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

Virtual Host Examples

https://httpd.apache.org/docs/2.4/vhosts/examples.html

From:
https://installconfig.com/ - **Install Config Wiki**

Permanent link:
https://installconfig.com/doku.php?id=apache_module_mod_proxy&rev=1689107328

Last update: **2023/07/11 20:28**