

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

135 Les Carr Wed, Aug 9, 2017 [Fortigate UTM](#) 7590

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

The screenshot displays the 'Edit Interface' configuration for the 'LAN' interface. The left sidebar shows the navigation menu with 'Network' expanded and 'Interfaces' selected. The main configuration area is divided into several sections:

- Interface Information:** Interface Name (LAN), Alias (empty), Type (Hardware Switch), Virtual Domain (root), Interface Members (lan1, lan3, lan4), and Role (LAN).
- Addressing:** Addressing mode (Manual), IP/Network Mask (10.66.66.254/255.255.255.0), IPv6 Addressing mode (Manual), and IPv6 Address/Prefix (::/0).
- Administrative Access:** IPv4 access is enabled for HTTPS, SSH, and FortiTelemetry. IPv6 administrative access is disabled for all protocols.
- DHCP Server:** Enabled. Address Range is 10.66.66.100 to 10.66.66.253. Netmask is 255.255.255.0. Default Gateway is 'Same as Interface IP'. DNS Server is 'Same as Interface IP' (highlighted with a red box).

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DNS resolution can be seen to fail.

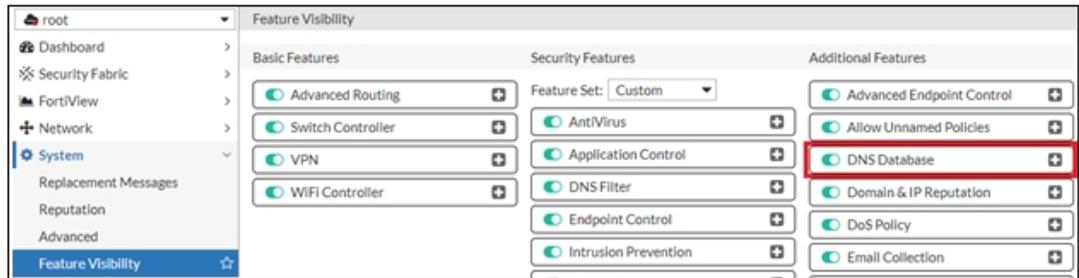
```
C:\WINDOWS\system32>nslookup
DNS request timed out.
    timeout was 2 seconds.
Default Server:  UnKnown
Address:  10.66.66.254

> msn.com
Server:  UnKnown
Address:  10.66.66.254

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

Solution

Enable the DNS Database Feature.

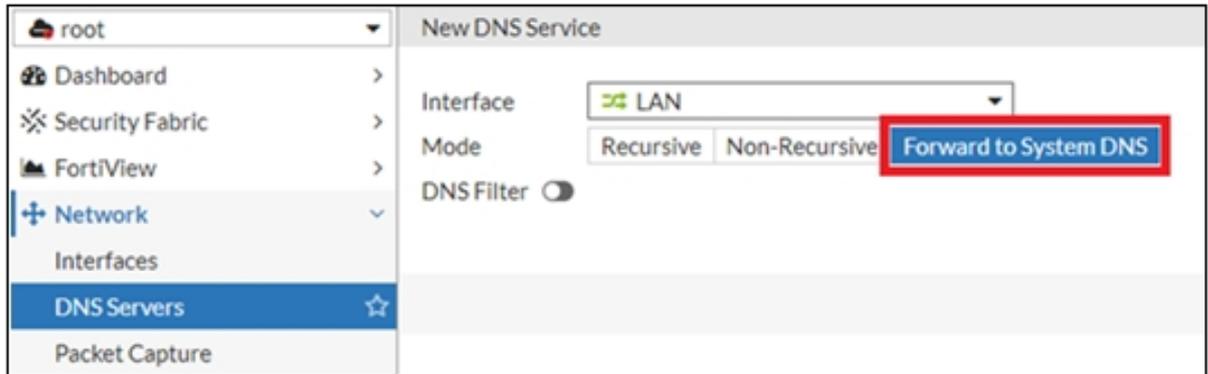


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Configure a DNS Server for the interface that DNS requests will be sent to.

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

>
```

Online URL: <https://kb2.ic.uk/article.php?id=135>