**Primary User (Your Email)**

* **Username/Email**:

sandeepkumar1464@gmail.com

* **Password**:

Admin\_123

* **Access**: All applications (CommonLogin, App1, App2)

**Test Users (After Keycloak Setup)**

* **Username**:

admin.user

* **Password**:

Admin\_123

* **Access**: All applications
* **Username**:

app1.user

* **Password**:

Admin\_123

* **Access**: App1 only
* **Username**:

app2.user

* **Password**:

Admin\_123

* **Access**: App2 only
* **Username**:

multi.user

* **Password**:

Admin\_123

* **Access**: App1 and App2

**To Make It Work:**

1. **First**: Complete Keycloak setup at http://localhost:8080
   * Create realm:

sso-realm

* + Create clients:

common-login

,

app1-client

,

app2-client

* + Create user:

sandeepkumar1464@gmail.com

 with password

Admin\_123

1. **Then**: Update client secrets in appsettings.json files
2. **Finally**: Use

sandeepkumar1464@gmail.com

 as username at http://localhost:5000

The application is configured to use your email as the primary admin user with full access to all applications.

# Detailed Keycloak Setup Steps

## Step 1: Create Realm

1. Go to http://localhost:8080
2. Login: admin / Admin\_123
3. Click dropdown "master" → **Create Realm**
4. Realm name:

sso-realm

1. Click **Create**

## Step 2: Create Clients

### Client 1: common-login

1. Go to **Clients** → **Create client**
2. Client ID:

common-login

1. Client type: **OpenID Connect**
2. Click **Next**
3. Client authentication: **ON**
4. Standard flow: **ON**
5. Direct access grants: **ON**
6. Click **Save**
7. **Settings** tab:
   * Valid redirect URIs:

http://localhost:5000/\*

* + Web origins:

http://localhost:5000

* + Click **Save**

1. **Credentials** tab: Copy the **Client secret**

### Client 2: app1-client

1. **Create client** → Client ID:

app1-client

1. Same settings as above
2. Valid redirect URIs:

http://localhost:5001/\*

1. Web origins:

http://localhost:5001

1. Copy **Client secret**

### Client 3: app2-client

1. **Create client** → Client ID:

app2-client

1. Same settings as above
2. Valid redirect URIs:

http://localhost:5002/\*

1. Web origins:

http://localhost:5002

1. Copy **Client secret**

## Step 3: Create User

1. Go to **Users** → **Create new user**
2. Username:

sandeepkumar1464@gmail.com

1. Email:

sandeepkumar1464@gmail.com

1. First name:

Sandeep

1. Last name:

Kumar

1. Email verified: **ON**
2. Click **Create**
3. **Credentials** tab → **Set password**
4. Password:

Admin\_123

1. Temporary: **OFF**
2. Click **Save**

## Step 4: Update Client Secrets

Replace

your-client-secret

 in these files with actual secrets from Keycloak:

* CommonLogin/appsettings.json
* App1/appsettings.json
* App2/appsettings.json

## Step 5: Test Login

1. Start applications
2. Go to http://localhost:5000
3. Enter:

sandeepkumar1464@gmail.com

1. Password:

Admin\_123