

Pre-requirement make sure the dotnet project is running or not in the local do all needful.

Step1:

Create an RDS named database1 and then set the username and password and public access should be yes.

Ex:

Database service url: **database-1.cvd18z18g9n4.ap-southeast-2.rds.amazonaws.com**

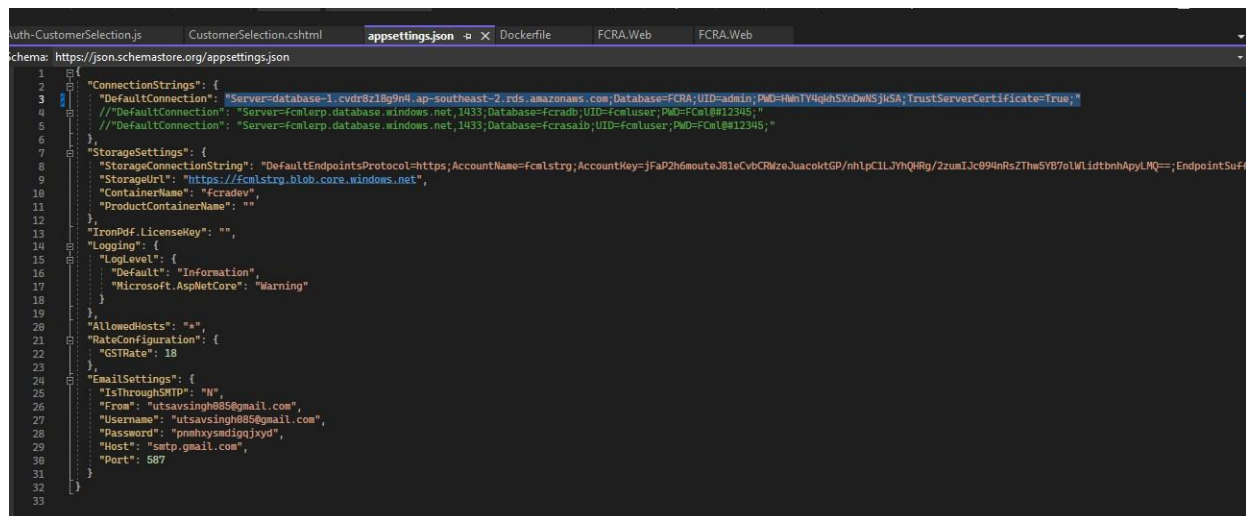
Username

Password

Step2:

Goto appsetting.json file and add rds. details as shown below.

"Default Connection": "Server=database-1.cvd18z18g9n4.ap-southeast-2.rds.amazonaws.com;Database=FCRA;UID=admin;PWD=HWnTY4qkhSXnDwNSjkSA;TrustServerCertificate=True;"

A screenshot of a code editor with a dark theme. The editor shows a file named 'appsettings.json' with a schema of 'https://json.schemastore.org/appsettings.json'. The JSON content is as follows:

```
1 {
2   "ConnectionStrings": {
3     "DefaultConnection": "Server=database-1.cvd18z18g9n4.ap-southeast-2.rds.amazonaws.com;Database=FCRA;UID=admin;PWD=HWnTY4qkhSXnDwNSjkSA;TrustServerCertificate=True;"
4     // "DefaultConnection": "Server=fcm1erp.database.windows.net,1433;Database=fcradb;UID=fcm1user;PWD=fcm1@12345;"
5     // "DefaultConnection": "Server=fcm1erp.database.windows.net,1433;Database=fcrasaib;UID=fcm1user;PWD=fcm1@12345;"
6   },
7   "StorageSettings": {
8     "StorageConnectionString": "DefaultEndpointsProtocol=https;AccountName=fcm1strg;AccountKey=jFaP2h6mouteJ8leCvbCRmzeJuacoktGP/nh1pC1LJYhQIRg/2zumI3c894nRsZThw5YB7oLwLidtbhApyLMQ==;EndpointSuffix=core.windows.net",
9     "StorageUrl": "https://fcm1strg.blob.core.windows.net",
10    "ContainerName": "fcradev",
11    "ProductContainerName": ""
12  },
13  "IronPdfLicenseKey": "",
14  "Logging": {
15    "LogLevel": {
16      "Default": "Information",
17      "Microsoft.AspNetCore": "Warning"
18    }
19  },
20  "AllowedHosts": "*",
21  "RateConfiguration": {
22    "GSTRate": 18
23  },
24  "EmailSettings": {
25    "IsThroughSMTP": true,
26    "From": "utsavsingh885@gmail.com",
27    "Username": "utsavsingh885@gmail.com",
28    "Password": "pmhxymsmdigjxyd",
29    "Host": "smtp.gmail.com",
30    "Port": 587
31  }
32 }
33
```

Step3:

Create a Ec2 server in ubuntu .

Step4:

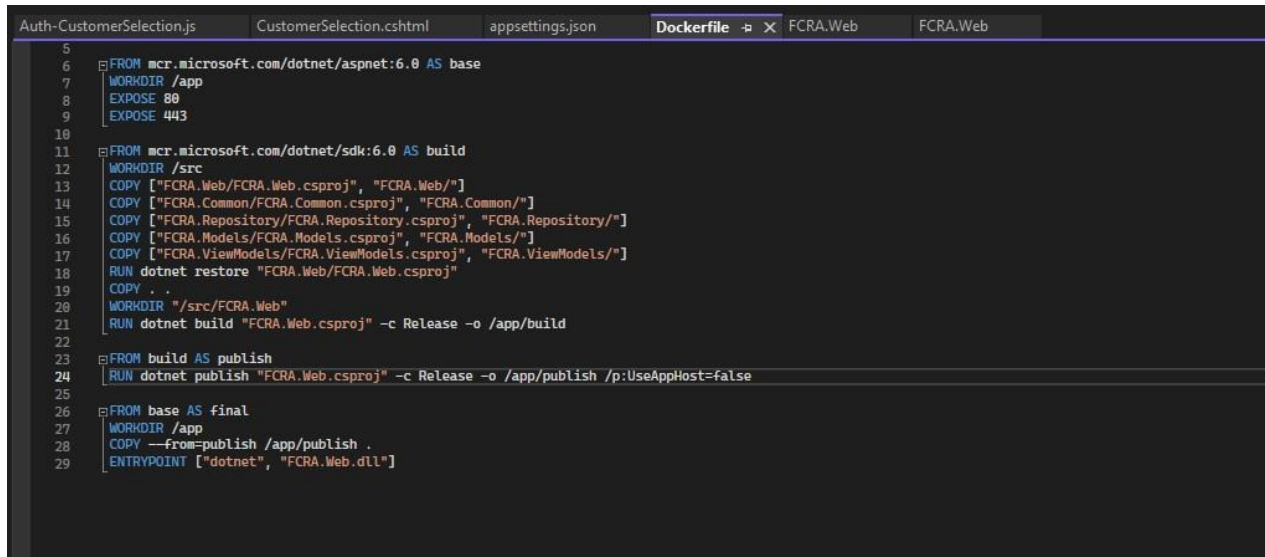
Pre-requirements are docker.io and git.

Step5:

Git clone <project>

Step6:

Visual studio docker file copy and create a docker file in ec2.



```
5
6 FROM mcr.microsoft.com/dotnet/aspnet:6.0 AS base
7 WORKDIR /app
8 EXPOSE 80
9 EXPOSE 443
10
11 FROM mcr.microsoft.com/dotnet/sdk:6.0 AS build
12 WORKDIR /src
13 COPY ["FCRA.Web/FCRA.Web.csproj", "FCRA.Web/"]
14 COPY ["FCRA.Common/FCRA.Common.csproj", "FCRA.Common/"]
15 COPY ["FCRA.Repository/FCRA.Repository.csproj", "FCRA.Repository/"]
16 COPY ["FCRA.Models/FCRA.Models.csproj", "FCRA.Models/"]
17 COPY ["FCRA.ViewModels/FCRA.ViewModels.csproj", "FCRA.ViewModels/"]
18 RUN dotnet restore "FCRA.Web/FCRA.Web.csproj"
19 COPY . .
20 WORKDIR "/src/FCRA.Web"
21 RUN dotnet build "FCRA.Web.csproj" -c Release -o /app/build
22
23 FROM build AS publish
24 RUN dotnet publish "FCRA.Web.csproj" -c Release -o /app/publish /p:UseAppHost=false
25
26 FROM base AS final
27 WORKDIR /app
28 COPY --from=publish /app/publish .
29 ENTRYPOINT ["dotnet", "FCRA.Web.dll"]
```

And then make sure check app.json file in ec2 that have given that rds path is correct or not.

Step7:

Create a docker image using below commands :

- `docker build -t dockerfcraimage .`
- `aws ecr get-login-password --region ap-south-1 | docker login --username AWS --password-stdin 705410539709.dkr.ecr.ap-south-1.amazonaws.com`
- `docker tag dockerfcraimage:latest 705410539709.dkr.ecr.ap-south-1.amazonaws.com/fcra:latest`
- `docker push 705410539709.dkr.ecr.ap-south-1.amazonaws.com/fcra:latest`



Add admin@admin.com

Pass: you know