



V5R4M0 APRM Now Available!

The popular Automatic Partition Resource Manager – APRM – is even better. The latest version, V5R4M0, was released on February 14, 2006. All of the features of prior releases are included in this one and the following enhancements were made:

- ◆ Many of the data fields in APRM's files have been expanded to provide for possible future growth.
- ◆ The handling of interactive usage on "Enterprise Edition" machines (those with full interactive capability) has been enhanced (this was also in APRM V5R3M2).
- ◆ The response speed of the tuning algorithm has been enhanced to make resources changes more quickly than in prior releases (this was also in APRM V5R3M2).
- ◆ The CVTAPRMHST command now has an additional parameter to allow the reporting of totals (averages, in some cases) of resources and their utilization.
- ◆ 3 new "retrieve" commands have been added to allow a CL program to gather data from APRM's files.
- ◆ Support has been added for switching the relatively new IOP-less IOAs (Input-Output Adaptors that do not require Input-Output Processors) between partitions. These are supported by IBM at i5/OS V5R3M5 and later.

This version of APRM will support OS/400 releases from V4R5 through i5OS V5R4 and will support all of the hardware these releases support.

APRM features now include:

- ◆ Support for the new i5 hardware which controls LPAR operations via an attached Hardware Maintenance Console (HMC).
- ◆ Support for Linux partitions – both on iSeries and on i5 hardware. These can report their performance statistics and be controlled for hardware resource allocation to the extent that the version of Linux and IBM's hypervisor supports. A Linux partition cannot, however, control other partitions.
- ◆ On i5 hardware, any i5/OS partition can control LPAR and, therefore, APRM provides a user-defined list to specify which partition should take control. This is similar in concept to the "order of succession" used to determine which governmental official is "in charge" when some others may be unable to act.
- ◆ On i5 hardware, all of APRM's functions are available in all i5/OS partitions. Configuration changes made on any i5/OS partition are automatically replicated to other i5/OS partitions.
- ◆ On i5 hardware, the command-line interface of an HMC controlling the i5 system is made available to a suitably authorized user command or program.
- ◆ All of the former features are, of course, still supported on iSeries hardware and, with one exception, on i5 hardware as well. The exception for i5 hardware is that the HMC does not provide hardware information to the same level of detail as did the iSeries LPAR interface. Because of this, there have been changes to the rules for switching ownership of I/O hardware such as tape and optical drives.