path occurred because of a race condition in multi-path I/O startup. This problem is much alleviated, but not corrected in DG/UX 5.4R3.10.MU02. It is not possible to completely correct this problem without slowing down multi-path disk I/O start-up unacceptably. We recommend that you install DG/UX 5.4R3.10.MU02.

STR: NASC-21229 DG/UX Base System for AViiON   Module: KERN-DEV
ORIG-ID: PHH-FIRST   Rev: 3.10

Problem Summary:

> Adding a disk to MPIO database failed. Following that, a SCSI adapter reset and was disabled.

Answer Summary:

> This problem is corrected in modules that ship with DG/UX 5.4 Release 3.10.MU02 . DG/UX was not handling the reset and recovery of SCSI devices properly. Please install this Maintainence Update as soon as possible.

STR: NASC-21235 DG/UX Base System for AViiON   Module: KERN-DEV
ORIG-ID: U656128   Rev: 3.10

Problem Summary:

> System will hang when testing multipath disk i/o if system disk and swap disk are included in the iopath.params file.

Answer Summary:

> This problem is corrected in modules that ship with DG/UX 5.4 Release 3.10.MU02 . DG/UX was not handling the reset and recovery of SCSI devices properly. Please install this Maintainence Update as soon as possible.

STR: NASC-21264 DG/UX Base System for AViiON   Module: KERN-DEV
ORIG-ID: S764159   Rev: 3.10

Problem Summary:

> System was getting numerous "cannot flush buffer" messages and finally hung.

Answer Summary:

> This problem is corrected in modules that ship with DG/UX 5.4 Release 3.10.MU02 . DG/UX was not handling the reset and recovery of SCSI devices properly. Please install this Maintainence Update as soon as possible.

STR: NASC-21294 DG/UX Base System for AViiON   Module: KERN-DEV
ORIG-ID: F-U662859   Rev: 3.10

Problem Summary:

> System hung while dgux was coming up after the system had been power-cycled to clear a hang (no dump taken) encountered while testing mpio.

Answer Summary:

> This problem is corrected in modules that ship with DG/UX 5.4 Release 3.10.MU02 . DG/UX was not handling the reset and recovery of SCSI devices properly. Please install this Maintainence Update as soon as possible.

STR: NASC-21358 DG/UX Base System for AViiON   Module: KERN-DEV
ORIG-ID: U671560   Rev: 3.10

Problem Summary:

> SCSI reset operation intermittently disables the SCSI adaptor which led to a system hang. NASC-21229 reports the same problem.

Answer Summary:

> This problem is corrected in modules that ship with DG/UX 5.4 Release 3.10.MU02 . DG/UX was not handling the reset and recovery of SCSI devices properly.
> Please install this Maintainence Update as soon as possible.

STR: NASC-21369 DG/UX Base System for AViiON   Module: KERN-DEV
ORIG-ID: D442718-BLOOM   Rev: 3.10

Problem Summary:

> After booting the system we have seen (status=4005002) errors immediately after the "Starting DG/UX Services daemon" message. If we modify the /etc/dgux.param file to dgsvcd_START="false", the system never has the problem.

Answer Summary:

> This problem is corrected in modules that ship with DG/UX 5.4 Release 3.10.MU02 . The DG/UX Services Demon was not handling device errors properly. Please install this Maintainence Update as soon as possible.

STR: NASC-21380 DG/UX Base System for AViiON   Module: KERN-DEV
ORIG-ID: S769409   Rev: 3.10

Problem Summary:

> After installing R3.10.p78, DG/UX would not size two tape drives on st(dgsc(vme(0),0),6) and st(dgsc(vme(0),1),4).

Answer Summary:

> The reported problem is corrected in DG/UX 5.4R3.10 Maintenance Update MU02. The problem was introduced as a result of an incomplete bug fix in patch dgux_5.4R3.10.p78.

STR: NASC-21387 DG/UX Base System for AViiON   Module: KERN-DEV
ORIG-ID: U659512   Rev: 3.10

Problem Summary:

SCSI bus errors cause system to hang while disks are transferred from one AViiON to another.

Answer Summary:

This problem is corrected in modules that ship with DG/UX 5.4 Release 3.10.MU02. DG/UX was not handling the reset and recovery of SCSI devices properly. Please install this Maintainence Update as soon as possible.

STR: NASC-21771 DG/UX Base System for AViiON   Module: KERN-DEV
ORIG-ID: JB-NBC-950619   Rev: 3.10

Problem Summary:

Panic 2000075 while using the tape drive.

Answer Summary:

This panic was a result of the customer running a preliminary test version of dgux_5.4R3.10.-mu02.03. The problem is corrected in MU02 for DG/UX 5.4 Release 3.10.

STR: GER-15315 DG/UX Base System for AViiON   Module: KERN-FFM
ORIG-ID: 3203789   Rev: 3.10

Problem Summary:

Filing system hang

Answer Summary:

The problem you reported has been corrected in the Flat File Management code for DG/UX Release R4.10.

STR: EURO-610000088DG/UX Base System for AViiON   Module: KERN-MPL
ORIG-ID: SYSTEM PANICS   Rev: 3.10

Problem Summary:

Various system panics 112M2, 2M75, 2M107 when switching between fddi boards using multi-path LAN. The configuration of the External VME chassis has a board in each channel of the chassis. The system panics within 20 Secs of the switch.

Answer Summary:

This problem is corrected in the version of the kernel libraries that will ship with DG/UX Release 4.10.

STR: NASC-20022 DG/UX Base System for AViiON   Module: KERN-TS
ORIG-ID: U545385   Rev: 3.00

Problem Summary:

The system intermittantly reports the following error: AV/Alert System Error: An iocb issued to the board has not been returned after a pre-set timeout on VDA255 at address e3000000 Detail: None.

Answer Summary:

The problem that you reported is due to the firmware in the model 7440 cluster boxes that you are using. Data General is pursuing this issue with the vendor of the cluster box. A "hardware trouble report" (HTR-785) has been created for you to track this problem with. As soon as a solution is available you will be notified. Thank you for your patience on this matter.

STR: NASC-21443 DG/UX Base System for AViiON   Module: KERN-UAC
ORIG-ID: U680070   Rev: 5.43

Problem Summary:

Panic 2000110 has occurred twice during the past 30 days.

Answer Summary:

Panic condition is resolved in uac.a that ships with dgux_5.4R3.00.p148 and dgux_5.4R3.10.p117.

STR: NASC-20485 DG/UX Base System for AViiON   Module: KERN-UC
ORIG-ID: E437106   Rev: 3.00

Problem Summary:

When doing a remote upgrade to R3.00 via AV/Alert modem, we boot the cd, but we don't see anything on the modem and if it didn't boot. If you wait long enough you will finally see INIT SINGLE USER MODE.

Answer Summary:

This problem will be corrected in modules that will ship with DG/UX R4.10. This problem was actually a firmware problem on the AV6240 class of systems. AV6240 firmware revision 9.40 corrects the firmware problem that prevented the remote console from being used during booting. DG/UX R4.10 will check for the needed firmware revision and will use the remote console during booting.

STR: EURO-619303685DG/UX Base System for AViiON   Module: KERN-VDEV
ORIG-ID: MIRROR RESYNC   Rev: 3.10

Problem Summary:

System has hung whilst resynching mirrors. Mirrors had been fractured, to do a backup. This problem was supposedly fixed by p52 of 5.4R3.10.

Answer Summary:

The problem you reported has been fixed in the OSM implementation that will be released with DG/UX Release R4.10.

STR: INTL-1155 DG/UX Base System for AViiON   Module: KERN-VDEV
ORIG-ID: BEL95005   Rev: 3.10

Problem Summary:

    System hangs.

Answer Summary:

    The problem you reported has been fixed in the OSM implementation that will be released with DG/
    UX Release R4.10.

STR: NASC-20917 DG/UX Base System for AViiON   Module: KERN-VDEV
ORIG-ID: U625448   Rev: 3.10

Problem Summary:

    After installing a new application 'Mnet Talk', our system process table was overloaded with 'de-
    funct' processes.

Answer Summary:

    The problem reported has been fixed in the OSM implementation that will be released with DG/UX
    Release R4.10.

STR: NASC-21117 DG/UX Base System for AViiON   Module: KERN-VDEV
ORIG-ID: JB-COMPUCARE   Rev: 3.10

Problem Summary:

    During mirror resync of large filesystems users will "hang"; touching the filesystems (eg/ df -k) from
    the master will lock the system.

Answer Summary:

    The problem you reported has been fixed in the OSM implementation that will be released with DG/
    UX Release R4.10.

STR: NASC-21169 DG/UX Base System for AViiON   Module: KERN-VDEV
ORIG-ID: Rev: 3.10

Problem Summary:

    System spdc96 hangs frequently and also appears to have file corruption.

Answer Summary:

    The problem you reported has been fixed in the OSM implementation that will be released with DG/
    UX Release R4.10.

STR: NASC-21349 DG/UX Base System for AViiON   Module: KERN-VDEV
ORIG-ID: S767961   Rev: 3.10

Problem Summary:

     Earlier in the day, DG1 hung due to a bad program apparently forcing init to do a shutdown. About 2 1/2 hours later, a file system started causing problems, and the system was inoperative.

Answer Summary:

     The problem you reported has been fixed in the OSM implementation that will be released with DG/UX Release R4.10.

STR: NASC-21391 DG/UX Base System for AViiON   Module: KERN-VDEV
ORIG-ID: U672280   Rev: 3.10

Problem Summary:

     System hung while s/w mirrors were synchronizing.

Answer Summary:

     The problem you reported has been fixed in the OSM implementation that will be released with DG/UX Release R4.10.

STR: NASC-21605 DG/UX Base System for AViiON   Module: KERN-VM
ORIG-ID: U695734   Rev: 3.10

Problem Summary:

     Our AV8500 running DG/UX 5.4R3.10.mu01 (plus additional patches), experienced a DG/UX System panic 2000105.

Answer Summary:

     An error in an internal VM list structure could cause under certain conditions the 2000105 panic seen in this case. This has been correct in revision 4.10 of DG/UX.

STR: NASC-20888 DG/UX Base System for AViiON   Module: KERN-VMC
ORIG-ID: U625928   Rev: 3.10

Problem Summary:

     System node name "kt" panicked with a 57000073. The "cpio" process running as VP 106 on JP0 took the panic. The process was attempting to close a scsi tape device and write the logical end-of-tape mark when the process page faulted.

Answer Summary:

     A patch was provided to the customer (dgux_5.4R3.10.p110) & a R4.10 enhancement has been made to address the issue of the kernel panicing on a time out from a swap device during a kernel page fault operation.

STR: EURO-619105764DG/UX Base System for AViiON   Module: KERNEL
ORIG-ID: Rev: 3.00

Problem Summary:

> Panics 57000073 and 41000004 on AV4020 (16MHz twin proc.) running DG/UX 5.4R3.0 with MU03.

Answer Summary:

> This problem has not been seen since the motherboard on the system was changed. Since these panics could easily have been caused by a faulty hardware component, we believe the problem is resolved. If the panics recur, please submit another problem report.

STR: FRA-1192 DG/UX Base System for AViiON   Module: KERNEL
ORIG-ID: 83-236   Rev: 3.00

Problem Summary:

> System hang several times a day with the message "ldterm: out of blocks"

Answer Summary:

> This incident was caused by loading a 5.4R3.10 patch onto a 5.4R3.00 system. Patch dgux_5.4R3.10.p100 should not have been installed on the system. Backing out of this patch will be necessary to restore the system to its proper operating state.

STR: GER-15278 DG/UX Base System for AViiON   Module: KERNEL
ORIG-ID: 3102018   Rev: 3.10

Problem Summary:

> DGUX PANIC 2000075

Answer Summary:

> A bit flip occured in one of the instructions being executed. The flip caused a mask instruction to become a branch instruction thus causing the kernel to jump to an invalid address. There may be bad hardware at fault on the board containing JP0. Recommend replacing the board. In addition, make sure that ECO BN88 is installed on the system.

STR: INTL-1158 DG/UX Base System for AViiON   Module: KERNEL
ORIG-ID: 66VIE950KJ   Rev: 3.10

Problem Summary:

> Intermittent system hangs, no input/output on Master console possible.

Answer Summary:

> The customer has taken the advice of DG Support Services and reconfigured the system to resolve the hangs that were occurring. As the customer seems pleased with the working of the system, this STR is being closed. However, it is being reopened internally to be further examined in order to prevent such an occurrence from recurring.

STR: NASC-20335 DG/UX Base System for AViiON   Module: KERNEL
ORIG-ID: U571121   Rev: 3.10

Problem Summary:

    System will hard hang after 8mm tape drive experiences an i/o error.

Answer Summary:

    As we discussed in our telephone conversation, we are closing this STR because you are no longer experiencing this problem. If the problem resurfaces, please open a new STR, referencing this STR number.

STR: NASC-21295 DG/UX Base System for AViiON   Module: PR
ORIG-ID: U665295   Rev: 3.10

Problem Summary:

    We have found a problem with the pr(1) command in that it does not properly handle an octal 0377 character.

Answer Summary:

    The problem you reported is fixed in the pr(1) command that will ship with DG/UX Release 4.10.

STR: NASC-21030 DG/UX Base System for AViiON   Module: REELEXCHANGE
ORIG-ID: U630476   Rev: 3.10

Problem Summary:

    Reelexchange commands (tlabel, twrite, etc.) do not report errors when encountering write protected tapes.

Answer Summary:

    The problem which you reported is fixed in the version of Reelexchange that will ship with DG/UX Revision 4.10.

STR: NASC-20958 DG/UX Base System for AViiON   Module: SYACLOAD
ORIG-ID: Rev: 3.00

Problem Summary:

    The Systech 79xx clusters boxes need the abilty to be down loaded. Currently DGUX does not support this feature on this newer cluster boxes. This will eliminate replacing PROMS in the field when updated Systech code is needed.

Answer Summary:

    The enhancement that you requested will not be implemented at this time. This is a hardware problem that you may track via the hardware trouble report HTR-785. Thank you for your suggestion.

STR: NASC-20028 DG/UX Base System for AViiON   Module: TERMINFO
ORIG-ID: U548928   Rev: 3.00

Problem Summary:

> Unable to use 132 columns on a d462+ DG terminal when the terminal is in unix mode and 132 columns. The line will wrap-around at 80 columns.

Answer Summary:

> The terminfo database entry for the D462+ terminal in unix mode with more than 80 columns is correct. The terminal itself appears to be incapable of printing past column 80. This is now being addressed as a hardware problem under hardware trouble report ALT0-782.

STR: EURO-618114029DG/UX Base System for AViiON   Module: TTYMON
ORIG-ID: AIRTOURS TTYM   Rev: 3.00

Problem Summary:

> ttymon loses tty ports, due to "Text file busy" errors. Cust has to get ttymon to re-read database to clear.

Answer Summary:

> When modifying the configuration parameters for a ttymon, it is necessary to stop and restart the ttymon so that it reads the database in which these parameters are stored. In the case you describe, increasing the value for RETRY_DELAY should resolve your problem.

STR: NASC-21619 DG/UX Base System for AViiON   Module: UNCOMPRESS
ORIG-ID: U698321   Rev: 3.10

Problem Summary:

> When using the "uncompress" utility on DGUX_5.4R3.10 to uncompress files made with the "compress" utility on DGUX_5.4R2.10 systems a core file is produced, and the compressed file is not uncompressed. This problem is reproducible.

Answer Summary:

> As we have discussed, this problem appears to be caused by a third party uncompress module, not DG/UX's. A what(1) command on the core file you sent returns a what string that is not a Data General what string. If you find a problem with DG/UX's /usr/bin/uncompress command, please submit a new STR.

STR: NASC-21451 DG/UX Base System for AViiON   Module: VTC
ORIG-ID: FGL-950418   Rev: 3.10

Problem Summary:

> System was panic'ing due to error 18 and similar "non-fatal" errors. Applied patch 70 on advice of CSC. VTC's now "hang" (have to be reloaded via tcload) with no error messages.

Answer Summary:

> As per our conversation, we are closing this STR because you are no longer experiencing this problem. If the problem resurfaces, please open a new STR, referencing this STR number.

DG/UX TCP/IP for AViiON Model: C001A

STR: NASC-21732 DG/UX TCP/IP for AViiON   Module: N/A
ORIG-ID: U712912   Rev: 3.00

Problem Summary:

   Streams error file grows large with error "000122231017 TCP_ECONNREFUSED_RST_CON-
   NECTION_DROPPED, Connection dropped with ECONNREFUSED errno; ti_flags & TH_RST
   set."

Answer Summary:

   This STR was entered inadvertently. Reference STR NASC-21734.

STR: NASC-21426 DG/UX TCP/IP for AViiON   Module: N/A
ORIG-ID: U678455   Rev: 3.10

Problem Summary:

   Patch dgux_5.4R3.10.p76 was installed. It includes p70 which "will prevent the VTC from being
   reset when encountering non-fatal errors....". A "non-fatal" error occurred but it was fatal. The VTC
   had to be reset (reloaded).

Answer Summary:

   As we agreed, this STR is being closed since you no longer experience the problem reported in this
   Software Trouble Report.

STR: NASC-21061 DG/UX TCP/IP for AViiON   Module: KERN-CIEN
ORIG-ID: E439714   Rev: 3.10

Problem Summary:

   If we enable multipath lan i/o on our AV6280 on cien0 and cien1, the primary cien will hang ater a
   few hours of uptime.

Answer Summary:

   This problem is corrected in the version of the kernel libraries that will ship with DG/UX Release
   4.10.

STR: NASC-21452 DG/UX TCP/IP for AViiON   Module: SENDMAIL
ORIG-ID: U681666   Rev: 3.10

Problem Summary:

   Option 'D' is ignored in sendmail.cf and on smtp command line.

Answer Summary:

   This problem is corrected in the version of sendmail that will ship with DG/UX Release 4.10.

STR: NASC-21656 DG/UX TCP/IP for AViiON   Module: SYSADM
ORIG-ID: U699467   Rev: 3.10

Problem Summary:

SYSADM problems when changing sections [defaults] are picked up from the previous section.

Answer Summary:

This problem is corrected in the version of sysadm that will ship with DG/UX Release 4.10.

DG/UX X Windows for AViiON Model: H001A

STR: NASC-21112 DG/UX X Windows for AViiON   Module: N/A
ORIG-ID: U643974   Rev: 3.10

Problem Summary:

A tearoff menus crashes an application and a core dump is given. The environment included DG/UX 5.4.R3.10.

Answer Summary:

This problem is corrected in the libXm modules that will ship with DG/UX revision 4.10.

STR: NASC-21746 DG/UX X Windows for AViiON   Module: N/A
ORIG-ID: U714985   Rev: 3.10

Problem Summary:

Ghost lines are occassionaly 'left behind' when moving windows on a workstation X11_5.4R3.10.p03 has been installed.

Answer Summary:

This is a known Motif problem listed in section 5.2.21, "Other Warnings" on page 32 of the X11 revision 3.10 release notice. As a workaround, you may either use screen refresh or set the resource Mwm.screen0.moveOpaque to "true".

Legato Networker for AViiON Model: Q017A

STR: NASC-20625 Legato Networker for AViiON   Module: N/A
ORIG-ID: U582699   Rev: 4.02

Problem Summary:

Newly added administrator is not propagated to all existing resources as help message implies when using the nsradmin command.

Answer Summary:

This problem has been resloved in the release of Networker which will ship with DG/UX revision 4.10.

STR: NASC-21324 Legato Networker for AViiON   Module: N/A
ORIG-ID: U657335   Rev: 4.02

Problem Summary:

   Receiving error " internal mmd error " when trying to recover some files from one of his backups.

Answer Summary:

   As per our converstation, the workaround that was provided to you was sufficient in resolving your problem.

STR: NASC-21669 Legato Networker for AViiON   Module: NSRD
ORIG-ID: U701283   Rev: 4.02

Problem Summary:

   Need Legato Networker patch unix 4.02-011 ported to DG/UX to fix backup problem with Novelle servers and AViiON server.

Answer Summary:

   The problem you experienced has been resolved by the extension which was provided to you.

Multi-extensible Debugger for Aviion SysModel: R007A

STR: NASC-21211 Multi-extensible Debugger for Aviion S   Module: N/A
ORIG-ID: E441263   Rev: 2.20

Problem Summary:

   Cannot debug a core dump with Mxdb. It is critical to debug the core dump. The environment included DG/UX revision 5.4.R3.10 and Mxdb version 2.20.

Answer Summary:

   As we discussed in our telephone conversation, we are closing this STR because you are no longer experience this problem. If the problem resurfaces, please open a new STR, referencing this STR number.

NetWare Services for AViiON Systems Model: C020A

STR: NASC-21561 NetWare Services for AViiON Systems   Module: ENGINE
ORIG-ID: U692006   Rev: 3.00

Problem Summary:

> Problems with Netware for AViiON software and Windows 95 version 4.00.347. Error: "cannot find the specified security provider on the network".

Answer Summary:

> We are aware of certain problems with using Windows 95 (and Windows NT) with NetWare for AViiON. We have been working with Novell to resolve these, but please be aware that Microsoft "reverse engineers" NetWare drivers in its products, and does not always follow correct protocols. For this reason, we can only report these problems to Novell.

NetWare Transport for AViiON Systems Model: C021A

STR: SWIT-711 NetWare Transport for AViiON Systems   Module: N/A
ORIG-ID: NIB-941201-1   Rev: 3.00

Problem Summary:

> Netware hung twice. A core file has been found in /usr/opt/netware/bin. The customer stopped netware at incident.

Answer Summary:

> We were unable to determine why the SAP process was coring, but its our understanding that you have not seen the problem recently. If the problems happens again, please resubmit the STR and we will invetigate the problem again.

STR: NASC-21481 NetWare Transport for AViiON Systems   Module: NVT
ORIG-ID: U681253   Rev: 3.00

Problem Summary:

> NFAS NVT error "INTERRUPTION INT14 UNKNOWN FUNCTION" from Procomm+ Network version for DOS 2.00.

Answer Summary:

> The behavior you have reported is the result of Procomm using an INT14 function that is not supported by NVT. NVT supports 4 specific INT14 functions. Error checking was added to the 3.00 NVT to display this error rather than just ignore the invalid function. We believe that this is the proper behavior.

OSI/Platform for AViiON Systems Model: C094A

STR: EURO-615303642OSI/Platform for AViiON Systems   Module: N/A
ORIG-ID: RFC1006 TOUTS   Rev: 3.30

Problem Summary:

> Software house (Boldon James) gets TOUTSTATE when they t_unbind a session using TLI interface to RFC1006. See READ_ME in on-line materials for details.

Answer Summary:

> On DG/UX TLI when the endpoint becomes disconnected, the addressing information is cleared, forcing it to enter the UNBOUND state.

OpStar Opt. Disk JB Pkg Model: A227A

STR: EURO-616506354OpStar Opt. Disk JB Pkg   Module: N/A
ORIG-ID: OPSTAR CORE D   Rev: 2.01

Problem Summary:

> Opstar 2.01.p01, when doing a vlexport, the disk is exported and removed from the mail slot immediately but then error message 'Bus Error - core dumped' is displayed on the screen. Intermittant problem.

Answer Summary:

> This problem has been fixed in the next release of Opstar.

STR: EURO-616506355OpStar Opt. Disk JB Pkg   Module: N/A
ORIG-ID: PLTTR EXPORT   Rev: 2.01

Problem Summary:

> Opstar 2.01.p01, If exporting a platter from the jukebox and its not removed from the mail slot in given time then a hard error is returned. Doing a power cycle of the Jukebox results in error 22 on the front panel.

Answer Summary:

> This bug has been fixed in the next release of Opstar.

STR: EURO-6165063560pStar Opt. Disk JB Pkg   Module: N/A
ORIG-ID: VLIMPORT DELA   Rev: 2.01

Problem Summary:

OpStar 2.01,when doing command 'vlimport /dev/jb 'pltr'', if the platter is not inserted in the given time period then command returns a hard error and the jukebox hangs. Repeat of command wont work, only power cycle of j/box corrects.

Answer Summary:

This bug has been fixed in the next release of Opstar.

STR: INTL-1174 OpStar Opt. Disk JB Pkg   Module: N/A
ORIG-ID: SYCOM-950612   Rev: 2.01

Problem Summary:

Removal of several files from the Volume-Set that we have mounted, but the available space doesn't restitute.

Answer Summary:

This problem will be fixed in the next release (Opstar 2.4). The ability to reclaim space is a feature that was available in Opstar 2.0, but only in a limited capacity as stated in the release notice.

OpStar Optical Disk Driver 1.50 Model: A228A

STR: GER-15300 OpStar Optical Disk Driver 1.50   Module: N/A
ORIG-ID: 3203593   Rev: 2.00

Problem Summary:

mofs device canot be deconfigured

Answer Summary:

This support will be available in the next release of Opstar.

SDLC for AViiON Systems Model: C010B

STR: NASC-21199 SDLC FOR AViiON SYSTEMS   Module: N/A
ORIG-ID: U654660   Rev: 3.00

Problem Summary:

A DG/UX system panic number 42000014 occurred under DG/UX 5.4R3.00.mu04 with dgux_5.4R3.00.p128.

Answer Summary:

This problem is fixed in patch level sdlc_3.20.2. We understand that you have installed and successfully tested the replacement sdlc that we provided to you.

SNA for AViiON Systems Model: C011B

STR: GER-15336 SNA FOR AVIION SYSTEMS   Module: N/A
ORIG-ID: RKW0523   Rev: 4.00

Problem Summary:

> SNA adjacent link station will become active upon CONNOUT, however remote station will remain VARY ON PENDING and after some time become VARY OFF.

Answer Summary:

> This problem is fixed in patch level snalan_3.10.5.

SNA RJE for AViiON Systems Model: C013B

STR: NASC-21687 SNA RJE FOR AVIION SYSTEMS   Module: N/A
ORIG-ID: U701999   Rev: 4.00

Problem Summary:

> Time stamp is not appended to the file name created when using PDIR.

Answer Summary:

> A time stamp is not being appended to the output file name when PDIR is used because the time stamp received from the host in the PDIR is not in hh:mm:ss format. Since the hh and mm fields contain spaces, SNA RJE assumes the time is not provided in the PDIR. Therefore, it will not append a time stamp to the output file.

TermServer SW TCP/IP w/SNMP Model: 30071

STR: SWE-826 TermServer SW TCP/IP w/SNMP   Module: N/A
ORIG-ID: NCC TORE ITC   Rev: 3.37

Problem Summary:

> ITC took a 34777 panic and could not reboot.

Answer Summary:

> The 34777 panic occurred because the 3COM side of the ITC (the LAN side) ran out of memory. It is suspected that it ran out of memory while it was processing a flood of network traffic. Too much traffic came in, using memory for buffers to handle that traffic, before all the data could be moved to the MV. A sniffer would help isolate the source of the extraneous traffic.

Tuxedo System/T for AViiON Systems Model: Q013A

STR: NASC-21267 Tuxedo System/T for AViiON Systems   Module: N/A
ORIG-ID: U661002   Rev: 4.21

Problem Summary:

     Tuxedo workstation handler occasionally core dumps after uprevving to DGUX 3.10/MU01.

Answer Summary:

     This problem appeared to be a result of excessive network collisions. After you modified DG/UX kernel parameters to reduce these collisions, the problem was no longer an issue.

Uniplex II Plus - Americas Model: A020B

STR: EURO-70125 Uniplex II Plus - Americas   Module: N/A
ORIG-ID: Rev: 5.41

Problem Summary:

     User logs onto AV via termserver/EGATE(tcp/ip). The EGATE monitors lines for activity and drops connection after timeout. Some processes do not die on the AV eg uniplex-->easyletter-->ufill-->uniplex -qc but use up all cpu cycles.

Answer Summary:

     This problem has been fixed in Uniplex Business Software V8.00 which should be available from Data General this summer 1995.

VMARK uniVerse Model: D055A

STR: NASC-21392 VMARK uniVerse   Module: N/A
ORIG-ID: U675029   Rev: 7.33

Problem Summary:

     Universe is aborting intermittently.

Answer Summary:

     After analyzing your core files, we have verified the fix is in rapid repair 7.3.3.1b.r2. We have confirmed that you received the rapid repair from Vmark. Please make a note that the fix in rapid repair 7.3.3.1b.r2 is not implemented in a standard release until release 8.3.2. If you continue to have core files after installing the rapid, please submit the core file to CSC for analysis.

STR: NASC-21703 VMARK uniVerse   Module: N/A
ORIG-ID: E445104   Rev: 7.33

Problem Summary:

    A second set of data is not inserted in a hold file by executing a Basic program while the first set of data could be inserted successfully.

Answer Summary:

    We are closing this STR as a duplicate of NASC-21662 and NASC-21665. The generic description for both STRs is as follows: In a BASIC program when writing to a &HOLD& file with the PRINT ON statement, any time an EXECUTE is issued followed by another PRINT ON statement, the information stored in the &HOLD& file is overwritten. Please track this issue through NASC-21662.

STR: NASC-21265 VMARK uniVerse   Module: N/A
ORIG-ID: U662198   Rev: 8.31

Problem Summary:

    The COPY and COUNT commands are giving different results from a Dynamic file under rev 8.

Answer Summary:

    The original issue was a corrupt file with field markers in the @ID. Both EMO Trans and DG have been unable to reproduce this behavior. In addition, this issue has not appeared again in your live account. If you do experience this issue again, please contact the Customer Support Center.

STR: NASC-21665 VMARK uniVerse   Module: N/A
ORIG-ID: U703088   Rev: 8.31

Problem Summary:

    Execution of a Delete from within a Basic program will cause the Print on stmt to loose its place.

Answer Summary:

    We are closing this STR as a duplicate to NASC-21662. The generic description for both STRs is as follows: In a BASIC program, when writing to a &HOLD& file with the PRINT ON statement, anytime an EXECUTE is issues followed by another PRINT ON statement, the information stored in the &HOLD& file is overwritten. To inquire on the status of this issue, please refer to NASC-21662.

X.25 for AViiON Systems Model: C008A

STR: NASC-21464 X.25 for AViiON Systems   Module: N/A
ORIG-ID: E443411   Rev: 3.00

Problem Summary:

    X25 sends reset on x25 PVC after some period of idle time.

Answer Summary:

    This was an inter-op issue between the AV and the Tandem. The Tandem was not ack'ing packets within the T25 timer. The Tandem switch was changed to ack every packet.

X.400 for AViiON Systems Model: C098A

STR: EURO-619104434X.400 for AViiON Systems   Module: N/A
ORIG-ID: CRUX CORRUPTI   Rev: 3.30

Problem Summary:

> X400 3.30: CRUX became corrupted, reporting: Signal 11 core dumped. Messages.0: "in-etd[28316]: cruxd/rpc/udp server failing (looping), service terminated" Crux re-installed and worked after that. Please examine core and tar of old DBs

Answer Summary:

> After examining the core file, it appeared that the version of cruxd which produced the core file was not consistent the version which shipped with the X.400 Rev. 3.30 product. In addition, X.400 Rev. 3.30 is an old product which is no longer supported. It is recommended that the customer upgrade to Rev. 4.00 of X.400 and attempt to reproduce the problem.

STR: NASC-21416 X.400 for AViiON Systems   Module: N/A
ORIG-ID: U670079   Rev: 3.30

Problem Summary:

> X400 message processor hangs, and x400 mail does not get delivered.

Answer Summary:

> X.400 Revision 3.30 is no longer supported. Please install revision 4.00 and if you continue to experience this problem, contact us to submit a new STR.

STR: NASC-21493 X.400 for AViiON Systems   Module: N/A
ORIG-ID: U648627   Rev: 3.30

Problem Summary:

> X400 occasionally stops processing mail and x400_cleanup script must be run in order to restart processing.

Answer Summary:

> X.400 Revision 3.30 is no longer supported. Please install revision 4.00 and if you continue to experience this problem, contact us to submit a new STR.

XTP for AViiON Systems Model: C167A

STR: GER-15342 XTP for AViiON Systems   Module: N/A
ORIG-ID: 3204149-00   Rev: 2.00

Problem Summary:

   NFS portmapper registration fails with XTP 2.00.00.2 after run-level-change.

Answer Summary:

   This is expected behavior. XTP can't be cycled through init 3 -> init 1 -> init 3. The system must be rebooted. This is also documented in the warnings section of the xtp release notice.

SECTION 2:
Product Revision List

OPEN SYSTEMS

SOFTWARE REVISION LIST

The following table summarizes software release activity for Open System Software Products for AViiON and 386IX products. It documents the revision, update levels, and date of shipment for current supported product revisions.

PRODUCT	MODEL #	REV.	UPD.	SHIPPED	SUPPORT ENDS
3270 CLIENT GATEWAY for DG/UX	C189A	2.00	00	12/94	
3270 PC GATEWAY	C189A	2.00	00	12/94	
API LU6.2 AViiON RUNTIME	C160A	3.10	00	11/92	
API LU6.2 FOR AViiON SYSTEMS	C014B	3.10	00	11/92	
API LUO 1, 2, 3 FOR AViiON	C015B	3.10	00	11/92	
AV IMAGE/ARS	D099A & D100A	2.0	00	04/95	
AV IMAGE CLIENT	A330B	1.50 1.01	00 00	6/95 4/94	12/95
AV IMAGE DB LINK CLIENT	A330A	1.50 1.01	00 00	6/95 4/94	12/95
AV IMAGE INGRES DB LINK	A326A	1.50 1.0	00 00	6/95 11/93	12/95
AV IMAGE INFORMIX DB LINK SERVER	A327A	1.50 1.0	00 00	06/95 11/93	12/95
AV IMAGE LINK VIEW	A501A	1.50	00	06/95	
AV IMAGE LINK SCAN	A502A	1.50	00	06/95	
AV IMAGE ORACLE DB LINK	A324A	1.50 1.01	00 00	06/95 12/93	12/95

PRODUCT	MODEL #	REV.	UPD.	SHIPPED	SUPPORT ENDS
AV IMAGE SERVER	A323A	1.50 1.01	00 00	6/95 4/94	12/95
AV IMAGE SCANNER (100-users)	A329B	1.01	00	5/94	
AV IMAGE SYBASE DB LINK	A325A	1.50 1.0	00 00	06/95 11/93	12/95
AV IMAGIZER TOOLKIT	A367	1.0	00	11/93	
AV OBJECT OFFICE/MS-WINDOWS	A091A	1.00	00	08/91	
AV OFFICE ADD-ON ENGLISH (AMERICAS)	A103A	1.20	00	09/93	
AV OFFICE DOCCONVERT MICROSOFT WORD MAC	A107A	1.00	00	09/91	
AV OFFICE DOCCONVERT MICROSOFT WORD/PC	A106A	1.00	00	09/91	
AV OFFICE DOCCONVERT MICROSOFT WORD/ WINDOWS	A108A	1.00	00	09/91	
AV OFFICE DOCCONVERT MULTIMATE	A109A	1.00	00	09/91	
AV OFFICE DOCCONVERT NAVY DIF	A111A	1.00	00	09/91	
AV OFFICE ENGLISH (AMERICAS)	A102A	1.20	00	09/93	
AV OFFICE FRENCH (CANADA)	A319A	1.00	00	12/92	

PRODUCT	MODEL #	REV.	UPD.	SHIPPED	SUPPORT ENDS
AV ONGO OFFICE CLIENT OSF/MOTIF UK	A417A	1.02 1.01	00 00	02/94 10/93	
AV ONGO OFFICE CLIENT	A336A	1.02	00	09/94	
AV ONGO SERVER	A335A	1.02	01	09/94	
AV ONGO CEO LINK	A342A	1.00	00	04/94	
AV ONGO PC VALUE PACK	A338A	1.00	00	04/94	
AV SYSCOPE PERF MONITOR	R062A	1.00	00	01/93	
AViiON DISTRIBUTED LOCK MANAGER	Q042A	1.10	00	02/95	
BUSINESS BASIC FOR AViiON	L005A	1.40 1.40	01 00	05/95 05/94	12/95
BUSINESS BASIC FOR 386/IX	L004A	1.20	00	05/92	
C++ (AT&T) - FOR SERVER	L018A	2.1.2 2.2.1	00 00	05/92 10/91	
CMIP/CMIS AGENT FOR AViiON	C124A	3.10	00	01/93	
DCE CELL DIRECTORY SERVER	C173A	1.00	00	08/93	
DCE GLOBAL DIRECTORY SERVER	C174A	1.00	00	08/93	
DCE ENCRYPTION UTILITIES FOR AViiON	C176A	1.00	00	07/93	
DCE EXECUTIVE FOR AViiON	C177A	1.00	00	08/93	
DCE SECURITY SERVER	C172A	1.00	00	08/93	
DG/ADVANCED PICK FOR AViiON	D058A	6.1.8	00	11/94	

PRODUCT	MODEL #	REV.	UPD.	SHIPPED	SUPPORT ENDS
DG/ADVANCED SERVER for UNIX (formerly LAN MANAGER for AViiON)	C102A	3.00 2.10	00 00	06/95 06/94	01/96
DG ENTERPRISE PLATFORM	C205A	2.00 1.00	00 00	4/95 12/94	10/95
DG/NETBEUI FOR AViiON	C086A	1.10 1.10	01 00	11/93 03/92	
DG SORT/MERGE FOR AViiON	R042A	1.72 1.71	00 00	02/95 05/93	
DG/UNIVERSE (NON-USA)	D063A	8.3.1.1 7.3.3.1	00 00	02/95 08/94	08/95
DG/UNIVERSE (USA)	D055A	8.3.1.1 7.3.3.1	00 00	02/95 08/94	08/95
DG/UX CLARiiON MANAGER	Q046A	1.10 1.00	00 00	04/95 12/94	10/95
DG/UX MANAGER	Q048A	2.00 1.00	00 00	4/95 12/94	10/95
DG/UX OPERATING SYSTEM	Q501A P001A Q001A	5.4 5.4	3.10 3.00	09/94 02/94	09/95
- B1 TRUSTED	Q012A	5.4 5.4	3.10 3.00	09/94 03/94	09/95
- C2 TRUSTED	Q011A	5.4 5.4	3.10 3.00	08/94 03/94	09/95
DG/UX OPTICAL DRIVER SUITE	R110A	1.00	00	03/95	
DG/UX X.25 FOR AViiON	C008A	3.00	00	04/94	
386/IX ONC/NFS	C005B	2.00	00	10/89	
DG/UX TAPE INTERCHANGE UTILITIES	R032A	1.00	00	04/91	

PRODUCT	MODEL #	REV.	UPD.	SHIPPED	SUPPORT ENDS
DYNACOMM ASYNCH	C147A	3.11 3.10	00 03	09/94 06/93	
EXPRESS-TRACK	A497A	1.50	00	06/95	
FONT SERVER FOR 5921 X-TERMINALS	R064A	6.31	00	03/94	
FRAMEMAKER 4.0	A012D A169D A170D	4.0	00	04/95	
FRAMEMAKER DOCUMENT FILTER	A008D	4.00	00	12/94	
FRAMEMAKER 3.0 ENGLISH FLOATING	A012C	3.10	00	03/92	
FRAMEMAKER 3.0 FIXED LIC. ENGLISH	A169A	3.10	00	03/92	
FTAM FOR AViiON	C095A	3.30	00	08/93	
GNU TOOLS FOR AViiON	R028A	2.00	00	09/92	
GNU C COMPILER	P001A-C	2.5.8.1 2.4.5.6	00 00	09/94 02/94	 09/95
GREENHILLS C-88000	L001A	1.87 1.86 1.85	00 00 00	05/94 03/92 08/90	
GREENHILLS FORTRAN-88000	L002A	1.87 1.86 1.86 1.85	00 01 00 01	05/94 02/93 03/92 08/90	
GREENHILLS PASCAL-88000	L003A	1.87 1.86 1.86 1.85	00 01 00 01	05/94 02/93 03/92 08/90	
ICOBOL 2 FOR AViiON	L031A	2.00 2.00	02 00	10/94 06/94	

PRODUCT	MODEL #	REV.	UPD.	SHIPPED	SUPPORT ENDS
ICOBOL 2 FOR I/UNIX	L033A	2.00 2.00	02 00	10/94 06/94	
ICOBOL2 RUNTIME FOR AViiON	L032A	2.00 2.00	02 00	10/94 06/94	
ICOBOL 2 RUNTIME FOR I/UNIX	L034A	2.00 2.00	02 00	10/94 06/94	
INFOS CONNECTION SERVER FOR AViiON	D057A	1.10	00	02/91	
INFORMIX DB LINK SERVER	A327A	1.10	00	12/93	
INGRES DB LINK SERVER	A326A	1.10	00	09/94	
INTERACTIVE COBOL RUNTIME FOR 386/IX	L014A	1.70	00	08/91	
LEGATO NETWORKER for AViiON	Q017A	4.02 4.00	00 00	09/94 03/94	
LEGATO NETWORKER JB MODULE	Q062A	4.02	00	03/95	
MEDARCHIVE for AViiON	A445A	3.40 3.31 3.30 3.30	00 00 02 00	04/95 01/95 06/94 01/94	 12/95 12/95 12/95
MEDSCAN forAViiON	A446A	2.10 2.0	00 00	04/95 01/95	 12/95
MICROFOCUS COBOL-2 FOR AViiON	L013A	3.20 1.30	00 00	04/95 12/92	 11/95
MICROFOCUS COBOL/2 RUNTIME	L027A	3.20 3.11	00 00	04/95 05/94	 10/95
MICROFOCUS COBOL/ 2 WITH TOOLBOX	L030A	3.11	00	05/94	
MHS FOR AViiON	C136A	1.20	00	04/93	
MHS GATE FOR AViiON	C162A	1.00	00	03/93	

PRODUCT	MODEL #	REV.	UPD.	SHIPPED	SUPPORT ENDS
MICROFOCUS COBOL/ 2 RUNTIME	L027A	3/11	00	05/94	
MICROFOCUS COBOL/ 2 with TOOLBOX	L030A	3/11	00	05/94	
MV DATA CENTER MANAGER FOR AViiON	R045A	1.00	00	01/92	
MXDB FOR AViiON	R007A	3.00	00	04/94	
NCD X-TERMINAL BOOT TAPE	R054A	3.11	00	03/94	
HOST XREMOTE FOR NCD XTERMINALS	R072A	2.48	00	06/94	
NETBIOS/TCP/IP FOR AViiON	C166A	1.10	00	06/94	
NETINFO FOR AViiON	C169A	3.00	00	01/93	
NETWARE (4.X)	C131D	4.10	00	02/95	
NETWARE SERVICES FOR AViiON	C020A	3.00	00	07/94	
NETWARE TRANSPORT FOR AViiON	C021A	3.00	00	07/94	
ONC/NFS SYSTEM FOR AViiON	C002A	5.4 5.4	3.10 3.00	09/94 02/94	 09/95
OPENMAC/SERVICES FOR AViiON	C148A	1.10	00	06/92	
OPENVIEW Dist Mgmt Dev. Kit	C192A	1.00	00	07/94	
OPENVIEW Dist Mgmt Platform	C191A	1.00	00	07/94	
OPENVIEW Network Mode Manager	C190A	1.00	00	07/94	
OPENVIEW SNMP Dev. Kit	C193A	1.00	00	07/94	

PRODUCT	MODEL #	REV.	UPD.	SHIPPED	SUPPORT ENDS
OPSTAR OFM	A226A	2.00 1.60	00 00	09/94 09/93	
OPSTAR OPTICAL DISK JB PKG	A227A	2.01	00	03/95	
OPSTAR OPTICAL DRIVE PKG	A226A	2.01	00	03/95	
OPSTAR VFM	A227A	1.60	00	09/93	
ORACLE DB LINK SERVER	A324A	1.00	00	11/93	
OS/EYE*NODE	C161A	1.00	02	02/94	
OSI/PLATFORM FOR AViiON	C094A	3.30	0	08/93	
PI/OPEN NON-USA	D062A	3.50	00	06/94	
PI/OPEN USA	D061A	3.50	00	06/94	
QLLC FOR AViiON	C168A	3.20	00	03/93	
RBCS FOR AViiON	C181A	1.00	00	09/93	
SAROS DOCUMENT MANAGER	A440A	1.10 1.0	00 00	01/95 05/94	12/95
SCO UNIX OS INTERNATIONAL	Q026A	4.20	00	10/93	
SDLC FOR AViiON	C010B	3.20	00	07/94	
SECURE RPC FOR AViiON	R010A	4.30	00	07/90	
SNA FOR AViiON	C011B	4.00	00	05/94	
SNA 3270 FOR AViiON	C012B	3.10	00	12/92	
SNA RJE FOR AViiON	C013B	4.00	00	02/94	
SNA TOKEN RING FOR AViiON	C121A	3.10	00	11/92	
SOFTPC	A001B	3.00	00	12/93	

PRODUCT	MODEL #	REV.	UPD.	SHIPPED	SUPPORT ENDS
SYBASE DB LINK SERVER	A325A	1.00	00	05/94	
TCP/IP FOR AViiON	C001A	5.4 5.4	3.10 3.00	09/94 02/94	09/95
TUXEDO SYSTEM/T KERBEROS	Q039A	2.00	00	07/94	
TUXEDO SYSTEM/WS KERBEROS	Q040A	2.00	00	07/94	
TUXEDO SYSTEM/T FOR AViiON	Q013A	4.20 4.00	00 00	07/94 03/92	
TUXEDO SYSTEM/VS FOR AViiON	Q014A	4.20 4.00	00 00	07/94 03/92	
UIM/X FOR AViiON	R033A	2.50	00	09/93	
VTP FOR AViiON	C096A	3.30	00	07/93	
WESTERN EUROPEAN SYSTEM MESSAGES	Q019A	3.0	00	06/94	
X.400 FOR AViiON	C098A	4.00	00	04/94	
XTP FOR AViiON	C167A	1.00	00	01/93	
X WINDOWS (AViiON)	H001A	5.4 5.4	3.10 3.00	09/94 02/94	09/95

SECTION 3:
Comment Form

NEWSLETTER COMMENTS FORM

Your Name:_____

Your Title: _____

Company Name:_____

Street:_____

City: _____ State: _____ Zip: _____

Account Number: _____

WHO ARE YOU?

_____ EDP/MIS Manager
_____ Analyst/Programmer
_____ Senior System Analyst
_____ Operator
_____ Engineer
_____ End User
_____ Other

HOW DO YOU USE THIS NEWSLETTER? (List in order with 1 = to Primary Use)

_____ Introduction to the product
_____ Reference
_____ Other

ABOUT THE NEWSLETTER:

Is it easy to read? Y(es) or N(o) _____
Is it easy to understand? Y(es) or N(o) _____
Are the topics logically organized? Y(es) or N(o) _____
Can you easily find what you want/ Y(es) or N(o) _____
Does it tell you everything you need to know? Y(es) or N(o) _____

WHEN DO YOU ANTICIPATE INSTALLING DG/UX 5.4R3.10? _____

WOULD YOU BE INTERESTED IN RECEIVING THE NEWSLETTER IN CD-ROM FORMAT INSTEAD OF HARDCOPY FORMAT? Y(es)/N(o) _____

COMMENTS:_____
_____
_____
_____

----------------------------------(Fold along this line, staple to close, and add a stamp)----------------------

**Data General Corporation
Customer Support Center
Newsletter Editor
1626 Jeurgens Court
Norcross, Georgia 30093
USA**

---(Fold along this line)---