

# Re: DNS stops responding

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  - *Date:* Sun, 16 Sep 2007 08:14:01 -0700
- 

They are DHCP, yes... I don't have access to a client right now, but since this problem with recursive query is random in time, are we looking for at the right side of the problem?

DNS domain name i DHCP options is inko and DNS is 192.168.1.100

BTW: the clients does not appear in DNS... Isn't that default behavior?

Bjørn.

"Meinolf Weber" wrote:

Hello Bjørn,

How are your clients configured, DHCP? Please post also an ipconfig /all from one.

Best regards

Meinolf Weber

Disclaimer: This posting is provided "AS IS" with no warranties, and confers no rights.

As of now it is the only DNS-server (small domain), yes and yes...

Bjørn.

"Meinolf Weber" wrote:

Hello Bjørn,

I assume INKO-FS1 is not the only DNS server? Is Active directory integrated zones used and do you have a reverse lookup zone configured?

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Best regards

Meinolf Weber

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```
C:\Documents and Settings\Administrator.INKO>dcdiag
```

Domain Controller Diagnosis

```
Performing initial setup:
Done gathering initial info.
Doing initial required tests
Testing server:
Default-First-Site-Name\INKO-FS1
Starting test: Connectivity
..... INKO-FS1 passed test
Connectivity
Doing primary tests
Testing server:
Default-First-Site-Name\INKO-FS1
Starting test: Replications
..... INKO-FS1 passed test
Replications
Starting test: NCSecDesc
..... INKO-FS1 passed test
NCSecDesc
Starting test: NetLogons
..... INKO-FS1 passed test
NetLogons
Starting test: Advertising
..... INKO-FS1 passed test
Advertising
Starting test: KnowsOfRoleHolders
..... INKO-FS1 passed test
KnowsOfRoleHolders
Starting test: RidManager
..... INKO-FS1 passed test
RidManager
Starting test: MachineAccount
..... INKO-FS1 passed test
MachineAccount
Starting test: Services
..... INKO-FS1 passed test
Services
Starting test: ObjectsReplicated
..... INKO-FS1 passed test
```

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ObjectsReplicated  
Starting test: frssysvol  
..... INKO-FS1 passed test  
frssysvol  
Starting test: frsevent  
..... INKO-FS1 passed test  
frsevent  
Starting test: kccevent  
..... INKO-FS1 passed test  
kccevent  
Starting test: systemlog  
An Error Event occured. EventID:  
0x00000457  
Time Generated: 09/16/2007 10:51:52  
(Event String could not be retrieved)  
An Error Event occured. EventID:  
0x00000457  
Time Generated: 09/16/2007 10:51:52  
(Event String could not be retrieved)  
An Error Event occured. EventID:  
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0x00000457  
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```
..... INKO-FS1 failed test
systemlog
Starting test: VerifyReferences
..... INKO-FS1 passed test
VerifyReferences
Running partition tests on : ForestDnsZones
Starting test: CrossRefValidation
..... ForestDnsZones passed test
CrossRefValidation
Starting test: CheckSDRefDom
..... ForestDnsZones passed test
CheckSDRefDom
Running partition tests on :
DomainDnsZones
Starting test: CrossRefValidation
..... DomainDnsZones passed
test
CrossRefValidation
Starting test: CheckSDRefDom
..... DomainDnsZones passed
test
CheckSDRefDom
Running partition tests on : Schema
Starting test: CrossRefValidation
..... Schema passed test
CrossRefValidation
Starting test: CheckSDRefDom
..... Schema passed test
CheckSDRefDom
Running partition tests on : Configuration
Starting test: CrossRefValidation
..... Configuration passed test
CrossRefValidation
Starting test: CheckSDRefDom
..... Configuration passed test
CheckSDRefDom
Running partition tests on : inko
Starting test: CrossRefValidation
..... inko passed test
CrossRefValidation
Starting test: CheckSDRefDom
..... inko passed test
CheckSDRefDom
Running enterprise tests on : inko
Starting test: Intersite
..... inko passed test Intersite
Starting test: FsmoCheck
..... inko passed test FsmoCheck
C:\Documents and
Settings\Administrator.INKO>
C:\Documents and
```

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Settings\Administrator.INKO>netdiag

```
.....  
Computer Name: INKO-FS1  
DNS Host Name: inko-fs1.inko  
System info : Windows 2000 Server (Build  
3790)  
Processor : x86 Family 6 Model 15 Stepping  
6, GenuineIntel  
List of installed hotfixes :  
KB921503  
KB924667-v2  
KB925398_WMP64  
KB925902  
KB926122  
KB927891  
KB929123  
KB930178  
KB931784  
KB931836  
KB932168  
KB933360  
KB933566  
KB933854  
KB935839  
KB935840  
KB935966  
KB936021  
KB936357  
KB936782  
KB937143  
KB938127  
Q147222  
Netcard queries test . . . . . : Passed  
[WARNING] The net card 'HP NC373i  
Multifunction Gigabit Server  
Adapter'  
may  
not be working.  
Per interface results:  
  
Adapter : Local Area Connection 3  
  
Netcard queries test . . . : Passed  
  
Host Name. . . . . : inko-fs1.inko  
IP Address . . . . . : 192.168.1.100  
Subnet Mask. . . . . : 255.255.255.0  
Default Gateway. . . . . : 192.168.1.1  
Dns Servers. . . . . : 192.168.1.100
```

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AutoConfiguration results. . . . . : Passed  
Default gateway test . . . : Passed

NetBT name test. . . . . : Passed  
[WARNING] At least one of the <00>  
'WorkStation Service', <03>  
'Messenger Service', <20> 'WINS' names is missing.  
No remote names have been found.  
WINS service test. . . . . : Skipped  
There are no WINS servers configured for  
this interface.

Global results:  
Domain membership test . . . . . : Passed

NetBT transports test. . . . . : Passed  
List of NetBt transports currently  
configured:  
NetBT\_Tcpip\_{D0836952-3AC9-4DAF-8E51-61688468B0B3}  
1 NetBt transport currently configured.  
Autonet address test . . . . . : Passed  
IP loopback ping test. . . . . : Passed

Default gateway test . . . . . : Passed

NetBT name test. . . . . : Passed  
[WARNING] You don't have a single  
interface with the <00>  
'WorkStation  
Service', <03> 'Messenger Service', <20> 'WINS'  
names defined.  
Winsock test . . . . . : Passed

DNS test . . . . . : Passed  
PASS – All the DNS entries for DC are  
registered on DNS server  
'192.168.1.10  
'0'.

Redir and Browser test . . . . . : Passed  
List of NetBt transports currently bound to  
the Redir  
NetBT\_Tcpip\_{D0836952-3AC9-4DAF-8E51-61688468B0B3}  
The redir is bound to 1 NetBt transport.  
List of NetBt transports currently bound to  
the browser  
NetBT\_Tcpip\_{D0836952-3AC9-4DAF-8E51-61688468B0B3}  
The browser is bound to 1 NetBt transport.  
DC discovery test. . . . . : Passed  
DC list test . . . . . : Passed

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Trust relationship test. . . . . : Skipped

Kerberos test. . . . . : Passed

LDAP test. . . . . : Passed

Bindings test. . . . . : Passed

WAN configuration test . . . . . : Skipped

No active remote access connections.

Modem diagnostics test . . . . . : Passed

IP Security test . . . . . : Skipped

Note: run "netsh ipsec dynamic show /?" for more detailed information

The command completed successfully

C:\Documents and Settings\Administrator.INKO>

C:\Documents and Settings\Administrator.INKO>ipconfig /all

#### Windows IP Configuration

Host Name . . . . . : inko-fs1  
Primary Dns Suffix . . . . . : inko  
Node Type . . . . . : Unknown  
IP Routing Enabled. . . . . : No  
WINS Proxy Enabled. . . . . : No  
DNS Suffix Search List. . . . . : inko  
Ethernet adapter Local Area Connection 3:  
Connection-specific DNS Suffix . : inko  
Description . . . . . : HP Network Team #1  
Physical Address. . . . . :  
00-18-FE-7E-CB-46  
DHCP Enabled. . . . . : No  
IP Address. . . . . : 192.168.1.100  
Subnet Mask . . . . . : 255.255.255.0  
Default Gateway . . . . . : 192.168.1.1  
DNS Servers . . . . . : 192.168.1.100  
C:\Documents and Settings\Administrator.INKO>  
"Meinolf Weber" wrote:

Hello Bjørn,

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Did you run dcdiag and netdiag on the DC's? Please post the result of it, also post an ipconfig /all from the DC's.

Best regards

Meinolf Weber  
Disclaimer: This posting is provided "AS IS" with no warranties, and confers no rights.

We're experiencing a strange problem on a newly promoted DC.

Every now and then (sometimes daily, sometimes more rare), DNS stops responding to DNS requests. Service running, but no answer. We've tried to browse the Event logs, reinstall DNS on DC and so on... Nothing helps...

The only clue is that

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recursive  
query fails  
(responds to  
local  
lookups, but  
not to  
external)

Server is  
2003 R2  
SP2

I suspect  
AD corrupt,  
but now we  
need serious  
help to  
know where  
to start look  
for  
erros/misconfiguration/corruption...