

# Smart Shelf

## Quick Installation Guide

1<sup>st</sup> Ed – 03 July 2018

### Copyright Notice

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## FCC Statement



THIS DEVICE COMPLIES WITH PART 15 FCC RULES. OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS:

- (1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE.
- (2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRE OPERATION.

THIS EQUIPMENT HAS BEEN TESTED AND FOUND TO COMPLY WITH THE LIMITS FOR A CLASS "A" DIGITAL DEVICE, PURSUANT TO PART 15 OF THE FCC RULES.

THESE LIMITS ARE DESIGNED TO PROVIDE REASONABLE PROTECTION AGAINST HARMFUL INTERFERENCE WHEN THE EQUIPMENT IS OPERATED IN A COMMERCIAL ENVIRONMENT. THIS EQUIPMENT GENERATES, USES, AND CAN RADIATE RADIO FREQUENCY ENERGY AND, IF NOT INSTALLED AND USED IN ACCORDANCE WITH THE INSTRUCTION MANUAL, MAY CAUSE HARMFUL INTERFERENCE TO RADIO COMMUNICATIONS.

OPERATION OF THIS EQUIPMENT IN A RESIDENTIAL AREA IS LIKELY TO CAUSE HARMFUL INTERFERENCE IN WHICH CASE THE USER WILL BE REQUIRED TO CORRECT THE INTERFERENCE AT HIS OWN EXPENSE.

## A Message to the Customer

### *Avalue Customer Services*

Each and every Avalue's product is built to the most exacting specifications to ensure reliable performance in the harsh and demanding conditions typical of industrial environments. Whether your new Avalue device is destined for the laboratory or the factory floor, you can be assured that your product will provide the reliability and ease of operation for which the name Avalue has come to be known.

Your satisfaction is our primary concern. Here is a guide to Avalue's customer services. To ensure you get the full benefit of our services, please follow the instructions below carefully.

### *Technical Support*

We want you to get the maximum performance from your products. So if you run into technical difficulties, we are here to help. For the most frequently asked questions, you can easily find answers in your product documentation. These answers are normally a lot more detailed than the ones we can give over the phone. So please consult the user's manual first.

To receive the latest version of the user's manual; please visit our Web site at:

<http://www.avalue.com.tw/>

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# 1. Getting Started

## 1.1 Safety Precautions

### Warning!



Always completely disconnect the power cord from your chassis whenever you work with the hardware. Do not make connections while the power is on. Sensitive electronic components can be damaged by sudden power surges. Only experienced electronics personnel should open the PC chassis.

### Caution!



Always ground yourself to remove any static charge before touching the CPU card. Modern electronic devices are very sensitive to static electric charges. As a safety precaution, use a grounding wrist strap at all times. Place all electronic components in a static-dissipative surface or static-shielded bag when they are not in the chassis.

## 1.2 Packing List

- 1 x EPC-BYT2 Signage Box
- Renity Signs Signage Software For Smart Shelf (Pre-loaded)
- 1 x ACC-SF-A1-1R Bluetooth dongle
- ACC-SF-BT-01R (Quantity is depended on customers demand)



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If any of the above items is damaged or missing, contact your retailer.

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## 1.3 EPC-BYT2 System Overview

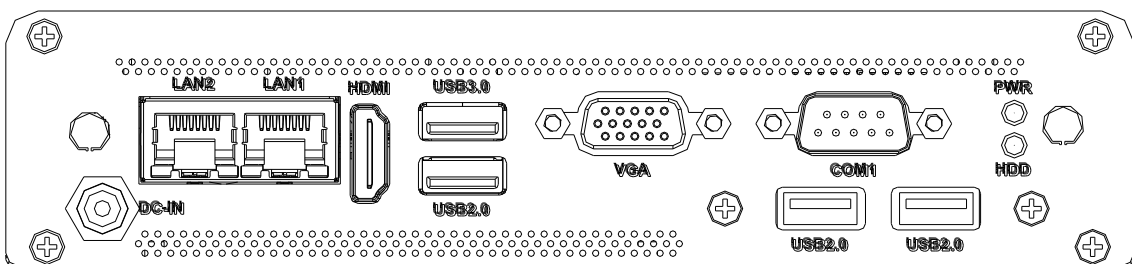
### 1.3.1 Front View



### Connectors

Label	Function	Note
POWER	Power on button	

### 1.3.2 Rear View

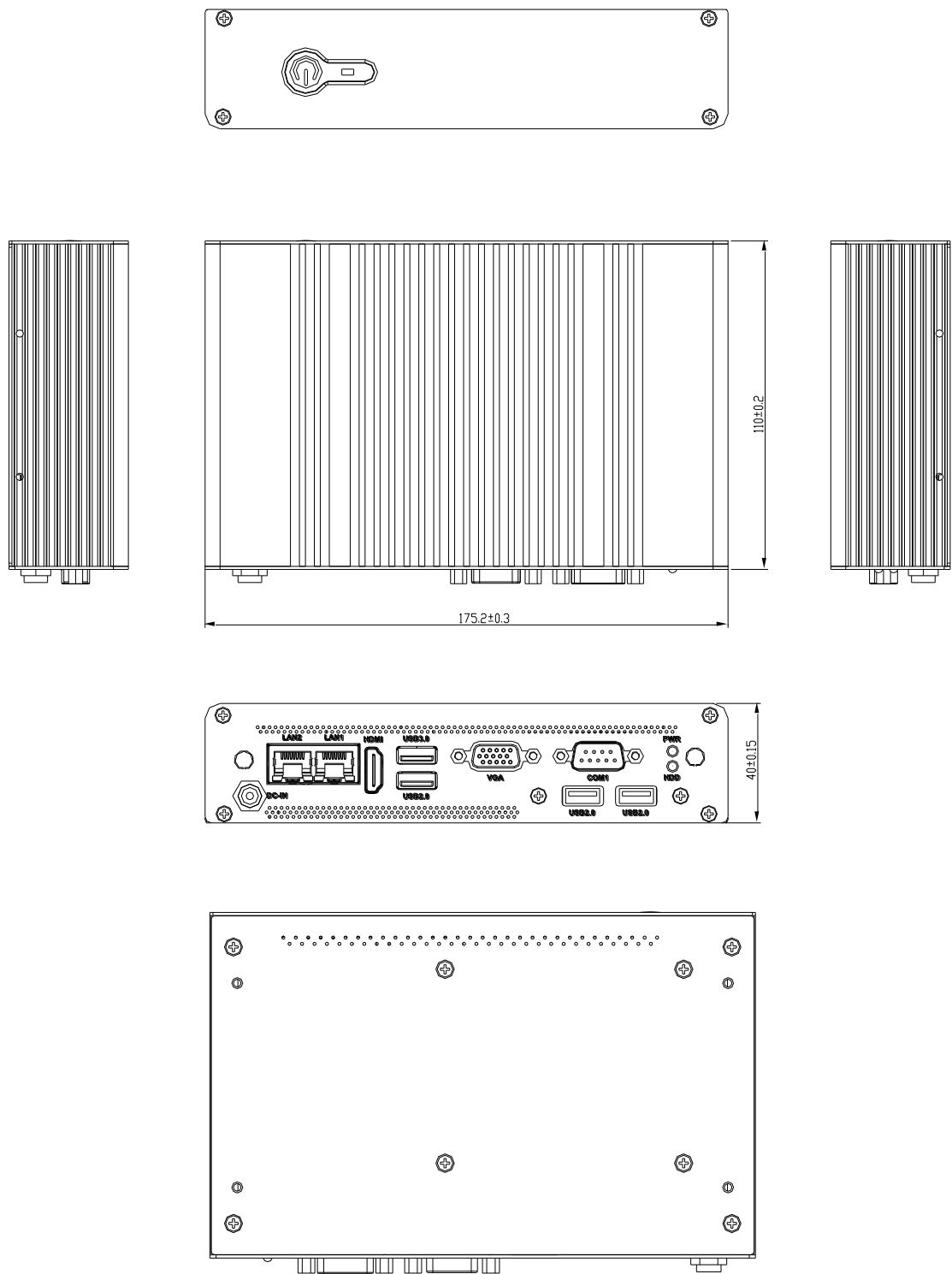


### Connectors

Label	Function	Note
COM1	Serial port 1 connector	D-sub 9-pin, male
HDD	HDD indicator	
LAN1/2	RJ-45 Ethernet 1/2 with (L)LED for ACT/LINK and (R)LED for speed	
PWR	System power indicator	
USB2.0	USB 2.0 connector x 3	
USB3.0	USB 3.0 connector	
VGA	VGA connector	DB-15 female connector
HDMI	HDMI connector	
DC-IN	DC Power-in connector	

1.4 EPC-BYT2 System Dimensions

1.4.1 Front & Top View



(Unit: mm)

## 2. Renity Signs Setting

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## 2.1 Prerequisites Setting

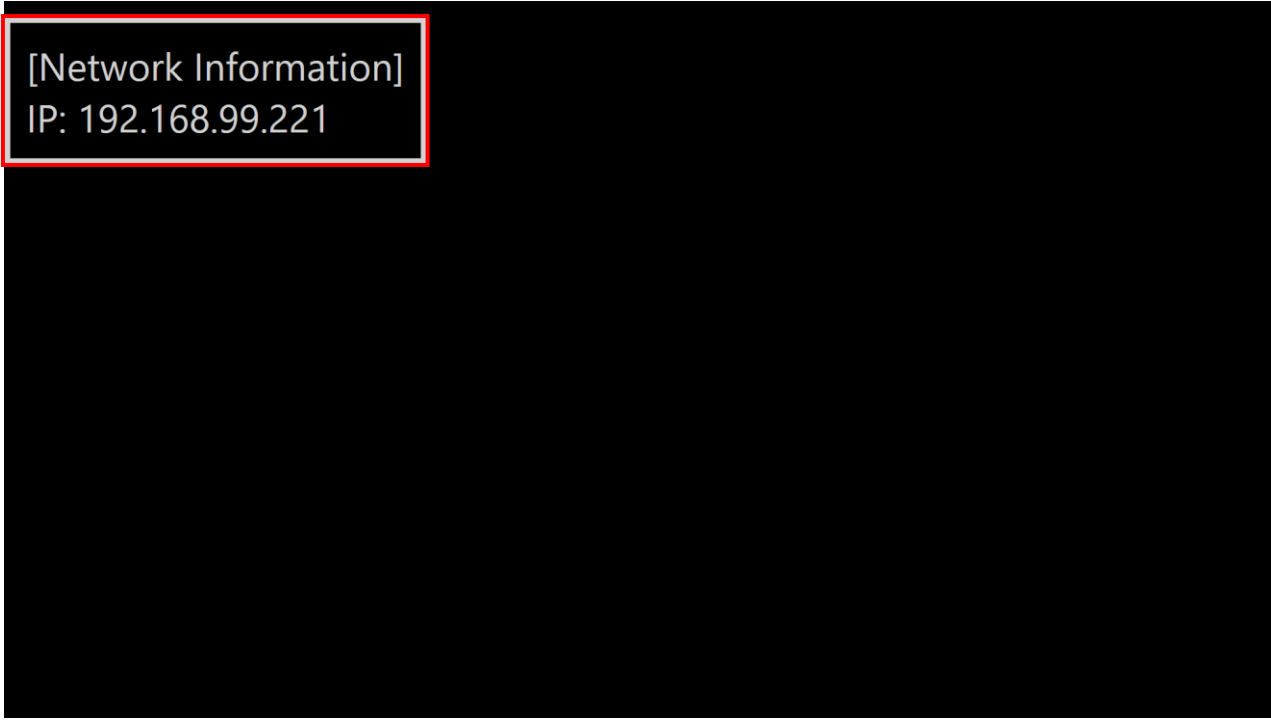


**Step1.** Connect the power, HDMI (recommended) or VGA and LAN cables of the signage box.





**Step2.** Plug Bluetooth dongle into USB port and turn on the signage box.

A screenshot of a device screen with a black background. In the top-left corner, there is a white rectangular box with a red border. Inside this box, the text "[Network Information]" is displayed in a white, sans-serif font. Below this text, the IP address "IP: 192.168.99.221" is also displayed in the same white, sans-serif font.

[Network Information]

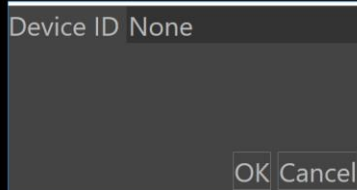
IP: 192.168.99.221

### Step3. Please configure the Device ID

As follow description is only suitable for distributors. Otherwise, if end customers change their Device ID and ask us where their data is, we can't help them.

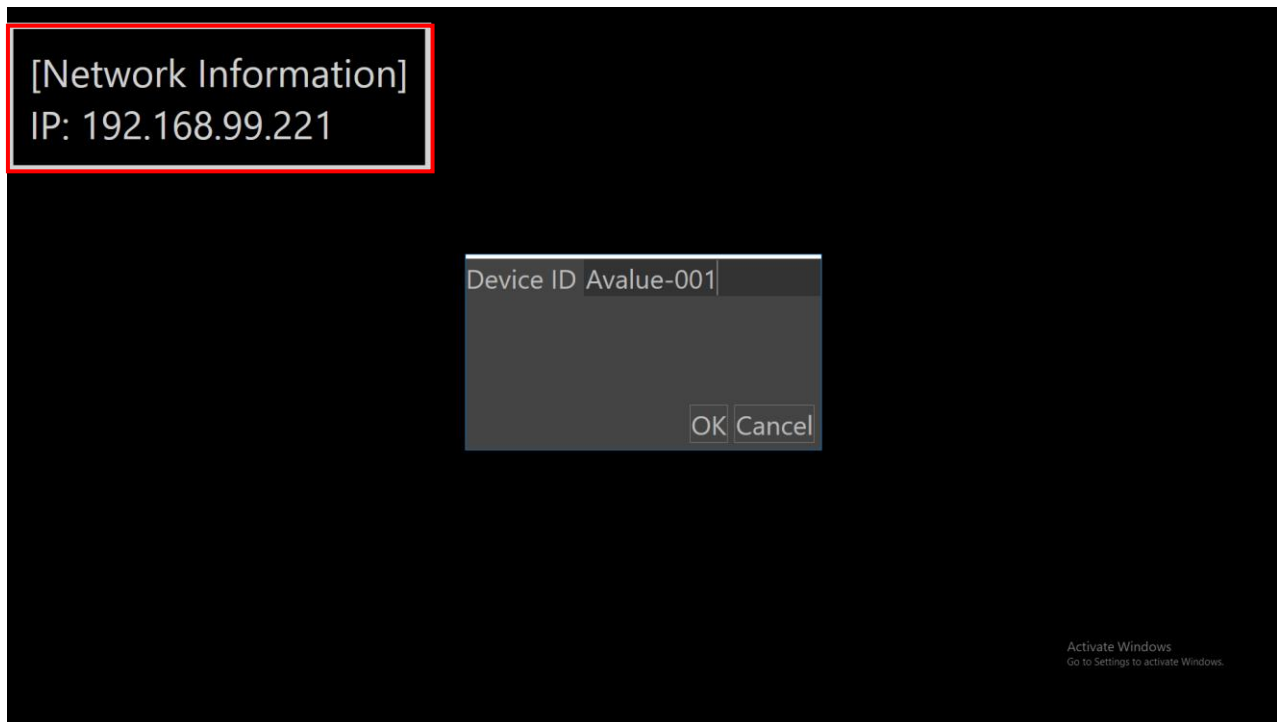
So before shipping, distributors should help customers to set their Device ID on the target device.

When distributors turn the target device on, it will display screen as follow.

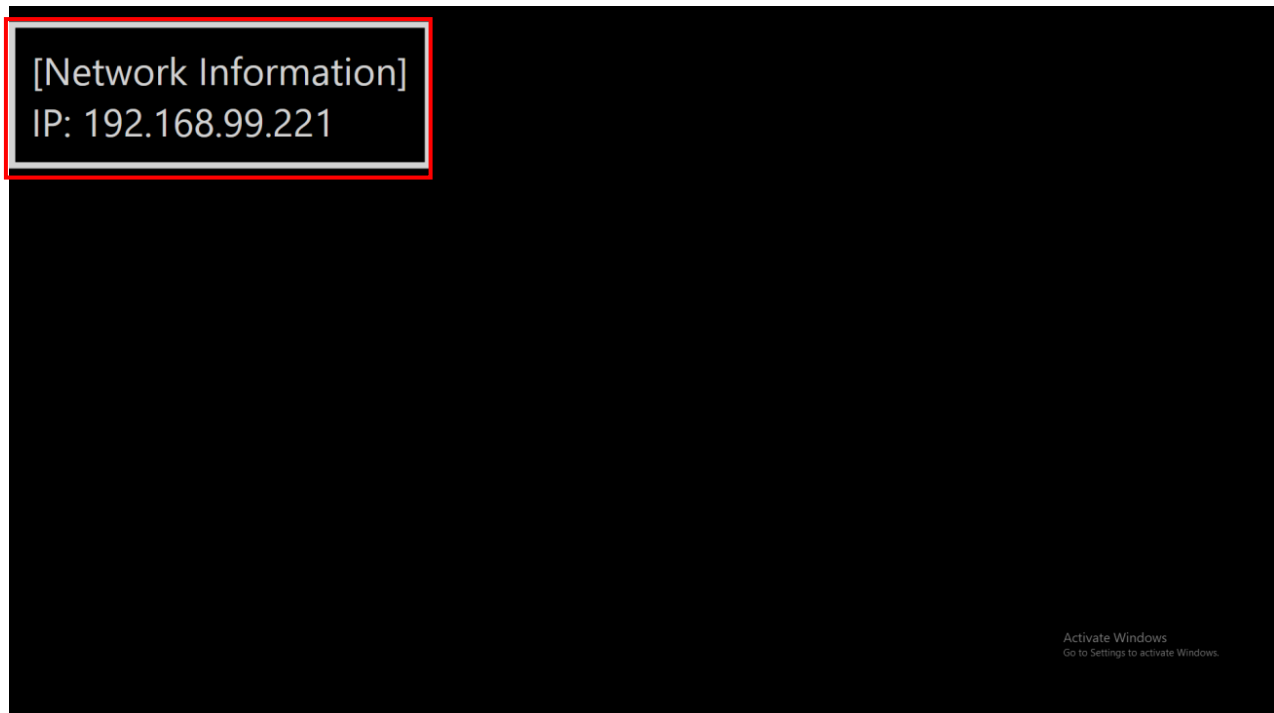


No matter target device has played content whether not, distributors can press F2 key to set Device ID as follow.

**CAUTION.** Device ID should be the same with Renity SRS Device ID, then end customers can see all of their data in the Business Intelligence and data is related.

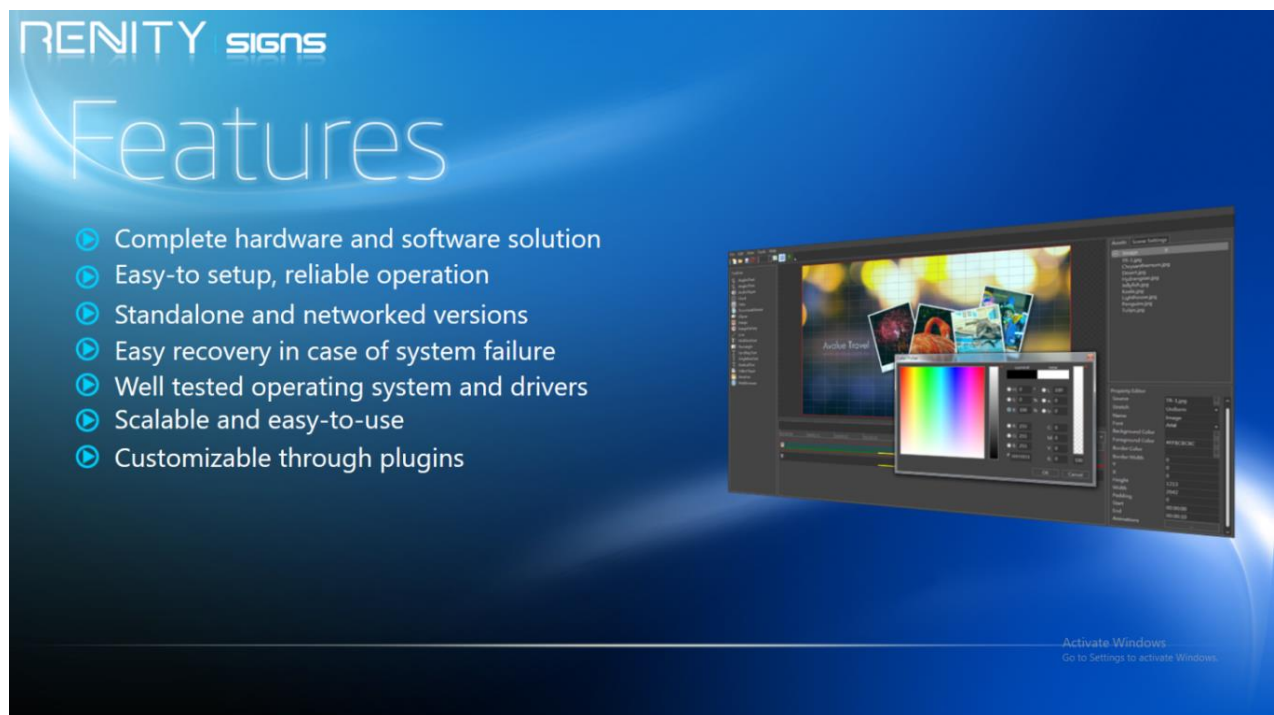


When distributors have entered Device ID, they can click OK button to finish setting.



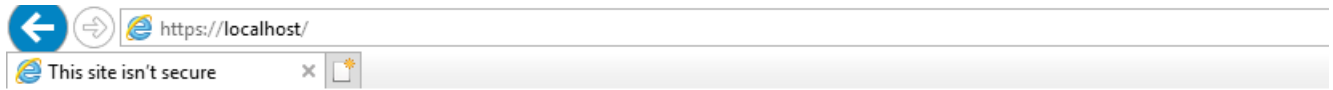
### Step4. Please note the IP address of the device

When you turn device on, IP address will be shown on the left corner of the screen.



### Step5. Now we can continue to configure playlist for Smart Shelf

## 2.2 Renity Signs - Content Management System (CMS) Setting

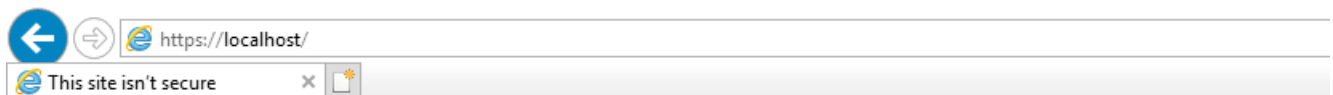


### This site is not secure

This might mean that someone's trying to fool you or steal any info you send to the server. You should close this site immediately.

✓ Close this tab

ⓘ More information



### This site is not secure

This might mean that someone's trying to fool you or steal any info you send to the server. You should close this site immediately.

✓ Close this tab

ⓘ More information

**The hostname in the website's security certificate differs from the website you are trying to visit.**

Error Code: DLG\_FLAGS\_SEC\_CERT\_CN\_INVALID

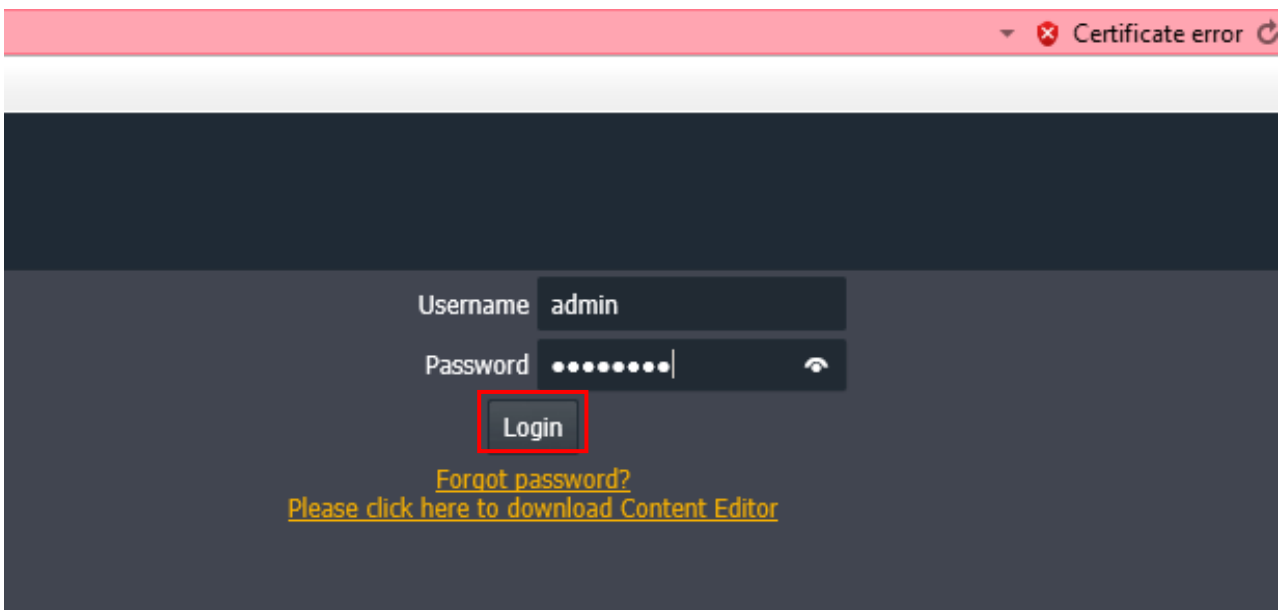
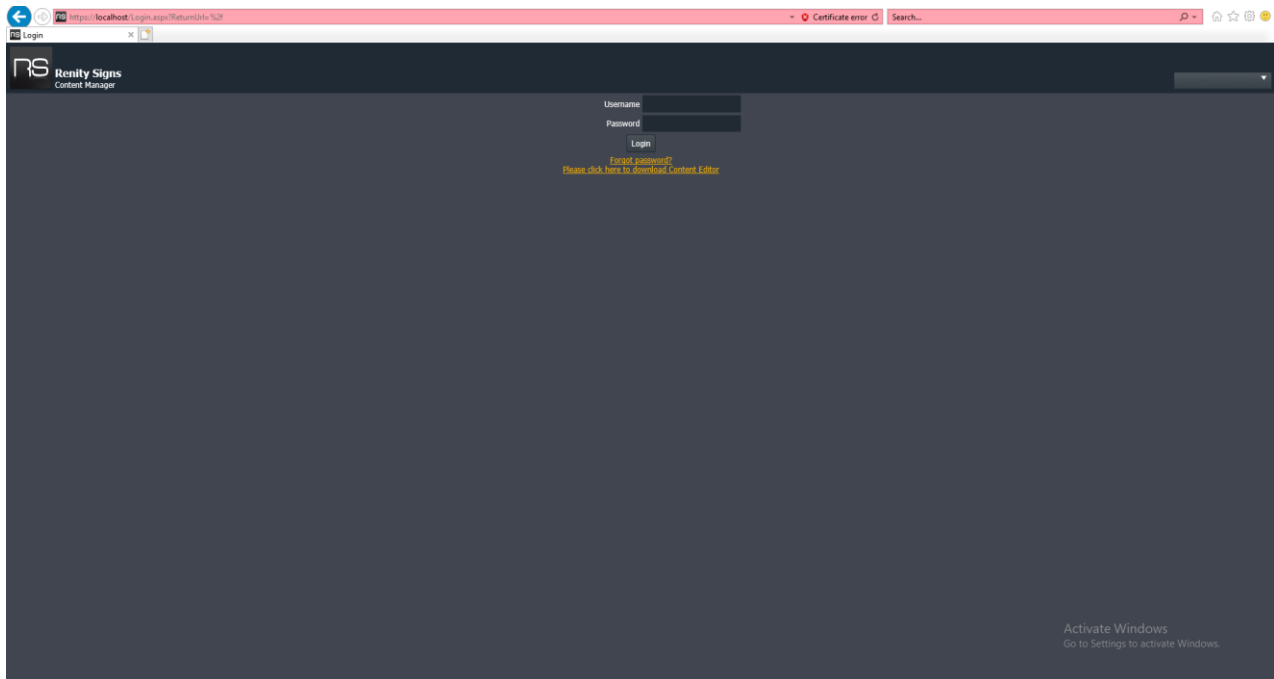
⚠ Go on to the webpage (not recommended)

### Step1. Use a PC in the same networking. Use a browser to connect to CMS

The URL should be "https://Device IP Address/".

When you connect to the device via browser, it will show a warning message. Because it is a protected SSL self-signed certificate, just click on "More information" to continue to visit the signage box. Click on "Go on to the webpage " to login page.

## Smart Shelf

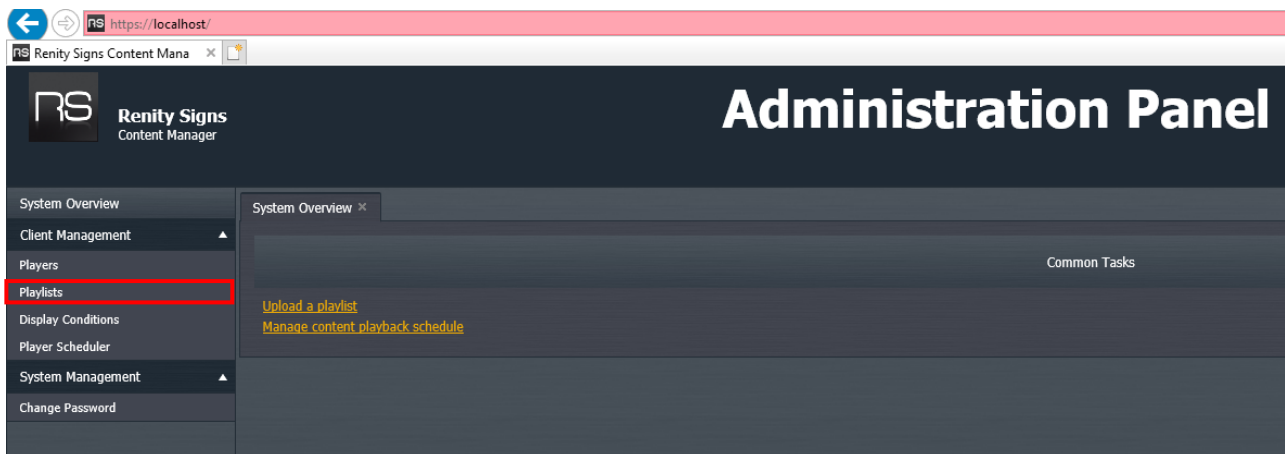


### Step2. Log into CMS

Type in Default Username & Password as below and click on “Login”:

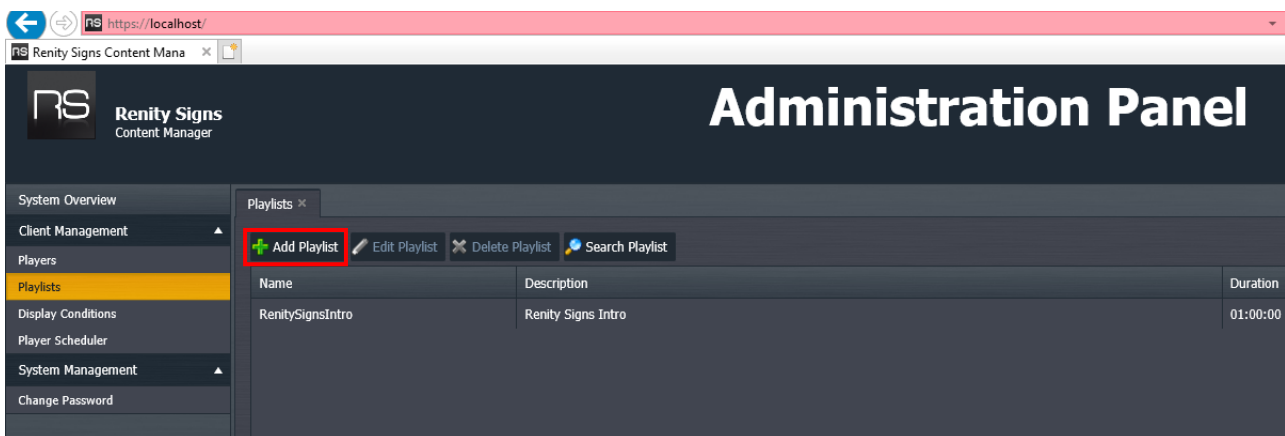
Username: admin

Password: P@ssw0rd (Default Password)

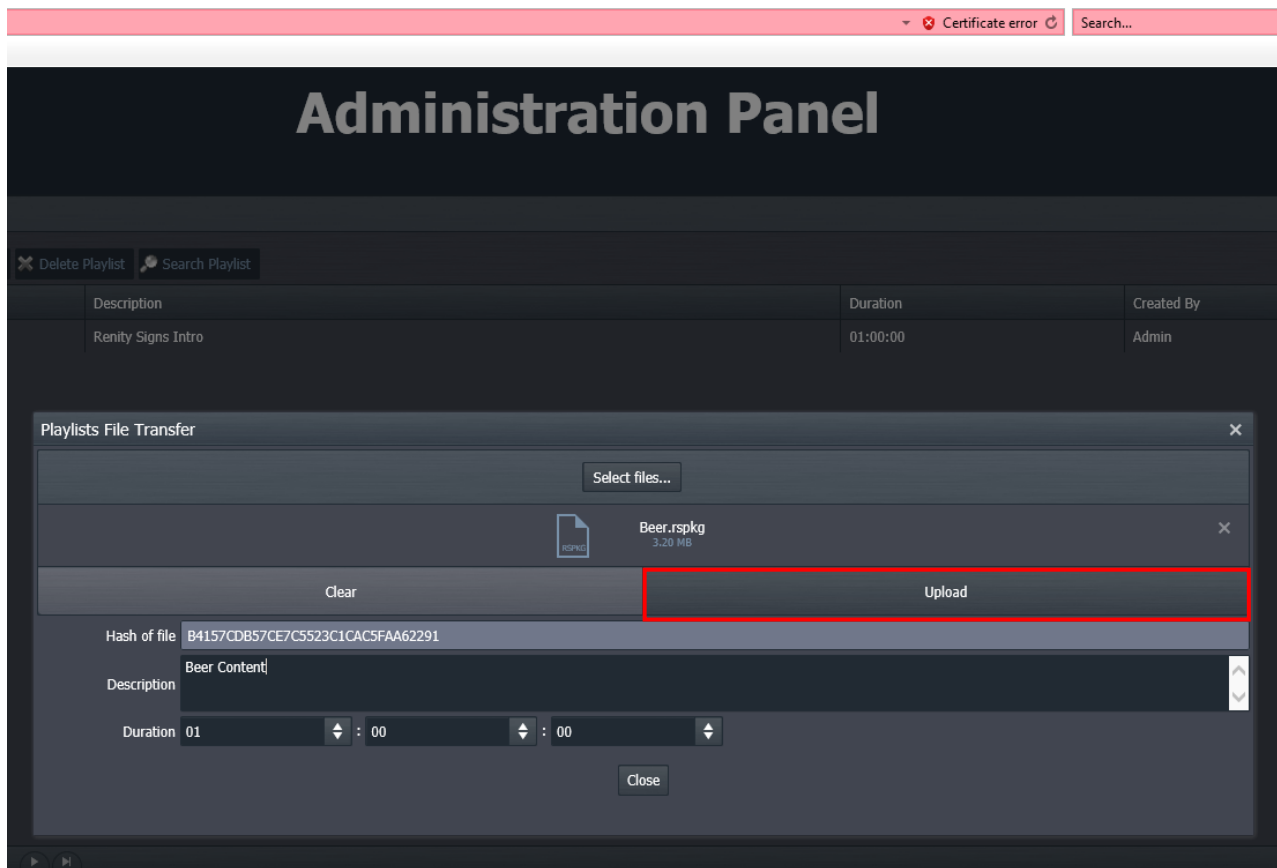


### Step3. Create the “Playlists” for different items/sensors

Click on “Playlists” on the sidebar

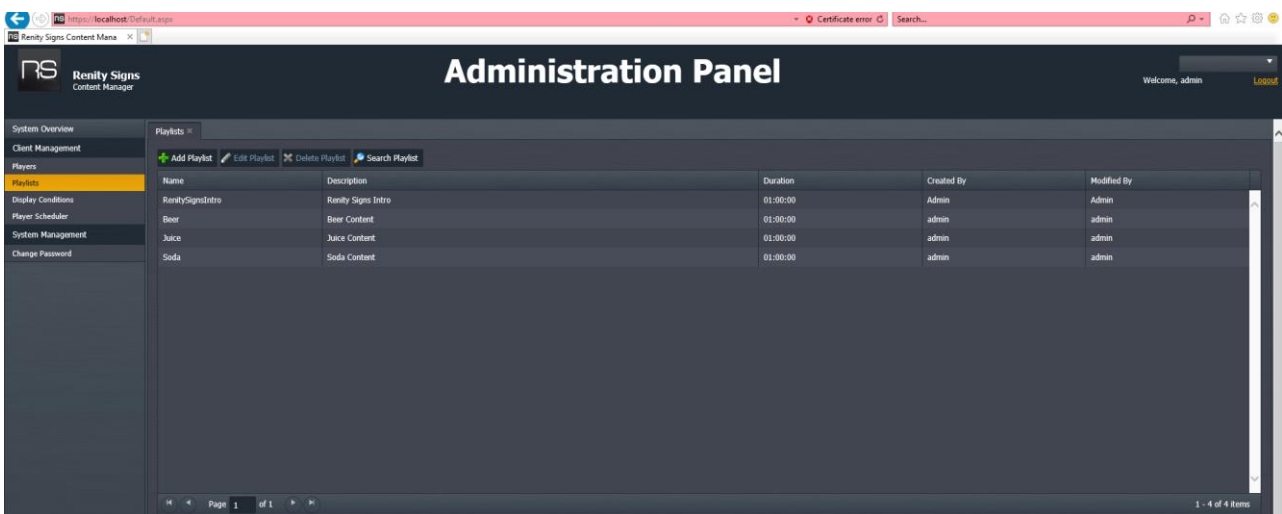


### Step4. Click on “Add Playlist” button to add content



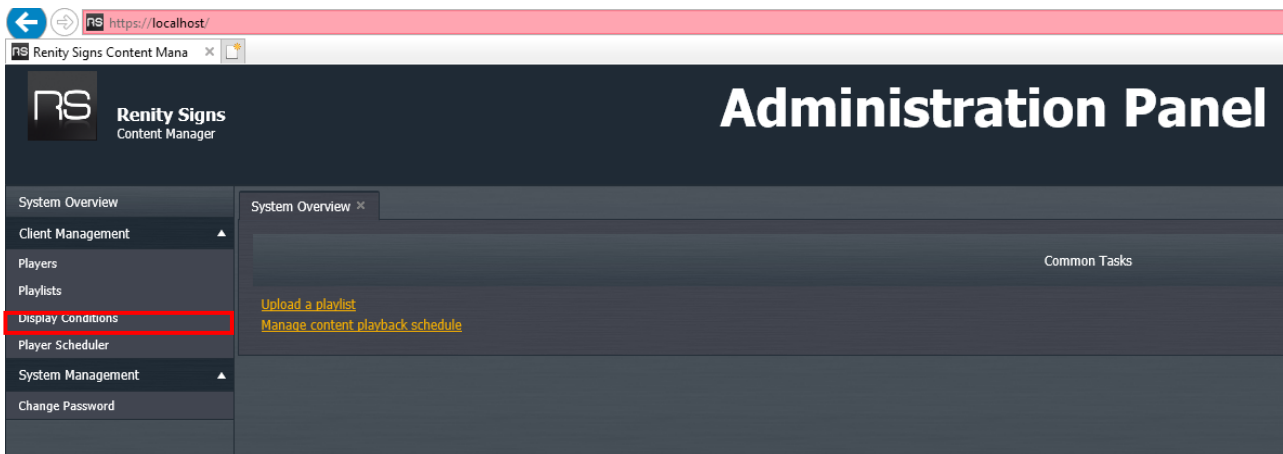
**Step5.** Click on “Select files...” button to choose your playlist file (\*.rspkg) and input “Description”, then click on “Upload” button to upload your playlist to CMS.

- \* All payable contents have to be edited by Renity Content Editor and saved as .rspkg file
- \* For further information, please refer to Renity Signs User’s Manual
- \* You can also download the Renity Content Editor (Windows Version) at Login page

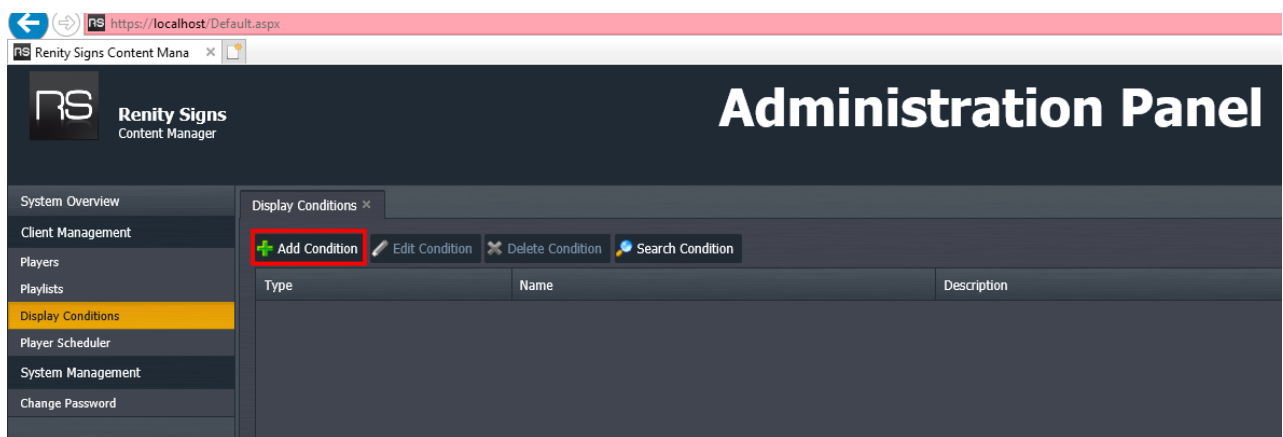


**Step6.** Repeat above steps to upload different items/sensors playlists till you have all contents for each items/sensors.

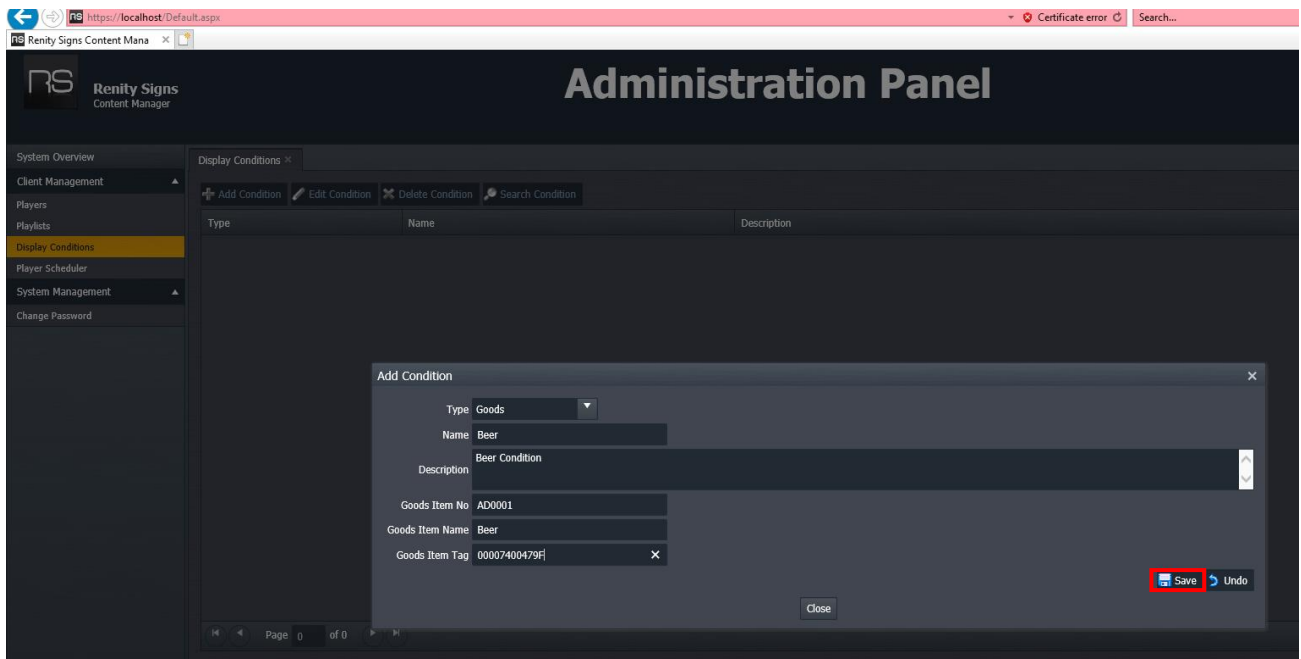


**Step7. Set display conditions for different items/sensors**

Click on “Display Conditions” of sidebar.

**Step8. Click on “Add Condition” button.**

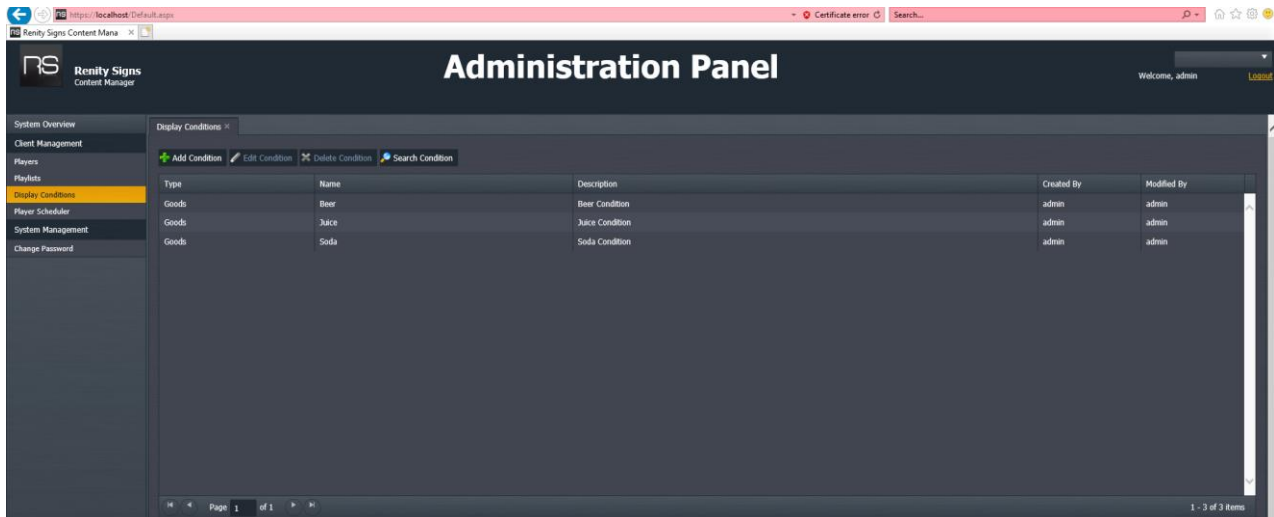
## Smart Shelf



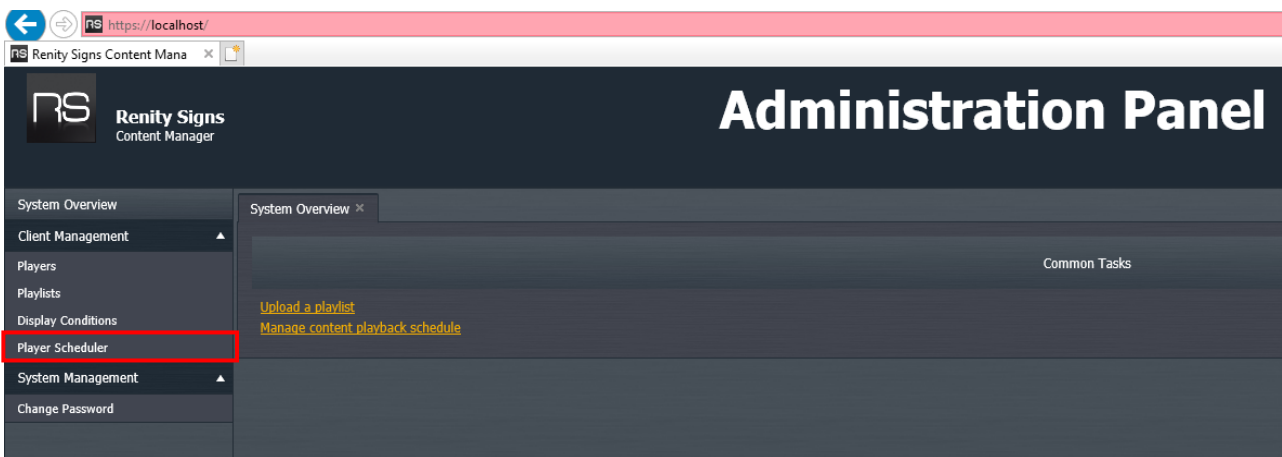
**Step9.** Input all necessary information, then click “Save” button to create condition as follow.



**CAUTION.** Sensor tag info is on the back side of the sensor marked in the red like above. Be sure to match the right conditions to correspondent item.

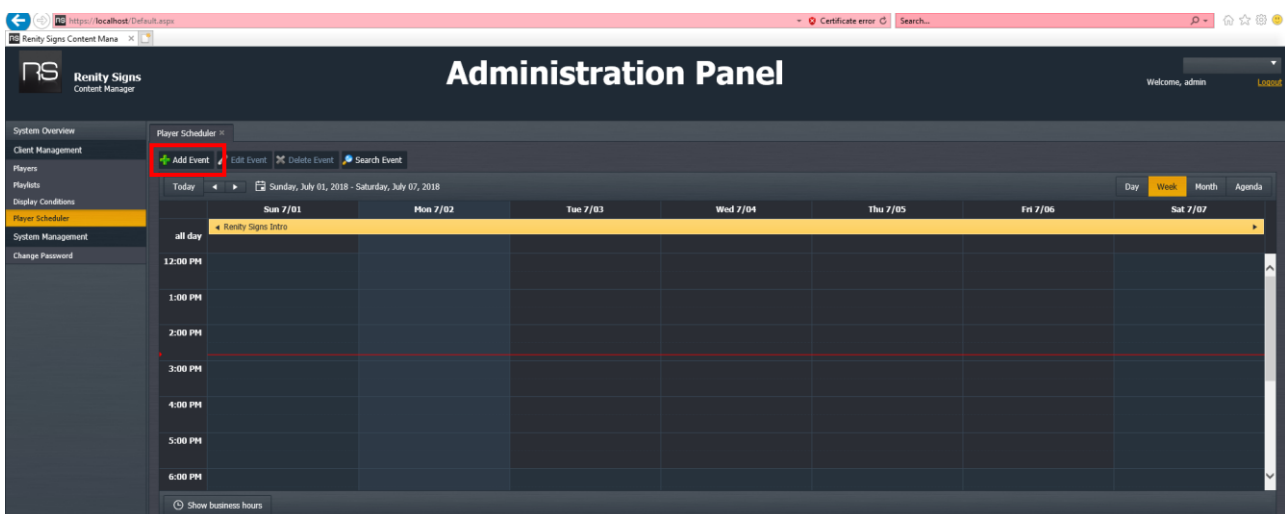


**Step10.** Repeat above steps to create all conditions.



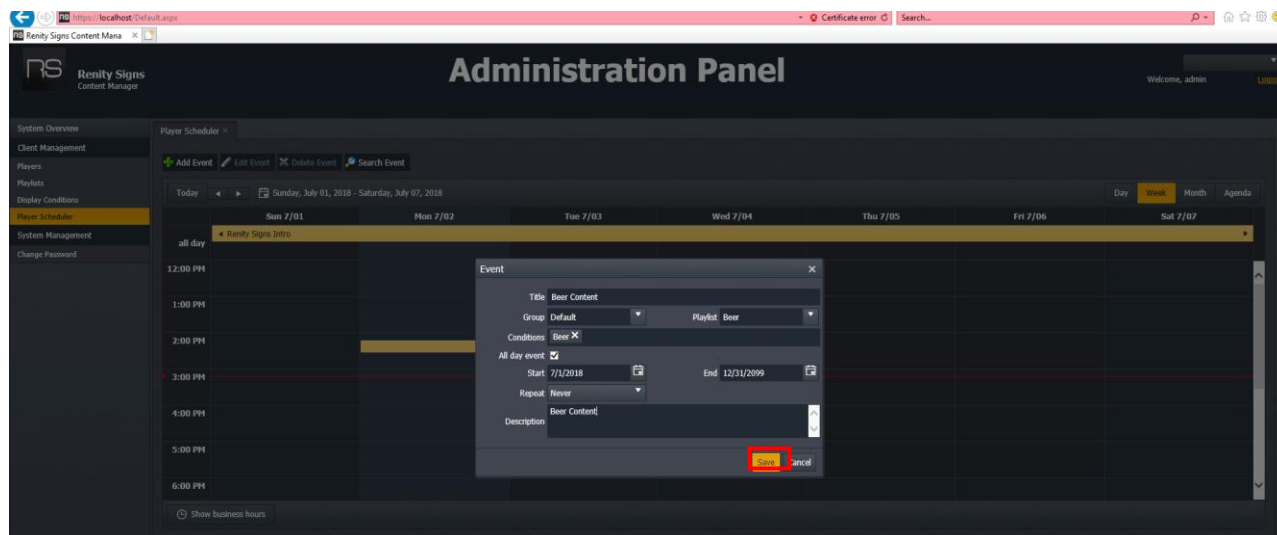
**Step11.** Create player schedule for different items/sensors

Click on “Player Scheduler” of sidebar

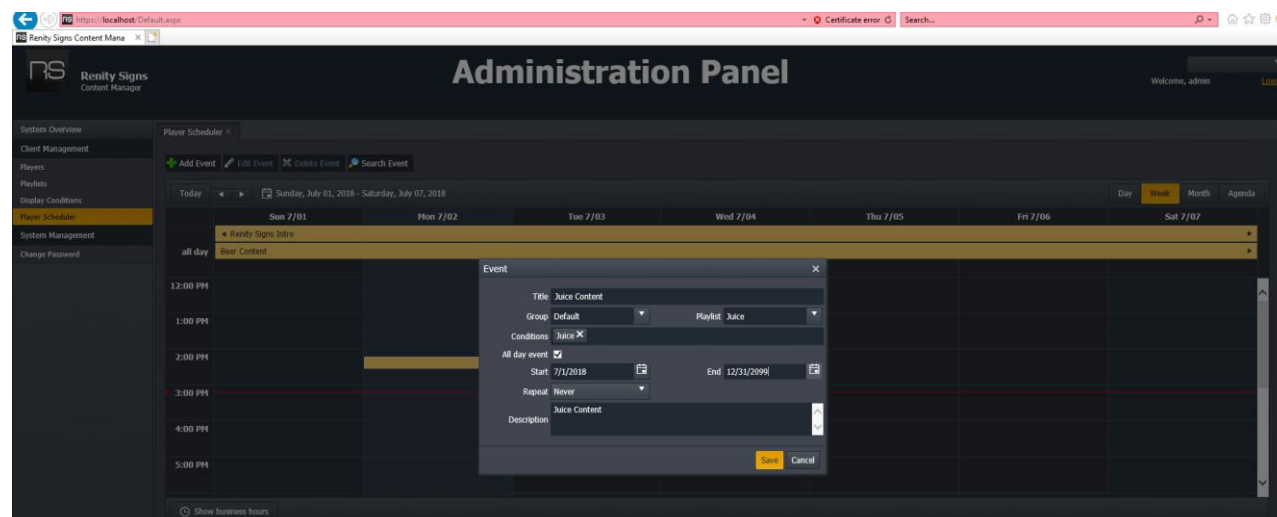


**Step12.** Click on “Add Event” button to create the default content without any condition

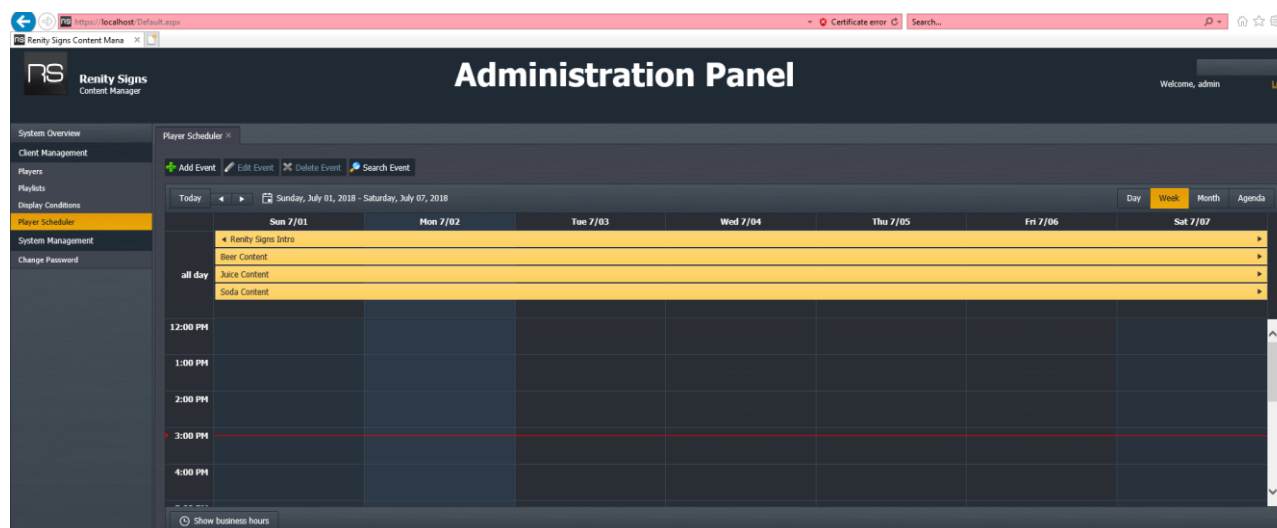
## Smart Shelf



**Step13.** Click on “Add Event” to create another event. Input all necessary information, then click on “Save” button to create an event.



**Step14.** Repeat above steps to create all events you would like to show.



**Step15.** Event example with one default content and 3 event contents. .

Smart shelf is ready to use now. The signage box will play default content when there is no items been moved. The signage box will play event content (playlist) when the items are moved and sensor is triggered.





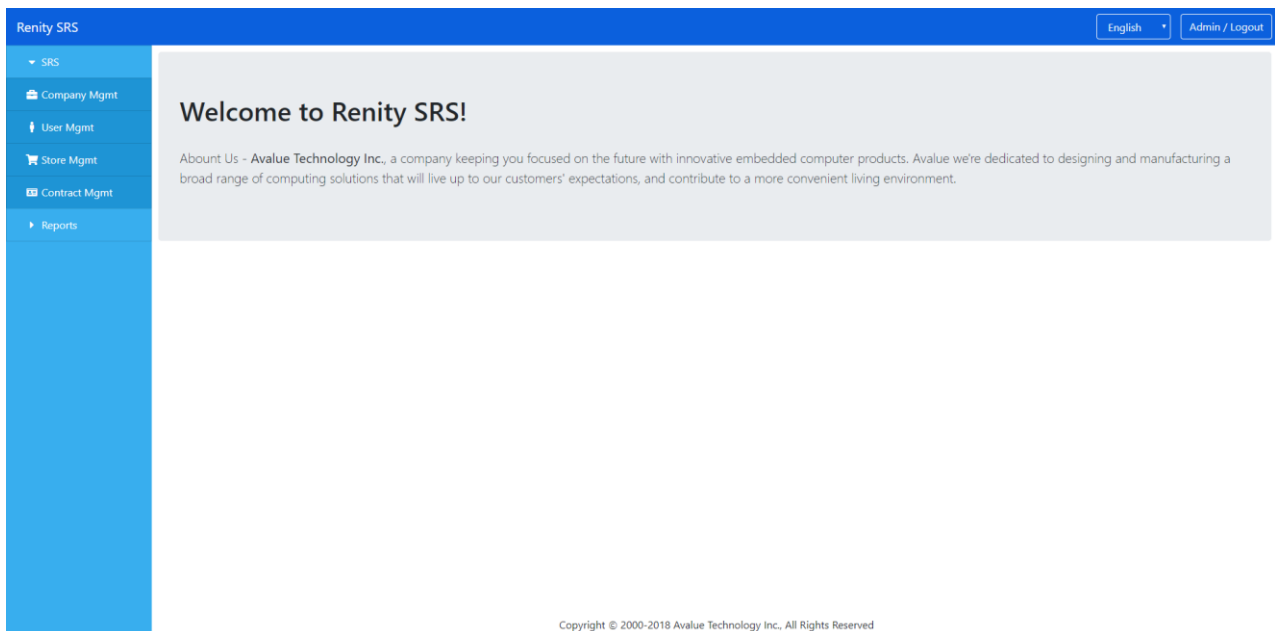
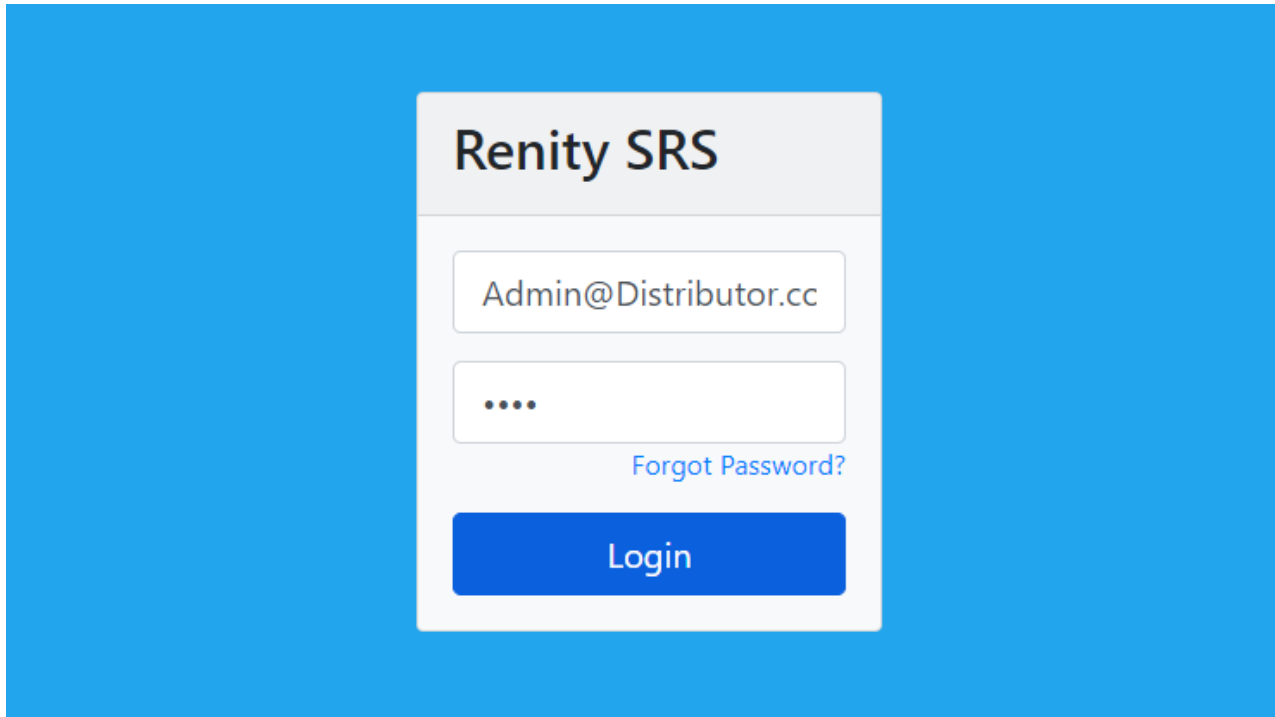
## Smart Shelf



**Step16.** Fix the Sensor on the relevant advertising items and test the playback.

## 2.3 Renity Signs – SRS Account Setting

To look into the BI report of Smart Shelf, you need to setup user account (End customer) for this solution. Please follow the below stpes.



**Step1.** Login SRS system (<https://srs.renity.com.tw>) using your account.

# Smart Shelf

Renity SRS

EnglishAdmin / Logout

SRS

Company Mgmt

User Mgmt

Store Mgmt

Contract Mgmt

Reports

Company Mgmt

This page will show the Company of login User, and its customer Company informations.  
You can't delete yourself Company.

Create

Show Disabled Item

Name	Distributor	Abbr	Country
Distributor	Avalue Technology Inc.	D2	Taiwan / 台灣

1

Renity SRS

EnglishAdmin / Logout

SRS

Company Mgmt

User Mgmt

Store Mgmt

Contract Mgmt

Reports

Company Mgmt / Create

Token will be generated automatically after this Company is created successfully.

NameCustomerCompany

DistributorDistributor

AbbrCC

Country

Website

Address

Email

Phone

Representative

Token

UpdateAt

DeletedAt

SaveCancel

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Renity SRS

EnglishAdmin / Logout

SRS

Company Mgmt

User Mgmt

Store Mgmt

Contract Mgmt

Reports

Company Mgmt

This page will show the Company of login User, and its customer Company informations.  
You can't delete yourself Company.

Create

Show Disabled Item

Name	Distributor	Abbr	Country
Distributor	Avalue Technology Inc.	D2	Taiwan / 台灣
CustomerCompany	Distributor	CC	

1

Step2. Add Customer Company.



Renity SRS English Admin / Logout

SRS

**Company Mgmt**

This page will show the Company of login User, and its customer Company informations.  
You can't delete yourself Company.

[+ Create](#) [Show Disabled Item](#)

Name	Distributor	Abbr	Country
Distributor	Avalue Technology Inc.	D2	Taiwan / 台灣
CustomerCompany	Distributor	CC	

Website  Address  Email

Phone  Representative  Token 746D6773ADFFD1E69E991D8189589011

UpdateAt  DeletedAt

[Services](#) [Update](#) [Delete](#)

1

Renity SRS English Admin / Logout

SRS

**Company Mgmt / CustomerCompany / Services**

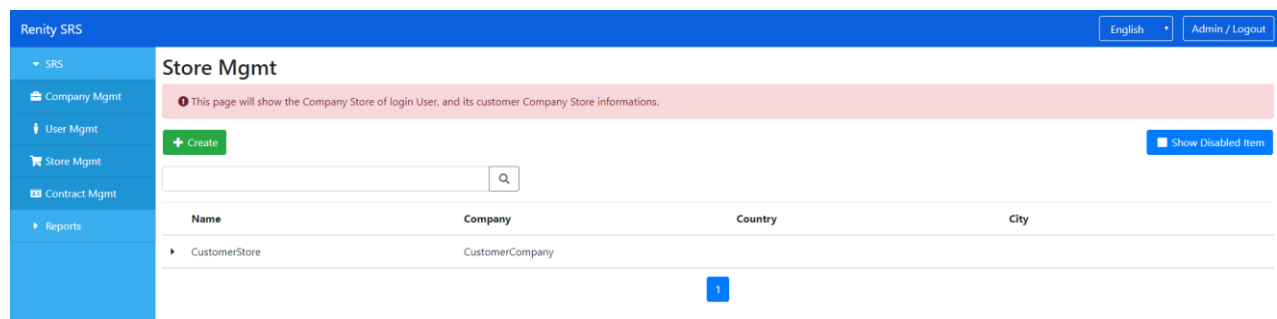
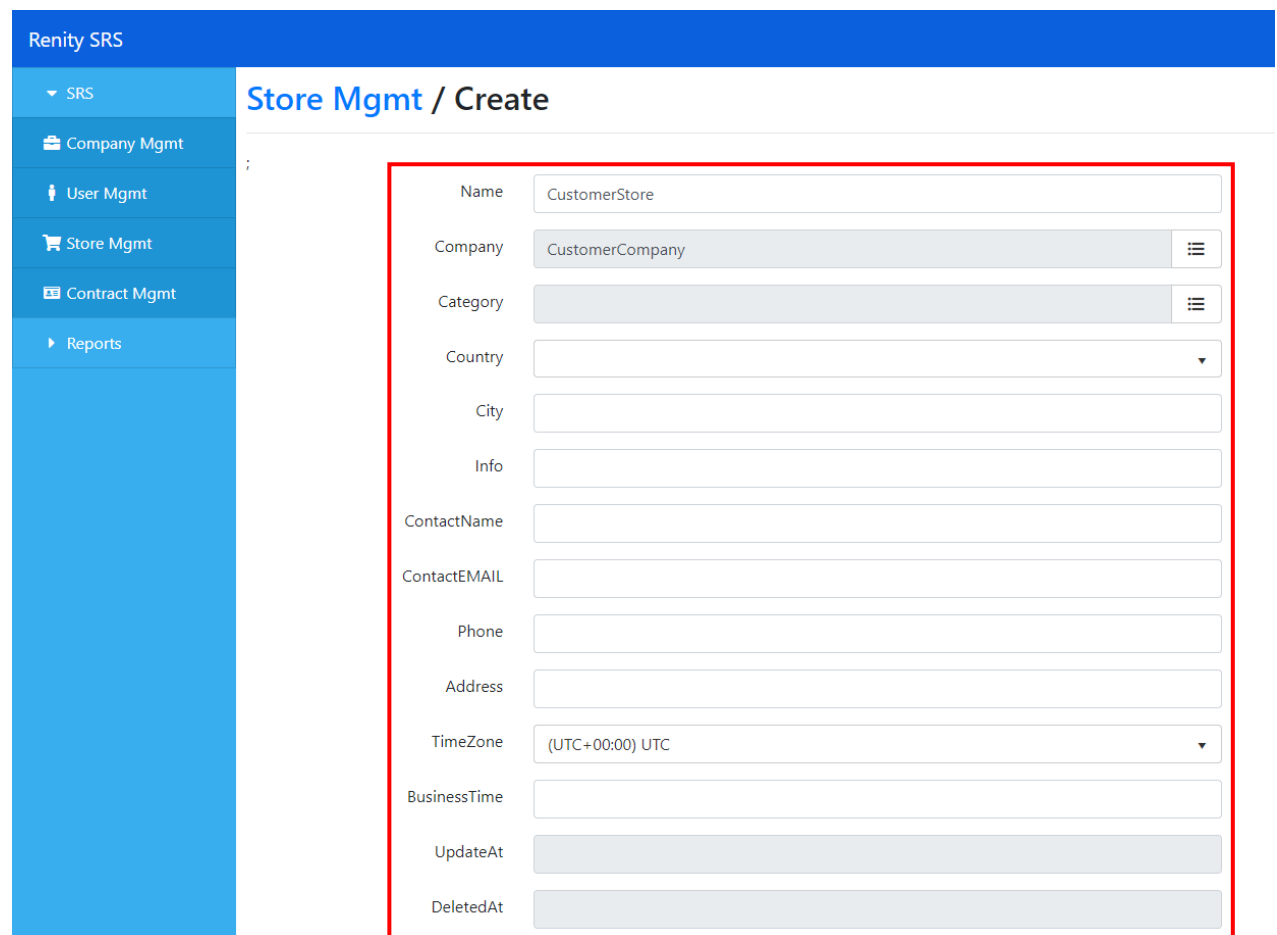
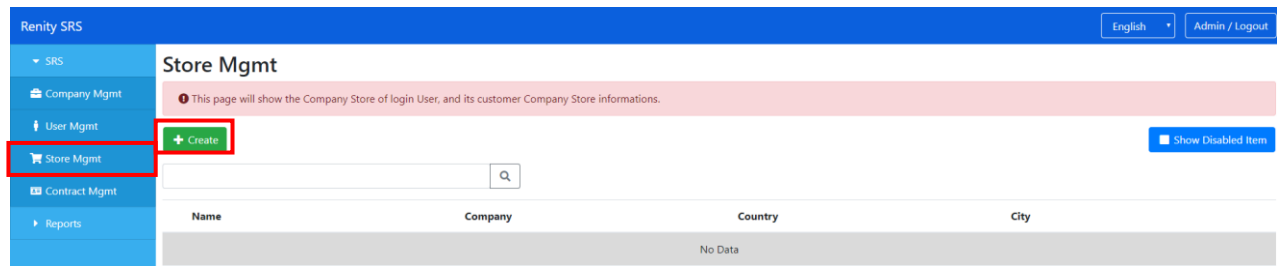
At this page, you can choose the available Services of this Company.

Name	Description	I18nKey	Abbr
<input type="checkbox"/> QSer		QSer	QSER
<input type="checkbox"/> SRS		SRS	SRS
<input checked="" type="checkbox"/> Reports		Reports	RPT
<input type="checkbox"/> Facial Recognition	Facial Recognition	FacialRecognition	FR
<input type="checkbox"/> People Counting	People Counting	PeopleCounting	PC
<input checked="" type="checkbox"/> Smart Shelf	Smart Shelf by using Beacon	SMARTSHELF	SF

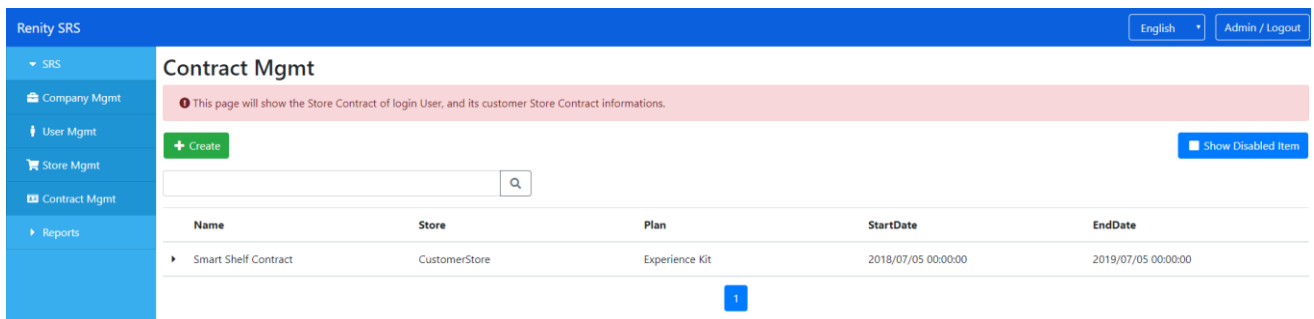
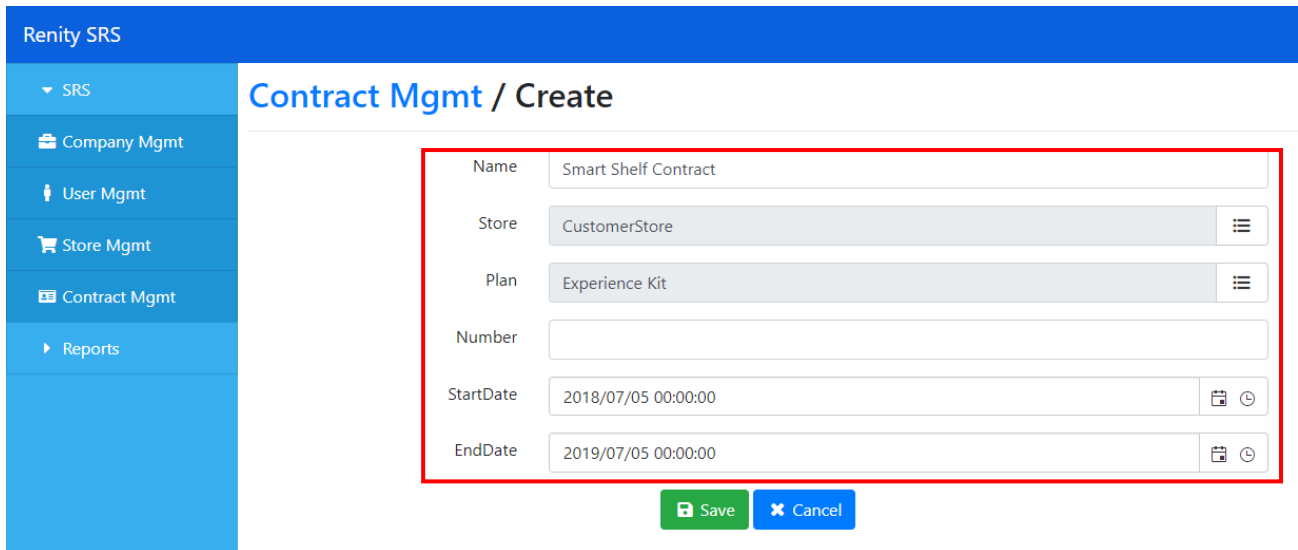
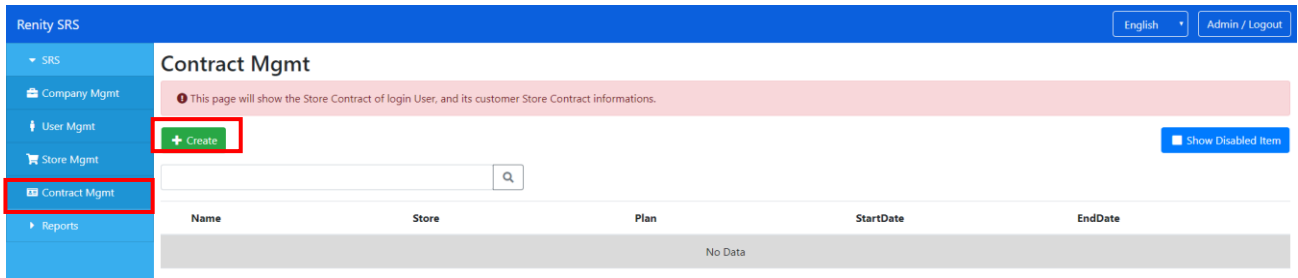
1

**Step3.** Add Customer Company Service.

# Smart Shelf



**Step4.** Add Customer Store.



**Step5.** Add Contract.

# Smart Shelf

Renity SRS English Admin / Logout

SRS

- Company Mgmt
- User Mgmt
- Store Mgmt**
- Contract Mgmt
- Reports

## Store Mgmt

This page will show the Company Store of login User, and its customer Company Store informations.

[+ Create](#) [Show Disabled Item](#)

Name	Company	Country	City
CustomerStore	CustomerCompany		

Category  Info  ContactName

ContactEMAIL  Phone  Address

TimeZone (UTC+00:00) UTC BusinessTime  UpdateAt

DeletedAt

[Device List](#) [Update](#) [Delete](#)

1

Renity SRS English Admin / Logout

SRS

- Company Mgmt
- User Mgmt
- Store Mgmt
- Contract Mgmt
- Reports

## Store Mgmt / CustomerStore / Device List

This page will show all the Device informations of this Store.

[+ Create](#) [Show Disabled Item](#)

Name	Contract	Uniqueld	Description
No Data			

Renity SRS

SRS

- Company Mgmt
- User Mgmt
- Store Mgmt
- Contract Mgmt
- Reports

## Store Mgmt / CustomerStore / Device List / Create

Uniqueld will be generated automatically after this Device is created successfully.

Name

Contract

DeviceType

Platform

Uniqueld

Description

UpdateAt

DeletedAt

[Save](#) [Cancel](#)

Renity SRS English Admin / Logout

SRS

- Company Mgmt
- User Mgmt
- Store Mgmt
- Contract Mgmt
- Reports

## Store Mgmt / CustomerStore / Device List

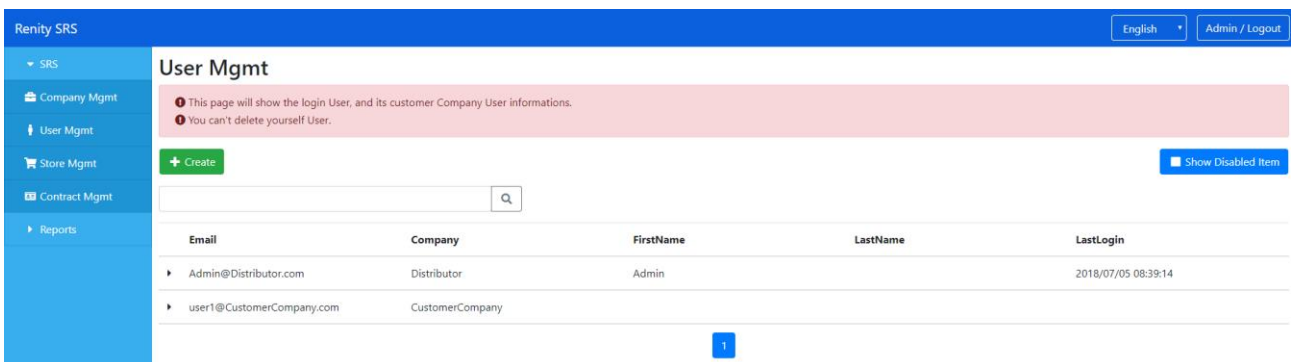
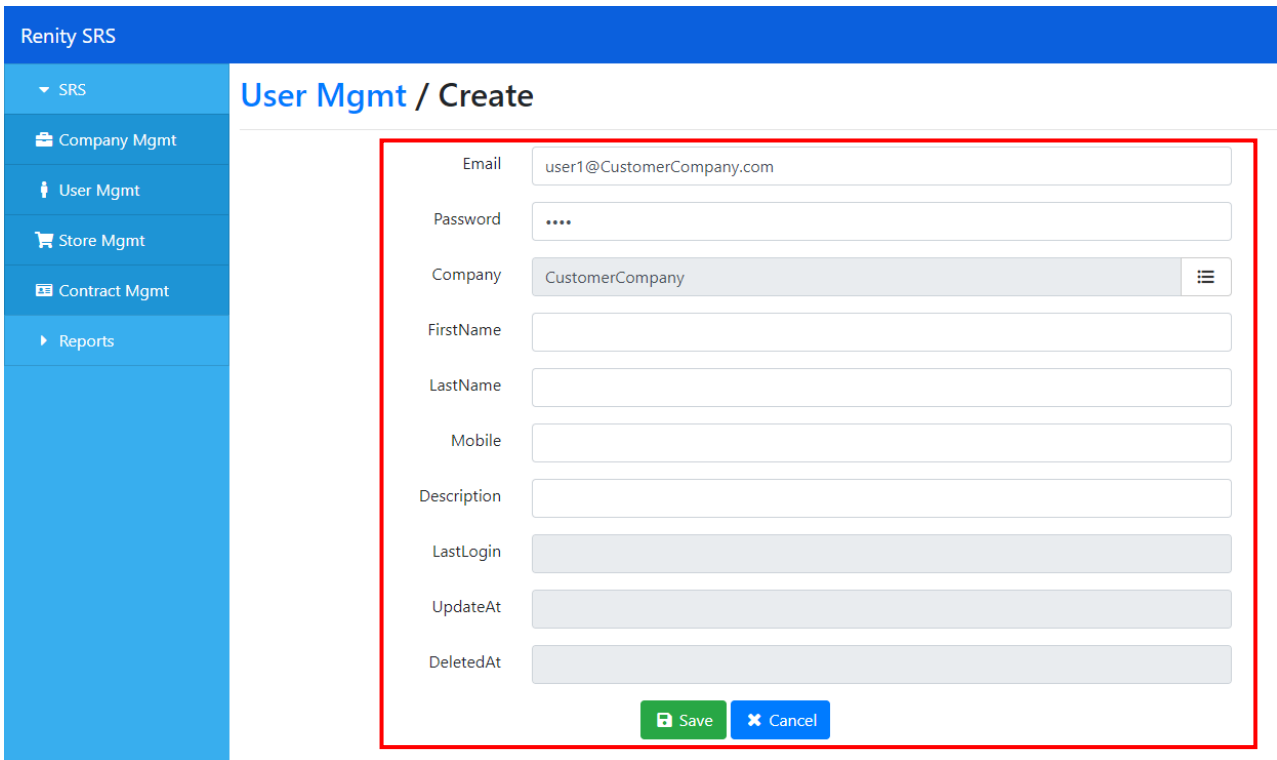
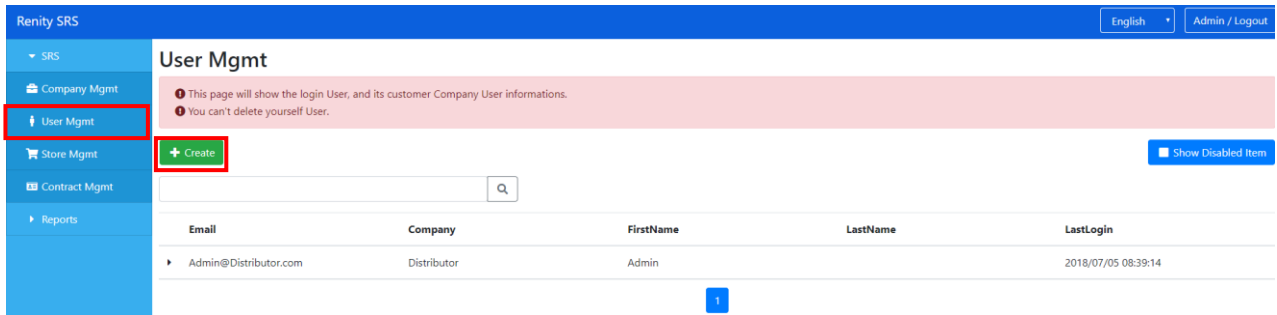
This page will show all the Device informations of this Store.

[+ Create](#) [Show Disabled Item](#)

Name	Contract	Uniqueld	Description
CustomerDevice1	Smart Shelf Contract	D2-CC-0000-0001	

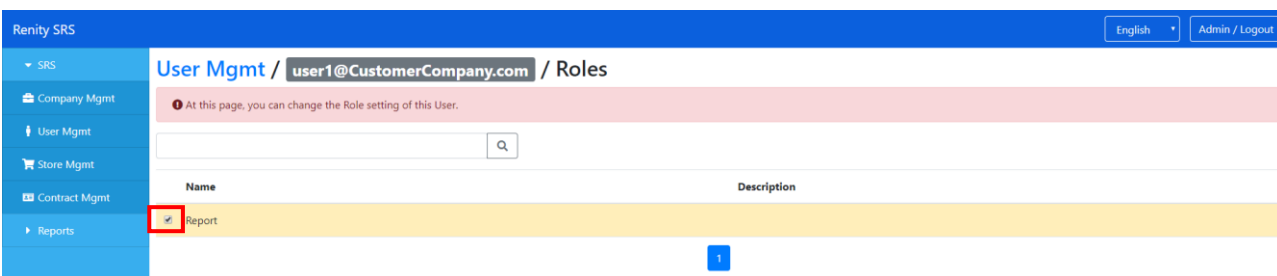
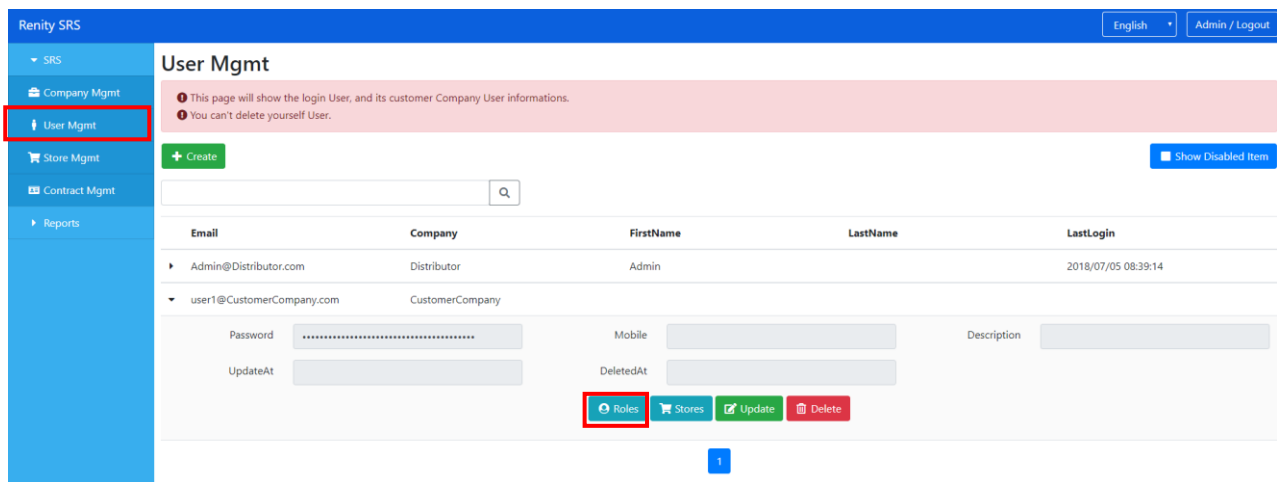
1

**Step6.** Add Customer Device.

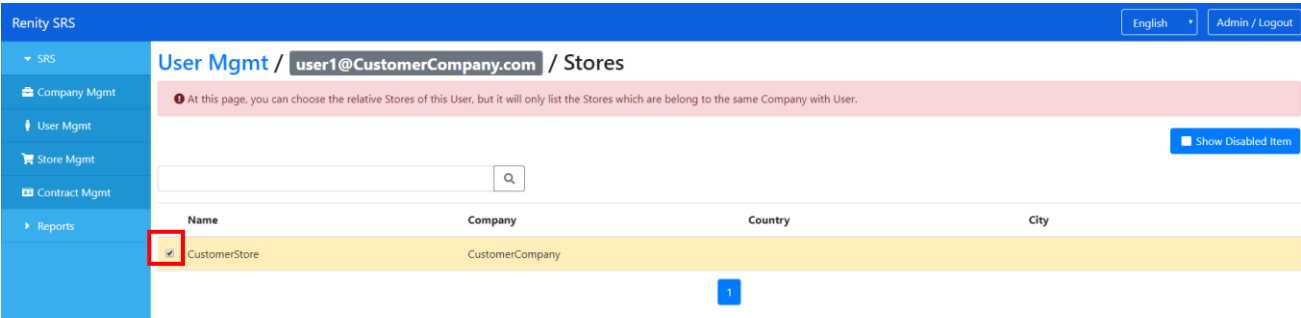
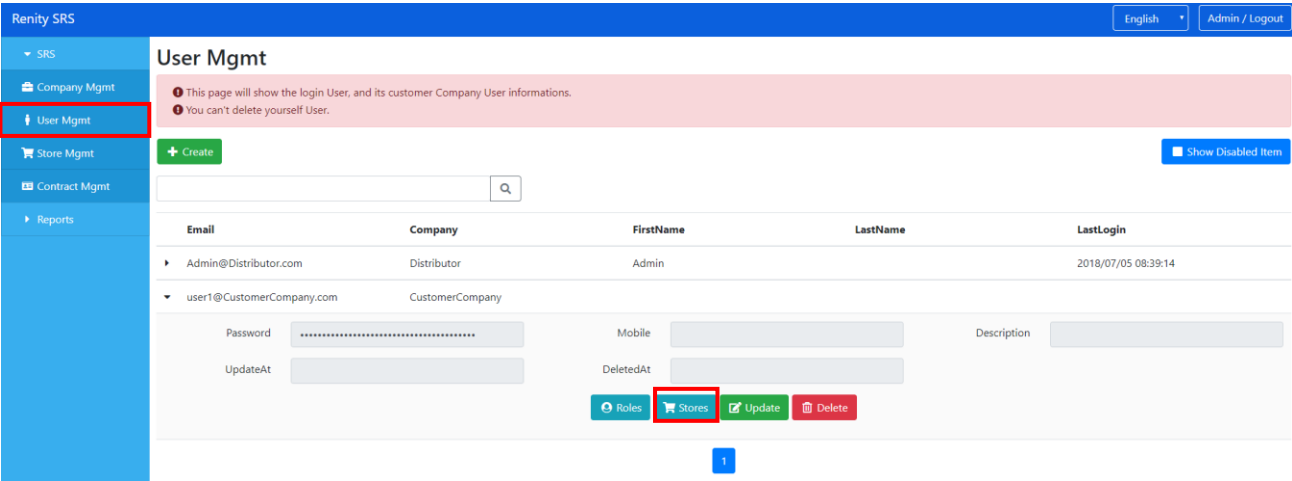


**Step7.** Add Customer User.

# Smart Shelf

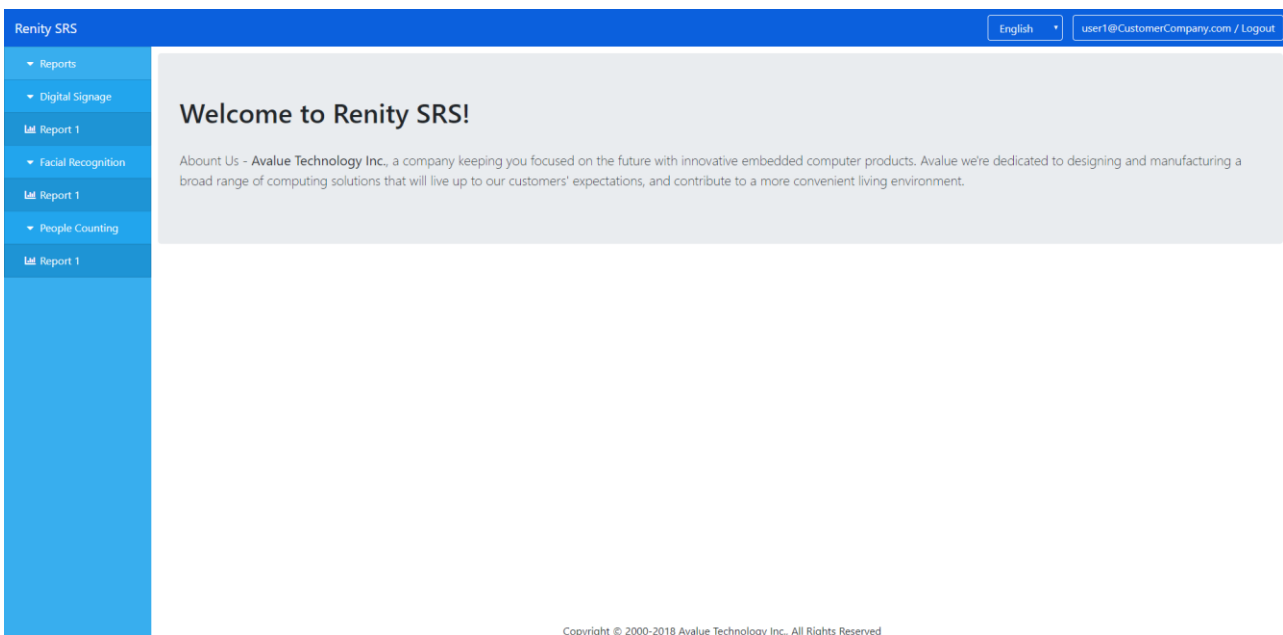
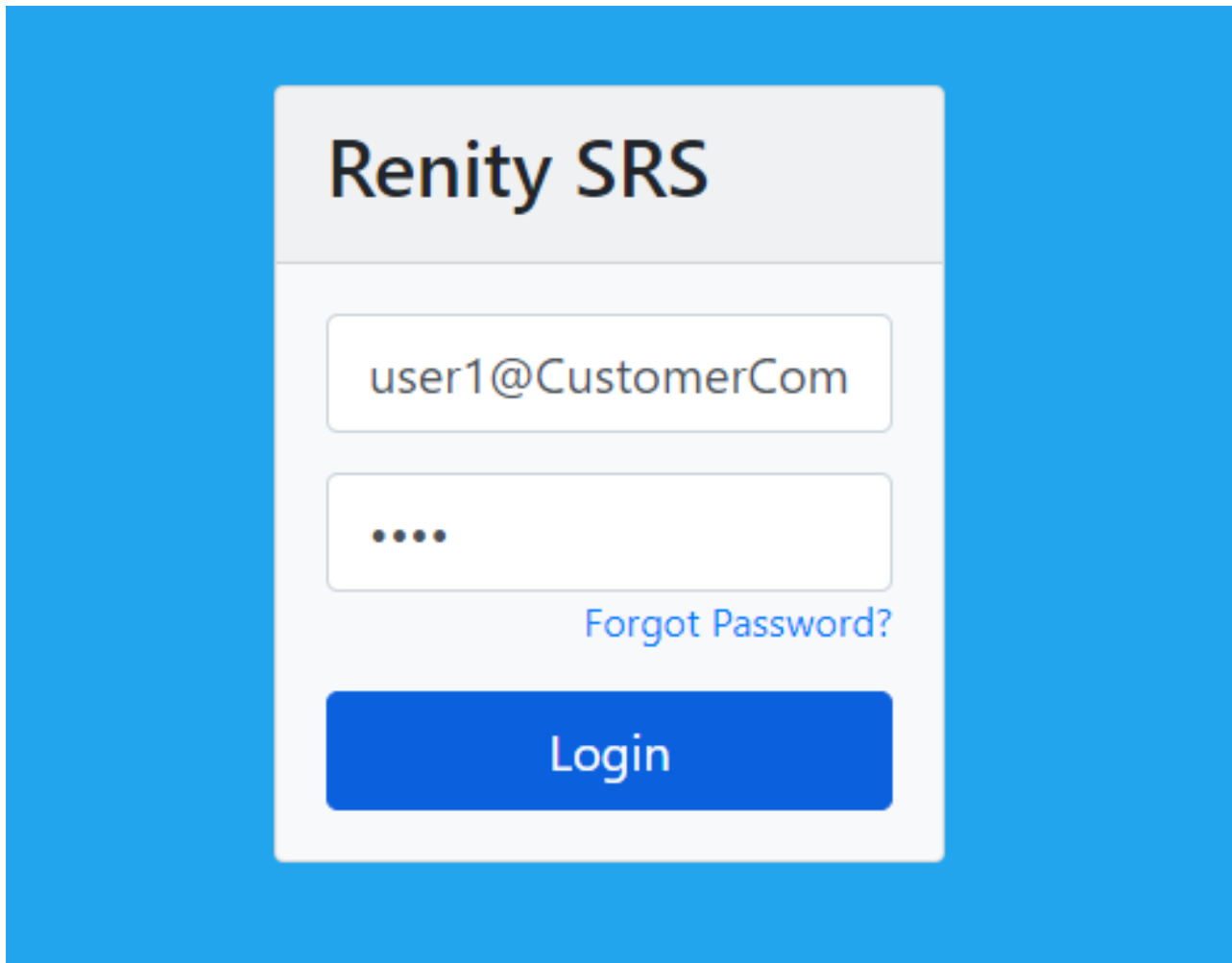


**Step8.** Add Customer User Role.



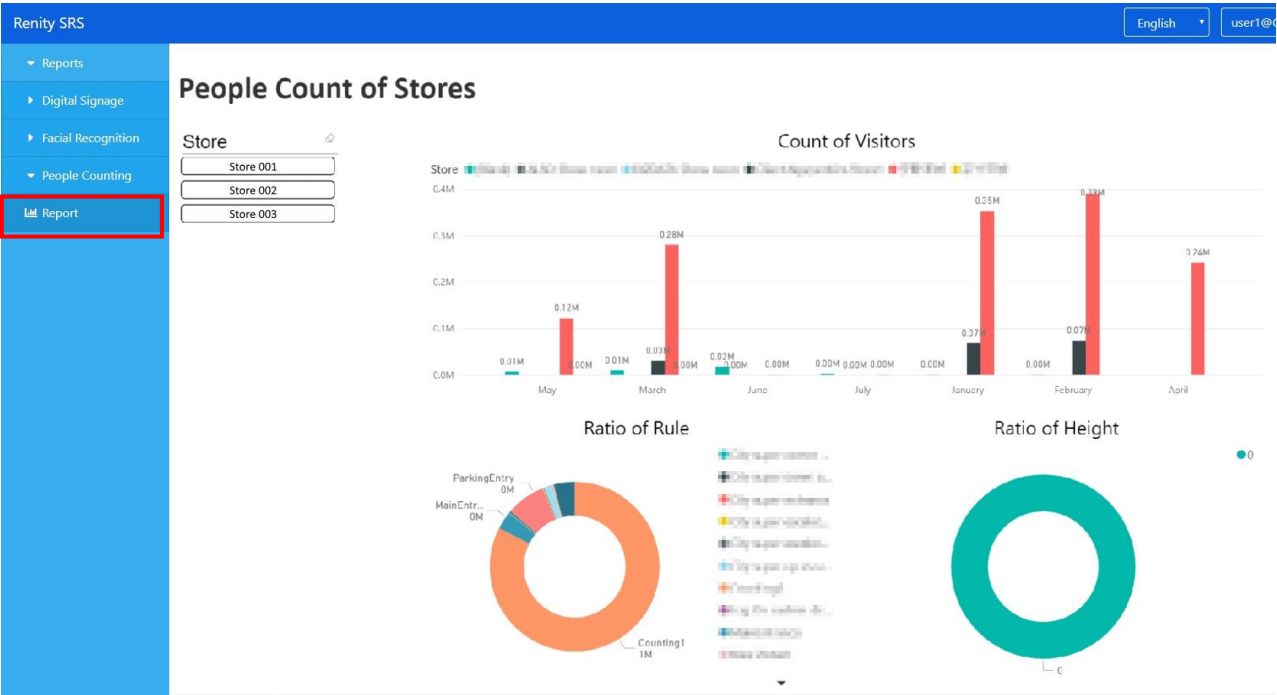
**Step9.** Step8. Add Customer User Store.

## 2.4 Renity Signs – People Counting Report



**Step1.** Login.





Step2. People Counting Report.