

# NodeJS Proxy via Apache

Here is how to serve nodejs entry points by using an Apache proxy. This hides the port number and the nodejs entry points simply appear as part of the “monolithic” application.

WINDOWS:

Setup is easy:

```
Include "conf/extra/httpd-proxy.conf"
LoadModule proxy_module modules/mod_proxy.so
LoadModule proxy_connect_module modules/mod_proxy_connect.so
LoadModule proxy_http_module modules/mod_proxy_http.so
```

2.) Open your proxy config file `C:\xampp\apache\conf\extra\httpd-proxy.conf`. Edit it to match the following:

```
<IfModule proxy_module>
  <IfModule proxy_http_module>
    ProxyRequests On
    ProxyVia On

    <Proxy *>
      Order deny,allow
      Allow from all
    </Proxy>

    ProxyPass /node http://127.0.0.1:3000/
    ProxyPassReverse /node http://127.0.0.1:3000/
  </IfModule>
</IfModule>
```

3.) Open your vhosts file `C:\xampp\apache\conf\extra\httpd-vhosts.conf`. Add the following:

```
<VirtualHost *:*>
  ProxyPreserveHost On
  ProxyPass "/node" "http://127.0.0.1:3000/"
  ProxyPassReverse "/node" "http://127.0.0.1:3000/"
  ServerName api.impressto.net
</VirtualHost>
```

#### 4.) Restart Apache.

from command terminal run:

```
sudo a2enmod proxy
sudo a2enmod proxy_http
sudo a2enmod proxy_balancer
sudo a2enmod lbmethod_byrequest
sudo service apache2 restart
```

#### 2.) Open vhosts file /etc/apache2/sites-available/api.impressto.net.conf. Add the following:

```
<VirtualHost *:443>
    ServerAdmin admin@impressto.net
    ServerName impressto.localhost
    DocumentRoot /var/www/impressto.localhost/public

    ProxyPreserveHost On
    ProxyPass / http://127.0.0.1:8000/
    ProxyPassReverse / http://127.0.0.1:8000/

    ErrorLog ${APACHE_LOG_DIR}/error.log
    CustomLog ${APACHE_LOG_DIR}/access.log combined
    SSLEngine on
    SSLCertificateFile /etc/apache2/ssl/apache.crt
    SSLCertificateKeyFile /etc/apache2/ssl/apache.key

    <Directory /var/www/impressto.localhost/public>
        Options Indexes FollowSymLinks MultiViews
        AllowOverride All
        Require all granted
    </Directory>

</VirtualHost>
```

..

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