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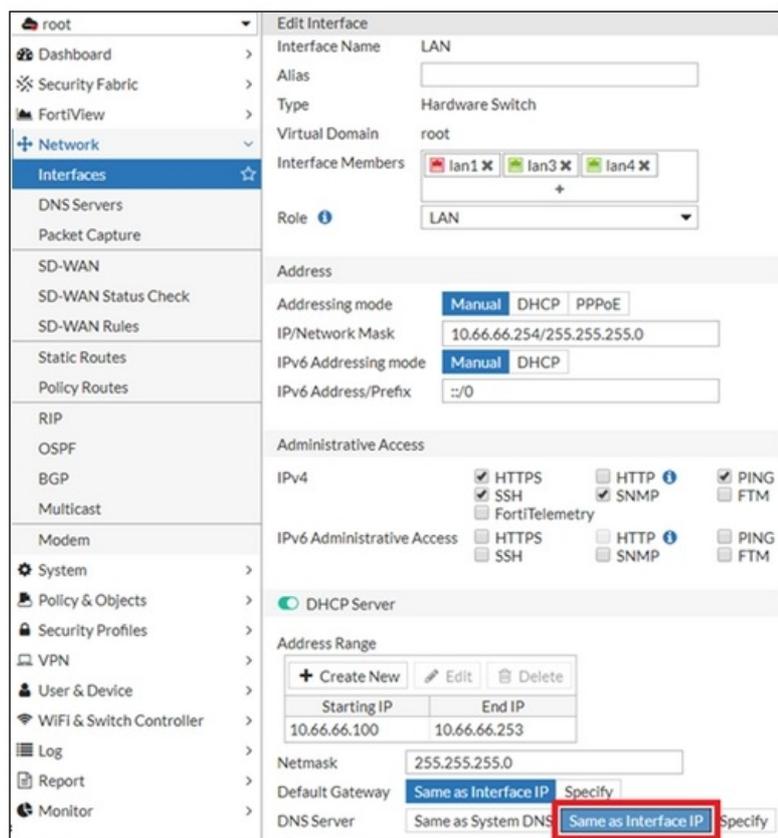
Technical Note: DNS resolution not working when DNS Server configured to 'Same as Interface IP'

Products

Products
FortiGate v5.2
FortiGate v5.4
FortiGate v5.6

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

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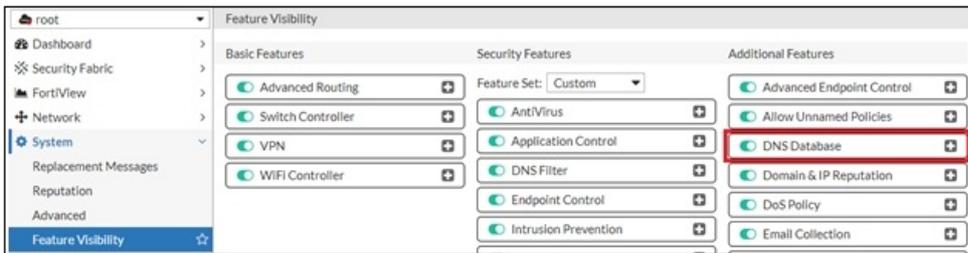
DNS resolution can be seen to fail.

```
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
>
```
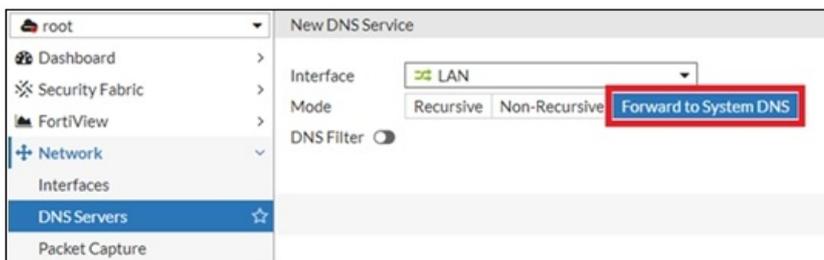
Solution

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

>
```