AppleTalk Remote Access: Installation Uses a Lot of Disk Space

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TOPIC ---

I installed AppleTalk Remote Access on three different hard drives with the
following results:

- Normal installation on a PowerBook 140, with system software 7.0.1beta8,
  and 7.7MB free on a 20MB hard disk.

- Couldn't install from a Macintosh IIci as the start-up disk, with system
  software 7.0, and 2.3MB free on an internal 40MB hard drive. It
  indicated that it needed 9MB.

- Couldn't install from system software 7.0.1 start-up disk partition
  on a Macintosh IIci, with system software 7.0.1 (GM), and 770K free on
  a 5MB partition of a 200MB hard drive.

In both unsuccessful attempts, the drive/partition clearly had sufficient
space. When I started up from a different drive/partition, I could
successfully install to the drive/partition I wanted. Virtual memory
was off, 24-bit addressing was on, and File Sharing was off.

DISCUSSION --

In both cases you were seeing the effects of a "live install" on a disk
with insufficient free space. If you use the Installer to install software
on the startup disk, and if the software affects critical System files, it
can require a great deal of free disk space. This is because the Installer
makes duplicates of any critical files it must modify, and installs the new
software in these copies. If the install is successful, it removes the old
copies and renames the new ones. This process ensures that you won't be
left with an unusable startup disk if the installation is unsuccessful.

In your case, installing AppleTalk Remote Access required installing
AppleTalk version 57. Since it must be in the System file, the entire
System file must be duplicated. It looks like both of these computers have
rather large System files, especially the Macintosh IIci that wants 9001K!

The live install feature was added to prevent forced start up from another
disk before installing software on the system disk. Unfortunately, this
process requires a lot of disk space to duplicate files. The only way
around this is to do as the Installer alert suggested and start up from
another disk before installing.
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