

# DCDIAG DNS Failure

---

*Source:*

<http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.dns/2006-08/msg00174.html>

---

- *From:* dlove106 <[dlove106@xxxxxxxxxxxxxxxxxxxxxxxx](mailto:dlove106@xxxxxxxxxxxxxxxxxxxxxxxx)>
  - *Date:* Thu, 3 Aug 2006 22:03:01 -0700
- 

I suspect that DNS issues are causing me to have email messages arrive hours or even a day late. It does not happen all the time, but does I have confirmed the problem. I ran dcdiag /test:dns and received the output below. I am able to successfully query other domains, and everything appears to be functioning fine. I'm not sure why the test is failing or what caused it. Without the sometimes slow mail delivery, I would not even know there was a problem. Any help in troubleshooting the problem would be greatly appreciated.

DNS is running on a DC in the Parent container; Exchange 2003 server is located in child domain.

Thanks.

Domain Controller Diagnosis

Performing initial setup:  
Done gathering initial info.

Doing initial required tests

Testing server: Default-First-Site-Name\SDSERVER  
Starting test: Connectivity  
..... SDSERVER passed test Connectivity

Doing primary tests

Testing server: Default-First-Site-Name\SDSERVER

DNS Tests are running and not hung. Please wait a few minutes...

Running partition tests on : SDSR

Running partition tests on : Schema

Running partition tests on : Configuration

Running enterprise tests on : Shiprepair.com

## DCDIAG DNS Failure

Starting test: DNS

Test results for domain controllers:

DC: sdserver.SDSR.Shiprepair.com

Domain: SDSR.Shiprepair.com

TEST: Basic (Basc)

Warning: adapter [00000005] HP NC7760 Gigabit Server

Adapter has invalid DNS server: 172.20.100.10 (<name unavailable>)

Error: all DNS servers are invalid

TEST: Records registration (RReg)

Error: Record registrations cannot be found for all the network adapters

Summary of test results for DNS servers used by the above domain controllers:

DNS server: 172.20.100.10 (<name unavailable>)

1 test failure on this DNS server

This is not a valid DNS server. PTR record query for the

1.0.0.127.in-addr.arpa. failed on the DNS server 172.20.100.10

Summary of DNS test results:

Auth Basc Forw Del Dyn RReg

Ext

---

Domain: SDSR.Shiprepair.com

sdserver PASS FAIL n/a n/a n/a FAIL

n/a

..... Shiprepair.com failed test DNS

---

DLove

.