

AN-024 Transfer files to CHARON-VAX/AXP virtual SCSI disks

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A CHARON-VAX/AXP SCSI disk image is compatible with the support of virtual disks as provided by the VDDRIVER in OpenVMS/Alpha. OpenVMS/Alpha virtual disks provide an easy and flexible way to transfer files (including boot system images) from the host OpenVMS/Alpha system to CHARON-VAX/AXP and back again. The VDDRIVER is available on the HP OpenVMS Freeware CD.

The following is an example of the use of the VDDRIVER with CHARON-VAX/AXP:

1. Install the VDDRIVER on the host OpenVMS/Alpha system. For example:

```
$ copy <CD drive>:[utils.virtual_disks]*.exe sys$system:  
$ copy <CD drive>:[utils.virtual_disks]*.cld sys$system:  
$ mc sysman io connect vda0:/noadapter/driver=sys$system:vddriver.exe  
$ set command sys$system:asnvd_cld_64
```
2. Create a disk image with the MKDISK utility from the CHARON-VAX/AXP kit. For example:

```
$ mkdisk -t rz28 rz28.dsk
```
3. Copy this disk image with the following command to set the CONTIGUOUS attribute for the file (the VDDRIVER only works if the file has the CONTIGUOUS attribute). For example:

```
$ copy/contiguous rz28.dsk dka300:[000000.disks]mydisk.dsk
```

To transfer data from the host system to CHARON-VAX/AXP:

1. Assign the disk image to a virtual disk device. For example:

```
$ asnvd_cld_64/assign/sec64 vda0: dka300:[000000.disks]mydisk.dsk
```
2. Mount the virtual disk on the OpenVMS/Alpha host system and copy the files that you need to this disk. If the disk image file was just created you must initialize it before the mount:

```
$ mount vda0:/over=id  
$ copy [.myfiles]*.* vda0:[000000]
```
3. Dismount the virtual disk from the OpenVMS/Alpha host system. For example:

```
$ dismount vda0:
```
4. Deassign the file from the virtual device. For example:

```
$ asnvd_cld_64/deassign vda0:
```
5. Specify the disk file name in a CHARON-VAX/AXP configuration file. For example to configure DKA100: in CHARON-VAX/AXP using MYDISK.DSK on DKA300 in the Alpha host:

```
$ load virtual_scsi_disk pka_1 scsi_bus=pka scsi_id=1  
$ set pka_1 container="dka300:[000000.disks]mydisk.dsk"
```
6. Start CHARON-VAX/AXP, mount the corresponding device and use the files.

Note: The VDDRIVER is freeware and this procedure is provided without warranty.

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