Tech Info Library

Catalyst: Integrating it for an Apple III and Corvus Omnidrive

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Security:       Everyone
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Either a single user or an multi user system may be integrated with the
Catalyst for the Apple III provided that the items below are completed. It is
assumed that you have initialized your Corvus hard disk, with the SOS format,
according to the Corvus Disk System Installation Guides and have performed the
following:

 1. Update firmware.
 2. Generation of a Constellation II system.
 3. Addition of the Constellation Utilities.
 4. Creation of a volume.
 5. Creation of a "User"
 6. Grant "User" access to the volume.

For the purposes of these instructions, a Catalyst volume was created,
formatted, and mounted on .C2.

Once you have set up your Corvus drive for use, it will be necessary for you to
add the Corvus device drivers (.C1-.C6 .CRDW .CORBOOT) to your Catalyst disk.
To do this, use the System Configuration Program within Apple's System
Utilities to read the device drivers of your Catalyst program disk into memory.
Once this is completed, add the Corvus drivers contained in the files
A3DRV.BOOT.CODE and A3DRV.SOS.CODE to the existing driver file. These files may
be found on the Corvus A3C2.2 diskette. If you are unfamiliar with the
procedures necessary to complete the above, consult your Apple Standard Device
Drivers Manual for details.

NOTES ON THE MODIFICATION OF THE CATALYST SOS DRIVER FILE

1. In order for Catalyst to work along with the Constellation boot driver
.CONSTBOOT it is necessary to remove the Quark .CONSOLE driver and replace it
with an Apple .CONSOLE driver. The Apple .CONSOLE driver may be found on any
Apple System Utilities Disk. In doing this, the Double Apple ESCAPE option
within Catalyst will be disabled which will force you to quit each
application installed on the Catalyst by use of a QUIT menu option within each
application. The replacement of the Quark .CONSOLE driver will also make
Quark's printer spooler Discourse unusable. Discourse uses special attributes

of Quark's .CONSOLE driver that are unavailable with the Apple driver.

2. RECOMMENDATION: The Catalyst SOS.DRIVER file contains 18 device drivers
with 18K of space remaining. It is possible to add the Constellation II drivers
to the Catalyst, however, it may cause a $01 error. This is due to the fact
that the driver file, once the Corvus drivers are added, approaches the maximum
memory limit. To avoid this, refer to the section in the Catalyst manual
dealing with "EXTRA DRIVERS". The following drivers may be deleted to keep the
driver list on the Catalyst disk to a minimum:

                .AUDIO   .RS232   .GRAFIX   .PRINTER   .FMTD-1 through 4

In order for Catalyst to recognize the Corvus Device it is necessary to modify
the .CATALYST Device Configuration Block (DCB).

3. When setting up the .CATALYST driver DCB, Byte 01 will vary depending upon
the Corvus driver you are using. For example, .C2 has a unit number of "01". If
you wish to use this device, Byte 01 in the Catalyst DCB must be set to "01".
Device .C3 has a unit number of "02". If you wish to use this device, Byte 01
in the Catalyst DCB must be set to "02". The .C1 device is the System Manager
and is not to be used by Catalyst.

Example of the .CATALYST DCB using the .C2 device, slot 4:

         0 1 2 3 4 5 6 7   8 9 A B C D E F
  0x - 04 01 F1 01 02 00 00 8F 97 8A 91 93 23 17 17 F6
  1x - 00 B8

Once steps 1-3 have been completed, Generate a New System on your Catalyst Boot
disk.

SCENARIO

Assuming that the above procedures have been performed, booting the Catalyst
disk will activate the driver .CONSTBOOT. The Constellation main menu will
appear. Type the user name you created for your Catalyst volume and your
password. The Catalyst will now boot through the built in drive and you will be
presented with the Catalyst main menu.

You may at this point install the Catalyst system, by following the
instructions on page 2-6 of your Catalyst manual.

ERRORS:

SYSTEM FAILURE $05 - The Catalyst contains a Quark .CONSOLE driver. Use the
Apple System Utilities to delete it and replace it with an Apple .CONSOLE
DRIVER.

NOTE: Apple Computer Inc. is not responsible for the contents of this
      article.

Quark Tech Support

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