

Tata Elxsi Accelerator UI Customization

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Introduction

Tata Elxsi Accelerator UI Application can be customized based on the operator requirement using our CustomUI application ([Customer Login Page](#)). Only the applications and contents configured against a particular operator id will be available to that operator.

Overview

This document provides the following details:

- Login to CustomUI Application
- Customize the application
- Box configuration

Login

The steps to login as a new operator to the CustomUI Application is listed here:

Steps to Login

Follow the steps listed here to login as an existing Operator

1. Click on [Customer Login Page](#) or Enter the URL (<http://121.244.192.84:9999/CustomUI>) in the address bar of browser (Chrome), and press Enter.
2. Below login page will be loaded.

Admin Login

UserName:

Password:

New Operator? [sign up](#)

3. Enter a valid username and password (sample user:- username: elxsi password: elxsi123)

4. Click on **Login**.

Follow the steps below to login as a new operator

1. Click on the sign-up link to create a new operator.
2. Once clicked below page will be loaded.

Operator SignUp Form

Operator Name	<input type="text"/>
UserName	<input type="text"/>
Password	<input type="password"/>
OEM	<input type="text" value="realtek"/> ▼
<input type="button" value="Submit"/>	

3. Enter the operator name, Username, Password and select the OEM.
4. Note down the Username since the same value should be given in the **OPERATOR_ID** in box configuration discussed later.
5. Once all values are entered click on the submit button.
6. Dashboard screen will be displayed on successful login.

UI Customization Home Apps Recommended Videos Metro Apps Premium Apps Theme Design Logout

Welcome to Operator Panel

admin 1

Client setup

The steps to connect to the server is given below:

Box Configuration

1. Open /opt/www/build/static/server/Serverconfig.json in box.
2. Serverconfig.json contains 3 fields:

"SERVER_URL ": URL of the CustomUI (<http://121.244.192.84:9999/CustomUI/>)

"OPERATOR_ID ": Username given while creating a new operator (for default user : operator_id : teuser)

"ASSET_URL ": URL of the server from which assets are to be loaded (<http://121.224.192.84:9999/>)

3. Save and reboot the box.

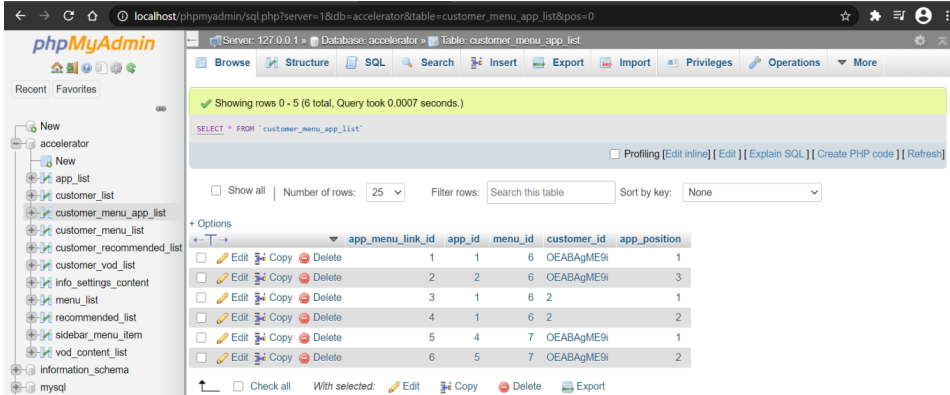
Customize the Application

Note: The configuration is to be done against each operator and each operator is identified by a unique operator_id . This operator_id should be same as operator_id in /opt/www/build/static/server/Serverconfig.json in box.

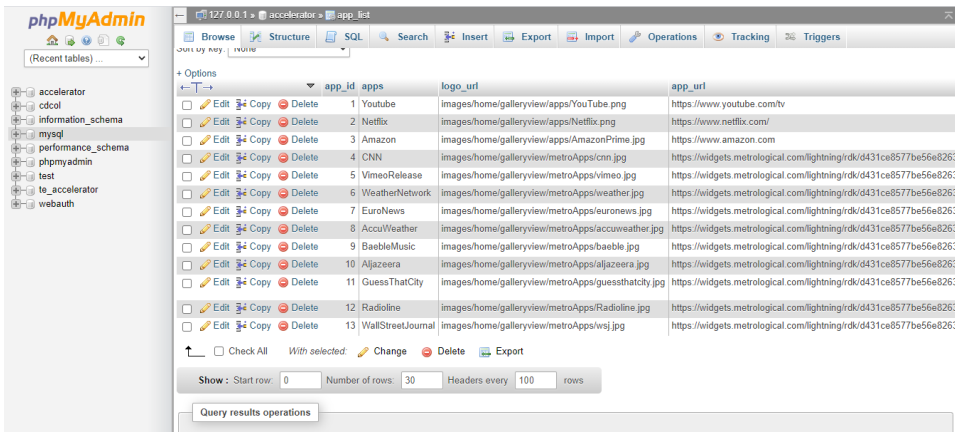
1. Home

- The order of the sections in the home screen can be customized by the operator.
- Click the **Home** button on the top bar of dashboard, below page will be displayed

1. Click on the **customer_menu_app_list** table through phpMyAdmin page.
- 2.



3. Click on the **Insert** button to add Customer data.
4. Premium apps feature in main menu of Accelerator UI app can be enabled by setting 6 in the **menu_id** field. [6 here refers to the Premium app content against that customer id]
5. Individual Premium apps in the Accelerator UI app can be enabled by setting the **app_id** field. [values for **app_id** can be referred from **app_list** table, see picture below with YouTube is 1, Netflix is 2 etc]



e.g. For enabling YouTube in first position
click on **customer_menu_app_list** -> click on insert
->Add menu_id : 6
app_id : 1
app_position : 1
customer_id : boxid (serial_number)

3. Steps to Disable a Premium App for a customer

1. Click on the **customer_menu_app_list** table.
2. Delete the entry with **app_id** of the app to be disabled corresponding to the required **customer_id**.

e.g. To delete Netflix premium app for a customer with customer_id: OEABAgME9i.
click on **customer_menu_app_list**.
Delete the entry corresponding to customer_id -> OEABAgME9i with app_id is 2.

4. Steps to update an entry in table

1. Click on the **Edit** button from the respective rows that is to be updated.
2. Make the required update and click on **Go** button.

5. Steps to enable a customer to access Metro App content

1. Click on the **customer_menu_app_list** table.

Showing rows 0 - 5 (6 total, Query took 0.0007 seconds.)

```
SELECT * FROM `customer_menu_app_list`
```

Options: ☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

	app_menu_link_id	app_id	menu_id	customer_id	app_position
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	1	1	6	OEABAgME9i	1
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	2	2	6	OEABAgME9i	3
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	3	1	6	2	1
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	4	1	6	2	2
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	5	4	7	OEABAgME9i	1
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	6	5	7	OEABAgME9i	2

Check all | With selected: ☐ Edit ☐ Copy ☐ Delete ☐ Export

2. Click on the **Insert** button to add Customer data .
3. Metro apps feature can be enabled by setting 7 in the **menu_id** field.
[7 here refers to the Metro app content in menu_list table]
4. Individual Metro apps can be enabled by setting the value in **app_id** field.
[values for **app_id** can be referred from **app_list** table]

e.g. For enabling CNN in first position.
 click on **customer_menu_app_list** click on insert
 Add menu_id : 7
 app_id : 4
 app_position : 1
 customer_id : boxid(serial_number)

6. Steps to Disable a Metro App for a customer

1. Click on the **customer_menu_app_list** table
2. Delete the entry with **app_id** of the app to be disabled corresponding to the required **customer_id**.

e.g. To delete Radio line app for a customer with customer_id: OEABAgME9i.
 click on **customer_menu_app_list** table.
 Delete the entry corresponding to customer_id -> OEABAgME9i with app_id -> 12.

7. Steps to add a Recommended for you content for a customer

1. Click on the **customer_recommended_list** table through phpMyAdmin page.

Showing rows 0 - 9 (10 total, Query took 0.0024 sec)

```
SELECT * FROM `customer_recommended_list` LIMIT 0, 30
```

Options: Show : Start row: 0 | Number of rows: 30 | Headers every: 100 | rows

Sort by key: None

	recommended_id	recommended_content_id	customer_id
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	1		1 OEABAgME9i
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	2		2 OEABAgME9i
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	3		3 OEABAgME9i
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	4		4 OEABAgME9i
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	5		1 OEABAgML34
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	6		2 OEABAgML34
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	12		1 OEABAgMPKE
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	13		2 OEABAgMPKE
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	14		3 OEABAgMPKE
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	15		4 OEABAgMPKE

Check All | With selected: ☐ Change ☐ Delete ☐ Export

Show : Start row: 0 | Number of rows: 30 | Headers every: 100 | rows

2. Click on the **Insert** button to add Customer data.

- Recommended For You content in main menu of demo app can be added for a particular customer by setting the required **recommended_content_id** against that **customer_id**.

[values of **recommended_content_id** can be referred from **recommended_list** table, see the picture below]

recommended_content_id	title	url	videourl	category	description
1	Tears of Steel	images/home/galleryview/recommended/Tie1.png	http://commondatastorage.googleapis.com/glv-videos-bucket/sample/BigBuckBunny.mp4	Science Fiction	
2	Red Bull Air Race	images/home/galleryview/recommended/Tie2.png	https://bitdash-a.akamaihd.net/content/WMF2011092/10064_1.m3u8/10064_1.m3u8	Sports	
3	Black Panther	images/home/galleryview/recommended/Tie3.png	http://127.0.0.1:50050/build/static/videos/BlackPanther/blackpanther.m3u8	Action	
4	No Time to Die	images/home/galleryview/recommended/Tie4.png	http://127.0.0.1:50050/build/static/videos/NoTimeToDie/NoTimeToDie.m3u8	Action	
5	url for testing				

eg. For enabling Tears of steel.

click on **customer_recommended_list** click on insert

Add **recommended_content_id** : 1

customer_id : boxid (serial_number)

Note: To add a new content to **recommended_list** table

- Add a new **recommended_content_id** for the new content.
- Add the corresponding poster url in "url" field and video content url to "videourl" field.
- Add the corresponding category if it needs to be displayed on the poster.

8. Steps to Remove a Recommended for you content for a customer

- Click on the **customer_recommended_list** table.
- Delete the entry with **recommended_content_id** of the content to be removed corresponding to the required **customer_id**.

9. Steps to add an icon in InfoBar for a customer

- Click on the **info_settings_content** table through phpMyAdmin page .
- Click on **Insert** button to add Infobar icon path.
- Infobar icon path can be added to the column of image in the table against corresponding menu name (i.e. icon name).
[**menu_id** can be referred from **menu_list** table]

content_id	menu_id	text	image
1	30		NULL
5	34		82 F
6	25	GENERAL SETTINGS	images/settings/general-settings.png
7	26	BLUETOOTH REMOTE & DEVICES	images/settings/Bluetooth.png
8	27	NETWORK INTERFACES	images/settings/NetworkInterfaces.png
9	28	DIAGNOSTICS	images/settings/diagnosticlogo.png
10	29	WIFI	images/settings/wifilogo.png

e.g. For adding bluetooth icon to the infobar.

click on **info_settings_content** table-> click on insert

Add **menu_id** : 32 (corresponding to Bluetooth InfoBar icon from **menu_list** table)

Image: 'images/info/bluetooth.png' (Add the local path of the icon in static folder)

10. Steps to delete an icon from the Infobar for a customer

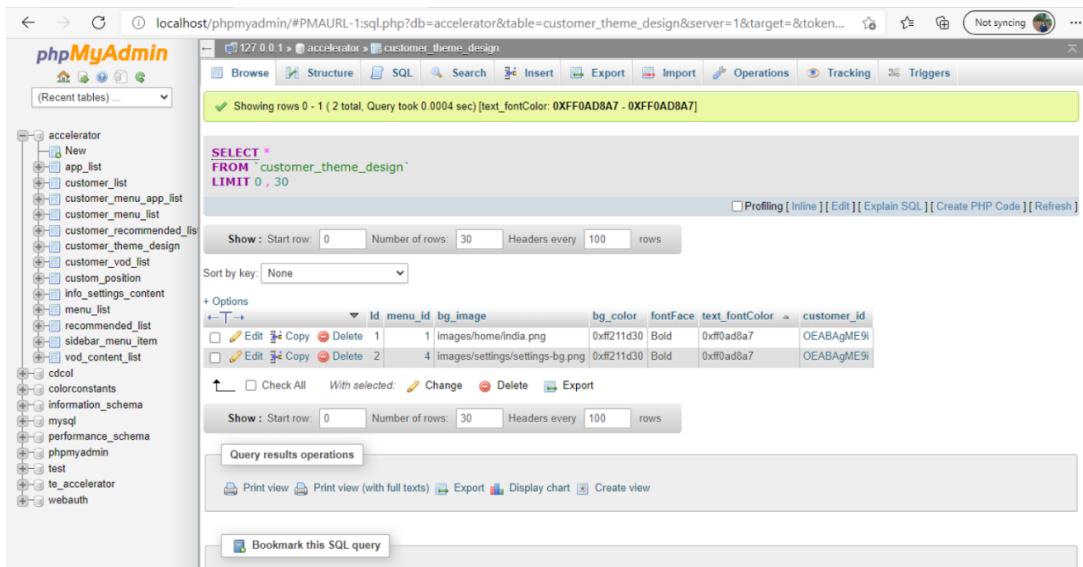
1. Click on the **info_settings_content** table.
2. Delete the entry with path to the corresponding info bar icon to be removed.

*e.g. For Deleting Wi-Fi icon from the InfoBar.
Click on the **info_settings_content** table
Delete the entry with path to the Wi-Fi icon*

11. Steps to customize home screen background image/color, font face and font color for a customer

1. Click on the **customer_theme_design** table .
2. Click on the **Insert** button to add Customer data.
3. Background image/ Background color, font face and font color for the Home Screen can be customized by setting 1 in the **menu_id** field.
4. Value for each field can be added in the appropriate column of the table based on the customization requirements.

Note: If both **bg_image** and **bg_color** are configured in the table , preference is given to **bg_image**.



e.g. For Adding bg_color/bg_image , font face and font color for home screen .

*click on **customer_theme_design** click on insert
->Add menu_id : 1
bg_image : images/settings/settings-bg.png
bg_color : 0xff211d30
FontFace : bold
text_fontColor: 0xff211d30
customer_id: boxid(serial_number)*

12. Steps to customize settings screen background image/color, font face and font color for a customer

1. Click on the **customer_theme_design** table.
2. Click on the **Insert** button to add Customer data.
3. Background image/ Background color, font face and font color for the Home Screen can be customized by setting 4 in the **menu_id** field.
4. Value for each field can be added in the appropriate column of the table based on the customization requirements .

Note: If both **bg_image** and **bg_color** are configured in the table, preference is given to **bg_image** .

*e.g. For Adding bg_color/bg_image , font face and font color for home screen
click on **customer_theme_design** -> click on insert
-> Add menu_id : 1
bg_image : images/settings/settings-bg.png
bg_color : 0xff211d30
FontFace : bold
text_fontColor : 0xff211d30
customer_id : boxid(serial_number)*

TroubleShooting

To confirm the client-server setup is working as expected:

1. Ensure firewall is disabled
2. Try the following URL in the browser first and then try the same using curl command in the box.

Browser:

http://localhost:8080/CustomUI/getThemeConfig?customer_id=OEABAgME9i

Box:

curl http://<Server_ip>:<Server_port>/CustomUI/getThemeConfig?customer_id=OEABAgME9i

If you are not getting data in the box try: **ping <Server_ip>**

eg: root@mediabox:~# **ping 192.168.18.3**

PING 192.168.18.3 (192.168.18.3): 56 data bytes

64 bytes from 192.168.18.3: seq=0 ttl=128 time=35.467 ms

64 bytes from 192.168.18.3: seq=1 ttl=128 time=2.238 ms

64 bytes from 192.168.18.3: seq=2 ttl=128 time=2.214 ms

If Ping is success, try http://192.168.18.3:8080/CustomUI/getPosition?customer_id=O in the browser to get the corresopnding data.

["premium Apps", "Recommended for you", "metro Apps"]

Then try the curl for the same in the box:

~# **curl** http://192.168.18.3:8080/CustomUI/getPosition?customer_id=OEABAgME9i

response: ["premium Apps", "Recommended for you", "metro Apps"]

If you are getting the appropriate response for the curl, Then the client server connection is successful.

To get the corresponding customization changes in UI:

1. Add the following in /opt/www/build/static/server/Serverconfig.json
"Server_ip": ip address of the server machine in which the xampp server is setup
Note: Ping to this ip should be successful as we tried in the previous step
"Server_port": port of Tomcat server
2. Add the following boxid in /opt/www/build/static/server/Serverconfig.json
"serial_number": OEABAgME9i
3. Reboot

The corresponding changes will be reflected in the Accelerator UI.