**Ahkaam**

**Reactjs**

1. **Upload and configure reactjs everything inside‘BUILD’ folder.**

* Take build of reactjs project by running npm run build.
* To copy paste this build file and folder to remote machine, first of all we have to copy paste the items to home directory in server.
  1. **Access the server**

ssh [admin\_desc@10.100.1.79](mailto:admin_desc@10.100.1.79)

* 1. **Create a Directory for Your React App:**

mkdir /home/admin\_desc/build/

* 1. **Upload the Build Folder:**

Navigate to your local React project directory and run the following command

scp -r /Users/eanas.v/Desktop/DESC-Projects/2023/DB-managmnt-app/dashboard/build/\* [admin\_desc@10.100.1.79:/home/admin\_desc/](mailto:admin_desc@10.100.1.79:/home/admin_desc/)build/

then login to the server

ssh [admin\_desc@10.100.1.79](mailto:admin_desc@10.100.1.79)

* 1. **Verify the upload**

cd /home/admin\_desc/build

ls

1. **Configure Web Server-nginx**

Default Document Root: /usr/share/nginx/html.

* 1. **Copy react build folder to the document root directory**

You can copy the contents of the build folder to the default document root directory

sudo cp -r /home/admin\_desc/build/\* /usr/share/nginx/html/

* 1. **Create an Nginx Server Block Configuration:**

sudo nano /etc/nginx/sites-available/ahkaam.conf

* 1. **Add the following configuration**

server {

listen 80;

server\_name 10.100.1.79; # Replace with your domain or server IP address

root /usr/share/nginx/html/; # Replace with the actual path to your React app build directory

index index.html;

location / {

try\_files $uri /index.html;

}

location ~\* \.(css|js|gif|jpe?g|png|ico|xml)$ {

expires max;

log\_not\_found off;

access\_log off;

}

location ~ /\.ht {

deny all;

}

}

Save the file and exit the text editor.

* 1. **Create a Symbolic Link:**

sudo ln -s /etc/nginx/sites-available/ahkaam.conf /etc/nginx/sites-enabled/

* 1. **Test Nginx Configuration:**

sudo nginx -t

* 1. **Restart Nginx:**

sudo systemctl restart nginx

* 1. **Adjust DNS or Hosts File (if needed):**

server\_ip\_address your-domain.com

* 1. **Access our ahkaam**

**Springboot Jar File**

1. Transfer the Spring Boot JAR File: transfer from local to linux server

scp /Users/eanas.v/Desktop/DESC-Projects/2023/DB-managmnt-app/Backend/AhkaamDashboard/target/apiTest-0.0.1-SNAPSHOT.jar admin\_desc@10.100.1.79:/home/admin\_desc/jarFile/

1. SSH into the Server:

ssh [admin\_desc@10.100.1.79](mailto:admin_desc@10.100.1.79)

1. Copy paste the jar file from shared folder to /springJarfile folder.

sudo mv /home/admin\_desc/jarFile/apiTest-0.0.1-SNAPSHOT.jar /springjarfile/

1. Navigate to the Directory: cd /springjarfile/
2. Run the Spring Boot Application: java -jar apiTest-0.0.1-SNAPSHOT.jar
3. Optional: Configure a Service:

To run your Spring Boot application as a service that starts automatically with the system, you can create a systemd service unit file.

sudo nano /etc/systemd/system/ahkaam.service

Add the following content to the unit file (modify the ExecStart line with your JAR file path):

[Unit]

Description=Ahkaam website from DESC

[Service]

ExecStart=/usr/bin/java -jar /springjarfile/apiTest-0.0.1-SNAPSHOT.jar

Restart=always

User=admin\_desc

Environment=JAVA\_HOME=/usr/lib/jvm/java-18-openjdk-amd64 # Modify with your Java path

Environment=SPRING\_PROFILES\_ACTIVE=production # Modify as needed

WorkingDirectory=/usr/share/nginx/html/

[Install]

WantedBy=multi-user.target

/Users/eanas.v/Desktop/DESC-Projects/2023/DB-managmnt-app/Backend/AhkaamDashboard/target

To keep the start always up

Create a systemd Service Unit File:

sudo nano /etc/systemd/system/ahkaam.service

sudo systemctl daemon-reload

sudo systemctl start aws\_ahkaam.service

sudo systemctl enable aws\_ahkaam.service

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[Unit]

Description=Ahkaam for desc

After=network.target

[Service]

Type=simple

ExecStart=/usr/bin/java -jar /home/ec2-user/apiTest-0.0.1-SNAPSHOT.jar

Restart=always

User= [ec2-user](mailto:ec2-user@ec2-18-140-57-176.ap-southeast-1.compute.amazonaws.com)

Group=your-groupname

[Install]

WantedBy=multi-user.target

**For jar file conflict:**

sudo lsof -i :8080

sudo kill -9 <PID>

sudo pkill -9 -f "java -jar apiTest-0.0.1-SNAPSHOT.jar "