

DNS: Configuration

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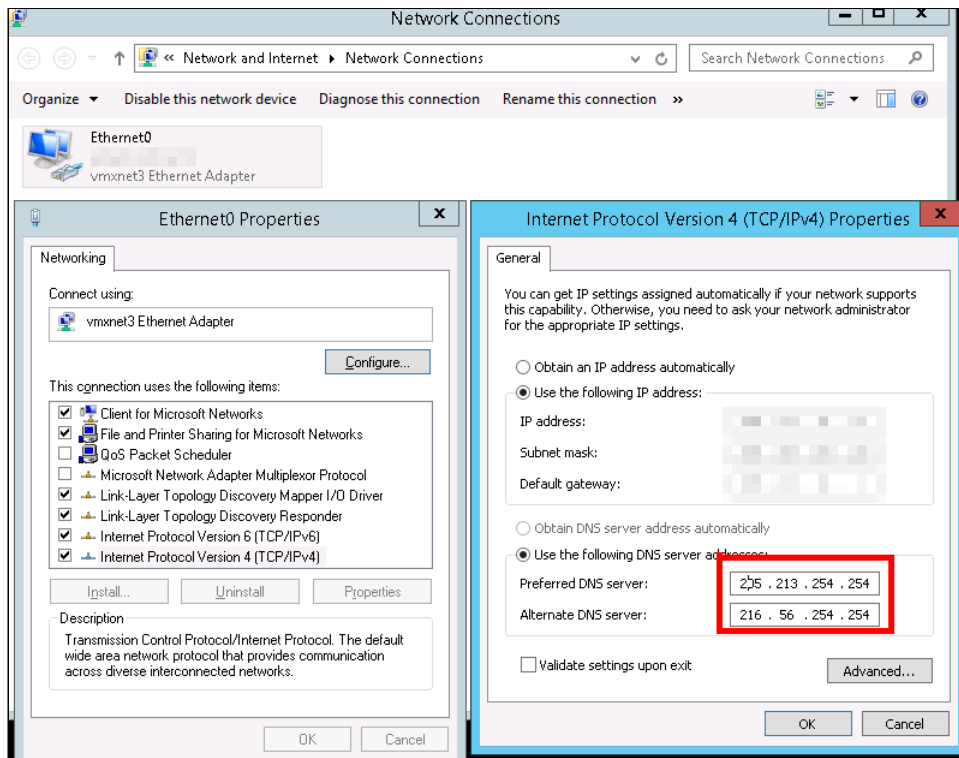
Where to look to set Recursive DNS servers on various platforms and services. See [WiscNet Servers](#) for DNS server IP addresses.

Windows

System

Instructions	Screenshot
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1. Go to the **Control Panel**.
2. Click **Network and Internet** > **Network and Sharing Center** > **Change adapter settings**.
3. To change the settings for an Ethernet connection, right-click the Ethernet interface and select **Properties**.
4. Select the **Networking** tab. Under **This connection uses the following items**, select **Internet Protocol Version 4 (TCP/IPv4)** or **Internet Protocol Version 6 (TCP/IPv6)** and then click **Properties**.
5. Click **Advanced** and select the **DNS** tab. If there are any DNS server IP addresses listed there, write them down for future reference, and remove them from this window.



DHCP Server

Instructions

1. Launch DHCP Management Console

2. Navigate to a DHCP Scope

3. Right-click Scope Options

Configure Options

Client may not update until DHCP leases time out

Screenshot

DHCP

File Action View Help

IPv4

Scope [10.0.0.0] Default

Address Pool

Address Leases

Reservations

Scope Options

Policies

Scope [10.0.1.0] Client

Server Options

Policies

Filters

IPv6

Option Name

Vendor

Value

003 Router

Standard

10.0.0.1

006 DNS Servers

Standard

10.0.0.10, 10.0.0.11

015 DNS Domain Name

Standard

Configure Options...

View

Refresh

Export List...

Help

DNS Server

Forwarders may be empty if you are using Root Hints

Instructions

Screenshot

1. Run **dns mgmt.msc**

2. Right-click the server name in the left column, choose **Properties**

3. Navigate to the **Forwarders** tab

4. Edit IP addresses in list to match the Recursive DNS servers listed on [WiscNet Servers](#)

DNS Manager

FileActionViewHelp

DNS

Forward Lookup ZonesReverse Lookup ZonesTrust PointsConditional ForwardersGlobal Logs

Name

Forward Lookup ZonesReverse Lookup ZonesTrust PointsConditional ForwardersGlobal LogsRoot HintsForwarders

Properties

Debug LoggingEvent LoggingMonitoringSecurity

Interfaces

Forwarders

AdvancedRoot Hints

Forwarders are not available because this server does not use recursion.

IP AddressServer FQDN

☒ Use root hints if no forwarders are available

Edit...

Note: If conditional forwarders are defined for a given domain, they will be used instead of server-level forwarders. To create or view conditional forwarders, navigate to the Conditional Forwarders node in the scope tree.

OKCancelApplyHelp

Firewalls

Cisco ASA

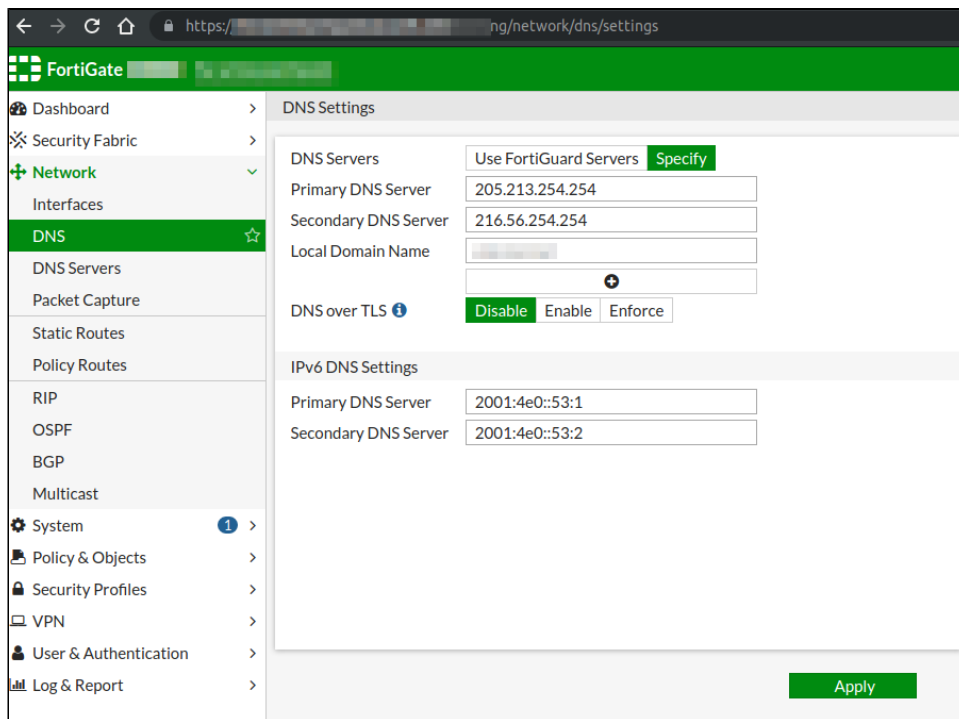
Instructions	Screenshot

Fortigate

Instructions	Screenshot
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System

1. Log in to Fortigate Admin Interface
2. Navigate to **Network DNS**
3. Configure DNS servers per [Wisc Net Servers](#)



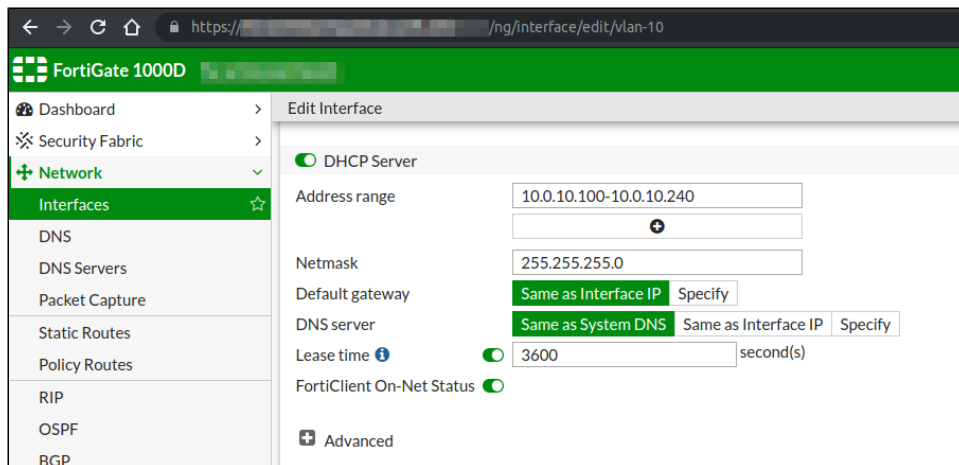
The screenshot shows the FortiGate web interface at the URL `https://[redacted]/ng/network/dns/settings`. The left sidebar shows the navigation menu with 'Network' expanded and 'DNS' selected. The main content area is titled 'DNS Settings' and contains the following fields:

- DNS Servers:** A dropdown menu set to 'Use FortiGuard Servers' with a 'Specify' button next to it.
- Primary DNS Server:** Text input field containing '205.213.254.254'.
- Secondary DNS Server:** Text input field containing '216.56.254.254'.
- Local Domain Name:** Text input field with a '+' button to add a new domain.
- DNS over TLS:** Three buttons: 'Disable' (highlighted in green), 'Enable', and 'Enforce'.
- IPv6 DNS Settings:**
 - Primary DNS Server:** Text input field containing '2001:4e0::53:1'.
 - Secondary DNS Server:** Text input field containing '2001:4e0::53:2'.

An 'Apply' button is located at the bottom right of the settings area.

DHCP Server

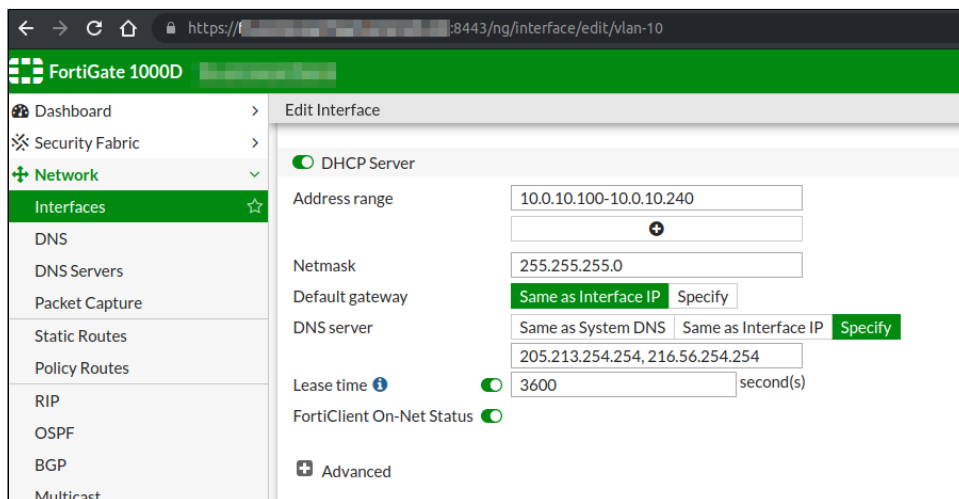
1. Log in to Fortigate Admin Interface
2. Navigate to **Network Interface**
3. Double click on interface that has DHCP Configured
4. DNS Server set to either:
 - a. Same as System
 - b. Specify



The screenshot shows the FortiGate web interface at the URL `https://[redacted]/ng/interface/edit/vlan-10`. The left sidebar shows the navigation menu with 'Network' expanded and 'Interfaces' selected. The main content area is titled 'Edit Interface' and contains the following fields:

- DHCP Server:** A radio button that is selected.
- Address range:** Text input field containing '10.0.10.100-10.0.10.240'.
- Netmask:** Text input field containing '255.255.255.0'.
- Default gateway:** A dropdown menu set to 'Same as Interface IP' with a 'Specify' button next to it.
- DNS server:** A dropdown menu set to 'Same as System DNS' with a 'Specify' button next to it.
- Lease time:** Text input field containing '3600' with a unit of 'second(s)'.
- FortiClient On-Net Status:** A radio button that is selected.

An 'Advanced' button is located at the bottom left of the settings area.



The screenshot shows the FortiGate web interface at the URL `https://[redacted]:8443/ng/interface/edit/vlan-10`. The left sidebar shows the navigation menu with 'Network' expanded and 'Interfaces' selected. The main content area is titled 'Edit Interface' and contains the following fields:

- DHCP Server:** A radio button that is selected.
- Address range:** Text input field containing '10.0.10.100-10.0.10.240'.
- Netmask:** Text input field containing '255.255.255.0'.
- Default gateway:** A dropdown menu set to 'Same as Interface IP' with a 'Specify' button next to it.
- DNS server:** A dropdown menu set to 'Same as System DNS' with a 'Specify' button next to it.
- Lease time:** Text input field containing '3600' with a unit of 'second(s)'.
- FortiClient On-Net Status:** A radio button that is selected.

An 'Advanced' button is located at the bottom left of the settings area.

VPN Clients

1. Log in to Fortigate Admin Interface

2. Navigate to VPN Settings

3. DNS Server set to either:

a. Same as System

b. Specify

FortiGate 1000D

Dashboard

Security Fabric

Network

System

Policy & Objects

Security Profiles

VPN

Overlay Controller VPN

Ipssec Tunnels

Ipssec Wizard

Ipssec Tunnel Template

SSL-VPN Portals

SSL-VPN Settings

SSL-VPN Settings

Tunnel Mode Client Settings

Address Range

Automatically assign addressesSpecify custom IP ranges

Tunnel users will receive IPs in the range of 10.0.11.100 - 10.0.11.250, fdff:ffff::/120

DNS Server

Same as client system DNSSpecify

DNS Server #1

216.56.254.254

DNS Server #2

205.213.254.254

IPv6 DNS Server #1

2001:4e0::53:1

IPv6 DNS Server #2

2001:4e0::53:2

Specify WINS Servers

Palo Alto

See official docs

- [PAN-OS Web Interface Reference: DHCP Server](#)
- [Assign multiple DNS servers to DHCP client from firewall](#)