

QUERY ARPS

The QUERY ARPS command displays the contents of the Address Resolution Protocol (ARP) table. This table maps a TCP/IP network address to a physical hardware address.

Syntax: `Query ARPs [,IPAddr=ip4addr] [,SYSlst]`

Arguments: IPAddr= - The TCP/IP network address for which the ARP entry is to be displayed. If omitted, all ARP table entries are displayed.

SYSlst - If specified, the results of this request are sent to SYSLSST. If omitted, the results are displayed on the console.

Example:

```
IPN237I query arps
IPN253I << TCP/IP ARP Table >>
IPN409I Information for Link LINK3172, Adapter 0
IPN410I 192.168.1.4 > 00:00:00:00:00:00 C: 0
IPN410I 192.168.1.1 > 00:0C:41:80:DD:30 C: 1
IPN410I 192.168.1.66 > 00:19:B9:75:5E:96 C: 3
```

- Notes:
- The stack updates the table every time it receives an ARP. If a MAC address changes, an alert message is issued.
 - The "C:" field in the command response refers to the number of times that VSE has been ARPed from the IP address. A large number in this field could mean that a particular host is creating unnecessary TCP/IP overhead by ARPing frequently.
 - If an IP address is reassigned to a different MAC address, its first attempt to contact VSE (*eg*, PING) will update the ARP table. This will also occur if the device issues a broadcast ARP.
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| Related Commands: | QUERY ALTIPS | - Displays all alternate IP addresses. |
| | QUERY LINKS | - Displays the status of network links. |
| | QUERY ROUTES | - Displays the content of the network routing table or the route taken to reach a specific address. |
| | DEFINE ROUTE | - Add an entry to the TCP/IP routing table. |
