**TOMCAT SERVER**

* yum update
* java –version
* sudo yum install java-1.8.0-openjdk-devel
* java –version
* wget <https://downloads.apache.org/tomcat/tomcat-9/v9.0.36/bin/apache-tomcat-9.0.36.tar.gz>
* tar -zxpvf apache-tomcat-9.0.36.tar.gz -C /opt/
* rm -rf apache-tomcat-9.0.36.tar.gz
* yum install awscli
* aws configure
* aws s3 ls
* aws s3 cp s3://sachet/studdent.war /opt/apache-tomcat-9.0.36/webapps
* cd /opt/apache-tomcat-9.0.36/bin/
* ./shutdown.sh
* ./startup.sh

**HTTPD Server**

* Install awscli/configure/aws s3 ls
* Copy Index.html **from** S3 bucket to /var/www/html
* Copy studentapp.conf **TO** /etc/httpd/conf.d
* systemctl stop httpd
* systemctl start httpd

**File for STUDENTAPP.CONF**

ProxyPass "/student" "http://${UI\_ENDPOINT}:8080/student"

ProxyPassReverse "/student" "http://${UI\_ENDPOINT}:080/student"

ProxyPass "/web" "http://${UI\_ENDPOINT}:8080/student"

ProxyPassReverse "/web" "http://${UI\_ENDPOINT}8080/student"

#ProxyPass "/api" "http://localhost:8090/student"

#ProxyPassReverse "/api" "http://localhost:8090/student"

ProxyPass "/student" "http://18.234.29.160:8080/student"

ProxyPassReverse "/student" "http://18.234.29.160:8080/student"

ProxyPass "/web" "http://18.234.29.160:8080/student"

ProxyPassReverse "/web" "http://18.234.29.160:8080/student"

#ProxyPass "/api" "http://localhost:8090/student"

#ProxyPassReverse "/api" <http://localhost:8090/student>

**SQL Server**

<https://www.digitalocean.com/community/tutorials/how-to-install-mysql-on-centos-7>

* https://dev.mysql.com/downloads/repo/yum/
* wget https://dev.mysql.com/get/mysql57-community-release-el7-9.noarch.rpm
* md5sum mysql57-community-release-el7-9.noarch.rpm
* sudo rpm -ivh mysql57-community-release-el7-9.noarch.rpm
* sudo yum install mysql-server
* sudo yum install mysql-server
* sudo systemctl start mysqld
* sudo systemctl status mysqld
* sudo grep 'temporary password' /var/log/mysqld.log  
  sudo mysql\_secure\_installation
* mysqladmin -u root -p version

**On SQL Server**

* sudo mysql\_secure\_installation 🡪 Asks for the Username and password. Find the Temp password from the below mentioned link.
* sudo grep 'temporary password' /var/log/mysqld.log 🡪 Allows to change password for ROOT user.
* mysql -u root –p🡪 To login to MYSQL with ROOT user.
* CREATE USER 'newuser'@'%' IDENTIFIED BY 'user\_password'; 🡪 To create a new user
* CREATE DATABASE student; 🡪 To create a new Database (student)
* SHOW DATABASES 🡪 Shows available databases
* GRANT ALL ON dbname.\* TO 'neeraj.k'@'%' IDENTIFIED BY 'a@7&p5#4MYd=-xK6';

GRANT ALL ON student.\* TO 'sql\_user'@'%' IDENTIFIED BY 'ABCxyz@123';

* FLUSH PRIVILEGES; 🡪 Grant Privileges
* EXIT and login with new user’s credentials - mysql -u sql\_user –p

'/org.apache.catalina.webresources/ a JAVA\_OPTS="-DDBENDPOINT=10.0.1.156:3306 -DDBNAME=student -DDBUSER=sql\_user -DDBPASS=ABCxyz@123"'

**COPY THIS FILE TO /usr/local/tomcat/bin/catalina.sh**

FROM tomcat:8

ADD <https://s3-us-west-2.amazonaws.com/studentapi-cit/student.war> /usr/local/tomcat/webapps/student.war

ADD <https://s3-us-west-2.amazonaws.com/studentapi-cit/mysql-connector.jar> /usr/local/tomcat/lib/mysql-connector.jar

RUN sed -i -e '/org.apache.catalina.webresources/ a JAVA\_OPTS="-DDBENDPOINT=$DBENDPOINT -DDBNAME=$DBNAME

-DDBUSER=$DBUSER -DDBPASS=$DBPASS"' /usr/local/tomcat/bin/catalina.sh

ADD context.xml /usr/local/tomcat/conf/context.xml

CREATE USER 'newuser'@'%' IDENTIFIED BY 'user\_password';

*CREATE DATABASE dbname;*

GRANT ALL ON dbname *TO 'neeraj.k'@'%' IDENTIFIED BY 'a@7&p5#4MYd=-xK6';*