DNScmd examples

/Info

The following command displays information about the status of the DNS server at the IP address 172.16.12.1:

dnscmd 172.16.12.1 /info

Output

```
DNS Server 172.16.12.1 Information:
C:\>dnscmd 172.16.12.1 /info
Query result:
Server info:
        ptr              = 00074718
        server name      = myserver.microsoft.com
        version          = C2000005
        DS container     = c
  Configuration:
        dwLogLevel               = 00000000
        dwDebugLevel             = 00000000
        dwRpcProtocol            = FFFFFFFF
        dwNameCheckFlag          = 00000002
        cAddressAnswerLimit      = 0
        dwRecursionRetry         = 3
        dwRecursionTimeout       = 15
        dwDsPollingInterval      = 300
  Configuration Flags:
        fBootMethod                 = 3
        fAdminConfigured            = 1
        fAllowUpdate                = 1
        fDsAvailable                = 1
        fAutoReverseZones           = 1
        fAutoCacheUpdate            = 0
        fSlave                      = 0
        fNoRecursion                = 0
        fRoundRobin                 = 1
        fLocalNetPriority           = 1
        fStrictFileParsing          = 0
        fLooseWildcarding           = 0
        fBindSecondaries            = 1
        fWriteAuthorityNs           = 0
  Aging Configuration:
        ScavengingInterval          = 0
        DefaultAgingState           = 0
        DefaultRefreshInterval      = 168
        DefaultNoRefreshInterval    = 168
  ServerAddresses:
        Addr Count = 1
                Addr[0] => 172.16.12.1
  ListenAddresses:
        NULL IP Array.
  Forwarders:
        Addr Count = 1
                Addr[0] => 172.16.4.3
        forward timeout  = 5
        slave            = 0
Command completed successfully.
```

/resetlistenaddresses

The following command specifies two servers to service DNS requests for the current computer.

dnscmd . /resetlistenaddresses 2 1.1.1.65 1.1.1.1

Output

```
ListenAddresses reset successful.
Command successfully completed.
```

/resetforwarders

The following command specifies two forwarders for the local DNS server and sets the forwarders as slaves, with a timeout

value of one second.

dnscmd localhost /resetforwarders 2 1.1.1.1 2.2.2.2 fslave 1

Output

```
Forwarders reset successful.
```

/statistics

The following command displays the complete statistics data for the server with the IP address of 172.21.130.19.

dnscmd 172.21.130.19 /statistics

Output

```
DNS Server 172.21.130.19 statistics:

DNS Statistics
--------------
        Server start time    4/22/98 4:08:19 PM
        Stats last cleared   4/22/98 4:08:19 PM
        Seconds since clear 363

Queries and Responses:
----------------------
Total:
        Queries Received = 2
        Responses Sent   = 2
UDP:
        Queries Recvd    = 2
        Responses Sent   = 2
        Queries Sent     = 6
        Responses Recvd  = 3
TCP:
        Client Connects  = 0
        Queries Recvd    = 0
        Responses Sent   = 0
        Queries Sent     = 0
        Responses Recvd  = 0

Recursion:
----------
        Packets    = 1
        Lookups    = 2
        Questions  = 1
        Passes     = 3
        Forwards   = 2
        Sends      = 2
        Responses  = 0
        Timeouts   = 2
        Failures   = 0
        Incomplete = 0
TCP Recursion:
        Try      = 0
        Query    = 0
        Response = 0
Root Query:
        Query    = 1
        Response = 0

WINS Referrals:
---------------
Forward:
        Lookups   = 0
        Responses = 0
Reverse:
        Lookups   = 0
        Responses = 0

Secondary Zone Transfer:
------------------------
SOA Queries     = 1
```

```
SOA Responses   = 1
Notifies Recvd  = 0
AXFR Requests   = 0
AXFR Rejected   = 0
AXFR Failed     = 0
AXFR Successful = 0

Master Zone Transfer:
---------------------
Notifies Sent           = 3
AXFR Requests Recvd     = 0
AXFR Invalid Requests   = 0
AXFR Denied (Security)  = 0
AXFR Refused            = 0
AXFR Failed             = 0
AXFR Successful         = 0

Database:
---------
Nodes
  InUse    = 48
  Memory   = 3721
Records
  InUse    = 44
  Memory   = 5446
Database Total
  Memory   = 9167

RR Caching:
        Total      = 0
        Current    = 0
        Timeouts   = 0

Domain Nodes:
        Alloc      = 66
        Free       = 0
        NetAllocs  = 66
        Memory     = 3721

        Used       = 48
        Returned   = 0
        InUse      = 48

        Std Alloc  = 64
        Std Used   = 46
        Std Return = 0
        InFreeList = 18

Records:
        Alloc      = 263
        Free       = 0
        NetAllocs  = 263
        Memory     = 5446

        Used       = 45
        Returned   = 1
        InUse      = 44

        Std Alloc  = 254
        Std Used   = 36
        Std Return = 1
        InFreeList = 219

Packet Memory Usage:
--------------------
UDP Messages:
        Alloc      = 5
        Free       = 0
        NetAllocs  = 5
        Memory     = 6255
```

```
        Used       = 11
        Returned   = 9
        InUse      = 2
        InFreeList = 3

TCP Messages:
        Alloc      = 0
        Realloc    = 0
        Free       = 0
        NetAllocs  = 0
        Memory     = 0

Recursion Messages:
        Used       = 1
        Returned   = 1


Nbstat Memory Usage:
--------------------
Nbstat Buffers:
        Alloc      = 0
        Free       = 0
        NetAllocs  = 0
        Memory     = 0
        Used       = 0
        Returned   = 0
        InUse      = 0
        InFreeList = 0

Command successfully completed.
```

/Zoneadd

The following command creates the zone microsoft.com as a secondary zone on the current computer, with the server at the address 172.16.12.1 specified as the primary server.

dnscmd . /zoneadd microsoft.com /secondary 172.16.12.1

Output

```
DNS Server . created zone microsoft.com:
Command completed successfully.
```

/Enumrecords

The following command enumerates the records for the newly-created zone "test.microsoft.com".

dnscmd . /enumrecords /zone microsoft.com

Output

```
C:\>dnscmd . /enumrecords /zone microsoft.com
Returned records:
@         3600 NS        idaho.microsoft.com.
          3600 SOA       idaho.microsoft.com. admin.microsoft.com. 2 900 600 86400 3600
test      3600 CNAME     test.microsoft.com.
Command completed successfully.

Note: (THIS IS YOUR ZONE)  test      3600 CNAME     test.microsoft.com.
```

/Enumzones

The following command enumerates the secondary zones for the current DNS server.

dnscmd . /enumzones /secondary

Output

```
C:\>dnscmd . /enumzones /secondary
Enumerated zone list:

        Zone Count = 1.

 microsoft.com                     2  file             Up=0
```

```
Command completed successfully.
```

/Zonedelete

The following command deletes the zone microsoft.com from the current DNS server.

dnscmd . /zonedelete microsoft.com

Output

```
C:\>dnscmd . /zonedelete microsoft.com
Are you sure to you want to DeleteZone?(y/n) y

DNS Server . deleted zone microsoft.com:
        Status = 0 (0x00000000)
Command completed successfully.
```

DNScmd syntax

DNS Server Troubleshooting Tool (Dnscmd.exe)