

Technical Note: DNS resolution not working when DNS Server configured to 'Same as Interface IP'

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Technical Note: DNS resolution not working when DNS Server configured to 'Same as Interface IP'

This article provides a solution to DNS resolution not working when DNS Server is configured to "Same as Interface IP".

root

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Edit Interface

Interface Name

LAN

Alias

Type

Hardware Switch

Virtual Domain

root

Interface Members

lan1lan3lan4

Role

LAN

Address

Addressing mode

Manual

DHCP

PPPoE

IP/Network Mask

10.66.66.254/255.255.255.0

IPv6 Addressing mode

Manual

DHCP

IPv6 Address/Prefix

::/0

Administrative Access

IPv4

☒

HTTPS

☒

SSH

☐

FortiTelemetry

☐

HTTP

☒

SNMP

☐

FTM

☒

PING

☐

FTM

IPv6 Administrative Access

☐

HTTPS

☐

SSH

☐

HTTP

☐

SNMP

☐

PING

☐

FTM

DHCP Server

Address Range

+ Create New

Edit

Delete

Starting IP

End IP

10.66.66.100

10.66.66.253

Netmask

255.255.255.0

Default Gateway

Same as Interface IP

Specify

DNS Server

Same as System DNS

Same as Interface IP

Specify

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DNS resolution can be seen to fail.

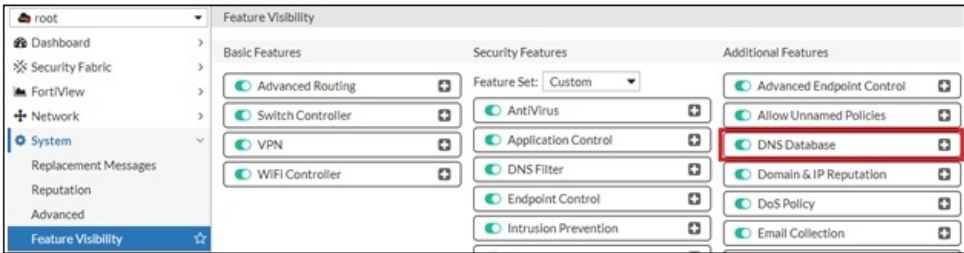
```
C:\WINDOWS\system32>nslookup
DNS request timed out.
    timeout was 2 seconds.
Default Server: UnKnown
Address: 10.66.66.254

> msn.com
Server: UnKnown
Address: 10.66.66.254

DNS request timed out.
    timeout was 2 seconds.
DNS request timed out.
    timeout was 2 seconds.
DNS request timed out.
    timeout was 2 seconds.
DNS request timed out.
    timeout was 2 seconds.
*** Request to UnKnown timed-out
>
```

Solution

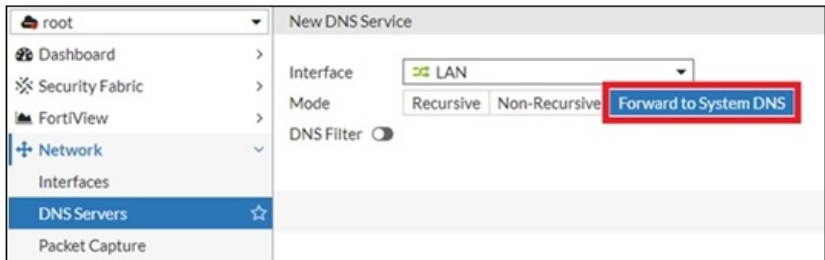
Enable the DNS Database Feature.



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Configure a DNS Server for the interface that DNS requests will be sent to.

Set the mode to "Forward to System DNS".



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DNS resolution can now be seen to be successful.

```
C:\WINDOWS\system32>nslookup
Default Server: UnKnown
Address: 10.66.66.254

> msn.com
Server: UnKnown
Address: 10.66.66.254

Non-authoritative answer:
Name: msn.com
Address: 13.82.28.61

>
```

Posted by: Les Carr - Wed, Aug 9, 2017 at 5:32 PM. This article has been viewed 10080 times.

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