• INTERLINK -
  d) Power management - We need to get Dave the API to shut off
     POWER.SYS. However, this does not solve one problem with the HP
     95 which I forgot in the meeting. HP uses their own power
     management which shuts the machine down after 5 minutes of
     keyboard inactivity. Thus, the server machine may just drop out
     in the middle of a transfer. However, 4 bytes coming in the
     serial port in under 0.5 seconds will wake the machine up, and
     there is also a call for this machine which will reset their
     timer of inactivity.

     So, what Dave proposes is this: If we have no connection, we
     throw a few garbage bytes out the link first to wake the machine
     up. Evidently this works if the machine was off! Then we try to
     make a normal connection. Once connected, if we start a
     transaction with the server, the server will make HP's call to
     keep the machine awake. Thus as long as we keep doing things
     to the server, the machine will stay awake.

     I still don't like making hacks for specific machines, but in
     this case if we don't we STILL run the risk of having the HP
     machine go to sleep in the middle of a transfer.

This is what APM is for. I would be willing to make interlnk APM aware
and then get HP to make an APM system.

Regards,
Andy

461
From tomle Thu Sep 19 11:00:59 1991
To: bradc bradsl
Subject: DR DOS 6.0 Test plan/Assignments
Date: Thu, 19 Sep 91 10:53:42 PDT

I know you have already seen the test plan but here it is anyway. I also
have Eric, myself and Fernando looking at this. To avoid pollution I
am going to leave development out of this until something turns up
which needs specific development attention. You will get mail
throughout the day as interesting stuff turns up. I will write a daily
report which summarizes the days finds.

Keep up .

Tom

>From jimla Wed Sep 18 17:31:30 1991
To: dosland
Cc: brentk jefflo jimla johnen korys terrib vanguard
Subject: DR DOS 6.0 Test plan/Assignments
Date: Wed Sep 18 17:30:28 PDT 1991

DR DOS 6.0 Test plan

It will take a total of two to three days to complete.

A-BRIANC & A-MARKL(Application Testing)

        Quick Application Testing:

        We've identified the following applications as significant from
        appnotes or DOS Extenders:

        386Max
        AutoCAD release 10
        AutoCAD 386
        Blue Max(ps2 bios elimination)

CodeView
Fastback
GeoWorks
Lotus Metro
Lotus Express
Lotus 1-2-3 3.0
Lotus 1-2-3 3.1
Manifest
Paradox 3.5 386
PeachTree Complete III Single-User Version
Pklite
ProKey and MS-DOS Editor/QBasic
Qemm 386
Sidekick 2.0
Software Carousel
Turbo Debugger 386
Ventura Publisher
WordPerfect

DR-DOS Problem Application Testing.
        4-5 Apps to be named.

These applications were selected using the following criteria;
mainstream apps, problems not specific to DOS 5 utilities,
could cause hard disk or data loss problems.

BRENTK(Windows Testing)
        Test Windows 2.11, 3.00, 3.00a, 3.1Beta2 in all applicable modes
        (Real Standard Enhanced) for each of the configurations listed
        below.

        Setup, running AND Running DOS in a Background VM
        - Setup over DrDOS
        - Setup over DrDOS with HIDOS.SYS
        - Setup over DrDOS with EMM386.SYS
        - DrDOS HIDOS.SYS
        - DrDOS EMM386.SYS as EMS provider
        - DrDOS EMM386.SYS as UMB provider
        - DrDOS EMM386.SYS as UMB & EMS provider
        - Windows HIMEM.SYS
        - Windows EMM386 as EMS provider

        DrDOS disk compression & caching (SuperStor & PCKwin)
        - SuperStor
        - PCKwin
        - Smartdrv & SuperStor
        - PCKwin & SuperStor
        - Swapfile
        - Swapfile & PCKwin
        - Swapfile & SuperStor
        - Swapfile & SuperStor & PCKwin
        - Swapfile & SuperStor & Smartdrv

        Multitasking DOS apps
        - DrDOS loaded low (with maximum number of VMs)
        - DrDOS loaded high (with maximum number of VMs)

HONKEATC(Hardware Testing)
        Himem & Hardware Compatibility Testing

        After reviewing all the HIMEM.SYS bugs in the raid databases, it
        seems that our HIMEM.SYS problems may be roughly grouped as
        below:-

        Himem SOFTWARE type problems
        ─────────────────────────────
        1) HIMEM and INT 15/VDISK.
        2) HIMEM and some LOTUS programs (slows things down pretty bad).
        3) HIMEM and 386MAX, Win and other DOS add-ons.

        Himem HARDWARE type problems
        ─────────────────────────────
        1) HIMEM and shadow ram in COMPAQ machines (CGA).
        2) HIMEM and various KB controllers.
        3) HIMEM and HP machines (no A20 snooper circuits).
        4) HIMEM and EISA machines (scanEISA ...).
        5) HIMEM and WYSE, Toshiba, Tulip ,AST, ACER machines.

So, as a rough plan, I will hit DR-DOS' HIMEM stuff on,
1) EISA machines (2 HP and 1 ZEOS),
2) on as many machines requiring special cases as listed in our
READ.ME for HIMEM switches as possible (using their equivalent
switches),
3) On WYSE, TULIP, AST machines. We have a problem in that we
only have one T1000 of the Toshiba species. Hardly cricket to
test that. Also I have to look for an ACER.

As for format,
1) Toshiba 32000SX in Windows Lab. This will use a boot diskette
an the Format test from our HCT.
2) Tortugas 2.88M disk with HCT also.
3) Just for fun, ThinCard Drive. (Only 10 minutes here).

Hardware detection
1) Hercules, Mono, VGA and ...
2) 8088, 286, 386. This is related to the HIMEM stuff above.

JAYA(API Testing)
        3xTests
        FCB test
        Device Driver Tests
        DR Interlnk tests

JEFFLO(Network Testing)
        DR-DOS Network Test Plan:

                Networks (main focus):

                        a) Lantastic v4.0
                        b) Lanman Basic - 2.0c
                        c) Lanman Enhanced - 2.0c
                        d) maybe check against lanman v2.1

                Networks (sanity check):

                        e) IBM DLR & PCLP
                        f) DECNET
                        g) BANYAN

                test methodology:

                a) run thru revised DOS 5.0 Final Test Plan...
                which includes the following:

                * basic DOS commands pertaining to net drives
                * Network 3.0 testing
                * task swapping to network drives
                * Win 3.1 NCT w/Win 3.1 beta build (runs overnight -
                automated)
                * loading network drivers/redirectors into UMB's.
                * Installation of network software on DR-DOS...especially
                 IBM network software.
                * Installation of Windows (network setup).

JENK(Compression Testing)

        Setup : Delete current partition
                Install DR DOS w/ 2 partitions
                (one I'll do compression, the other not)

        Compressed drives :
                Get it working.
                Do CHKDSK, BACKUP, XCOPY work the same on a
                compressed drive?
                Install on compressed drive & run:
                        Windows 3.0
                        Word
                        Excel
                        Norton 4.5, 5.0, 6.0 (see below)
                        PCTools 6.0, 7.0 (see below)

        Defragmenter :

Does it work on DR-DOS drive (compressed or normal)?
Does it work if you boot DR-DOS on another machine
        (MS-DOS) and run it there?
Does it allow swapping under their swapper?
How does it compare to 3rd-party de-frag utilities?

3rd-party Defragmenters :
        Do they work on DR-DOS formatted drives (<32MG and >32MB)?
        Do they work on compressed drives?
        What if DBLWATCH is installed?
        Include: SpeedDisk, Compress, Disk Optimizer, perhaps
        others.

PCTools: (disk-intensive stuff on compressed and uncompressed
drives)
        7.0: Compress, DiskFix, Backup, PC-Cache, Mirror,
        Undelete, Unformat.
        6.0: Compress, DiskFix, Backup, (more as time allows)

Norton: (disk-intensive stuff on compressed and uncompressed
drives)
        6.0: DiskEdit, SpeedDisk, Disk Doctor, Undelete, Unformat,
        DiskTool, NCache, Control Center.
        5.0: SpeedDisk, Disk Doctor (more as time allows)
        4.5: SpeedDisk, Disk Doctor

MARKSI(DOSSHELL TESTING)
        DR shell issues testing
                Use with alternate swappers (DesqView,Windows)
                Swap out of active task (formatting a floppy)
                file manager(Large Disk,Many Files,Many Directories)
                help
                Video support (8514, mono, herc,Ect.)
                swapping performance
                        swap to ems
                        swap to xms
                        swap to disk

        Mouse support

        Program launch
                options
                        pre-launch
                        file selection
                        prompt for input

        Error handling
                Swap To:
                full memory
                full disk
                write protect disk

        Paste via INT 16 (like Carbon Copy)

PAULHA(Setup Testing)
        Setup Testing:
                3rd Party partition schemes
                _____

                        Disk Manager
                                Partition conversion/identification
                                Greater than 1024 cylinders
                                Device Drive update/Compatibility
                                Disk compression on DM partition
                                Disk De-frag on DM partition
                        SpeedStor
                                Partition conversion/identification
                                Greater than 1024 cylinders
                                Device Drive update/Compatibility
                                Disk compression on SSTOR partition
                                Disk De-frag on SSTOR partition

                Non-standard DOS partitions
                _____

                        HP volume expansion and multivol
                                Partition conversion/identification
                                Device Drive update/Compatibility

Disk compression on partition
                        Disk De-frag on partition
                Compaq enhdsk
                        Partition conversion/identification
                        Device Drive update/Compatibility
                        Disk compression on partition
                        Disk De-frag on partition
                Zenith Multiple Primary partitions
                        Partition conversion/identification
                        Device Drive update/Compatibility
                        Disk compression on partition
                        Disk De-frag on partition
        Uninstall:
                partition restoration
                configuration restoration
                Re-boot part way through setup
                        Can user continue
                        Can user restore original configuration

        Other
                Bernoulli
                Syquest
                Priam
                IADF
                Plus Hard Card/Passport
                Greater then 2 Floppies
                Greater then 2 hard disks

        CD ROM Extensions
                MSCDEX
                        Programmer's Library
                        Bookshelf

TONYKA(Memory Management Testing)

        DR DOS MEMORY MANAGEMENT
                8086
                80286
                80386/80486

                Briefly check out DR DOS support for C&T machines

                Test warm boot (I remember DR DOS 5 used to report different
                amount of memory after warm boot).

                Concentrate on following areas:
                - XMS support
                        run XMSTEST
                        try some conflicting locking/unlocking of XMS block
                - UMB support
                        run UMBTEST
                        compare free conventional memory left with DOS 5
                - EMS support
                        run Intel's EMM test suite and our own EMS test
                        check out apps that require EMS: Borland C++

        TASK SWAPPER API
                Check if DR DOS 6 implemented our Task Swapper API
                If yes, check out
                        CX trash on switch denial bug?
                        EMS status save bug? - Borland C++

TRACYR(Utilities Testing)
        DR DOS Utilities in Win 3.0 VM
        -try this with DR DOS loaded in:
                *conventional
                *upper
                *high
        -with devices & tsr's in UMB's

        DR TASKSWAPPER (Command Line)
        -test max number of apps at a time
        -multiple EMS apps
        -test low memory situations

-running Win 3.0
        -running DESQView 2.2 & 2.3
        -cutting and pasting between apps
        -multiple copies of apps
        -loading tsr's
        -auto loading tasks at boot
        -trying to run multiple instances of TaskMAX
        -removing TaskMAX without closing apps

        DESQView
        -test max number of apps at a time
        -test low memory situations

462
From bens Thu Sep 19 11:04:25 1991
To: andrewsi
Cc: dos5beta
Subject: Re: PLEASE UPGRADE NOW: DOS 5.0a Release Candidate !
Date: Thu, 19 Sep 91 11:03:41 PDT

I had MS DOS 5.0 installed on my IBM PS/2 Mod 70 386/25, 8mb RAM, 8514/a,
LanMan 2.0c.

I used the \\toolsvr\beta network setup.

Here are my comments:

1) If 5.00a is such a small delta over 5.00, why did setup do so much
   work of copying files. I would have expected only a few files to
   get changed.

2) I have an 8514, but setup did not detect that: it claimed I have a
   mono-chrome VGA display.

Otherwise, it seems fine.

        Ben Slivka
        Windows Development

463
From davidcol Thu Sep 19 11:04:46 1991
To: jodyg
Subject: Re: don't look back someone might be gaining on you...
Cc: winperf winwar
Date: Thu Sep 19 11:03:31 1991

You should have read it more carefully. This is exactly
the same app being run on Win 3.0 and NT. NT runs 16bit
Windows app, it doesn't run PM apps.

464
From sharonh Thu Sep 19 11:20:53 1991
To: janetwi jodyg johnen keviny korys lawren markk richsa terrib
Cc: bradsi
Subject: Deaf Sensitivity Session
Date: Thu, 19 Sep 91 11:20:24 PDT
lauriecl a-long jenr susanv ellent

I would like to invite you all to a deaf sensitivity/awareness
meeting. This is an excellent opportunity for all of us, who work with
Lane, to learn more about deafness in the workplace and what we can do
to help keep communications running smoothly.

We've got a vibrant speaker coming from Minneapolis. Shelley Chucker
is the director of the Twin Cities Computer Training Program for the
Disabled, and also is heavily involved with Projects With Industry
(PWI). She will be accompanied by Sheila Thompson, Vocational
Specialist with a PWI program at Hearing, Speech and Deafness Center
in Seattle.

This is going to be an exciting session.

When: September 24th, Tuesday
Time: 12:00 p.m. to 2:00 p.m.