**Apache Integration with Tomcat and Running on SSL/TLS**

I followed the following steps to install Apache and configure it with tomcat.

**#Installing Tomcat8**

Sudo yum install tomcat8

Sudo yum install tomcat-admin-webapps

**#Installing httpd**

Sudo yum install http

**For Configuring and getting an SSL certificate I made the following changes**

* Created a .conf file in /ect/httpd/conf.d
* Wrote the following code

<VirtualHost \*:80>

ServerName www.ec2-18-188-30-30.us-east-2.compute.amazonaws.com

ServerAlias ec2-18-188-30-30.us-east-2.compute.amazonaws.com

DocumentRoot /var/www/html

Redirect permanent / https://ec2-18-188-30-30.us-east- 2.compute.amazonaws.com/

</VirtualHost>

<VirtualHost \*:443>

ServerName www.ec2-18-188-30-30.us-east-2.compute.amazonaws.com

ServerAlias ec2-18-188-30-30.us-east-2.compute.amazonaws.com

DocumentRoot /var/www/html

Redirect permanent / https://ec2-18-188-30-30.us-east-2.compute.amazonaws.com/test

SSLEngine on

SSLCertificateFile /etc/pki/tls/certs/localhost.crt

SSLCertificateKeyFile /etc/pki/tls/private/localhost.key

SSLProxyEngine on

ProxyPass /test http://localhost:8080/test

ProxyPassReverse /test http://localhost:8080/test

</VirtualHost>

Note: 80 is a http port and 443 is a https port.