

Verifying That Unrestricted Proxy ARP Is Working Correctly

Purpose Verify that the switch is sending proxy ARP messages.

Action List the system statistics for ARP:

```
user@switch> show system statistics arp
arp:
    198319 datagrams received
    45 ARP requests received
    12 ARP replys received
    2 resolution requests received
    2 unrestricted proxy requests
    0 restricted proxy requests
    0 received proxy requests
    0 proxy requests not proxied
    0 restricted-proxy requests not proxied
    0 with bogus interface
    0 with incorrect length
    0 for non-IP protocol
    0 with unsupported op code
    0 with bad protocol address length
    0 with bad hardware address length
    0 with multicast source address
    0 with multicast target address
    0 with my own hardware address
    168705 for an address not on the interface
    0 with a broadcast source address
    0 with source address duplicate to mine
    29555 which were not for me
    0 packets discarded waiting for resolution
    4 packets sent after waiting for resolution
    27 ARP requests sent
    47 ARP replys sent
    0 requests for memory denied
    0 requests dropped on entry
    0 requests dropped during retry
    0 requests dropped due to interface deletion
    0 requests on unnumbered interfaces
    0 new requests on unnumbered interfaces
    0 replies for from unnumbered interfaces
    0 requests on unnumbered interface with non-subnetted donor
    0 replies from unnumbered interface with non-subnetted donor
```

Meaning The output shows that all the unproxied ARP requests received have been proxied by the switch.

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