

maprccli commands taking a very long time to execute



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Issue

A customer reported when they execute maprccli commands it was taking a long time to complete. In their case, the command they were running was:

```
maprccli dump containers -type resync -json
```

Environment

Ezmeral Data Fabric v7.6.1

Cause

After investigating the issue, the cause was determined to be the CLDB continuously spamming DNS IP addresses. This was confirmed by running the maprccli command and using tcpdump to capture a network trace filtering on the DNS port (53):

```
root@m2-mapreng-vm16624:~# maprccli dump containers -type resync -json
{
  "timestamp":1720155716544,
  "timeofday":"2024-07-04 10:01:56.544 GMT-0700 PM",
  "status":"OK",
  "total":0,
  "data":[

]
}
root@m2-mapreng-vm16624:~# tcpdump -i any -s 0 -nn dst port 53
tcpdump: verbose output suppressed, use -v or -vv for full protocol de
listening on any, link-type LINUX_SLL (Linux cooked v1), capture size 2
22:02:03.202160 IP 127.0.0.1.41110 > 127.0.0.53.53: 14935+ [1au] PTR? 2
22:02:03.202623 IP 127.0.0.1.33103 > 127.0.0.53.53: 60117+ [1au] PTR? 2
22:02:03.203549 IP 127.0.0.1.57781 > 127.0.0.53.53: 8140+ [1au] PTR? 23
22:02:03.203825 IP 127.0.0.1.56767 > 127.0.0.53.53: 28151+ [1au] PTR? 2
22:02:03.205033 IP 127.0.0.1.57821 > 127.0.0.53.53: 2143+ [1au] PTR? 23
22:02:03.205262 IP 127.0.0.1.47517 > 127.0.0.53.53: 27849+ [1au] PTR? 2
22:02:04.205853 IP 127.0.0.1.56549 > 127.0.0.53.53: 56210+ [1au] PTR? 2
22:02:04.206217 IP 127.0.0.1.38955 > 127.0.0.53.53: 10675+ [1au] PTR? 2
22:02:04.207207 IP 127.0.0.1.49889 > 127.0.0.53.53: 53850+ [1au] PTR? 2
22:02:04.207488 IP 127.0.0.1.47521 > 127.0.0.53.53: 28936+ [1au] PTR? 2
22:02:04.589109 IP 127.0.0.1.52016 > 127.0.0.53.53: 62487+ [1au] PTR? 2
22:02:04.589108 IP 127.0.0.1.55069 > 127.0.0.53.53: 59650+ [1au] PTR? 2
22:02:04.589458 IP 127.0.0.1.34032 > 127.0.0.53.53: 36706+ [1au] PTR? 2
22:02:04.589568 IP 127.0.0.1.50982 > 127.0.0.53.53: 46520+ [1au] A? m2-
22:02:04.589747 IP 127.0.0.1.47997 > 127.0.0.53.53: 5369+ [1au] PTR? 23
22:02:05.208115 IP 127.0.0.1.54901 > 127.0.0.53.53: 43763+ [1au] PTR? 2
22:02:05.208481 IP 127.0.0.1.36284 > 127.0.0.53.53: 7391+ [1au] PTR? 23
22:02:05.209068 IP 127.0.0.1.42739 > 127.0.0.53.53: 6159+ [1au] PTR? 23
22:02:05.209289 IP 127.0.0.1.36426 > 127.0.0.53.53: 36749+ [1au] PTR? 2
22:02:05.894245 IP 127.0.0.1.35652 > 127.0.0.53.53: 37453+ [1au] PTR? 2
22:02:05.894586 IP 127.0.0.1.58533 > 127.0.0.53.53: 1511+ [1au] PTR? 23
22:02:05.968372 IP 127.0.0.1.36146 > 127.0.0.53.53: 32038+ [1au] PTR? 2
```

Resolution

A workaround for this issue is to stop using DNS and add all the cluster nodes to the /etc/hosts file on all nodes.

The fix for this issue is included in the patch `mapr-patch-7.6.1.10.20240806050405.GA-1.x86_64.rpm`.