

Configure Quad9 DNS

Overview:

This Bash script automates the process of configuring Quad9 DNS servers on Debian based systems using NetworkManager (nmcli). Quad9 DNS provides enhanced security and privacy features.

Usage:

1. Ensure NetworkManager (nmcli) is installed on your system.

```
$ nmcli -v
```

- If it is not installed then install it using this command:

```
$ sudo apt install network-manager
```

2. Execute the script using Bash.

```
$ sudo ./dns-init.sh
```

Verification:

1. After running the script, you can verify the Quad9 DNS setup by visiting <https://on.quad9.net> in your web browser.
 - Also you can use the nslookup:

```
$ nslookup google.com 9.9.9.9
```

- Or use dig

```
$ sudo apt install dnsutils
$ dig google.com@9.9.9.9
```

2. Additionally, you can check the system's DNS settings using the command .

```
$ nmcli dev show | grep DNS
```

Example:

```
server@pop-os:~/Desktop$ nmcli dev show | grep DNS
IP4.DNS[1]:          9.9.9.9
IP4.DNS[2]:          149.112.112.112
IP6.DNS[1]:          2620:fe::fe
IP6.DNS[2]:          2620:fe::9
```