## Network Server 500 & 700: Hot Swappable Drives & RAID (9/96)

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TOPIC -------------------------------------------------------------

This article describes the need for an optional Network Server PCI RAID Card at
RAID level 5 for hot swappable drives.


DISCUSSION --------------------------------------------------------

The Network Server 500 and Network Server 700 contain a flexible SCSI backplane
that allows the easy removal and insertion of SCSI devices. The removal or
insertion of a SCSI device while the system is running causes a reset of the
SCSI bus. The ability to handle the SCSI reset is operating-system dependent.
AIX does not have the ability to handle this reset, which may lead to data
corruption when the reset occurs. The optional Network Server PCI RAID Card,
M4030Z/A, buffers the AIX operating system from the consequences of drive
insertion and removal when the drive is part of a RAID configuration setup for
RAID Level 5.

In summary: hot-swapping drives on the Network Server 500 and 700 requires that
the drives be part of a RAID Level 5 configuration with the Apple Network Server
PCI RAID Disk Array Card.

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