

DNS Configuration — Kali Linux

Purpose

- Modify DNS settings to enhance anonymity and prevent traffic filtering.
 - Change name servers to avoid tracking through local gateways or ISPs.
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View Current DNS Settings

```
cat /etc/resolv.conf
```

Example output:

```
# Generated by NetworkManager
nameserver 192.168.1.1
```

This usually shows your router or gateway address. To improve privacy, you'll replace it with secure DNS servers.

Why Change DNS?

- The local DNS server (often your router) logs traffic requests.
 - Public or open DNS services don't record your local gateway activity.
 - Changing DNS makes it harder to trace your location and activity.
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Set Custom DNS Servers

Edit the DHCP client configuration file:

```
nano /etc/dhcp/dhclient.conf
```

Find this line:

```
#prepend domain-name-servers 127.0.0.1;
```

Uncomment and replace it with open DNS server addresses:

```
prepend domain-name-servers 208.67.222.222 208.67.220.220;
```

(These are **OpenDNS** IPs; you can use others like Google DNS or Cloudflare.)

Restart Network Services

```
service network-manager restart
```

Then verify the changes:

```
cat /etc/resolv.conf
```

Expected output:

```
# Generated by NetworkManager
search domain.name
nameserver 208.67.222.222
nameserver 208.67.220.220
```

Browser Configuration

Ensure your browser uses the system proxy settings:

1. Open **Iceweasel** (Firefox in Kali).
2. Go to **Preferences → Advanced → Network → Connection**.
3. Select **Use System Proxy Settings**.

This ensures DNS requests go through the same chain as your proxies.

Common Troubleshooting

- **DNS not changing:** Ensure Network Manager isn't overwriting resolv.conf.
 - **Still showing old DNS:** Restart the system or re-enable the `prepend` line.
 - **Slow connection:** Try faster public DNS servers (e.g., Google `8.8.8.8`, Cloudflare `1.1.1.1`).
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Tips & Notes

- Always combine custom DNS with ProxyChains or VPN for full anonymity.
- Avoid using your ISP's DNS; it records browsing history.
- OpenDNS, Google DNS, and Cloudflare DNS are reliable and fast.
- Example DNS options:
- OpenDNS → 208.67.222.222 , 208.67.220.220
- Google → 8.8.8.8 , 8.8.4.4
- Cloudflare → 1.1.1.1 , 1.0.0.1