Tech Info Library

MacTCP, ARA, and MacIP Address Issue (10/95)

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

If I connect to a network with Apple Remote Access (ARA) server, use an IP
application, then hang up and reconnect (without restarting my PowerBook) to a
different ARA server and MacIP server, the AppleTalk address of the MacIP server
on the PowerBook does not get updated. The AppleTalk encapsulated IP traffic
will still be sent to the AppleTalk address of the first dial up system I dialed
into. Not until after I restart the PowerBook is the AppleTalk address cleared.
Is there a work around?


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

This is a known limitation of using Datagram Delivery Protocol/Internet Protocol
(DDP/IP) services. You must restart the client Macintosh before reconnecting to
another ARA or DDP/IP server. MacTCP has no mechanism to flush the cached IP
address or location of the DDP/IP gateway once it has been acquired. It's
actually a good idea to restart your Macintosh, even in the event you're going
to be connecting to the same ARA or DDP/IP server, just in case the DDP/IP
gateway has reused your address (assigned it to another node) before you
reconnect. There are no plans to change this behavior in the current products.
The good news is that as we move to a PPP based solution for remote
connectivity, this problem should be eliminated as it is today if you use PPP to
connect to your LAN.



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