

Apache Module mod_proxy

See: https://httpd.apache.org/docs/current/mod/mod_proxy.html

Apache mod_proxy library: The ability to use Apache as a reverse proxy is provided through a shared library named mod_proxy.so. This module is not enabled by default, so you must edit Apache's httpd.conf file to enable it. You also need to enable Apache's mod_proxy_http.so shared library.

Enable the mod_proxy and mod_http modules in Apache's httpd.conf file. Uncomment the appropriate lines in Apache's httpd.conf file to enable the Apache mod_proxy and mod_proxy_http modules. **Note that this may not apply to newer versions of Apache2 and Ubuntu. SEE BELOW**

```
### Enable LoadModule entry for Apache mod_proxy and mod_proxy_http ###
#LoadModule proxy_fcgi_module modules/mod_proxy_fcgi.so
LoadModule proxy_module modules/mod_proxy.so
LoadModule proxy_http_module modules/mod_proxy_http.so
#LoadModule proxy_scgi_module modules/mod_proxy_scgi.so
```

Instead, maybe enable the appropriate apache proxy modules, and restart apache server:

```
sudo a2enmod proxy

sudo a2enmod proxy_http

sudo systemctl restart apache2
```

Example of Reverse Proxy/Gateway in apache virtual hosts file.

```
Reverse Proxy
ProxyPass "/foo" "http://foo.example.com/bar"
ProxyPassReverse "/foo" "http://foo.example.com/bar"
```

SEE the following PER ABOVE This is from Ubuntu server guide

<https://assets.ubuntu.com/v1/09200365-ubuntu-server-guide-2023-07-11.pdf>

```
Configure apache2
Apache2 is configured by placing directives in plain text configuration
files in /etc/apache2/. These directives are
separated between the following files and directories:
244
Files
• apache2.conf
The main Apache2 configuration file. Contains settings that are global to
Apache2.
Note: Historically, the main Apache2 configuration file was httpd.conf,
named after the "httpd"
daemon. In other distributions (or older versions of Ubuntu), the file might
```

be present. In modern releases of Ubuntu, all configuration options have been moved to `apache2.conf` and the below referenced directories and `httpd.conf` no longer exists.

- `envvars`

File where Apache2 environment variables are set.

- `magic`

Instructions for determining MIME type based on the first few bytes of a file.

- `ports.conf`

Houses the directives that determine which TCP ports Apache2 is listening on

Tutorial - Running a Reverse Proxy in Apache

<http://www.apachetutor.org/admin/reverseproxies>

From:

<https://installconfig.com/> - **Install Config Wiki**

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Last update: **2023/07/11 20:12**

