



V-BOX Cloud Configuration



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1. Brief instruction of cloud configuration platform

The default page of the V-BOX cloud configuration platform after login is shown as Figure 1-1. The main functions of this platform include the centralized monitoring, template management, project management, and authority management. The user can switch between the function modules through the left navigation bar, and the specific content of each function module will be displayed on the right side.

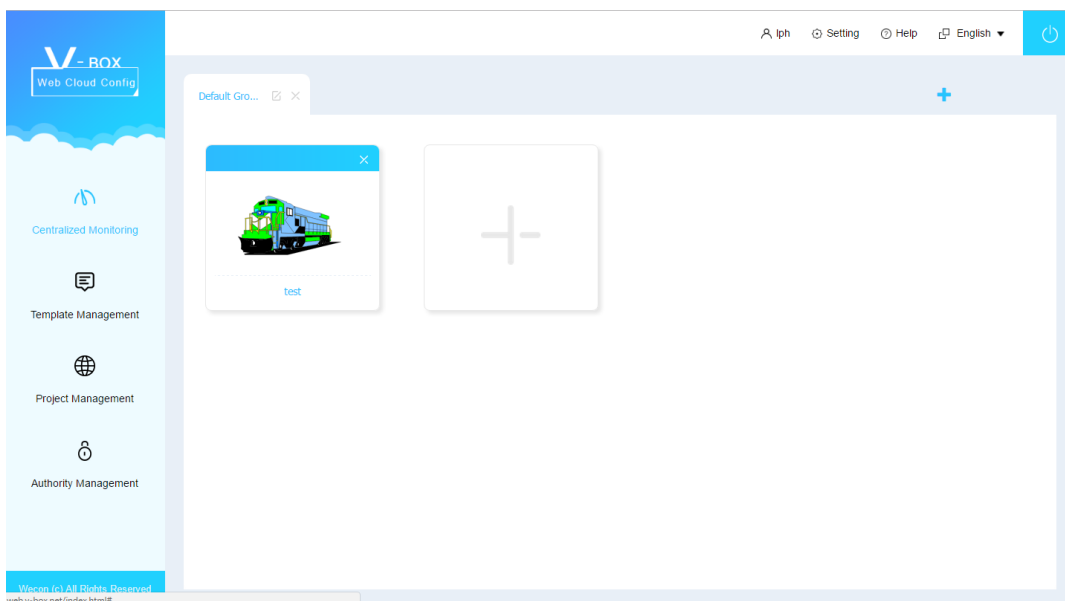


Figure 1-1

Introduction

- 1) Centralized monitoring: project list that is displayed in groups
- 2) Template management: add and edit templates and configure the template
- 3) Project management: add and edit project, and configure projects
- 4) Authority management: assign a project with permission management to a sub-account

2. Login

Operating procedures

- 1) Use browser to open the V-BOX cloud configuration platform as Figure 2-1 shows, the link is <http://web.v-box.net/web/html/user/login.html>.

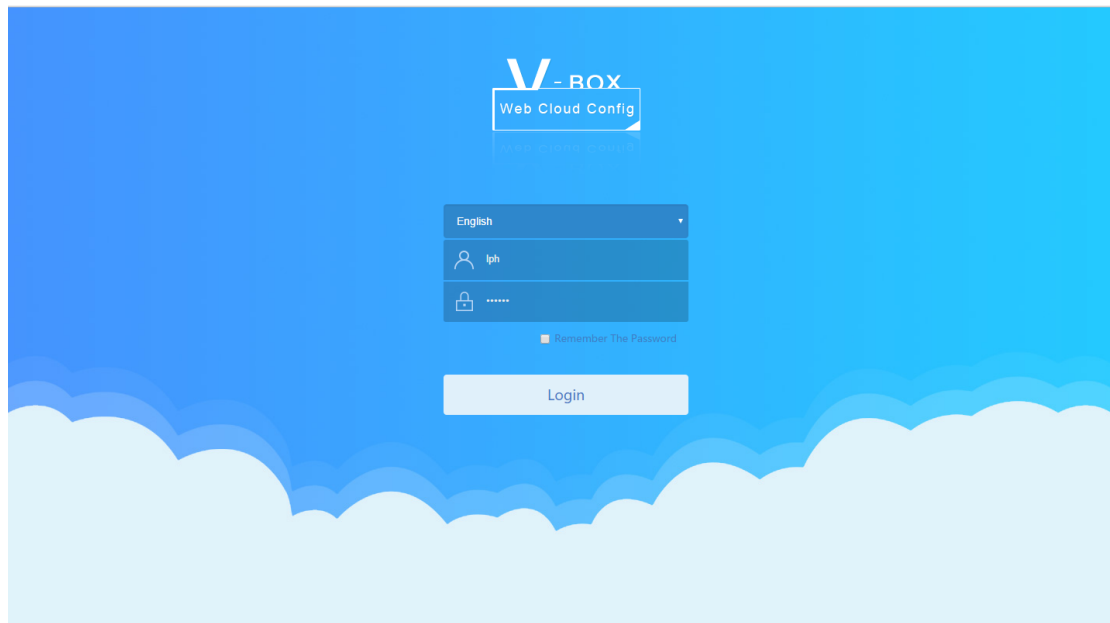


Figure 2-1

- 2) The account of the V-box cloud configuration platform is the same as the V-BOX account. User could log in with the correct user name and password after getting the permission.

Note:

Google Chrome is recommended.

3. Centralized monitoring

Centralized monitoring is the default home page of the platform. As shown as Figure 3-1.

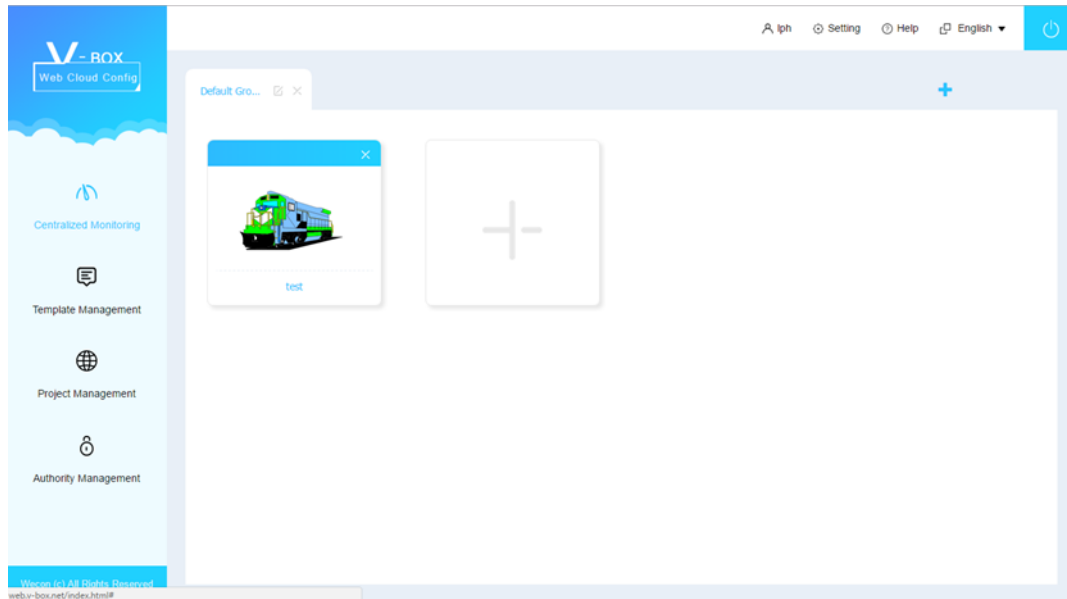


Figure 3-1

This page shows the list of projects under each group by switching groups. User could add, delete and modify the group. Adding projects to a group or removing projects or viewing specific project is possible.

3.1 Group management

The centralized monitoring module classifies the project by group management. As shown in Figure 3-2.

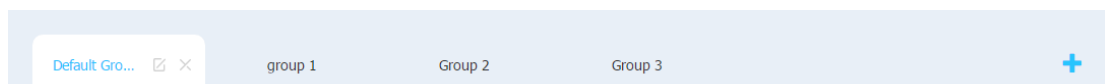




Figure 3-2

- 1) **Add a group:** Click the icon  to add a new group.
- 2) **Edit group:** Click the icon  to edit the group name.

- 3) **Delete group:** Click the icon ✕ to delete the current group.
- 4) **More group:** Click on the icon <> to display the previous or next group.

3.2 Assign project

The centralized monitoring module includes below functions: assign projects, remove projects and browse projects for each group. Click on the corresponding group to display the list of projects in the group, as shown in Figure 3-3.

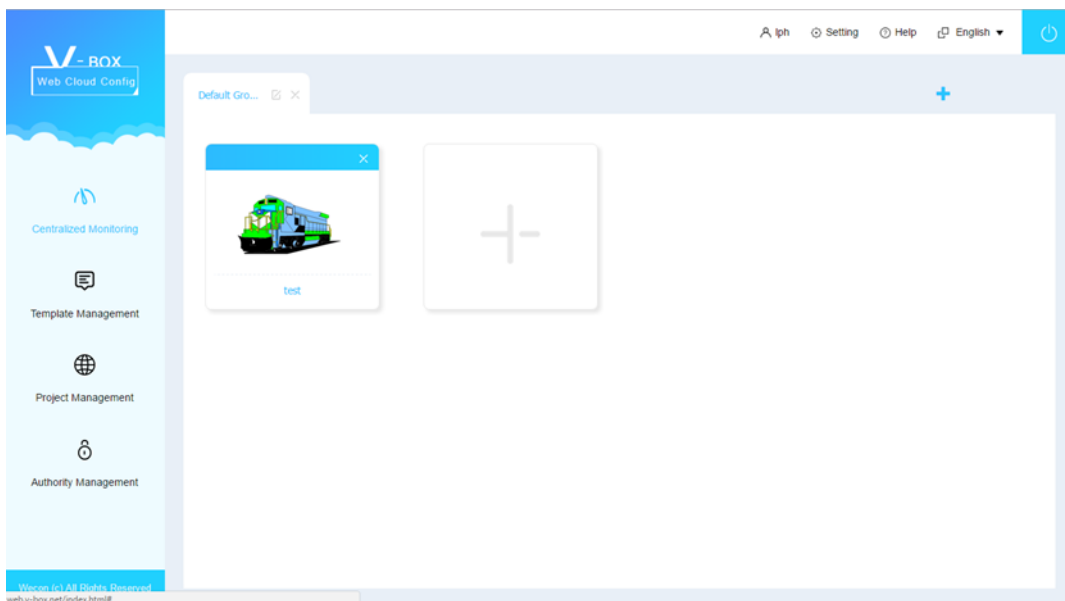


Figure 3-3

- 1) **Add project:** Click the button + in the project list area to assign a project to the group.
- 2) **Remove project:** Click the button ✕ in the upper right corner of a project thumbnail in the project list to move the project out of the group.
- 3) **Browse project:** Click on the project name to view the configuration screen of the project. For details, please refer to chapter 3.3.

3.3 Browse project

Click on a project name in the project list to view the configuration screen of the project. See Figure 3-4.

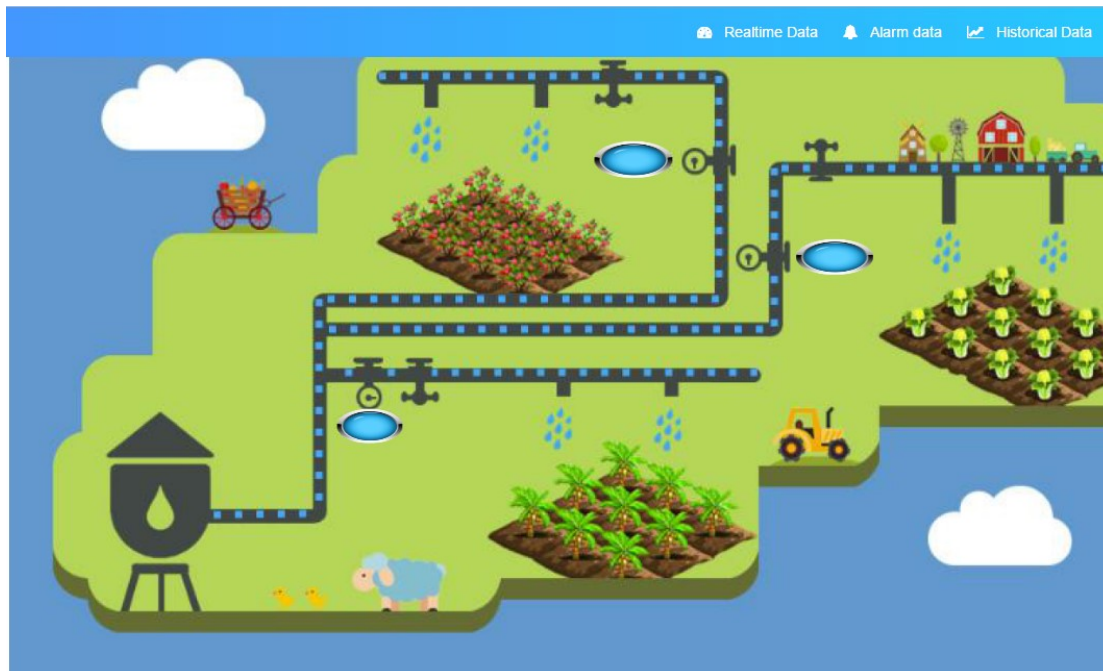




Figure 3-4

- 1) **Real-time data:** Click the “Real-time Data” button to view the device name and status. Or view the current value, encoding, description, etc. of each data.
- 2) **Alarm data:** Click the “alarm data” button to pop up the alarm record page and view the current alarm status and historical alarm information.
- 3) **Historical data:** Click the “History Data” button to pop up the history report interface of the data. In this page user can view all the historical data of the device.
- 4) **Multi-language:** multi-language drop-down menu, after selecting a language, the components supporting multi-language in the configuration screen will display the corresponding language.
- 5) : Zoom in screen
- 6) : Zoom out screen

4. Template management

4.1 Template management

Click the template management module on the left menu to enter the template management module, as Figure 4-1 shows.

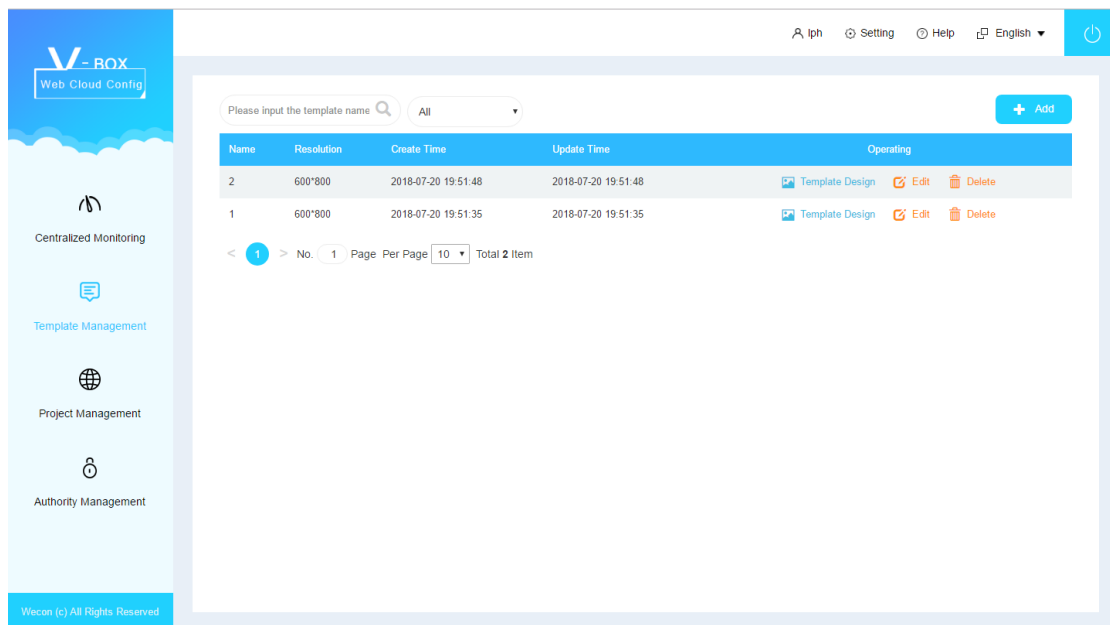
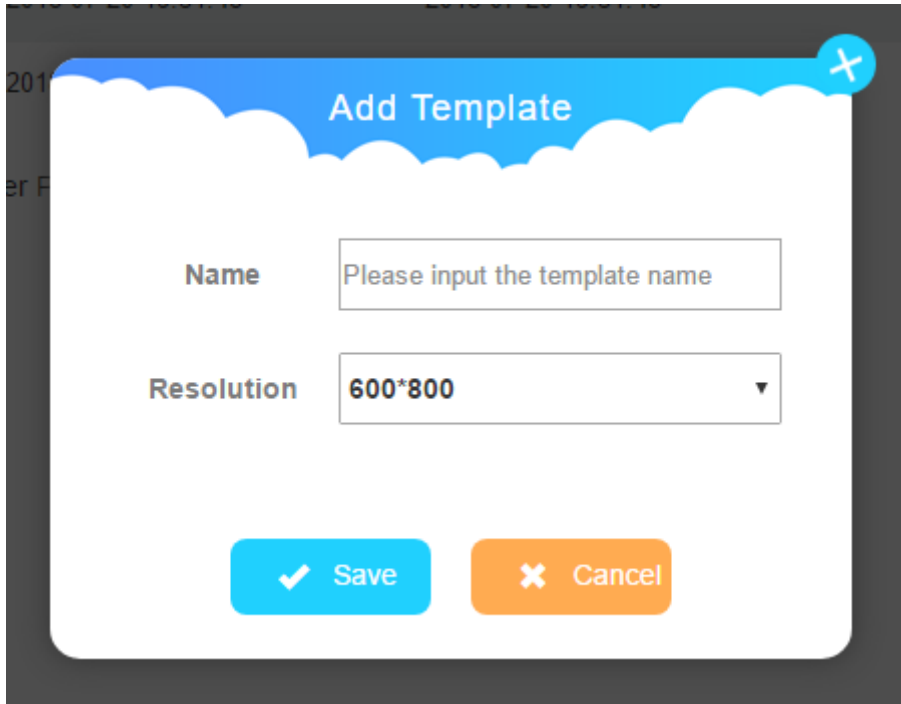


Figure 4-1

The V-box cloud configuration platform provides a template management module that can save the designed configuration screen as a template and user can import the template when needed.

4.2 Add, edit and delete template

- 1) **Add template:** Click the “Add” button to add a new template, as Figure 4-2 shows.
- 2) **Edit template:** Click the “Edit” button to edit the name and resolution of the template.
- 3) **Delete template:** Click the “Delete” button to delete the template.



The image shows a modal dialog box titled "Add Template". The dialog has a blue header bar with a white close button (X) in the top right corner. Below the header, there are two input fields. The first is labeled "Name" and contains the placeholder text "Please input the template name". The second is labeled "Resolution" and has a dropdown menu with "600*800" selected. At the bottom of the dialog, there are two buttons: a blue "Save" button with a white checkmark icon and an orange "Cancel" button with a white X icon.

Figure 4-2

4.3 Design template

Click the "Template Design" button in the template list to access the V-box config platform editor page. User could edit the template in this page. More details about how to design the project please refer to Chapter 6.

5. Project management

5.1 Project management

Click the “project management” on the left menu to enter the project management module, as Figure 5-1 shows.

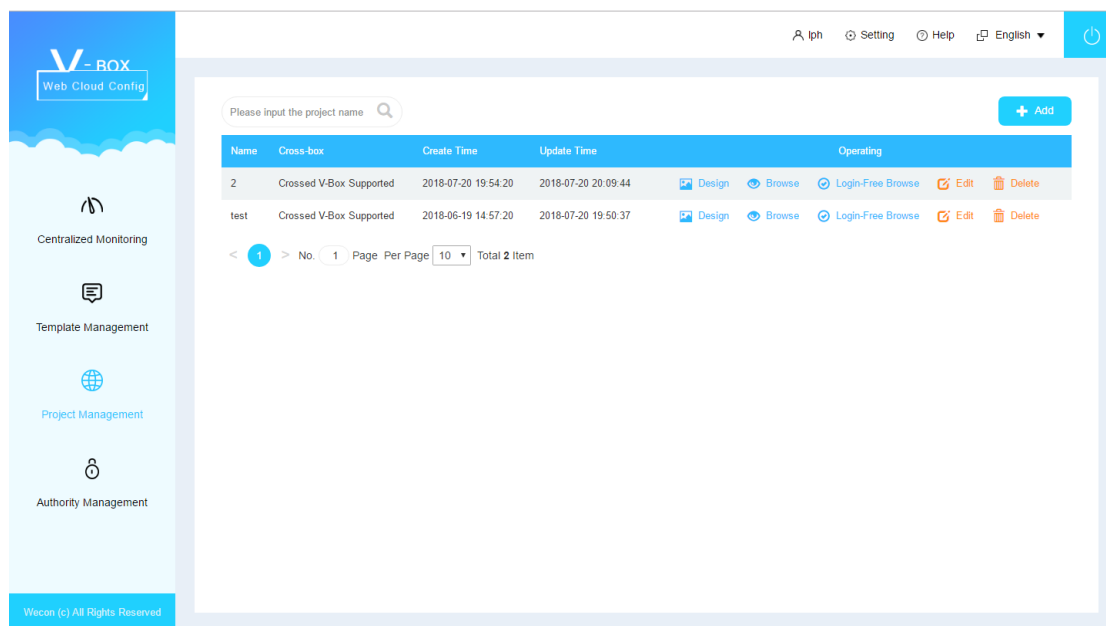


Figure 5-1

5.2 Add, edit, delete and preview project

- 1) **Add project:** Click the “Add” button in the upper right corner of “Project Management” to add a new project (Set project name and cross-box options).
- 2) **Edit project:** Click the “Edit” button in a specific project line of the project list to modify the project (Set project name and cross-box options).
- 3) **Delete project:** Click the “Delete” button to delete the corresponding project.
- 4) **Preview project:** Click the “Browse” button to browse the project.

5.3 Login-free browse

Click the “Login-free browse” button in a specific project line of the project list to pop up window, set the expiration time in the pop-up window, then user can get the browsing address and QR code (just need a scan to browse).

5.4 Project design

Click the “Design” button in a specific project line of the project list to access the configuration editor page. For more details please check Chapter 6.

6. V-box configuration design

6.1 Main interface and function partition

In the template management and project management, click the configuration design button to enter the V-BOX cloud configuration editor to configure the template or project. The main interface of the cloud configuration editor is shown in Figure 6-1.

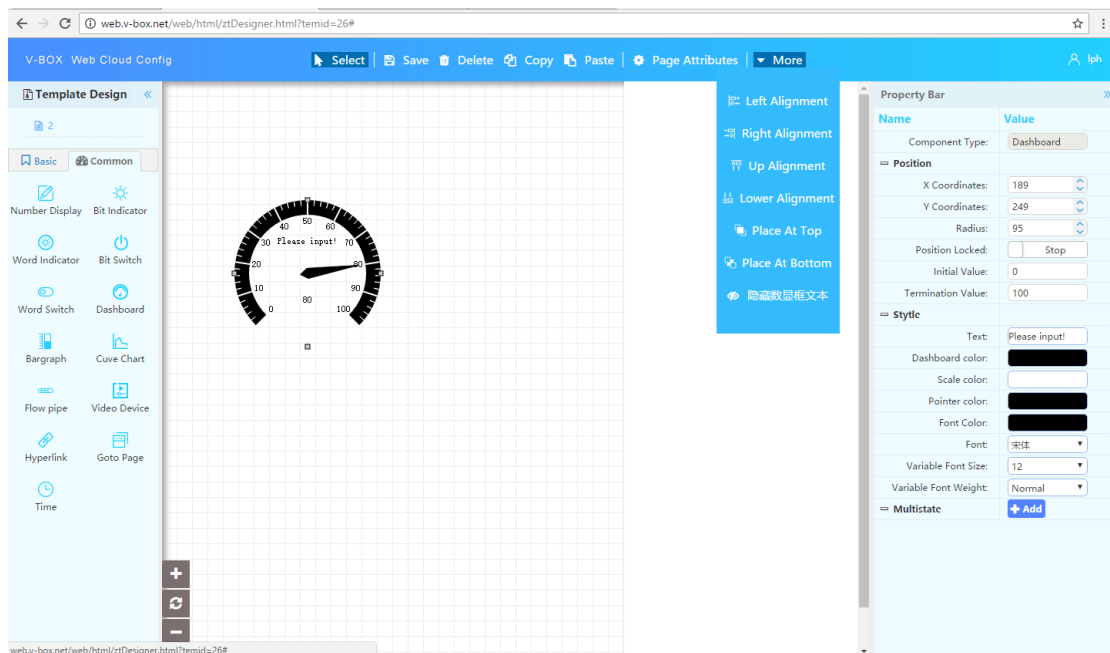


Figure 6-1

The function partition of V-BOX cloud configuration editor is shown in Figure 6-2.

- 1) **Toolbar:** A function bar that provides page operations and component operations.
- 2) **Page bar:** to show all pages created by the current project
- 3) **objects Bar:** The V-BOX Configuration Editor provides 7 basic shapes and 13 common parts. The design of the state picture.
- 4) **Canvas area:** The area used to design the screen in template design and project design.
- 5) **Parts property bar:** Displays the properties of the active component in the current canvas and the area of the operation.

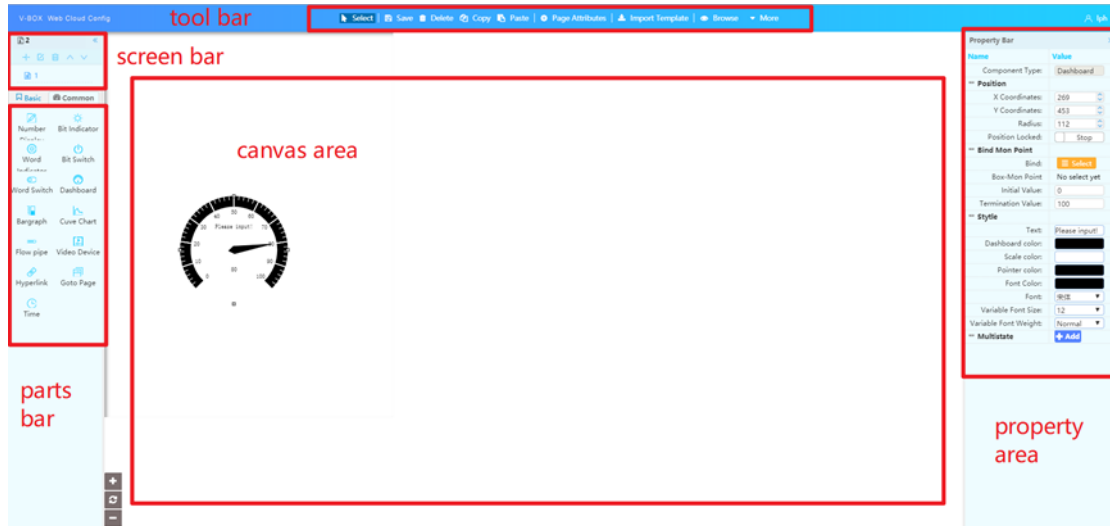


Figure 6-2

6.2 Design steps

- 1) Create a page and set the property.
- 2) Select the part and drag the mouse in the canvas area to draw the part.
- 3) Edit the part property and set the variable etc.
- 4) Save the screen.

6.3 How to create and edit screens

1) What is a screen

A project or template (hereinafter only a project) is composed of one or more screens, i.e. the page list of the cloud configuration editor. The content of a screen will be designed in the canvas area. As shown in Figure 6-3.

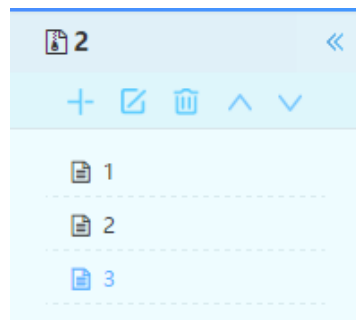



Figure 6-3

The screen includes normal screen and the thumbnail. The thumbnail will appear in the project list and template list. Normal pages will be displayed when browsing projects or templates.

In the project browsing page, the top page in the page list is displayed by default, which is the main image in Figure 6-3. Toggle the screens by page jump or changing links.

2) How to create a screen?

Click on the button  in the page area to create the screen. In the Add New Page pop-up window, fill in the relevant properties of the newly added screen and click save to create a new page. As shown in Figure 6-5.

When creating a screen as above, select the thumbnail in the "Wide ✖ Height" drop-down menu to create a thumbnail. If user selects other option like 600*800, it will create a normal screen. As shown in Figure 6-4.

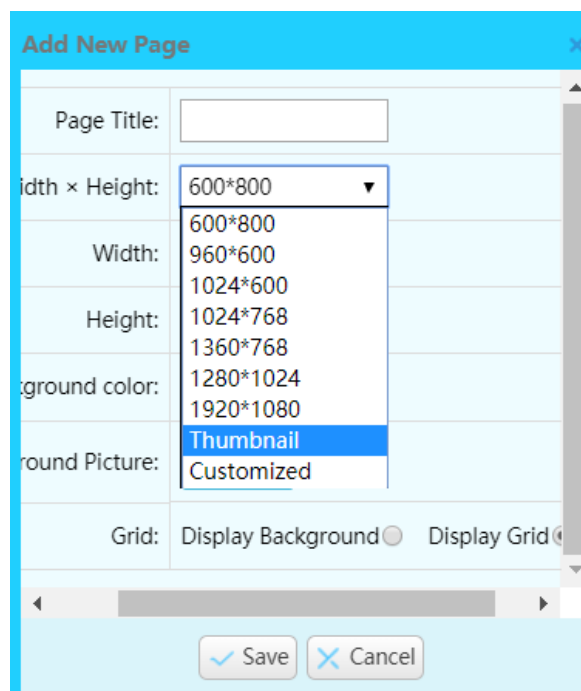


Figure 6-4

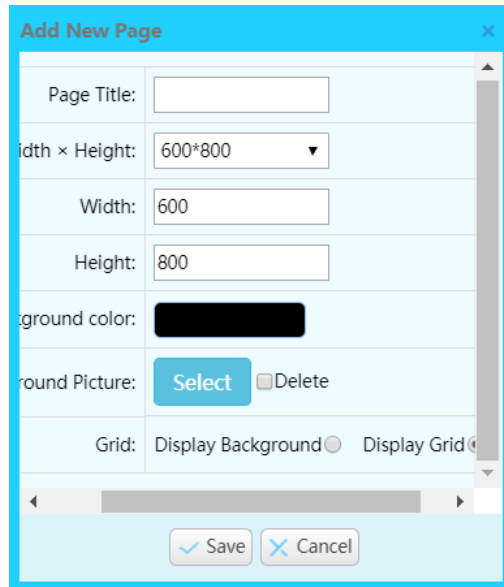




Figure 6-5


Note:

A project can either create no thumbnail pages or create up to one thumbnail page. When a thumbnail page is not created, the default picture will be displayed in the project list.


3) How to change a screen?

Select the page to be modified, click the button  in the page area or the button  **Page Attributes** in the toolbar, and modify the current page in the pop-up modification page pop-up box.

4) How to delete a screen?

Select the page to be deleted and click the button  in the page area to delete the current screen.

5) How to sort screens?

Select the normal screens to be sorted and click the button  in the page area to sort the current screens upwards or downwards. Thumbnail does not support sorting.

6.4 Device

1) What is a part

The screen is made up of parts. The part bar in Figure 6-2 lists all the basic parts and common parts provided by the platform. This manual only lists the special properties of the parts. For the basic properties of the components are not listed one by one. Such as position, style, lock, etc.

2) How to draw a part

Select and click the desired object in the objects bar, move the mouse to the canvas area of the screen, when the mouse pointer changes as + symbol, hold down the left mouse button to drag the desired size.

3) How to move a part

Click to select the part in the canvas, the positioning control point will appear around the part, hold down the left mouse button and drag the part to the desired position. As shown in Figure 6-6.

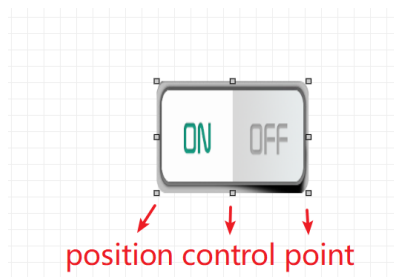


Figure 6-6

4) How to scale part

Click to select the part in the canvas, the positioning control point will appear around the part, and user can scale the part by dragging any positioning control point with the mouse. As shown in Figure 6-6.

5) How to change the part property

Click and select the part in the canvas and the positioning control point will appear around the part. At this time, all the property parameters of the part will be displayed in the property bar, and the corresponding parameter value can be modified. See Figure 6-7.

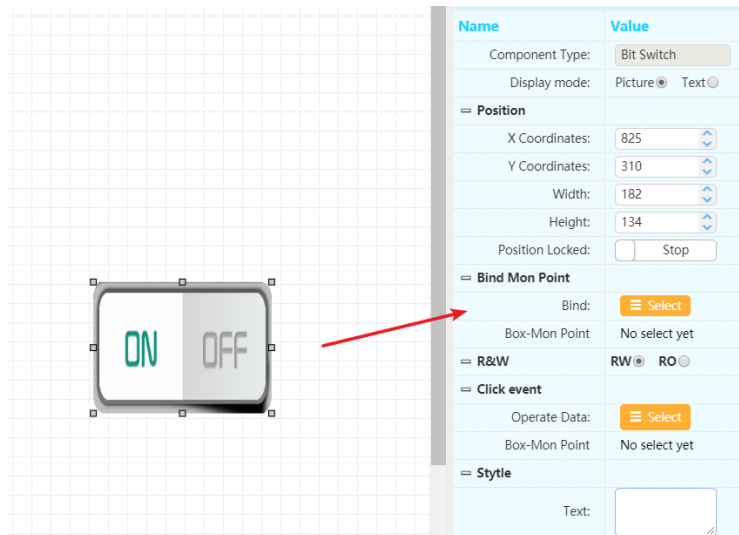


Fig. 6-7

6) Part: basic shape

Straight line

Just a common line, user can set different styles for it.

Rectangles

The part is used to display the rectangle; user can set the position, size, style, etc.

Circle

It is used for displaying a circular part; user can set the position, size, style, etc.

Ellipse

It is used for displaying the ellipse. User can set the position, size, style, etc.

Triangle

It is used for displaying the triangle. User can set the position, size, style, etc.

Text

A part is used for displaying text content. User can set text styles, background styles, etc. can be set. Also support multi-language text.

Property	Description
Multilanguage	multi-language supported, display the corresponding language according to the language setting of the page

Hide or display	Display: display text background Hidden: display the text only.
Rounded corner	rounded corner of the text background
Filled color	Filled color of the text background

Picture

For displaying the picture, support the user defined picture.

Property	Description
Gallery	Choose the picture from the gallery
Angle	Rotation angle (0~360)
Scale	Yes: the aspect ratio is fixed No: the aspect ratio is not fixed

7) Part: common parts

Digit display part

Property	Description
Bind monitoring point	After binding a monitoring point, the digit display part can obtain the real-time data sent by the monitoring point in real time and display the data
Hide or display	Display: display the background of the digit display part Hide: hide the background of the digit display part
Background border	The default background style of the digit display part
Permission	Read and write: the digit display part can be read and written. Read-only: The digit display part is read only
Multi state	Display different styles of digit display part background according to the value, Click the + button to define multiple conditions.

Bit lamp

Display different states according to the bit value.

Property	Description
Bind bit address	

Gallery	Choose the picture for bit indicator
Rotation angle	Rotation angle (0~360)
Scale	Yes: the aspect ratio is fixed No: the aspect ratio is not fixed
Multi state	Display different states according to different conditions. Click the + button to define multiple conditions.

Word lamp

Display different states according to the word value.

Property	Description
Bind word address	
Gallery	Choose the picture for word lamp
Rotation angle	Rotation angle (0~360)
Scale	Yes: the aspect ratio is fixed No: the aspect ratio is not fixed
Multi state	Display different states according to different conditions. Click the + button to define multiple conditions.

Bit switch

Control the state of a bit address.

Property	Description
Choose the monitoring point	Choose the address to be controlled
Display mode	Image: The part is displayed as a picture Text: The part is displayed as text
Permission	Read and write: the part can be read and written. Read-only: The part is read only
Event	
Picture	Set the picture when the word switch part is displayed as a picture

Word switch

Control the value of a word address.

Property	Description
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Choose the monitoring point	Choose the address to be controlled
Display mode	Image: The part is displayed as a picture Text: The part is displayed as text
Permission	Read and write: the part can be read and written. Read-only: The part is read only
Event	Bind monitoring point, operate the value of the point
Set value	The operation for data(addition, subtraction, constant)
Value	The set value when operating the word switch
Picture	Set the picture when the word switch part is displayed as a picture

Dashboard

Display the value of the bound monitoring point in real time using the dashboard.

Property	Description
Choose the point	Bind the address to be monitored
Start value	The min value of the dashboard
End value	The max value of the dashboard
Text	The type of dashboard
Multi state	Defines the trigger condition for the monitoring point variable bound to the dashboard. When the condition is met, the dashboard style under that condition is displayed. Click on the + button to define multiple conditions.
Font size of variable	Font size of variable in dashboard
Font weight of variable	Font weight of variable in dashboard
Dashboard color	The default color of dashboard
Pointer color	The default color of pointer

Bar graph

Use the length or height of the rectangle to reflect the value of the variable so that the value of the variable can be visualized.

Property	Description
Part type	Horizontal bar graph: reflects the value of the variable by the length of the rectangle

	Longitudinal bar graph: reflects the value of the variable by the height of the rectangle
Choose point	Set the address to be monitored
X-axis length	The time interval before the current time. 1 minute ago, 5 minutes ago, 15 minutes ago, 30 minutes ago and 1 hour ago are optional.
Y-axis range	Fixed: set the upper limit of the Y axis and the lower limit of the Y axis to a fixed value Adaptive: In the set time axis, the upper limit of the Y axis is 120% of the max value of the variable The lower limit of the Y axis is 80% of the min value of the variable
Y-axis lower limit	the min value of the Y-axis when the Y-axis range is fixed
Y-axis upper limit	the max value of the Y-axis when the Y-axis range is fixed


Curve

Use the curve to show the trend of the data over time. X-axis is time, Y-axis is variable.

Property	Description
Choose point	Set the address to be monitored
X-axis length	The time interval before the current time. 1 minute ago, 5 minutes ago, 15 minutes ago, 30 minutes ago and 1 hour ago are optional.
Y-axis range	Fixed: set the upper limit of the Y axis and the lower limit of the Y axis to a fixed value Adaptive: In the set time axis, the upper limit of the Y axis is 120% of the max value of the variable The lower limit of the Y axis is 80% of the min value of the variable
Y-axis lower limit	the min value of the Y-axis when the Y-axis range is fixed
Y-axis upper limit	the max value of the Y-axis when the Y-axis range is fixed

Flow bar

The flow effect of the color block is used to reflect the state of the bound monitoring point variable when it meets the condition and does not meet the condition. Select the starting point or end point of the flow bar, hold the left mouse button to rotate the flow bar.

Property	Description
Choose point	Bind the address
Speed	Slow, medium and fast
Direction	Forward, backward
	Preview the speed and direction of the flow bar
Trigger condition	When the condition is met, it will trigger the flow bar action
Color	Block color
Width	Block width
Block length	Color block length
Block gap	Color block gap
Hide border	Hide or display the border
Border color	Define the border color

Tips for designing flow bar

When user need to simulate the flow of water in a pipe, user can put the pipe picture at first, then hide the flow bar and place it onto the pipe picture.

Video object

This is a video player. It can play the video file provided in the video source. This part does not support the Z-axis sorting feature on the browse page. Its Z-axis display on the browse page will be placed on top of all parts.

Hyperlink

The part that has the hyperlink function will be displayed as text or picture.

Property	Description
Display mode	Image: The hyperlink part will be displayed as picture Text: Hyperlink part will be displayed as text
Open mode	When clicking the hyperlink part, open the link address in a new window or this window
Link address	The address that opens when the hyperlink component is clicked.
Hide	When the hyperlink is displayed as text, Display: Set the background of the hyperlink text, and the background is a rectangle. Hide: Set hyperlink text without background, only text.
Gallery	When display mode is picture, select an image for the hyperlink. If no picture is selected, then display the

	default picture.
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Page Jump

This part is used to switch between different screens. Page jump part can display as text or picture.

Property	Description
Display mode	Choose to display as text or picture
Select screen	Select the screen No.
Hide	When the page jump display mode is text Display: Set the text background and the background is a rectangle. Hide: Set the text to have no background and only display the text.
Gallery	Choose a picture for the part when display mode is picture. If no picture is selected, it will display the default picture.

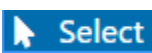
Time














It is used for displaying the time of the V-BOX, when the V-BOX is offline, the time will stay at the time when it is offline.

Property	Description
Bind box	Bind a box for the time part
Time format	Choose the time format
Hide	Display: Set the background of the time part, and the background is a rectangle. Hide: Set the time without background, only show time.

6.5 tool bar

The toolbar has the same function as the tool list. (right-click on the canvas to pop up tool list)

Tool	Description
	Mouse tool for selecting parts. Hold Ctrl key and click on the part to select multiple parts at the same time.

 Save	Save current canvas
 Delete	Delete the selected parts. Multiple selected parts can be deleted at the same time.
 Copy	Copy the selected parts.
 Paste	Paste the selected parts
 Page Attributes	The property of the current screen
 Import Template	Import the configured template for the current screen
 Browse	Browse the current project interface. The default home page is the top screen in the project page list.
 Left Alignment	Align left edge of multiple parts
 Right Alignment	Align right edge of multiple parts
 Up Alignment	Align top edge of multiple parts
 Lower Alignment	Align bottom edge of multiple parts
 Place At Top	Place the selected part on top of the other parts
 Place At Bottom	Place the selected part on the bottom of the other parts

7. Authority management

Click the Authority management on the left menu to enter the Authority management module, as Figure 7-1 shows.

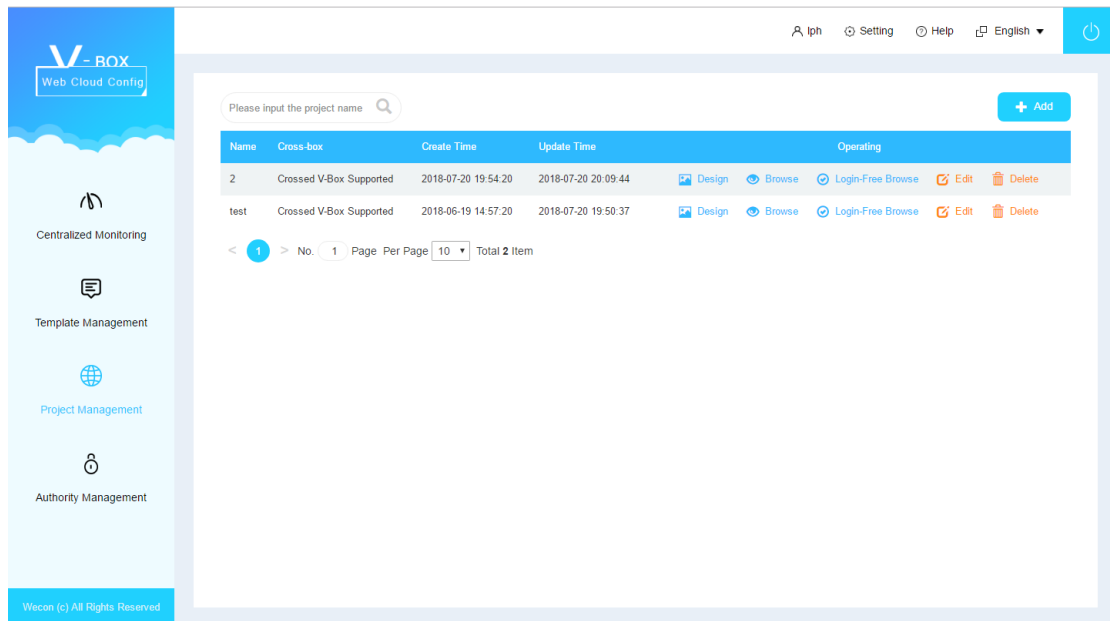


Figure 7-1

This module is used for assigning project and configuring permissions for sub-accounts.

1) How to assign project for sub-account

- Click the button at the end of the sub-account line to enter the project list page of the sub-account, as shown in Figure 7-2.
- Click the button on the top right corner of window, select the project of the pop window and then click save to get the permissions of the selected project for the account, as shown in Figure 7-3.

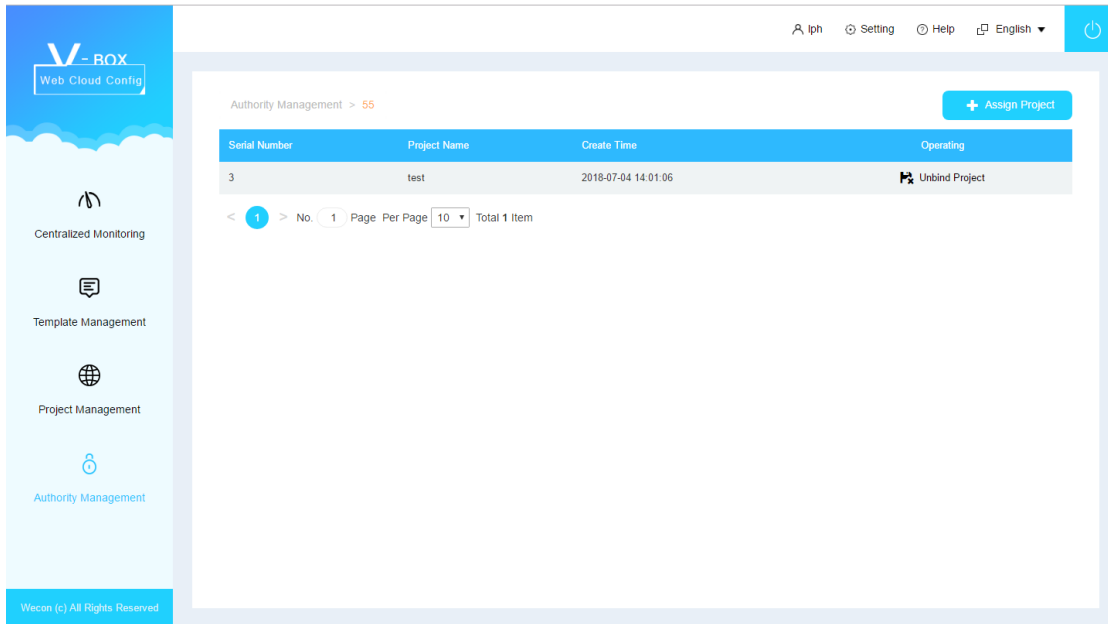


Figure 7-2

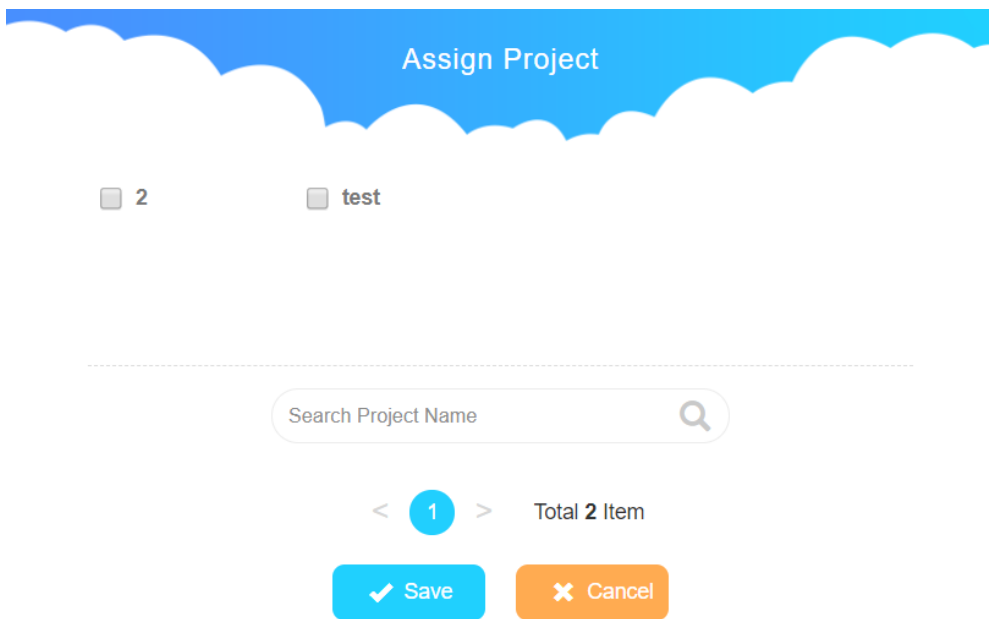


Figure 7-3

2) How to unassigned project for sub-account

In the list of assigned projects in the sub-account, click “Unbind Project” to unbind the project for the account.

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