

Apache HTTP Server as a reverse proxy on Ubuntu

To avoid exposing an additional port, AppServer port 2880, you can configure [Apache HTTP Server to act as a reverse proxy](#).

1. Enable **mod_proxy** and **mod_proxy_http** modules using **a2enmod** script within Apache configuration.

```
a2enmod proxy
a2enmod proxy_http
```

2. Find and open for editing WebSpellChecker config (**2_WebInterface.conf**) for Apache.

- File location on Linux-based environments: /etc/apache2/conf-available/2_WebInterface.conf

```
/etc/apache2/conf-available# nano 2_WebInterface.conf
```

3. At the very top or end of the file, add **ProxyPass** with the path to the application server (AppServer).

```
ProxyPass "/wscservice/api" "http://localhost:2880"
...
```

4. Save file and restart Apache.

```
service apache2 restart
```

5. In your browser, check **version** and **status** of the AppServer to verify if it works properly.

Check the **version**: <https://localhost/wscservice/api?cmd=ver>

Check the **status**: <https://localhost/wscservice/api?cmd=status>

Or in terminal using **wget** or **curl** commands.

Since AppServer responds in json, it's better to use **curl** as **wget** will suggest downloading a file.

```
/opt/WSC# curl https://localhost/wscservice/api?cmd=status --insecure

{
  "SpellCheckEngine": {
    "active": true
  },
  "GrammarCheckEngine": {
    "active": true
  },
  "ThesaurusEngine": {
    "active": true
  }
}
```