How to disable unnecessary DNS service

I.   How to disable the server DNS service

i. Linux

- Connect to the server

- Input the command：netstat -tulpn | grep 53, check the service UDP 53 port

(if your server disabled the DNS service)

```
[root@www ~]# netstat -tulpn |grep 53
tcp       0      0 0.0.0.0:53496            0.0.0.0:*               LISTEN      1830/rpc.statd
```

(if your server enabled the DNS service)

```
[root@     ~]# netstat -tulpn |grep 53
tcp       0      0 140.120.  . :53          0.0.0.0:*               LISTEN      12943/named
tcp       0      0 127.0.0.1:53             0.0.0.0:*               LISTEN      12943/named
tcp6      0      0 :::53                    :::*                    LISTEN      12943/named
udp       0      0 140.120.  . :53          0.0.0.0:*                           12943/named
udp       0      0 127.0.0.1:53             0.0.0.0:*                           12943/named
udp6      0      0 :::53                    :::*                                12943/named
```

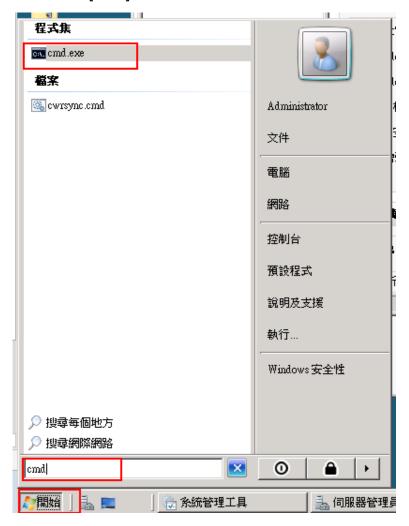- Close the DNS service

   Use Bind for example, enter the following command：

      systemctl stop named.service
      or
      service named stop

ii. Windows server

● Enter [cmd] in the search bar and a DOS window will appear

● Input [netstat -an], check the service UDP 53 port

● Close the DNS service

Go to Start / Server Manager /Roles , find DNS Server, select Stop or remove it.

II. How to disable the DNS service on your router

Some IP routers offer "router mode" or "AP mode." The former defaults to enabling the DNS relay function, providing DNS lookups for all IP addresses. It's recommended to disable the DNS relay function.

Because each brand has different setup methods, it's impossible to list all of them individually. This provides general setup instructions. You can search online for more details by entering your brand and model number.

i. Log in to the router management page

- Find the router's IP address: This is usually indicated on the bottom of the router or in the manual.
- Open a browser: Enter the router's IP address in the address bar and press Enter.
- Enter your username and password: Enter the router's administrative username and password.

ii. Find the DNS Relay settings page

- The interface may vary slightly between routers, but DNS settings are typically located under "Network Settings," "LAN Settings," "DNS Settings," or similar options.
- Search for keywords: Search for "DNS forwarding," "DNS relay," or "DNS server."

iii. Disable DNS Relay or DNS forwarding

- If there are settings like "Forward local domain queries to upstream DNS" or "Automatically connect to a DNS server," set them to "No."
- Find "DNS Relay" or a similar option; it will usually have a toggle or "Enable"/"Disable" option. Select "Disable" to disable this feature.

iv. ASUS router for example

Official documents：https://www.asus.com/support/faq/1045253/

v. D-link for example

Official documents：

https://legacy.us.dlink.com/pages/article.aspx?id=7d44d7612393435b9a832bb2f2 82120d