

# Configure Conditional Forwarder on PiHole

## Conditional forwarding

If not configured as your DHCP server, Pi-hole typically won't be able to determine the names of devices on your local network. As a result, tables such as Top Clients will only show IP addresses.

One solution for this is to configure Pi-hole to forward these requests to your DHCP server (most likely your router), but only for devices on your home network. To configure this we will need to know the IP address of your DHCP server and which addresses belong to your local network. Exemplary input is given below as placeholder in the text boxes (if empty).

If your local network spans 192.168.0.1 - 192.168.0.255, then you will have to input `192.168.0.0/24`. If your local network is 192.168.47.1 - 192.168.47.255, it will be `192.168.47.0/24` and similar. If your network is larger, the CIDR has to be different, for instance a range of 10.8.0.1 - 10.8.255.255 results in `10.8.0.0/16`, whereas an even wider network of 10.0.0.1 - 10.255.255.255 results in `10.0.0.0/8`. Setting up IPv6 ranges is exactly similar to setting up IPv4 here and fully supported. Feel free to reach out to us on our [Discourse forum](#) in case you need any assistance setting up local host name resolution for your particular system.

You can also specify a local domain name (like `fritz.box`) to ensure queries to devices ending in your local domain name will not leave your network, however, this is optional. The local domain name must match the domain name specified in your DHCP server for this to work. You can likely find it within the DHCP settings.

Enabling Conditional Forwarding will also forward all hostnames (i.e., non-FQDNs) to the router when "Never forward non-FQDNs" is *not* enabled.

The following list contains all reverse servers you want to add. The expected format is one server per line in form of `<enabled>,<ip-address>[/<prefix-len>],<server>[#<port>][,<domain>]`. A valid config line could look like `true,192.168.0.0/24,192.168.0.1,fritz.box`

```
true,10.0.1.0/24,10.0.1.1,coltscomputer.services
```

Enter one entry per line like the above

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