

Re: DNS stops runing about once a week

Source:

<http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.dns/2008-01/msg00266.html>

- *From:* "Ace Fekay [MVP]" <PleaseAskMe@xxxxxxxxxxxxxxx>
 - *Date:* Tue, 22 Jan 2008 00:06:15 -0500
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In news:3AAFF90C-570F-4FE2-8584-A2BA445F22E1@xxxxxxxxxxxxxx, warren <warren@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> typed:

Server is a DC GC and exchange server (they only have ONE server)
Only one nic
Adsl with pppoe
Forwarders are configured

```
C:\Documents and Settings\Administrator>ipconfig /all
```

Windows IP Configuration

```
Host Name . . . . . : FM5SERVER
Primary Dns Suffix . . . . . : cspi.local
Node Type . . . . . : Hybrid
IP Routing Enabled. . . . . : No
WINS Proxy Enabled. . . . . : No
DNS Suffix Search List. . . . . : cspi.local
```

Ethernet adapter Local Area Connection:

```
Connection-specific DNS Suffix . :
Description . . . . . : Intel(R) PRO/1000 MT Network
Connection Physical Address. . . . . : 00-0F-1F-FA-74-17
DHCP Enabled. . . . . : No
IP Address. . . . . : 192.168.0.100
Subnet Mask . . . . . : 255.255.255.0
Default Gateway . . . . . : 192.168.0.1
DNS Servers . . . . . : 192.168.0.100
192.168.0.1
```

we only added the 192.168.0.1 dns in the second entry in the last week
it semmed to have helped. as the dns stopping only happens once a
week now.

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C:\Documents and Settings\Administrator>net start
These Windows services are started:

Alert Notification Server
Alerter
Application Experience Lookup Service
Application Management
Automatic Updates
Background Intelligent Transfer Service
CA BrightStor Backup Agent RPC Server
CA BrightStor Database Engine
CA BrightStor Discovery Service
CA BrightStor Domain Server
CA BrightStor Job Engine
CA BrightStor Message Engine
CA BrightStor Service Controller
CA BrightStor Tape Engine
CA BrightStor Universal Agent
CA Remote Procedure Call Server
COM+ Event System
Computer Browser
Cryptographic Services
DCOM Server Process Launcher
DHCP Client
Disk Management Service
Diskeeper
Distributed File System
Distributed Transaction Coordinator
DNS Client
DNS Server
Error Reporting Service
Event Log
Event Log Watch
File Replication Service
File Server for Macintosh
FileMaker Server
FTP Publishing Service
GFI List Server
GFI MailEssentials Enterprise Transfer Service
GFI MailEssentials Legacy Attendant Service
GFI MailEssentials Managed Attendant Service
GFI POP2Exchange
Help and Support
HTTP SSL
IIS Admin Service
Intel PDS
Intersite Messaging
IPSEC Services
iTechnology iGateway 4.0
Kerberos Key Distribution Center

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Logical Disk Manager
Message Queuing
Microsoft Exchange Information Store
Microsoft Exchange Management
Microsoft Exchange MTA Stacks
Microsoft Exchange POP3
Microsoft Exchange Routing Engine
Microsoft Exchange System Attendant
Microsoft Search
mr2kserv
Net Logon
Network Connections
Network Location Awareness (NLA)
NT LM Security Support Provider
pcAnywhere Host Service
Pervasive.SQL Workgroup Engine
Plug and Play
Print Spooler
Protected Storage
Remote Access Connection Manager
Remote Procedure Call (RPC)
Remote Procedure Call (RPC) Locator
Remote Registry
Reporting Agents
Secondary Logon
Security Accounts Manager
Server
Shell Hardware Detection
Simple Mail Transfer Protocol (SMTP)
Symantec AntiVirus
Symantec AntiVirus Definition Watcher
Symantec Event Manager
Symantec Mail Security for Microsoft Exchange
Symantec Mail Security Utility Service
Symantec Settings Manager
Symantec SPBBCSvc
Symantec System Center Discovery Service
System Event Notification
Task Scheduler
TCP/IP NetBIOS Helper
Telephony
Terminal Services
VNC Server
Windows Audio
Windows Internet Name Service (WINS)
Windows Management Instrumentation
Windows Time
Wireless Configuration
Workstation
World Wide Web Publishing Service

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The command completed successfully.

Thanks for posting this information. I am willing to put my money on the ADSL router. Look in it's config and see if you can configure it to be always "on" and not when something asks for a connection. Also in DNS server properties, Interface tab, force it to only use 192.168.0.100. Under the Forwarders tab, configure a forwarder for "All other domains" to use your ISP's DNS. These actions force DNS to only use the connection.

Note: You DEFINATELY want to remove the router's IP from DNS. Otherwise it can cause numerous AD issues that will affect many things including Exchange.

More info:

The following article is not necessarily the cause because it refers to binding to the RRAS IP of the PPPoE connection if directly connected and using PPPoE to share the connect. I believe what *may* be going on is if the router is asleep and DNS attempts to send a query, it may fail and *might* cause this. I've seen issues, including MTU problems, with ADSL services. ADSL is not necessarily the choice for a business connection, but I can understand and well respect meeting budgets and/or if the area you are located in may be limited to services offered .

175436 – microsoft nt4 dns stops forwarding queries after ppp link goes down {maybe applies to w2k too]:
<http://support.microsoft.com/?id=175436>

Then again, I can be totally wrong. ;-)

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Regards,
Ace

This posting is provided "AS-IS" with no warranties or guarantees and confers no rights.

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Infinite Diversities in Infinite Combinations

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