

## Improving DNS Lookups

This tip shows you how to improve DNS lookups by using multiple nameservers. This is useful if you've ever had your primary DNS server become unreachable for any reason.

Nameservers are listed in `/etc/resolv.conf`, one per line.

Code Listing 1: Example `/etc/resolv.conf`

```
nameserver 192.168.1.1
nameserver 10.0.0.1
```

To improve DNS lookups, add multiple DNS servers (preferably on different subnets) and the following options to `/etc/resolv.conf`:

Code Listing 2: `/etc/resolv.conf` options

```
options rotate
options timeout:1
```

This will use both nameserver in rotation and wait max. 1 second for answer before trying the next one.

From <http://www.gentoo.org/news/en/gwn/20040202-newsletter.xml>

```
image:rdf newsfeed //static.linuxhowtos.org/data/rdf.png (null)
|
image:rss newsfeed //static.linuxhowtos.org/data/rss.png (null)
|
image:Atom newsfeed //static.linuxhowtos.org/data/atom.png (null)
- Powered by
image:LeopardCMS //static.linuxhowtos.org/data/leopardcms.png (null)
- Running on
image:Gentoo //static.linuxhowtos.org/data/gentoo.png (null)
-
Copyright 2004-2020 Sascha Nitsch Unternehmensberatung GmbH
image:Valid XHTML1.1 //static.linuxhowtos.org/data/xhtml1.png (null)
:
image:Valid CSS //static.linuxhowtos.org/data/css.png (null)
:
image:buttonmaker //static.linuxhowtos.org/data/buttonmaker.png (null)
- Level Triple-A Conformance to Web Content Accessibility Guidelines 1.0 -
- Copyright and legal notices -
Time to create this page: ms
<!--
image:system status display /status/output.jpg (null)
-->
bodyloaded();
```