



Address Resolution Protocol (ARP) Table Utilities

[System i Network Systems Management Newsletter](#)

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Wed, 08/04/2004 (All day)

In the September 17, 2003, issue, Carsten Flensburg published a utility that printed the Address Resolution Protocol (ARP) table. The ARP table ties Ethernet addresses, which are unique for every Ethernet device, to IP addresses. Carsten's utility printed all the ARP entries corresponding to a given network line name.

In this issue's utility, Carsten enhances the ARP table print utility by giving it a command, Print ARP Table (PRTARPTBL), as well as a help panel group. He also adds a new command, Remove ARP Table Entry (RMVARPTBLE), which provides an interface to the iSeries ARP table in cache memory, allowing you to clear the cache without having to perform an IPL of the system. Together, PRTARPTBL and RMVARPTBLE provide a way for network administrators to research and repair iSeries ARP cache-related problems.

The PRTARPTBL utility uses the QtocLstPhyIfcARPTbl API, which is documented at <http://publib.boulder.ibm.com/infocenter/iseres/v5r3/ic2924/index.htm?info/apis/qtoclstphyifcarptbl.htm>.

The PRTARPTBL utility uses the QtocRmvARPTblE API, which is documented at <http://publib.boulder.ibm.com/infocenter/iseres/v5r3/ic2924/info/apis/qtocrmvvarptble.htm>.

To learn more about ARP, download the helpful "TCP/IP Tutorial and Technical Overview" at [http://publib-b.boulder.ibm.com/redbooks.nsf/RedbookAbstracts/gg243376.html?Open](http://publib.b.boulder.ibm.com/redbooks.nsf/RedbookAbstracts/gg243376.html?Open).

Lastly, you can download the utility from <http://www2.systeminetwork.com/noderesources/code/clubtechcode/ARPUtls.zip>.

The above utility was written by Carsten Flensburg. For questions regarding this tip, contact Carsten at <mailto:flensburg@novasol.dk>.

Source URL: <http://iprodeveloper.com/rpg-programming/address-resolution-protocol-arp-table-utilities>