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## DCPA NT/2000 Server Configuration Installation requirements

DCPA NT/200x is a server/client-based software program that is called from PC clients.

Performance requirements only apply to the server/workstation; the PC clients are only used for controlling the screen. This means that no special performance requirements apply to the PC clients. If you are using DCPA IMAGE as additional application then it is necessary to have powerful PC clients and networks (see also 7.3).

### 1. User requirements

The user is responsible for ensuring that staff with sufficient expertise and training in the use of the equipment and programs are available, at the latest at the time that the installation is complete and ready to use.

*For a proposal, see the offer All for one Systemhaus AG – Software – Seminars:*

Course no.:	OAD100 Win NT Server – Basics in administration	3 days
or :	OAD200 Win 200x Server – Basics in administration	3 days
Course no.:	DCP100 DCPA NT/200x installation and administration	1 day

### 2. Operating system requirements

On the DCPA server, Windows NT 4.0 (Server or Workstation, Build 1381 with Service Pack 4, 5 or 6) or Windows 200x must be correctly installed. The PC client workstations require Windows 9x, NT Workstation 4.0 or Windows 200x and must have access to the server through TCP/IP.

The disk drive/partition on which DCPA NT/200x will be installed has to be the file type 'NTFS' (this supports long file names).

We also suggest that a remote maintenance facility has been installed to enable access to the server. E.g. PC-Anywhere with router.



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### **3. Installation partners**

The individual (engineer) who is installing the Windows-System at the customer site should be certified as an official Microsoft Solution Provider (MCSP) or their engineers should have been trained as an MCP (Microsoft Certified Professional) in:

- Microsoft Windows NT Workstation/Windows 200X
- Microsoft Windows NT Server or Windows 200X server enterprise

With this certification it is guaranteed that the partner provides the minimum know-how how to plan, deploy and maintain a Windows system environment.

### **4. Hardware requirements**

To be able to install the software, we assume that a Windows NT/2000 Server or Workstation system has been correctly installed. The hardware of the server should be certified from Microsoft for Windows NT/200x.

Client PC workstations must be connected to the Server or Workstation system via TCP/IP. A network adapter must be installed on the Server system.

Printers should be connected directly via network card in the LAN and not via a PC-System.

### **5. Data security with backups**

There is no facility for performing a consistent backup of the DCPA data during live operation. If no daily window is available during which the DCPA system can be deactivated to allow data to be backed up, it is not possible to ensure consistent backups on tape media.

To ensure data security, the DCPA data should be stored on a RAID 1 or RAID 5 system.

Despite the use of fault-tolerant disk systems, it is still necessary to perform tape backups, for instance, at night. For this reason, a tape drive with sufficient capacity and performance should always be included in the configuration (e.g. DDS2/DDS3 with 4 mm or DLT 35 or DLT 70).



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### 6. Data protection

In order to be able to ensure that access to the DCPA NT/200x user data is restricted, we recommend that you install DCPA NT/200x on a separate drive (partition) on the server/workstation.

In addition, the \$ symbol is appended during the installation to the share names of the DCPA NT/200x subdirectories to ensure, that these shares are not displayed by the Windows Explorer. Only certain groups should have read and write access granted to these shares.

The main directory of DCPA NT/200x should not be shared, only the relevant subdirectories.

For more information see the DCPA NT/200x Installation and Administration Guide.

### 7. Equipment

#### 7.1. General

- Network adapter (also for single-user workstation versions due to the necessity of TCP/IP and the DCPA NT/200x software licensing routine)
- 64 MB main memory for NT Workstation and 128 MB main memory for NT Server or Windows 200x for the operating system (basic) + approx. 2 MB main memory for each DCPA user/task.  
If additional software is used, such as mail servers etc., a corresponding increase in main memory is necessary.
- Hard disk for data  $\geq$  1 GB (SCSI disks are strongly recommended)
- SCSI controller, the best would be HW-Raid-Controller with 4MB cache for the best performance
- If possible, at least 2 hard disks: SCSI
  - Windows NT or 200x operating system and DCPA NT/200x on separate disks.
  - At least 3 drives are necessary for RAID systems, because Windows NT/200x need its own disk.
- Fast drives and fast SCSI controllers are recommended.
- Remote maintenance facility, e.g. software PC-Anywhere with router to enable remote access to the server.



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### **7.2. Additional interaction with other software packages**

If other applications such as SQL servers, office servers, databases etc. are to be installed on the DCPA NT/200x server system, the configuration will need to be analyzed again. But we do not recommend this because of the availability of the complete system.

If you need access from 1 Client PC to UNIX and DCPA NT/200x you will need additionally an UNIX Terminal emulation program. We recommend the n.e.t.z BA80 Term-Emu. For this special version you can ask n.e.t.z or us.

### **7.3.DCPA IMAGE software needs special requirements for the Clients**

When using the DCPA IMAGE software we recommend having:

Minimum 17" screens Monitor (1024x768)

Graphical card (4-8 MB Video-RAM)

64 MB RAM.

## **8. DCPA NT/200x components**

DCPA NT/200x consists of

- DCPA software developed in C. The source code developed by All for One Systemhaus AG is the property of Siemens.
- mks Toolkit for creating a UNIX Korn shell (OEM agreement with mks )
- DCPA client to enable access to the DCPA server (OEM agreement with n.e.t.z).

DCPA NT/200x itself requires a total of approximately 100 MB hard disk space.

The DCPA NT/200x application including software packages and data resources depends on the volume of data. We shall be happy to support you in drafting quantity requirements.

If you have queries, please contact us.

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