



DNS forwarding

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Use DNS forwarding if you want your router to function as a DNS server for the local network. There are several options, the easiest being 'forward all traffic to the system DNS server(s)' (defined with `set system name-server`):

```
vyos@vyos-rtr# set service dns forwarding system
```

Manually setting DNS servers for forwarding:

```
vyos@vyos-rtr# set service dns forwarding name-server 8.8.8.8
vyos@vyos-rtr# set service dns forwarding name-server 8.8.4.4
```

Manually setting DNS servers with IPv6 connectivity:

```
vyos@vyos-rtr# set service dns forwarding name-server
2001:4860:4860::8888
vyos@vyos-rtr# set service dns forwarding name-server
2001:4860:4860::8844
```

Setting a forwarding DNS server for a specific domain:

```
vyos@vyos-rtr# set service dns forwarding domain example.com server
192.0.2.1
```

Example 1: router with two interfaces eth0 (WAN link) and eth1 (LAN). A DNS server for the local domain (example.com) is at 192.0.2.1, other DNS requests are forwarded to Google's DNS servers.

```
vyos@vyos-rtr# set service dns forwarding domain example.com server
192.0.2.1
vyos@vyos-rtr# set service dns forwarding name-server 8.8.8.8
vyos@vyos-rtr# set service dns forwarding name-server 8.8.4.4
vyos@vyos-rtr# set service dns forwarding listen-on 'eth1'
```

Example 2: Same as example 1 but with additional IPv6 addresses for Google's public DNS servers:

```
vyos@vyos-rtr# set service dns forwarding domain example.com server
192.0.2.1
vyos@vyos-rtr# set service dns forwarding name-server 8.8.8.8
```

```
vyos@vyos-rtr# set service dns forwarding name-server 8.8.4.4
vyos@vyos-rtr# set service dns forwarding name-server
2001:4860:4860::8888
vyos@vyos-rtr# set service dns forwarding name-server
2001:4860:4860::8844
vyos@vyos-rtr# set service dns forwarding listen-on 'eth1'
```