



Warp on

Terence Green presents step-by-step instructions on how to **install Warp** from a hard disk.

Life is strange. You spend ages waiting for a new server OS and then three turn up together. Elsewhere in this issue [p126] you can read about NetWare 5.0 which has been shipping since September 1998, and Windows NT 5.0 which should ship before the millennium arrives. Aurora, the next version of Warp Server, is now in beta and due to ship in early 1999. Aurora is evidence that Warp is far from dead and, as this column has said many times before, where there's a server update the client cannot be far off. Obviously, a new Warp client wouldn't include server-specific items such as the Aurora Journalled File System (JFS) which quickly recovers after crashes (with the assistance of a transaction log) but support for new hardware, kernel updates

Aurora includes support for the Intelligent Input/Output Architecture Specification (I2O), a new I/O industry-standard interface for storage and network adaptors, and for symmetric multiprocessor systems with up to 64 Intel CPUs. Aurora also has systems management for servers and client desktops, centralised management of Windows NT 4.0 servers, Dynamic DNS, DHCP services, LDAP support, Virtual Private Networking and a Unix Network File System (NFS) redirector, as well as support for clients running OS/2, DOS, Mac, and all versions of Windows from 3.x to NT.

It's fascinating to see Aurora lining up alongside Novell NetWare 5.0 and Windows NT 5.0 in the 1999 timeframe, because all the features and attributes

listed above can also be found in the other two. It's easy to form the impression that the PC world is a series of wars (font wars, GUI wars, desktop OS wars *et al*) leading to one dominant product. Well, it just ain't so, because one size does not fit all and that is why firms looking for a year 2000-ready, high-availability, IP standards-based, Intel-based server platform

designed for heterogeneous networks are spoilt for choice.

Installing Warp

I am indebted to Trevor Hemsley for posting these instructions, to the comp.os.os2.setup newsgroup, on how to install Warp from a hard disk. Trevor notes that this information comes from IBM.

● **If you have** the CD-ROM version of OS/2 Warp and your CD-ROM drive is currently unsupported by OS/2; or, if you have DOS installed on your system and it

recognises your CD-ROM, you can use the following procedure:

➤ **Hard Drive to Hard Drive Installation**

1 First of all, start your system from DOS.

2 Make a temporary directory called TEMP; type MD TEMP. Press Enter.

3 Type in the code below (where X: is the CD-ROM drive and C: is a drive that contains enough disk space to place the images and OS/2):

```
XCOPY X:\os2image\*. * /S C:\TEMP
```

and then press Enter.

Note — size = 35 or 525 and X: is the CD-ROM drive letter.

4 To create the installation diskette and diskette 1, type the following and press Enter:

```
X:\makedisks
```

5 This creates an Installation Diskette, followed by Diskette 1. After the new DISK1 is created, press Ctrl+Break.

6 Edit the CONFIG.SYS on the new DISK1. Change:

```
SET OS2_SHELL=SYSINST2.EXE
```

to

```
SET OS2_SHELL=SYSINST2.EXE C:\TEMP
```

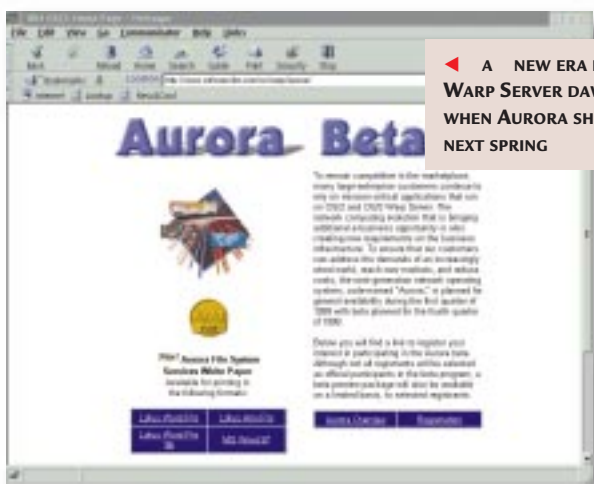
Save and Exit the file.

7 You can start the installation if you have the following: Installation Diskette; DISK1 Diskette; Diskette images in the TEMP directory on the hard disk. Insert the OS/2 Installation Diskette in drive A: and restart your system.

8 Insert DISK1 when prompted and continue the installation.

DOIP and ISP

Allan (no surname supplied) wrote to ask which internet service providers (ISP) can be used with Warp. The answer is, just about all of them. You need to locate the Dial Other Internet Provider (DOIP) program in the Internet Programs (modem) folder and add an entry for the ISP. Most ISPs now offer PAP/CHAP PPP and dynamic IP addressing, which means that you need only enter the ISP



➤ **A NEW ERA FOR WARP SERVER DAWNS WHEN AURORA SHIPS NEXT SPRING**

and the like will surely follow Aurora's release. Aurora's JFS raises the limit on file and partition size to two terabytes, and since we're talking server OS here, the high availability that JFS is designed to support will be complemented by server-mirroring software. This hooks two servers together so that if one crashes, the other takes over its workload. Aurora will also have a Logical Volume Manager which enables storage to be managed dynamically, growing partitions on the fly and creating logical drives that span several physical disks.

ANTI-VIRUS CORNUCOPIA

IBM and Symantec announced in May that Symantec would use IBM's virus control technology in Norton AntiVirus software. This includes a new Norton AntiVirus for OS/2 which IBM will be bundling with various products in place of IBM Anti-virus. You can find more details about Norton AntiVirus for OS/2 at www.symantec.com or www.av.ibm.com. The joint IBM/Symantec



NORTON ANTI-VIRUS FOR OS/2 WITH IBM PATENTED VIRUS IMMUNISATION IS ON THE WAY

➔ **Network Associates'** McAfee Virus-Scan for OS/2 is at www.nai.com. There are even some specialised front-ends. McAfee's virus scanner is a command-line utility so jazz it up with **PMFee Version 1.1** from Tom Steen at his web site at www1.tip.nl/~t207448/ or, if not there, at the OS/2 SuperSite www.os2ss.com/users/tjsteen/. Or, try Carsten Mueller's

Virus Check Pro

1.0 which is a front-end that supports IBM AntiVirus, Sophos Sweep, Dr. Solomon's Anti-Virus-Toolkit,

McAfee Virus-Scan, H&BEDV Antivir/2 and Norman Virus-Control and is available in the English, Dutch and German languages. Those with serious virus problems (universities

announcement generated quite a lot of discussion on Usenet and I was amazed to discover just how many OS/2 anti-virus products there were out there in addition to Symantec, IBM, and our very own Dr. Solly! Most of them offer demo or evaluation versions, too:



VIRUS CHECK PRO ENABLES MULTIPLE VIRUS SCANNERS TO BE USED AS ONE

Data

Fellows has F-Prot for OS/2 at www.f-prot.com.

➔ **Kaspersky Labs** is beta testing AVP for OS/2 at www.avp.ru/english/news/eval.html.

➔ **Norman Data Defense Systems** has Virus-Control for OS/2 at www.norman.com.



SHAREWARE MULTILINGUAL GRAPHICAL FRONT-END FOR MCAFEE VIRUS-SCAN

and colleges for instance) like to use

at least two anti-virus scanners and Virus Check Pro allows you to do this easily with one click or via drag-and-drop. Although OS/2 is not especially known for virus attacks, any PC boot sector can fall victim to an infected floppy diskette which has been accidentally left in the drive at boot time. And of course, if you run either Word or Excel in a Windows session and exchange documents with other users, it is worth scanning for macro viruses.

➔ PMFee and Virus Check Pro are shareware and can also be had from BMT Micro at www.bmtmicro.com.



Fig1 SIMPLE ISP DIAL-UP TO PAP/CHAP PPP WITH DIAL OTHER INTERNET PROVIDER (DOIP)

telephone number, your user name and password, the domain name (for example, isp.co.uk) and nameserver IP address (ask your ISP) and the modem details in the DOIP configuration notebook [Fig 1].

If you miss out anything, DOIP will ask you to enter it before saving the new configuration. If you leave out your login ID or password, you'll be prompted to enter them each time you initiate a call with DOIP.

BITS & PIECES

Timur Tabi's New User web page at www.os2ss.com/Information/NewUsers/ features a comprehensive set of links to OS/2 resources on the web.

Netscape Communicator 4.04 for OS/2 Warp should be released by the time you read this. You can download it free at http://service.boulder.ibm.com/asd-bin/doc/en_us/catalog.htm or wait for us to get it onto the PCW cover-mounted CD-ROM. It's a much smaller download than Navigator 2.02 because the Java support is no longer bundled and can be added separately.

Fix Pak #8 for Warp 4

We hope to be able to have the latest Fix Pak on next month's cover CD.

PCW CONTACTS

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