



User Manual

WISE-PaaS/RMM 3.1

Wireless IoT Sensing Embedded
Remote Monitoring and Management
RMM-Server User Manual

ADVANTECH

Enabling an Intelligent Planet

Change Log:

Date	Version	Description / Major change
2015/07/18	V0.1	Rison Yeh, create draft document
2015/07/19	V1.0	Dylan Chang, add RMM Client setting UI
2015/09/16	V1.1	Ashley Yang, add Mobile UI
2015/12/17	V1.2	Ken Tsai, add Dashboard UI
2015/12/22	V1.3	Rison Yeh, review and revise format
2016/1/29	V1.4	Lillian, unify font to Calibri and change page bg back to none
2016/2/3	V1.5	Rison, add appendix for server edition table

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1. Software Installation

1.1. Windows Server Installation

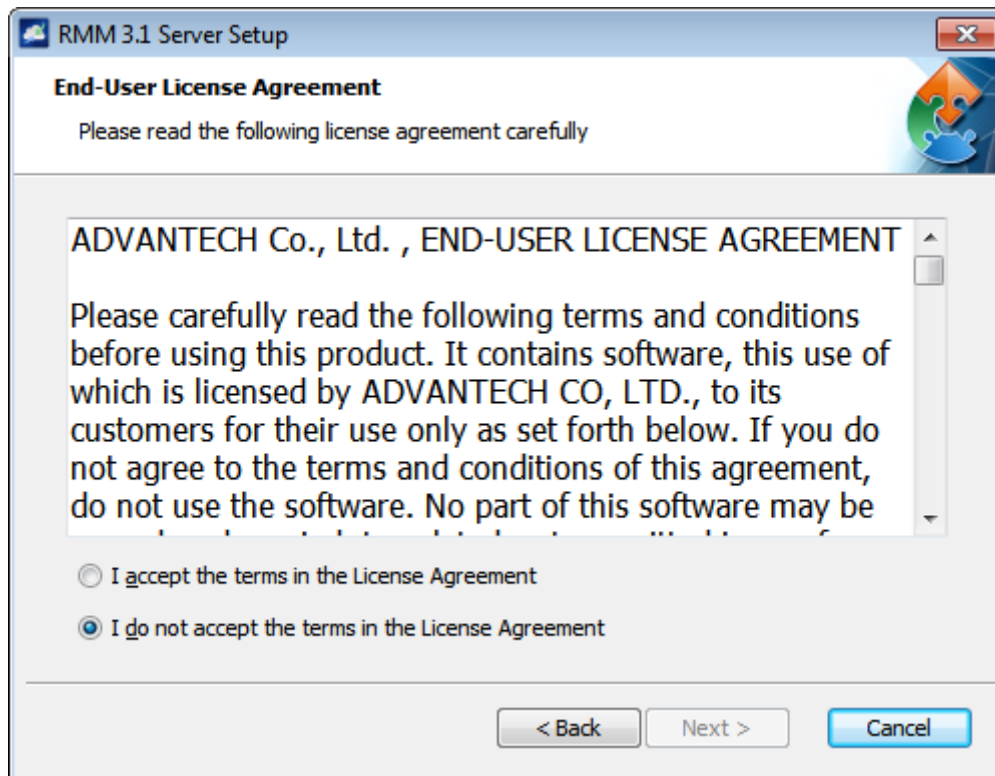
2.1.1. Installation

Double click “**RMM 3.1ServerSetup.exe**” to execute the installation program of RMM 3.1 Server.

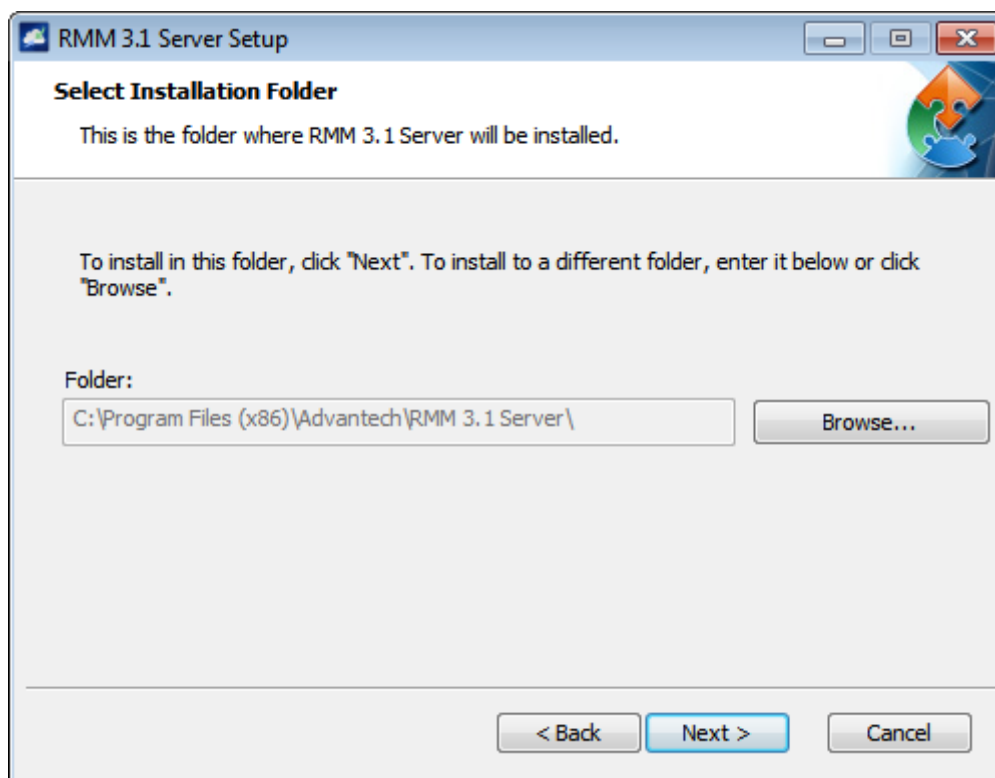
- **Start Program**



- **Check End User License Agreement**

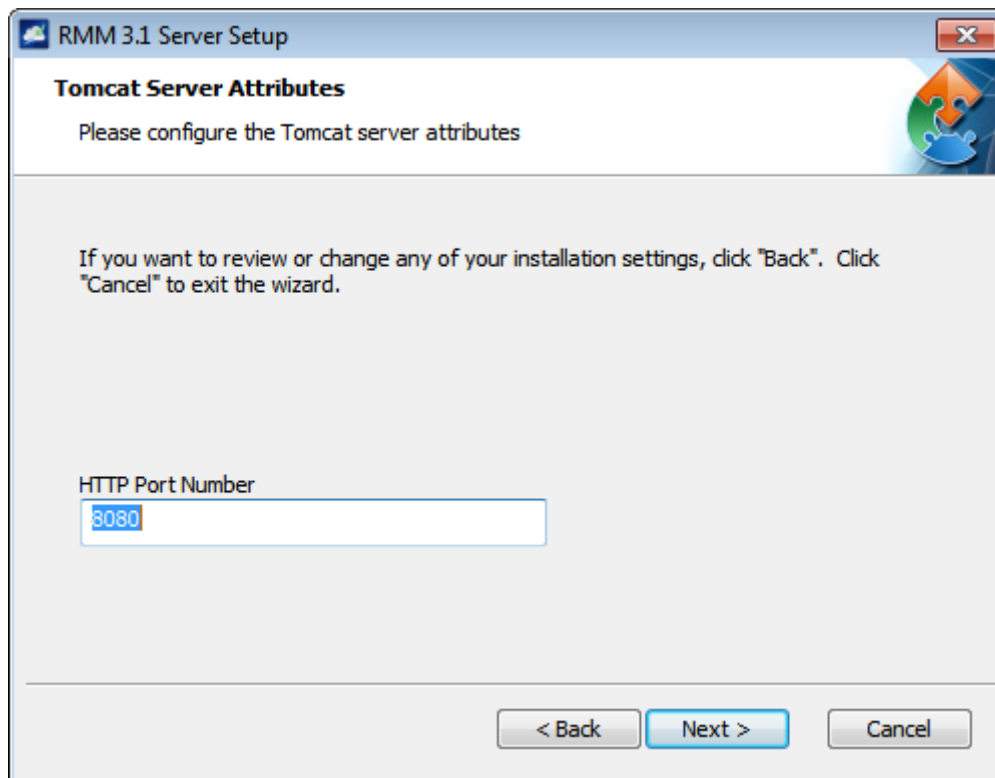


- **Choose Installation Folder**



- **Tomcat Server Attributes**

Set the "HTTP Port Number" of Tomcat



RMM 3.1 Server Setup

Tomcat Server Attributes

Please configure the Tomcat server attributes

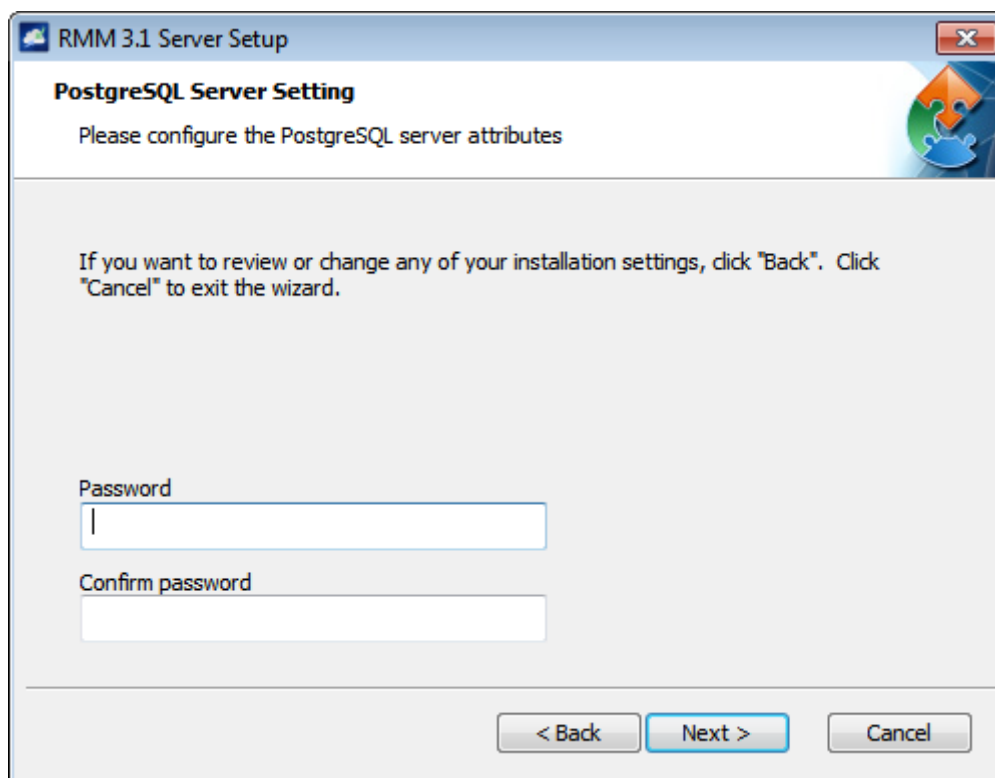
If you want to review or change any of your installation settings, click "Back". Click "Cancel" to exit the wizard.

HTTP Port Number

< Back Next > Cancel

- **PostgreSQL Server Setting**

Set access password for Server Database (PostgreSQL)



RMM 3.1 Server Setup

PostgreSQL Server Setting

Please configure the PostgreSQL server attributes

If you want to review or change any of your installation settings, click "Back". Click "Cancel" to exit the wizard.

Password

Confirm password

< Back Next > Cancel

- **MongoDB Server Setting**

Set maximum cache size and access password for Server Database (MongoDB)

The screenshot shows a window titled "RMM 3.1 Server Setup" with a sub-header "MongoDB Server Setting". The main text says "Please configure the MongoDB server attributes". Below this, there is a paragraph: "If you want to review or change any of your installation settings, click 'Back'. Click 'Cancel' to exit the wizard." There are three input fields: "Maximum cache size (GB) (1 ~ 3)" with the value "3", "Password" (empty), and "Confirm password" (empty). At the bottom right, there are three buttons: "< Back", "Next >", and "Cancel".

RMM 3.1 Server Setup

MongoDB Server Setting

Please configure the MongoDB server attributes

If you want to review or change any of your installation settings, click "Back". Click "Cancel" to exit the wizard.

Maximum cache size (GB) (1 ~ 3)

3

Password

Confirm password

< Back Next > Cancel

- **MQTT SSL Setting**

Enable or disable SSL for MQTT

The screenshot shows a window titled "RMM 3.1 Server Setup" with a sub-header "MQTT SSL Setting". The main text says "Please choose whether you want to open MQTT SSL or not". Below this, there is a question: "Which option do you want?". There are two radio button options: "Disable SSL for MQTT" (selected) and "Enable SSL for MQTT". At the bottom right, there are three buttons: "< Back", "Next >", and "Cancel".

RMM 3.1 Server Setup

MQTT SSL Setting

Please choose whether you want to open MQTT SSL or not

Which option do you want?

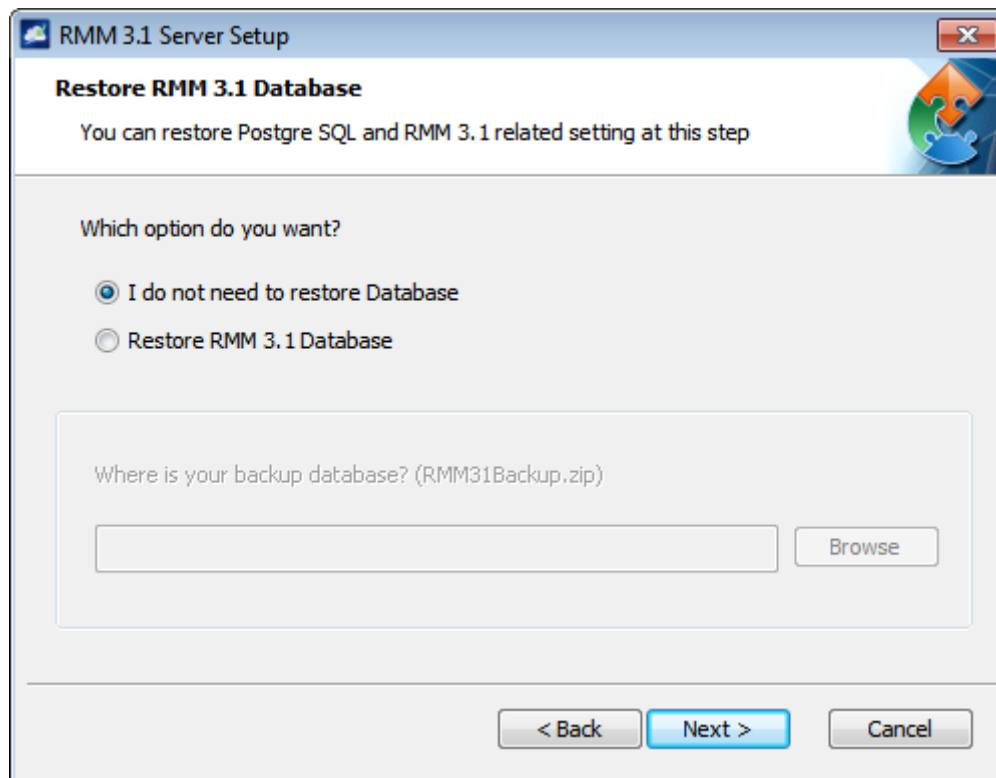
☒ Disable SSL for MQTT

☐ Enable SSL for MQTT

< Back Next > Cancel

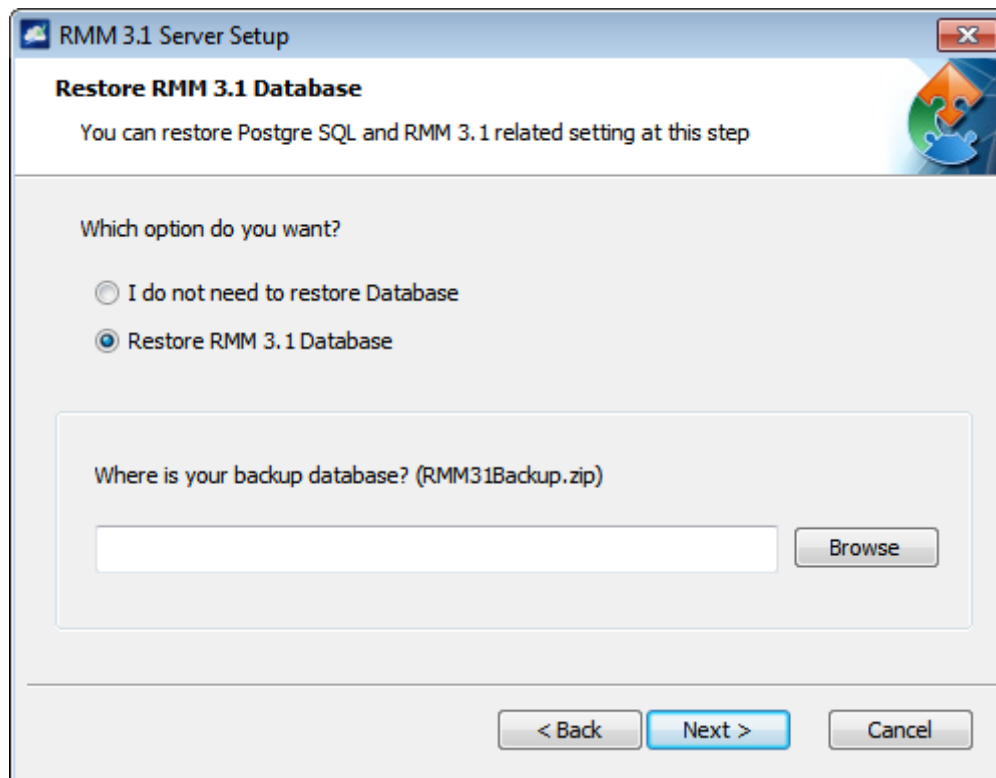
- **A. Do not Restore RMM Database for PostgreSQL**

- Create a new database.



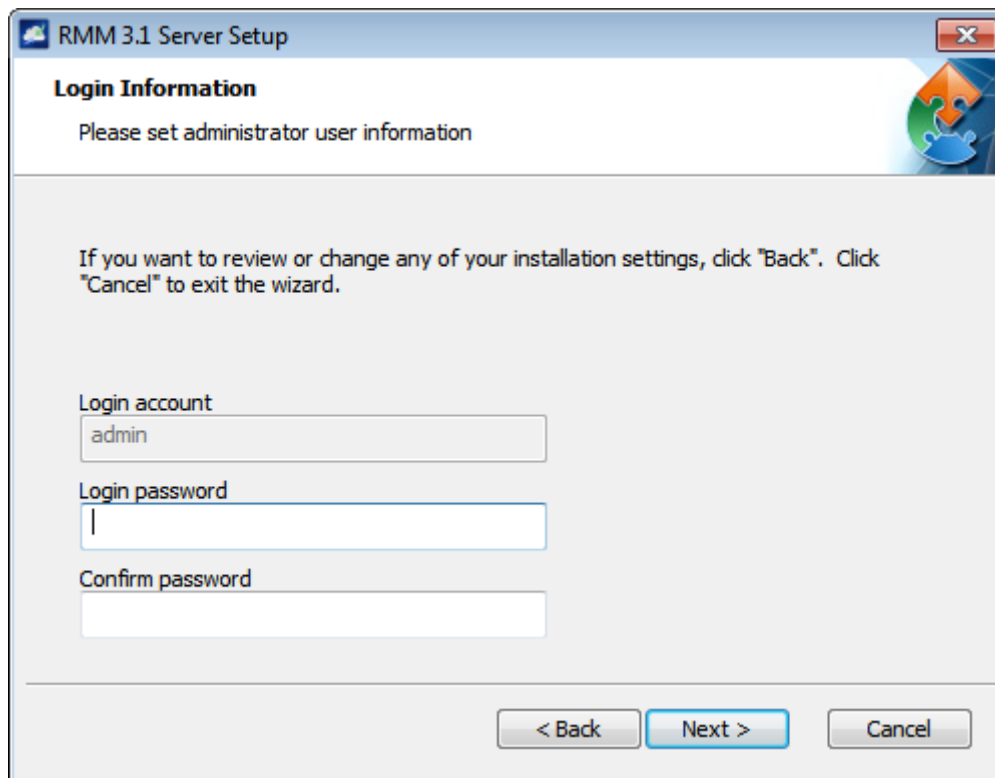
- **B. Restore RMM Database for PostgreSQL**

- Restore to an old backup database.



- **Login Information**

Set the password for the initial System Administrator (First Login)



The screenshot shows the 'RMM 3.1 Server Setup' window with the 'Login Information' tab selected. The window title bar includes a close button. The main content area has a header with the title and a sub-header 'Please set administrator user information'. Below this is a paragraph of instructions: 'If you want to review or change any of your installation settings, click "Back". Click "Cancel" to exit the wizard.' There are three input fields: 'Login account' with the text 'admin', 'Login password' which is empty, and 'Confirm password' which is also empty. At the bottom right, there are three buttons: '< Back', 'Next >', and 'Cancel'.

RMM 3.1 Server Setup

Login Information

Please set administrator user information

If you want to review or change any of your installation settings, click "Back". Click "Cancel" to exit the wizard.

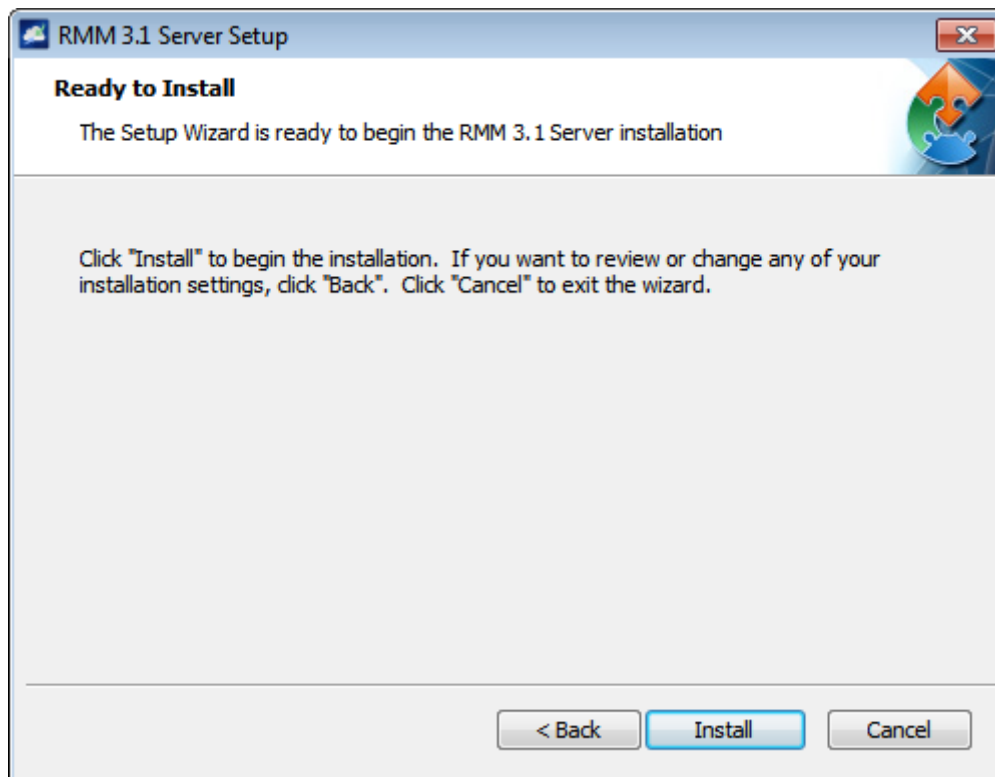
Login account
admin

Login password
|

Confirm password

< Back Next > Cancel

- **Start Installing.**



The screenshot shows the 'RMM 3.1 Server Setup' window with the 'Ready to Install' tab selected. The window title bar includes a close button. The main content area has a header with the title and a sub-header 'The Setup Wizard is ready to begin the RMM 3.1 Server installation'. Below this is a paragraph of instructions: 'Click "Install" to begin the installation. If you want to review or change any of your installation settings, click "Back". Click "Cancel" to exit the wizard.' At the bottom right, there are three buttons: '< Back', 'Install', and 'Cancel'.

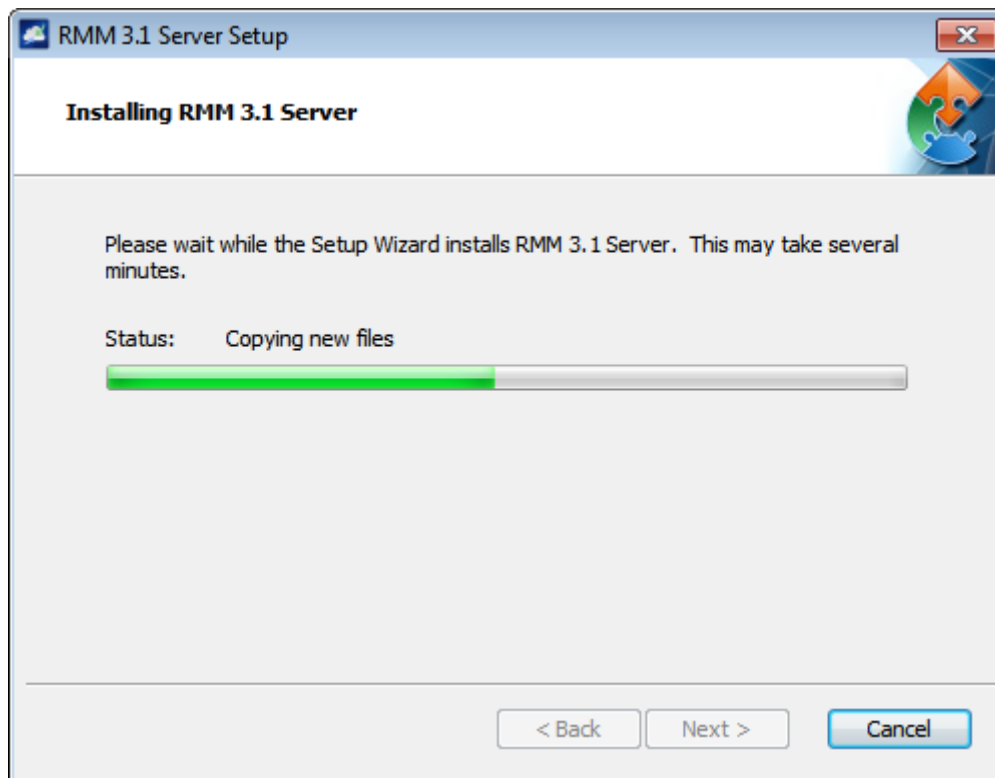
RMM 3.1 Server Setup

Ready to Install

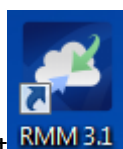
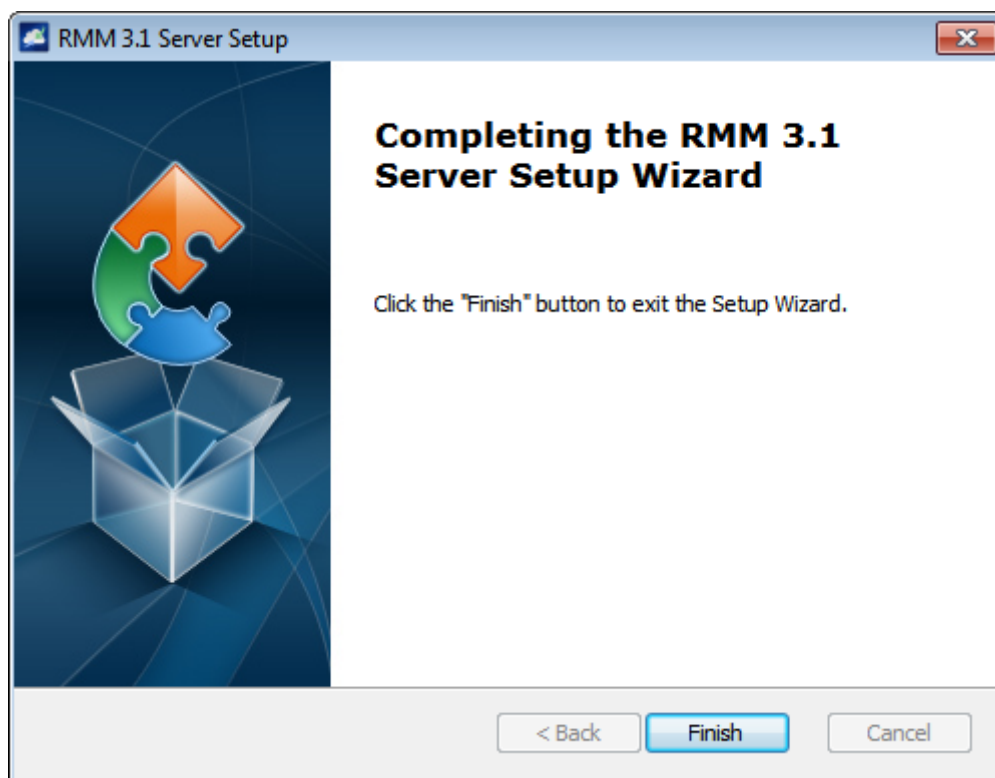
The Setup Wizard is ready to begin the RMM 3.1 Server installation

Click "Install" to begin the installation. If you want to review or change any of your installation settings, click "Back". Click "Cancel" to exit the wizard.

< Back Install Cancel



- **Installation Completed.**

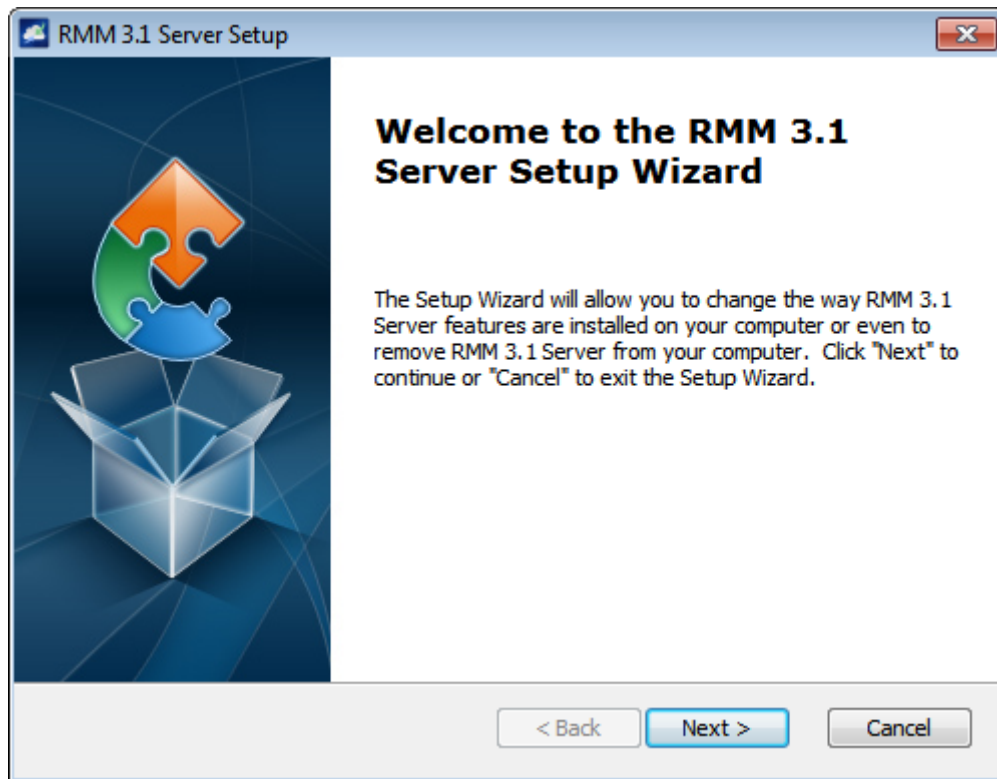


Double click the "RMM 3.1" shortcut to start up the RMM Client (Browser link).

2.1.2. Uninstallation

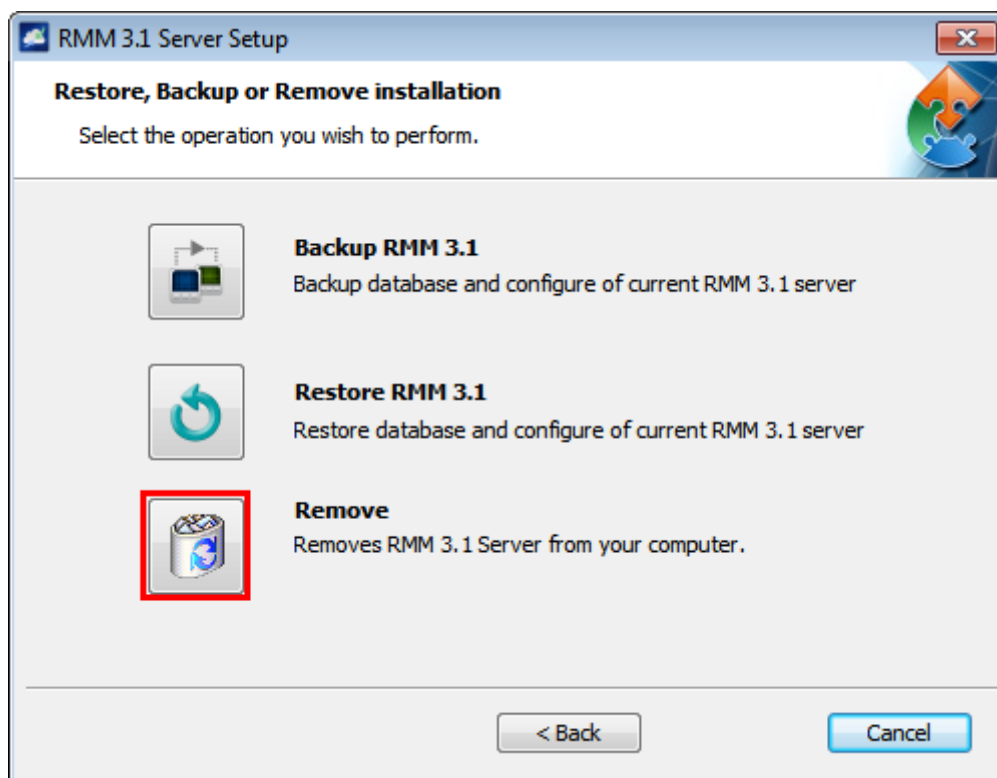
Double click “RMM 3.1ServerSetup.exe” to execute the installation program of RMM 3.1 Server.

- **Start Program**

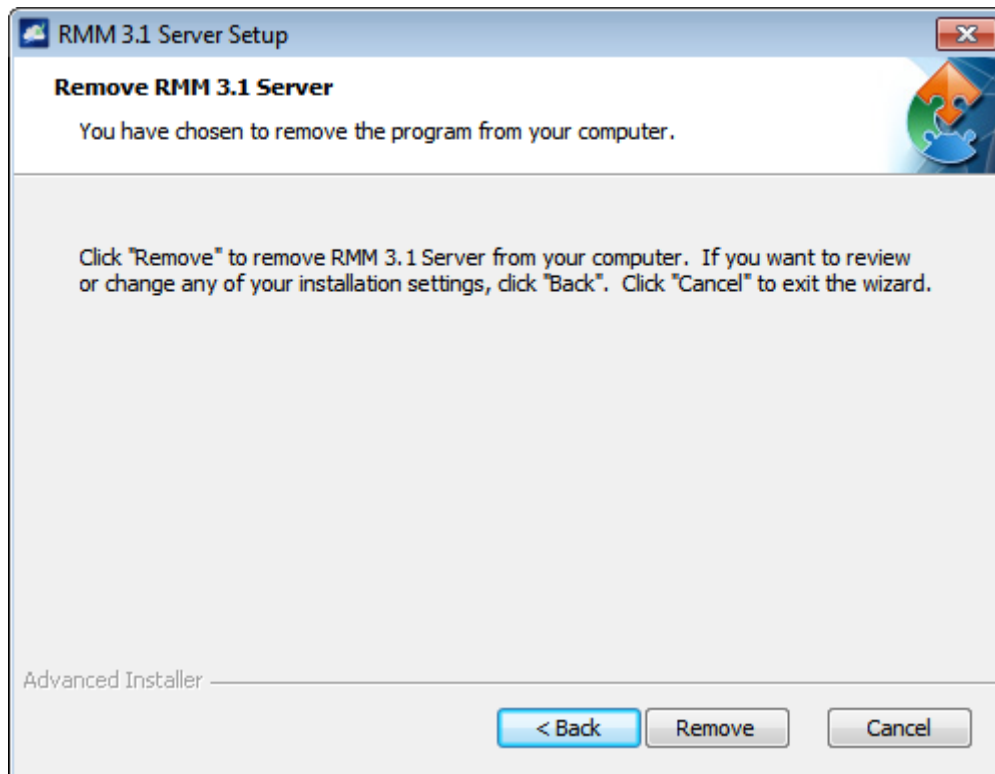


- **Choose Setup Type**

Click “Remove” to uninstall RMM System

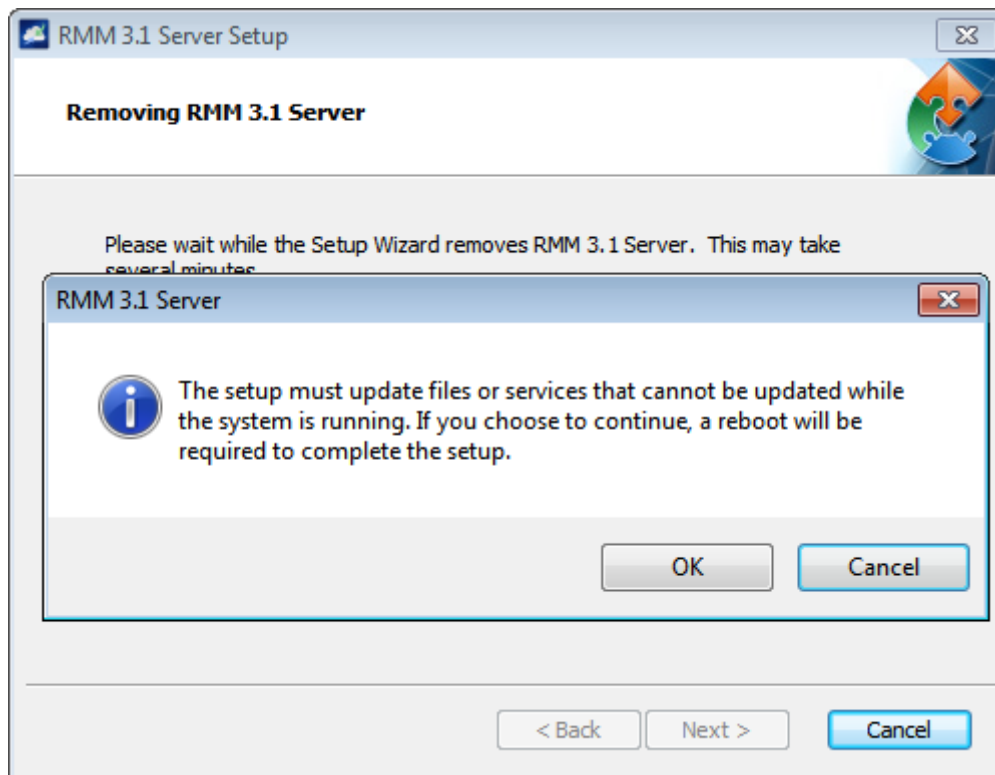


- **Confirm Uninstalling**

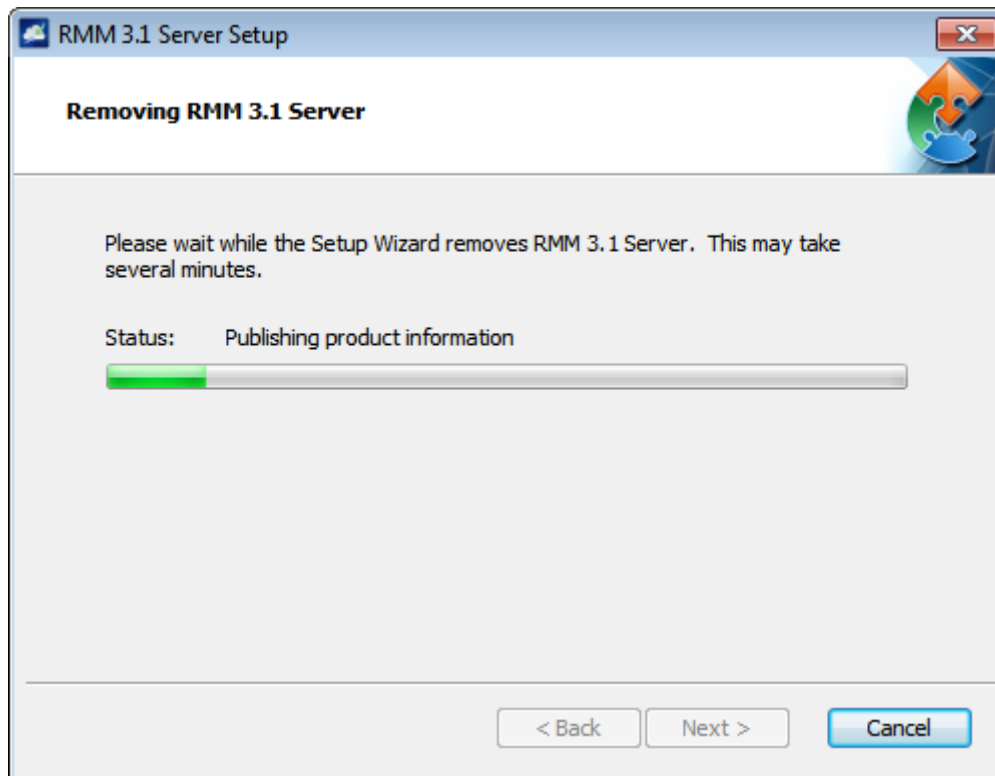


- **Confirm stop and remove running services**

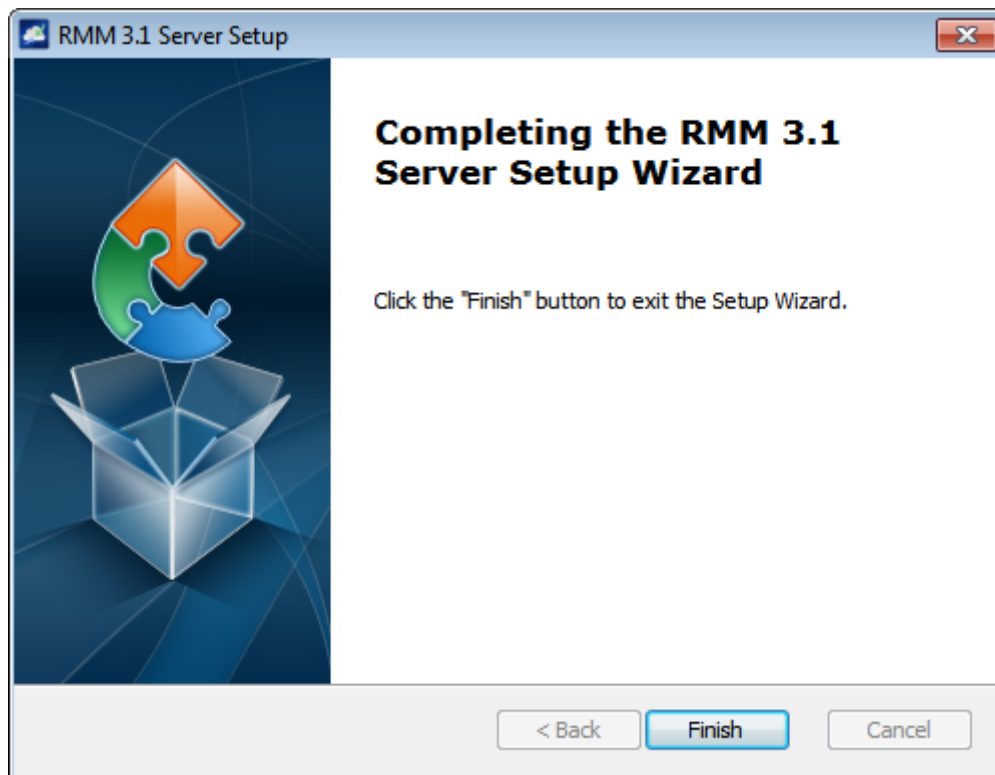
Click "OK" to confirm stop and remove running services



- Start to uninstalling RMM 3.1 server



- Uninstallation Completed.



2.1.3. System Backup

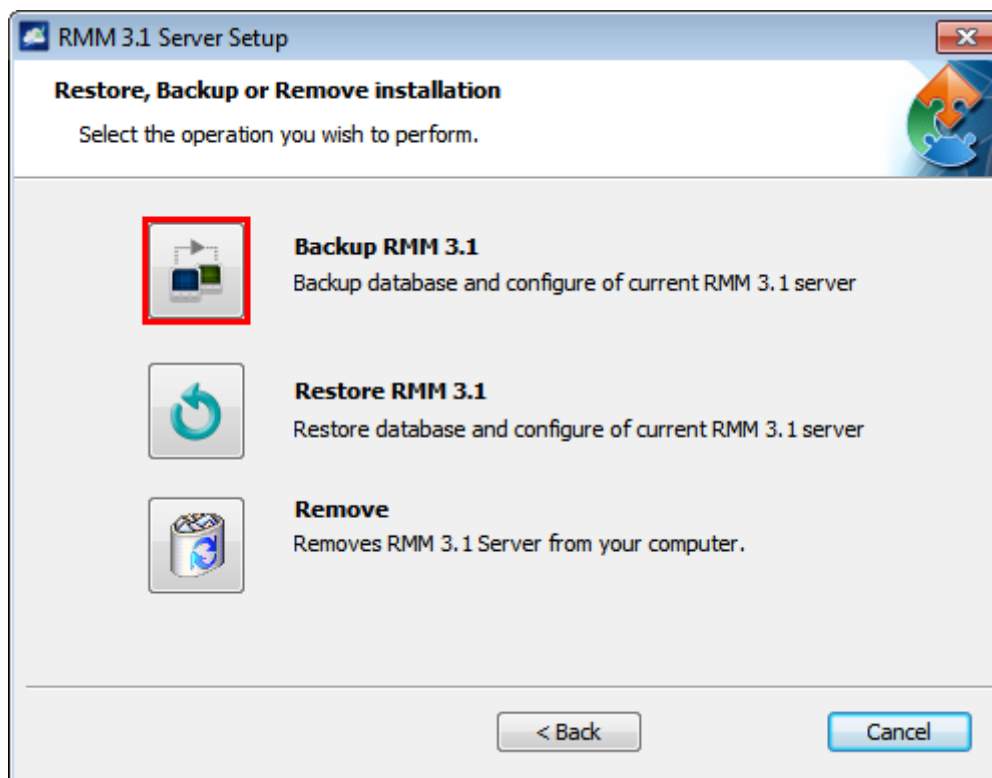
Double click “RMM 3.1ServerSetup.exe” to execute installation program of RMM 3.1 Server.

- **Start Program**



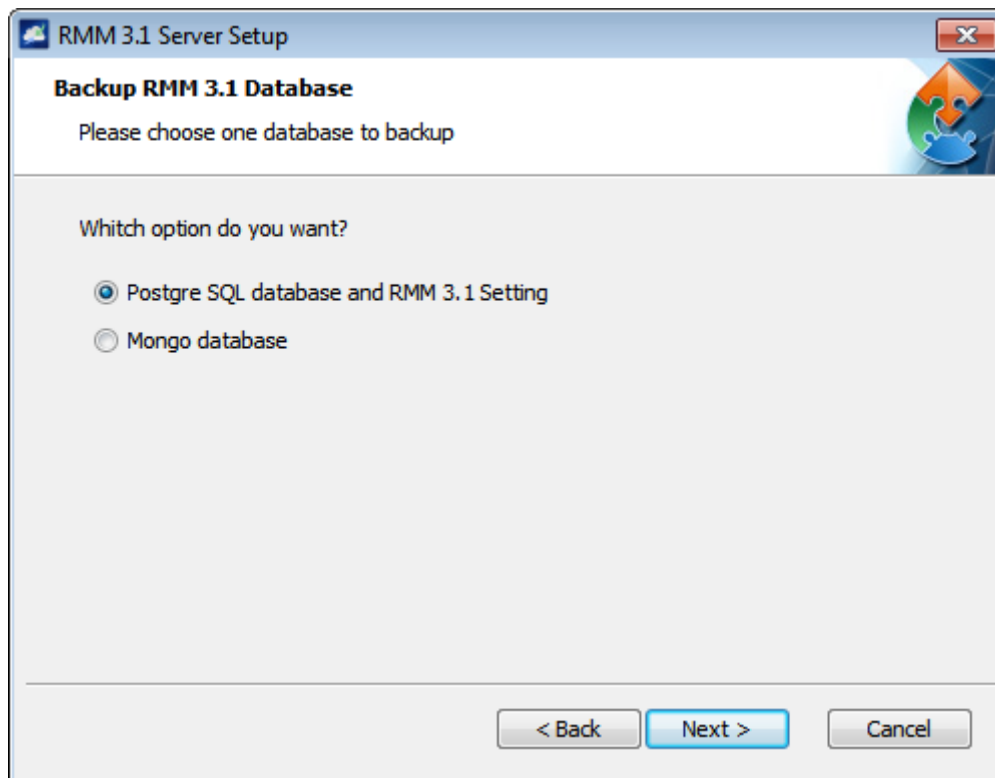
- **Choose Setup Type**

Click “Backup RMM 3.1” to backup system database and configuration



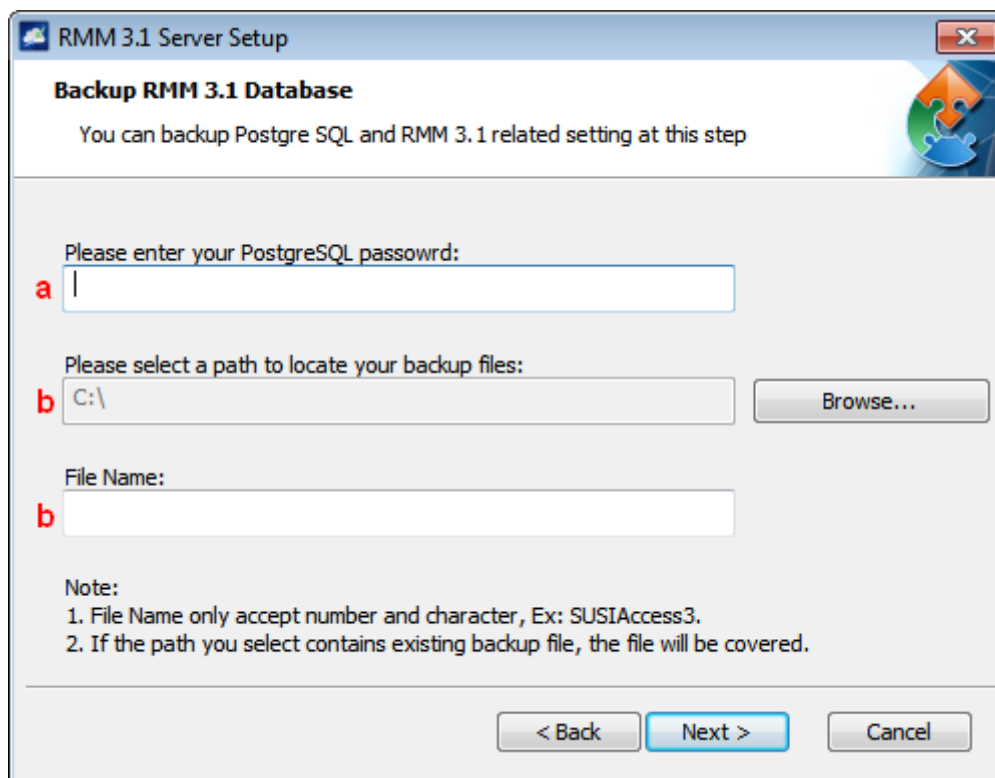
- **Choose database**

.1 Select “Postgre SQL database and RMM Setting”

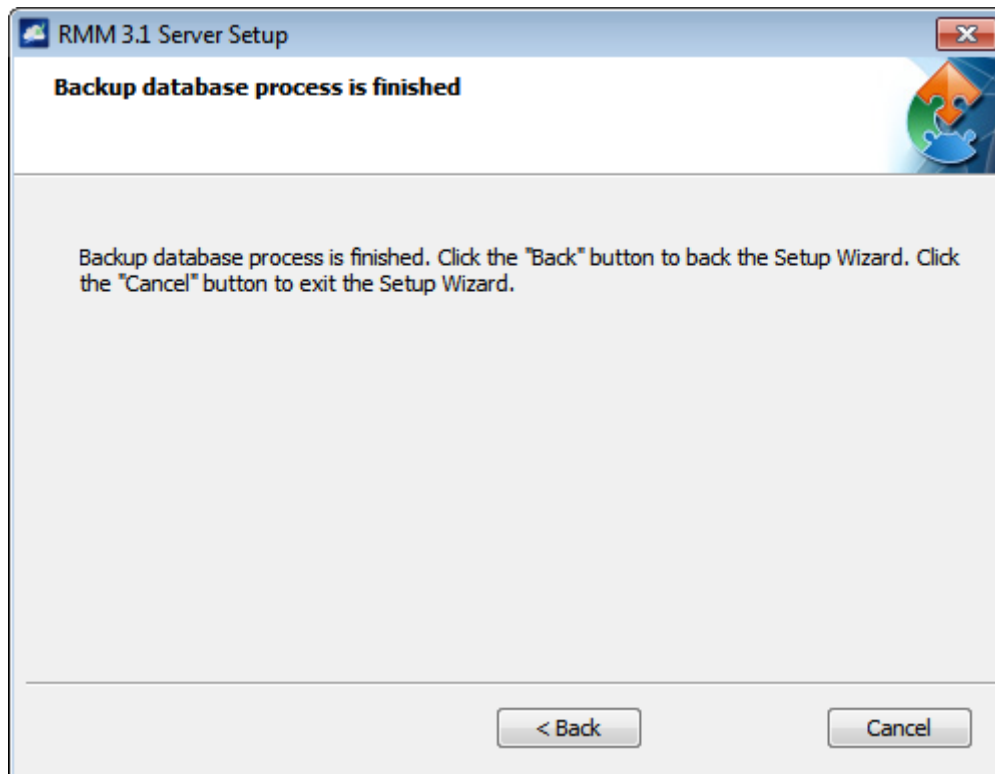


.1.1 Backup Database and Configuration

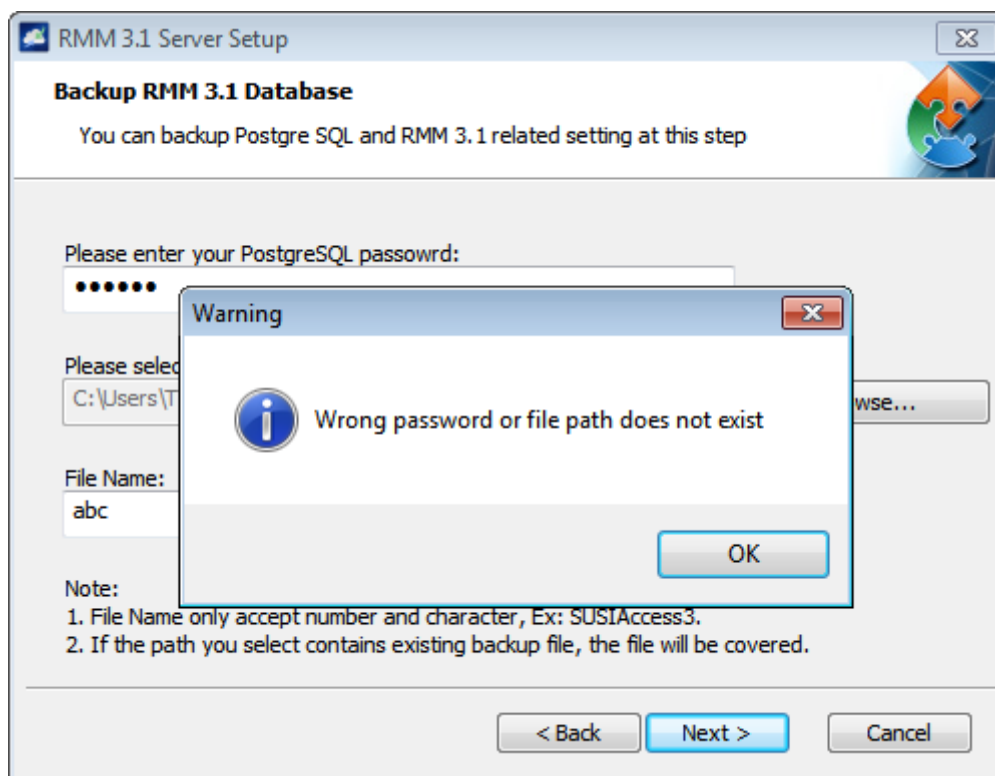
- a. PostgreSQL password
- b. The path where you want to put backup files and file name

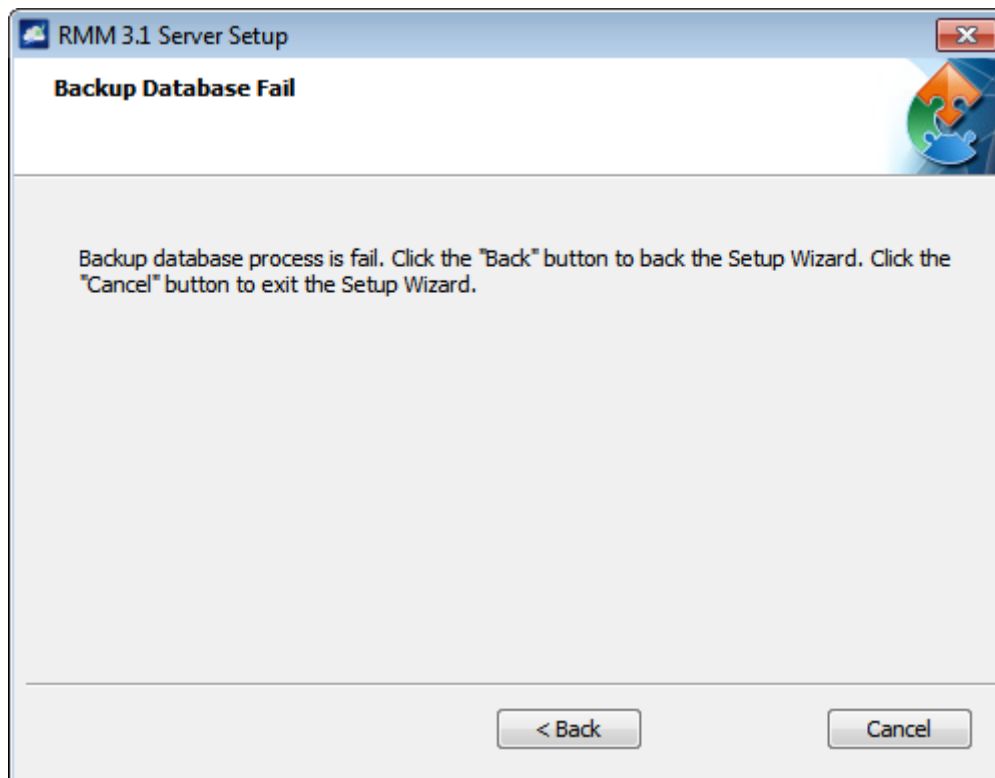


.1.2 Backup successful

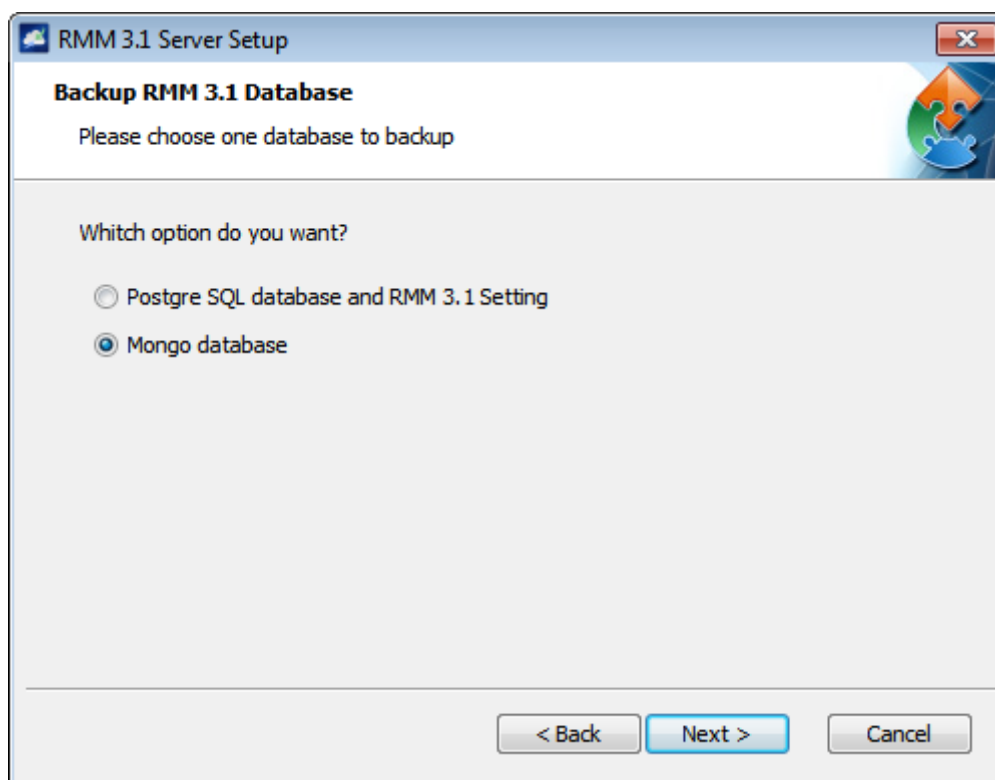


.1.3 Backup fail



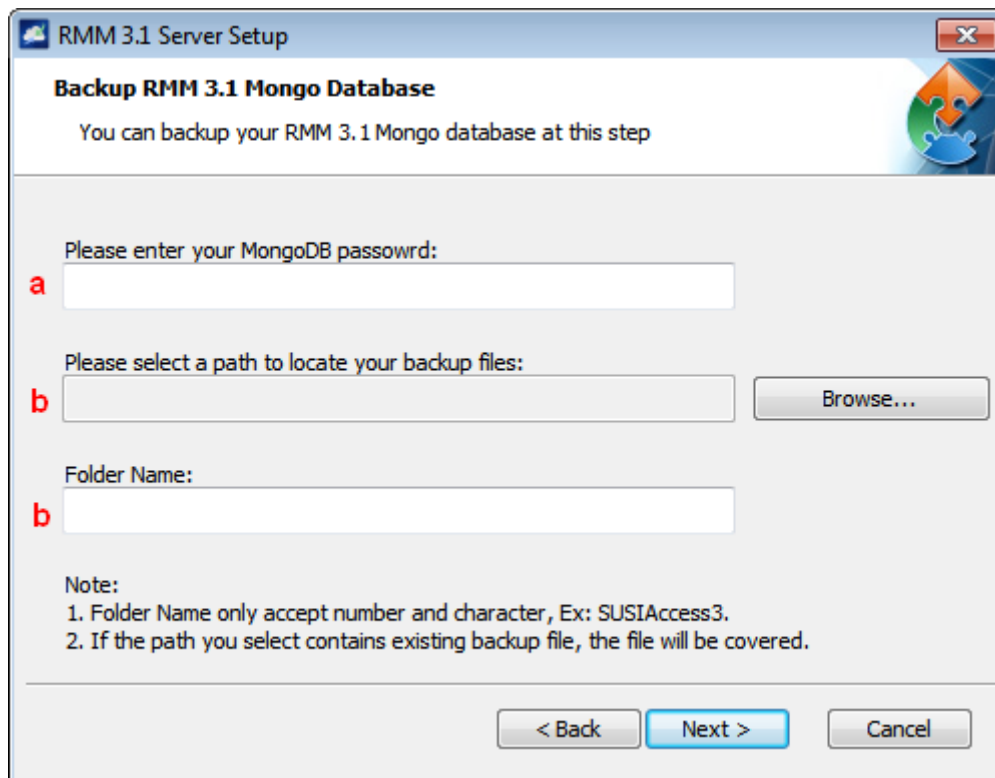


.2 Select "Mongo database"



.2.1 Backup Database and Configuration

- a. MongoDB password
- b. The path where you want to put backup files and file name



RMM 3.1 Server Setup

Backup RMM 3.1 Mongo Database

You can backup your RMM 3.1 Mongo database at this step

Please enter your MongoDB password:

a

Please select a path to locate your backup files:

b

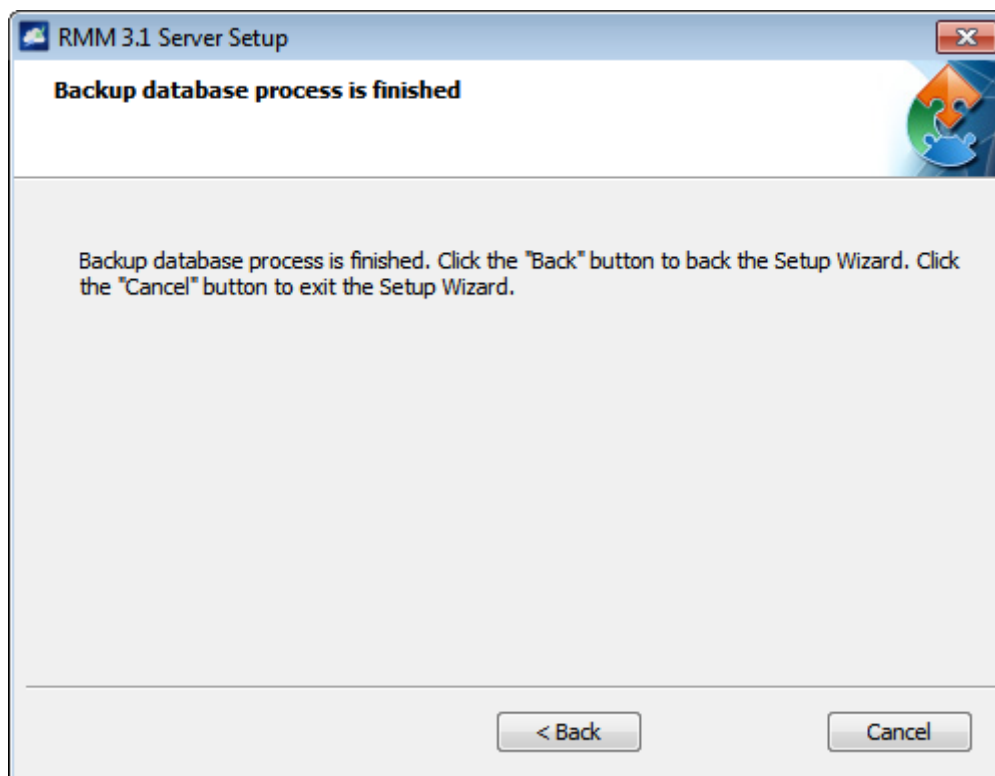
Folder Name:

b

Note:

1. Folder Name only accept number and character, Ex: SUSIAccess3.
2. If the path you select contains existing backup file, the file will be covered.

.2.2 Backup successful

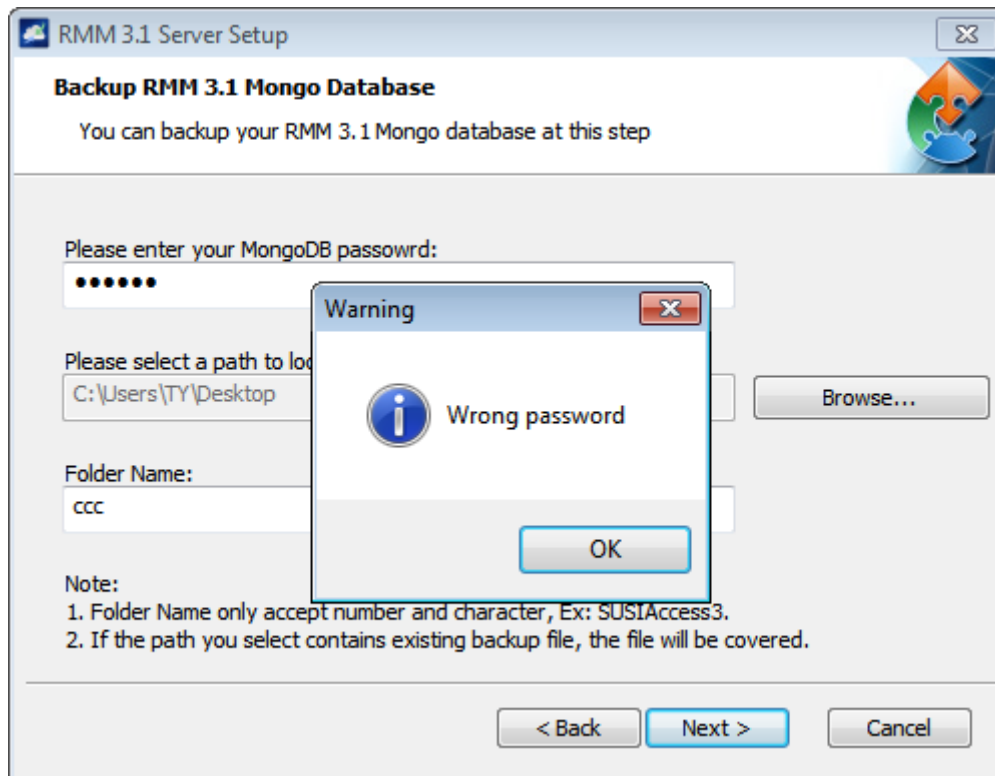


RMM 3.1 Server Setup

Backup database process is finished

Backup database process is finished. Click the "Back" button to back the Setup Wizard. Click the "Cancel" button to exit the Setup Wizard.

.2.3 Backup fail



2.1.4. System Restore

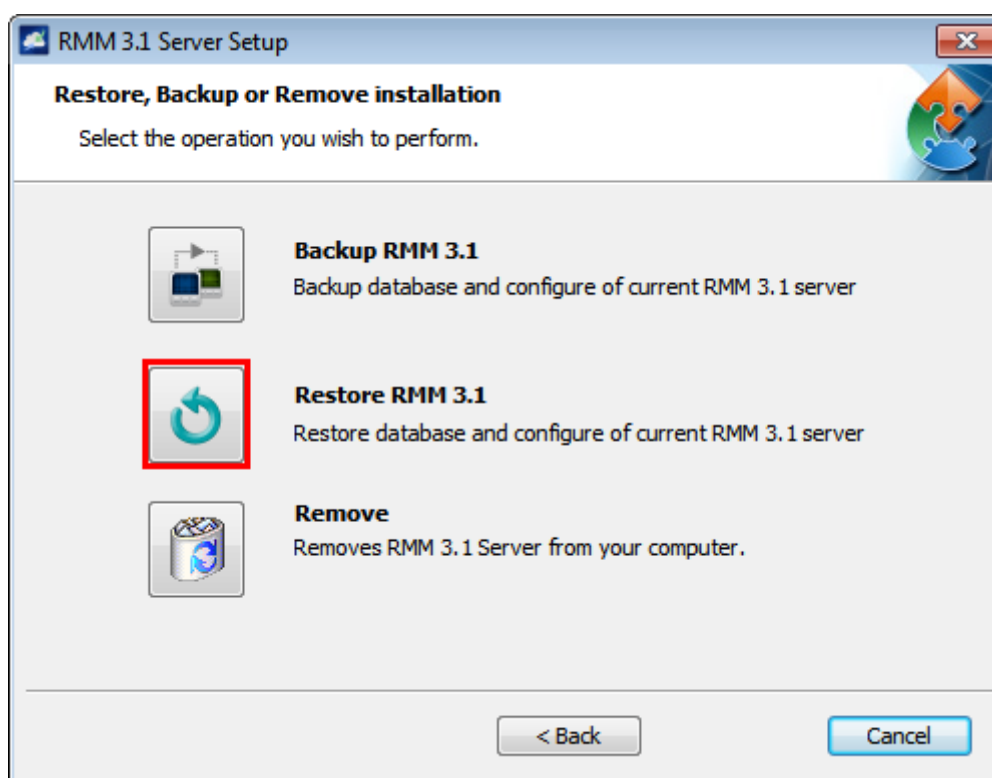
Double click “RMM 3.1 ServerSetup.exe” to execute the installation program of RMM 3.1 Server.

- **Start Program**



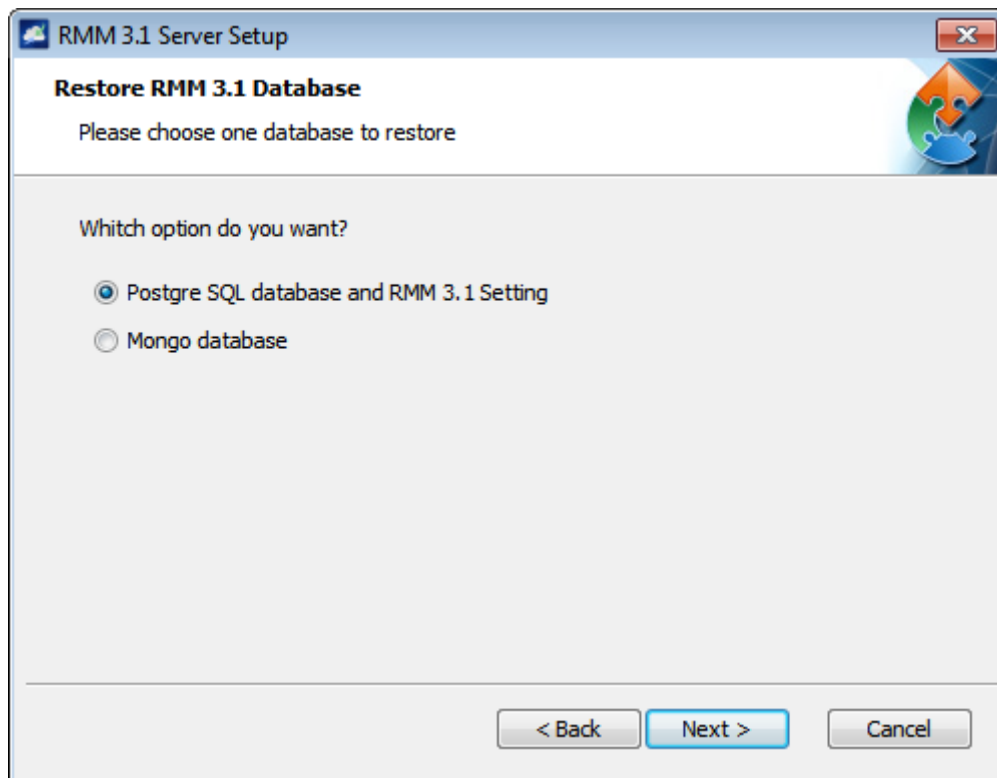
- **Choose Setup Type**

Click “Restore RMM 3.1” to restore system database and configuration



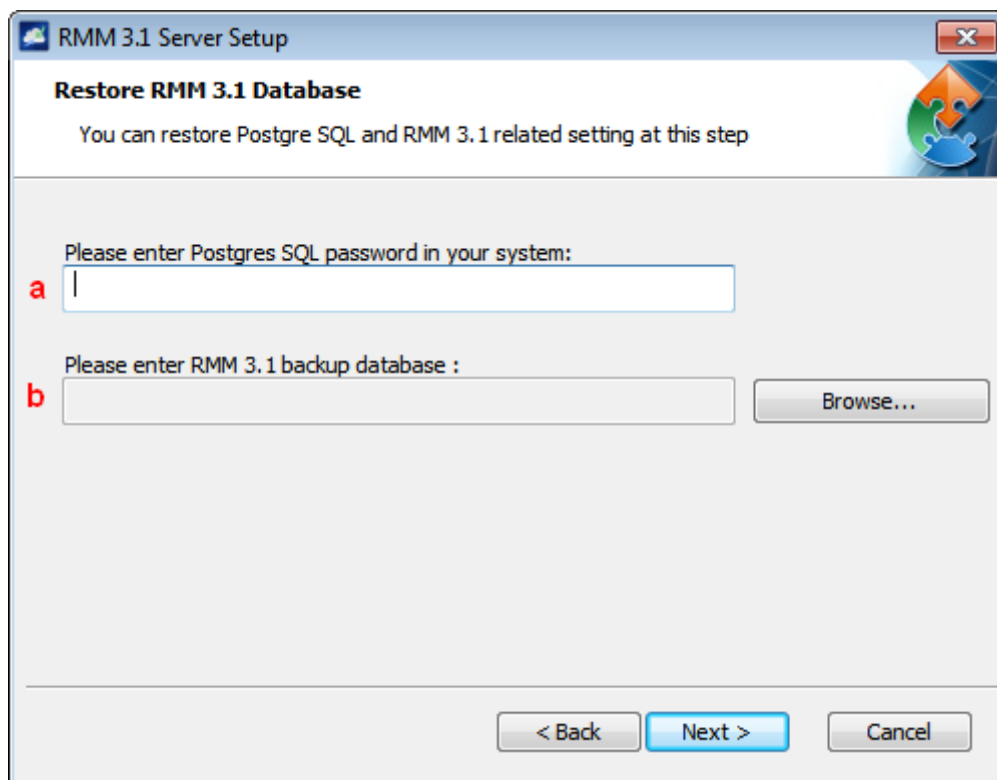
- **Choose database**

- .1 Select “Postgre SQL database and RMM Setting”

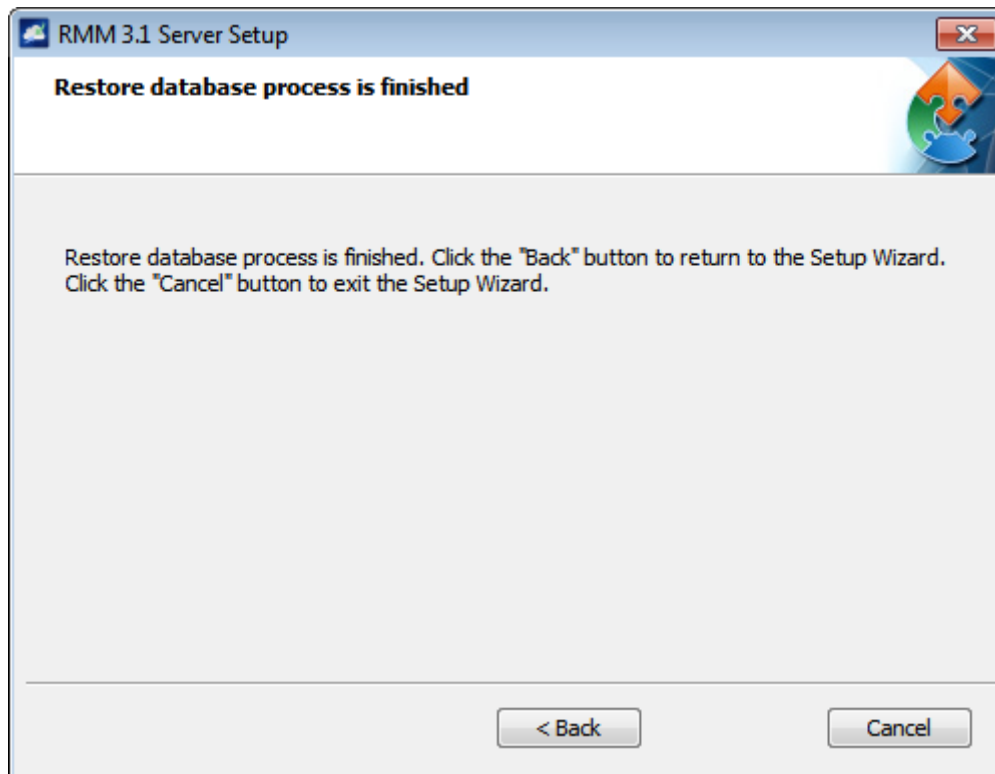


- .1.1 **Restore Database and Configuration**

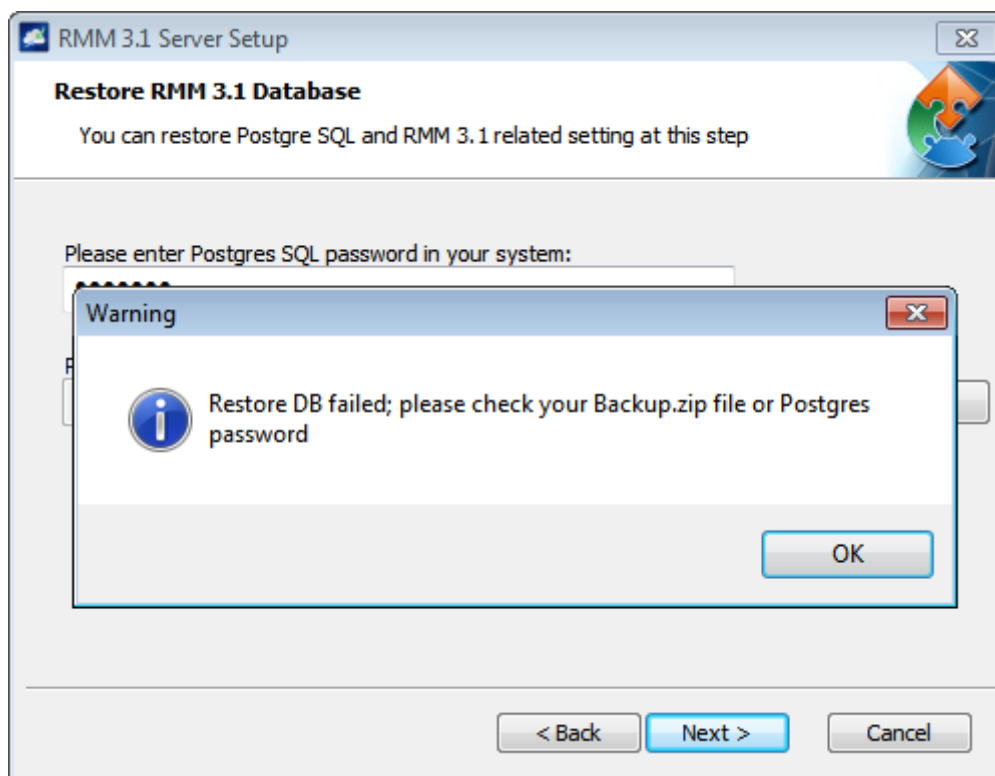
- a. PostgreSQL password
 - b. The path where you want to put backup files

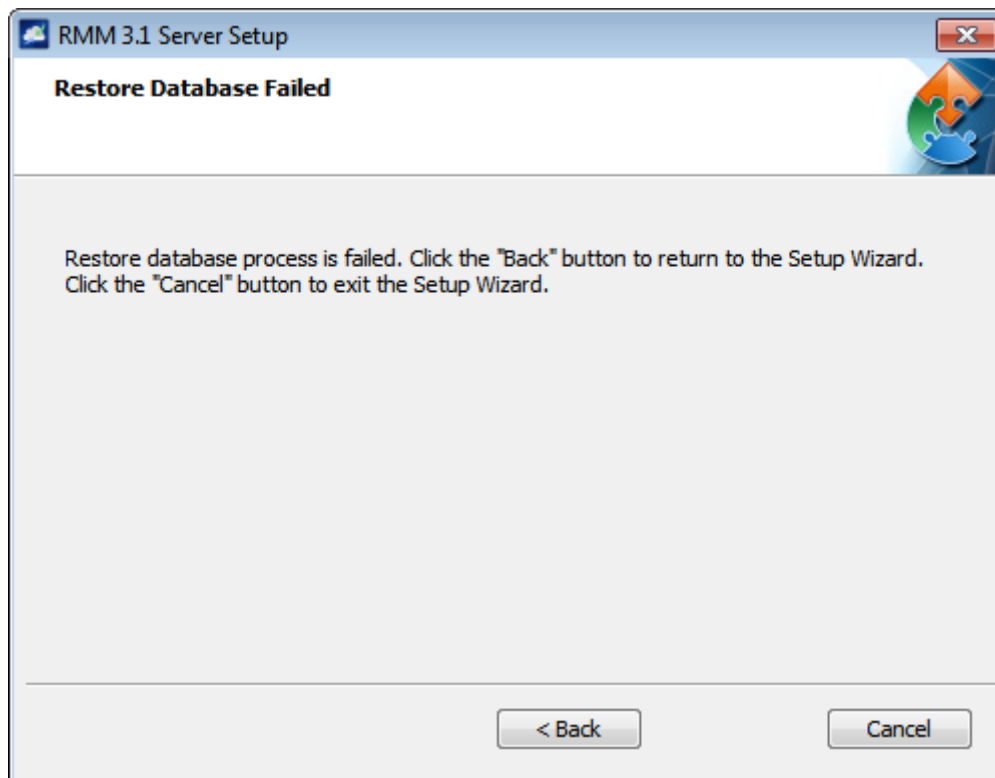


.1.2 Restore successful

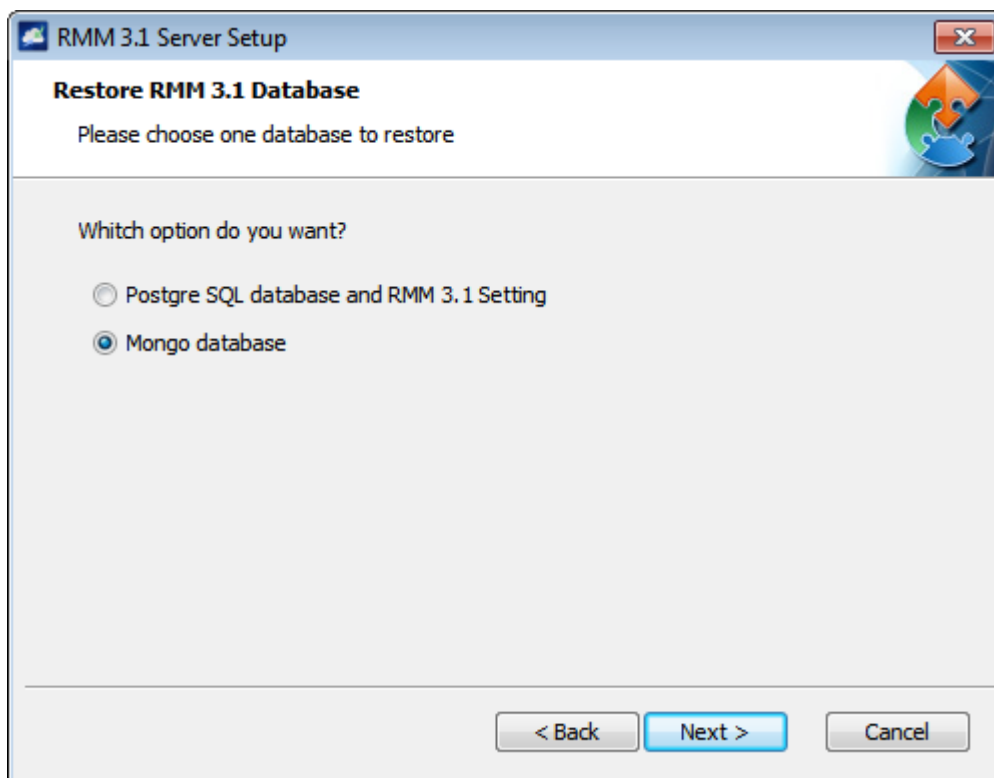


.1.3 Restore fail



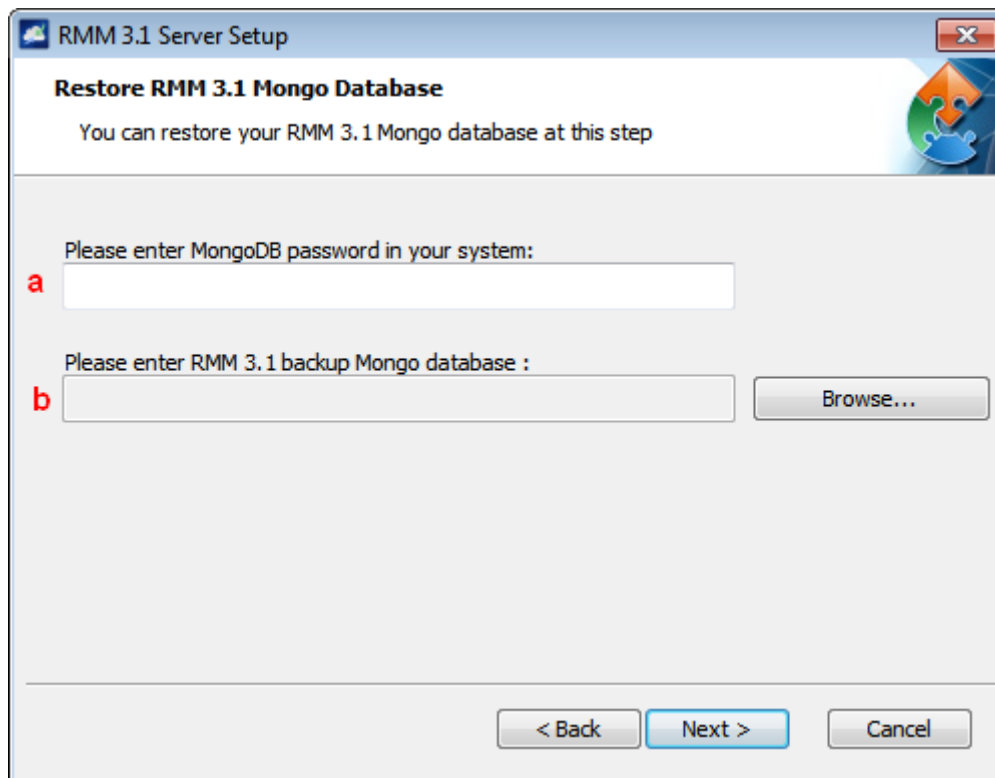


.2 Select "Mongo database"



.2.1 Restore Database and Configuration

- a. MongoDB password
- b. The folder where you want to restore



RMM 3.1 Server Setup

Restore RMM 3.1 Mongo Database

You can restore your RMM 3.1 Mongo database at this step

Please enter MongoDB password in your system:

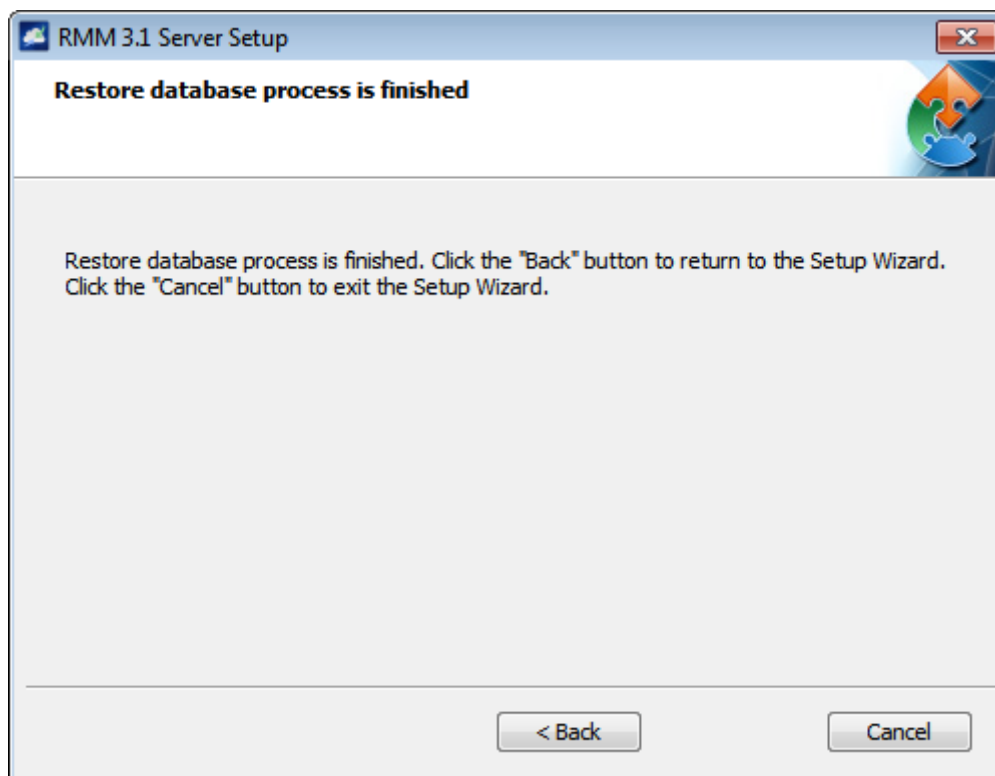
a

Please enter RMM 3.1 backup Mongo database :

b

< Back Next > Cancel

.2.2 Restore successful



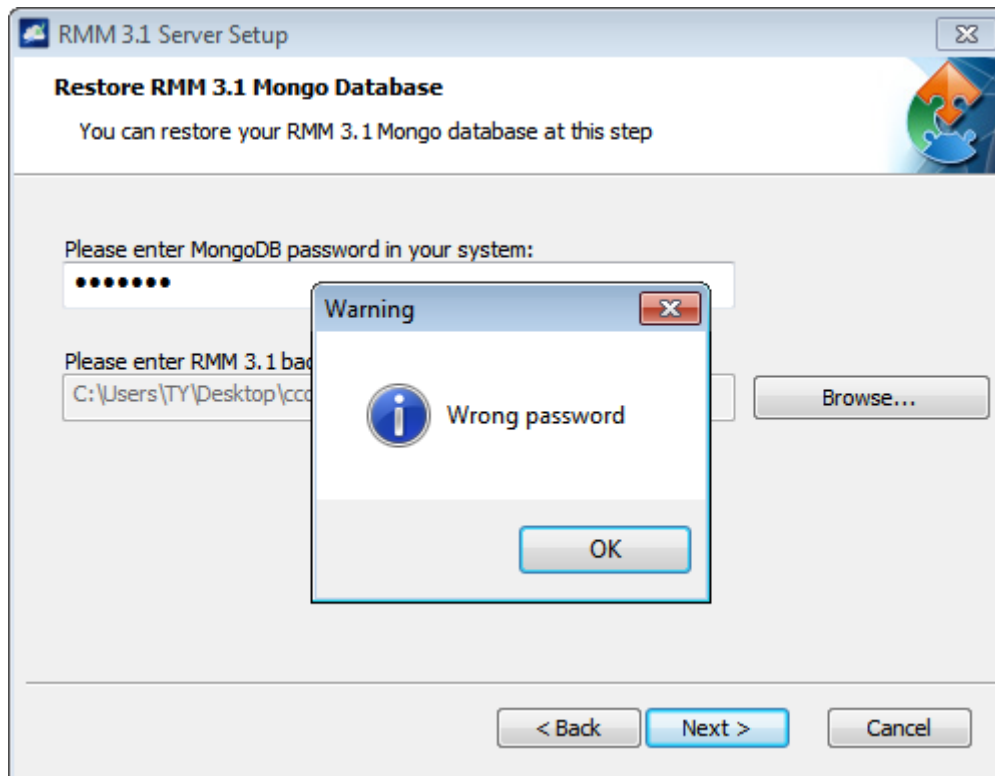
RMM 3.1 Server Setup

Restore database process is finished

Restore database process is finished. Click the "Back" button to return to the Setup Wizard.
Click the "Cancel" button to exit the Setup Wizard.

< Back Cancel

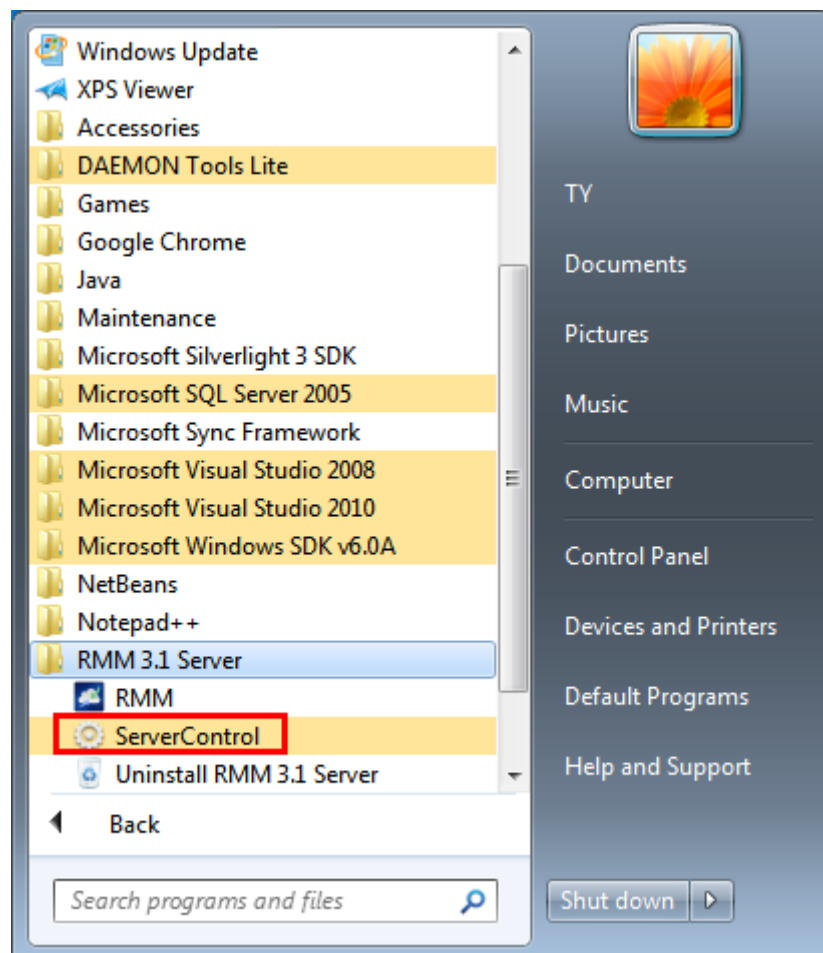
.2.3 Restore fail



2. RMM Server

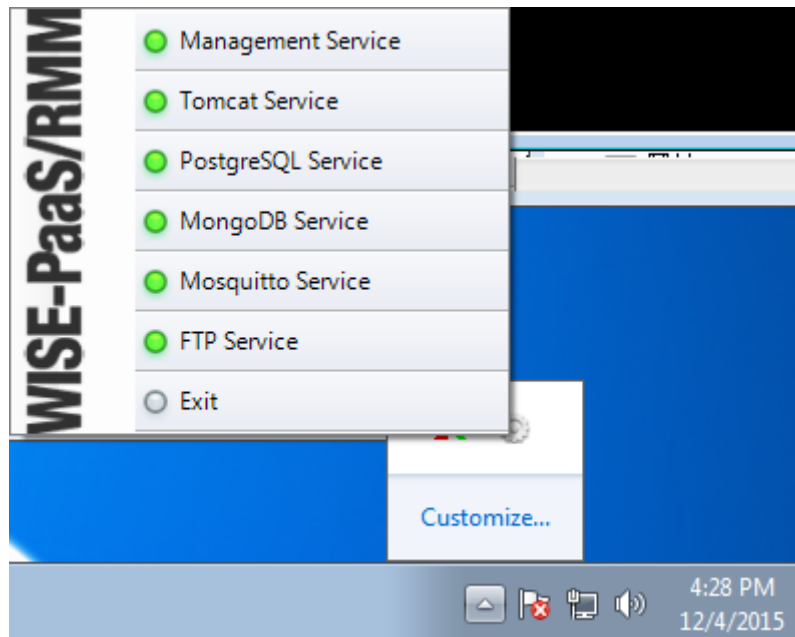
2.1. Server Console

After installing the Server software, users can launch the System Tray of ServerControl from **Windows Start/Programs**.



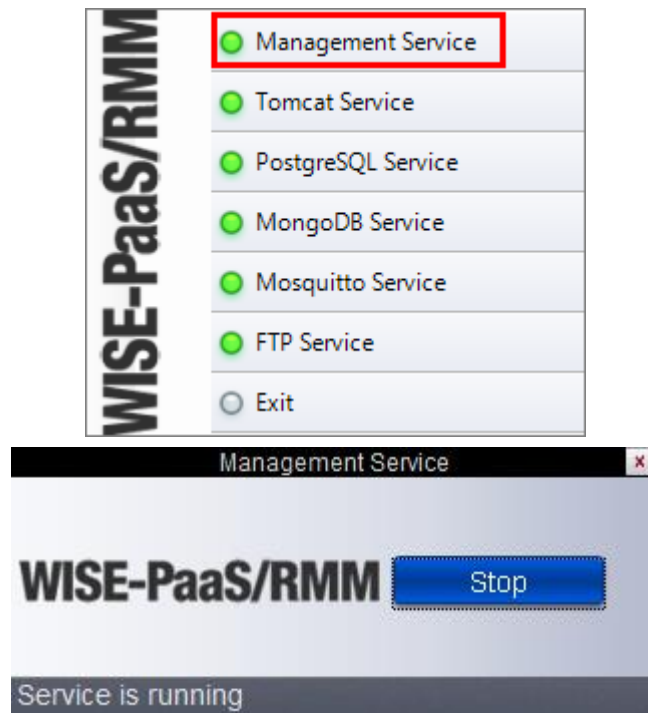
Right click to launch ServerControl menu from tray icon.





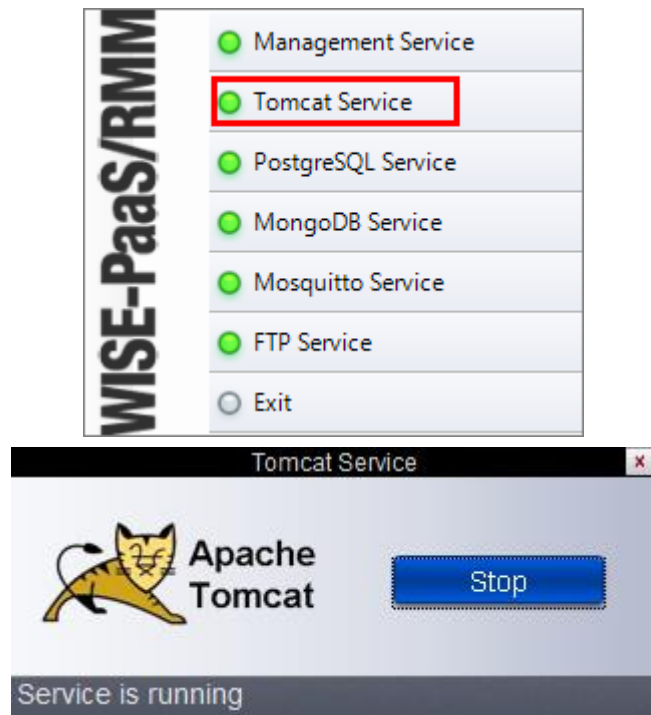
2.2. Management Service

Click “Management Service” for user to start/stop main RMM management service.



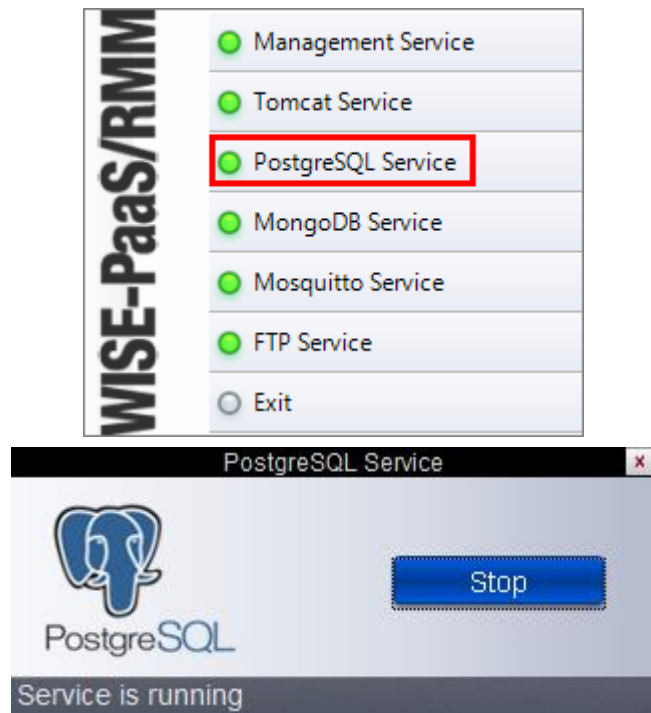
2.3. Tomcat Service

Click “Tomcat Service” for user to start/stop RMM web service.



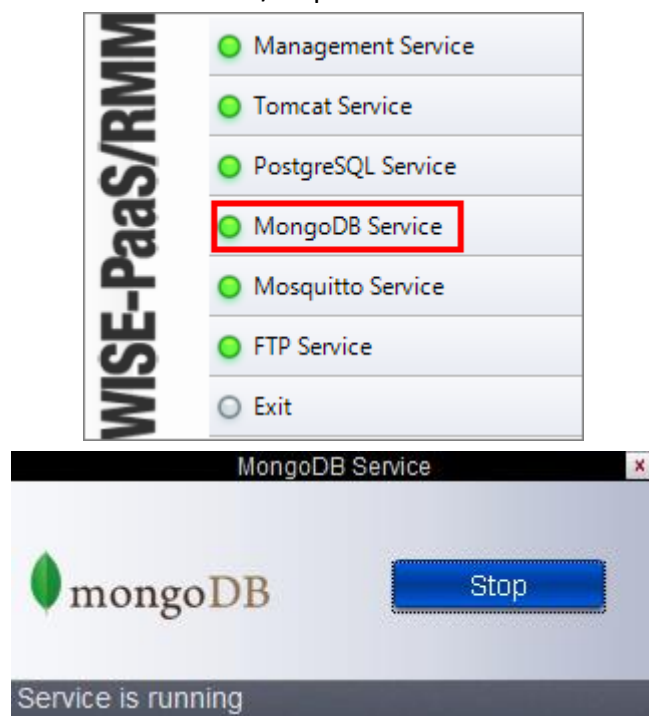
2.4. PostgreSQL Service

Click “PostgreSQL Service” for user to start/stop RMM database service for PostgreSQL.



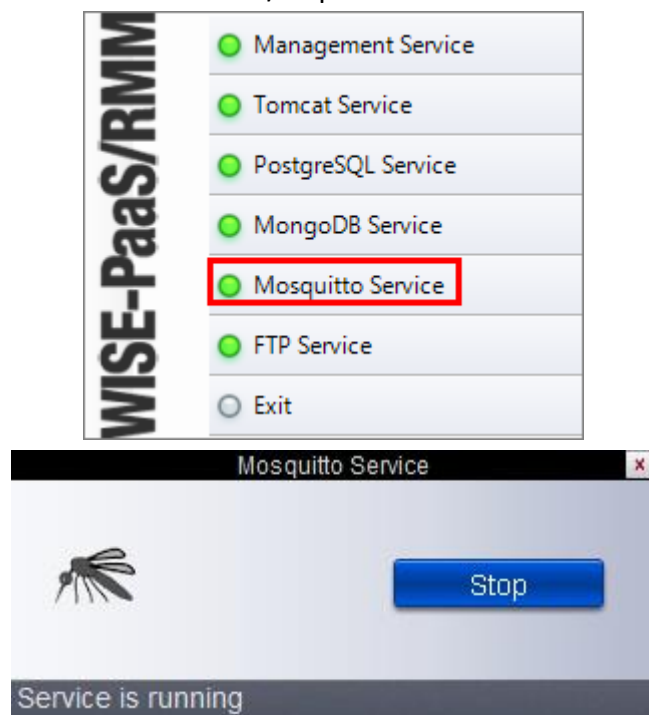
2.5. MongoDB Service

Click “MongoDB Service” for user to start/stop RMM database service for MongoDB.



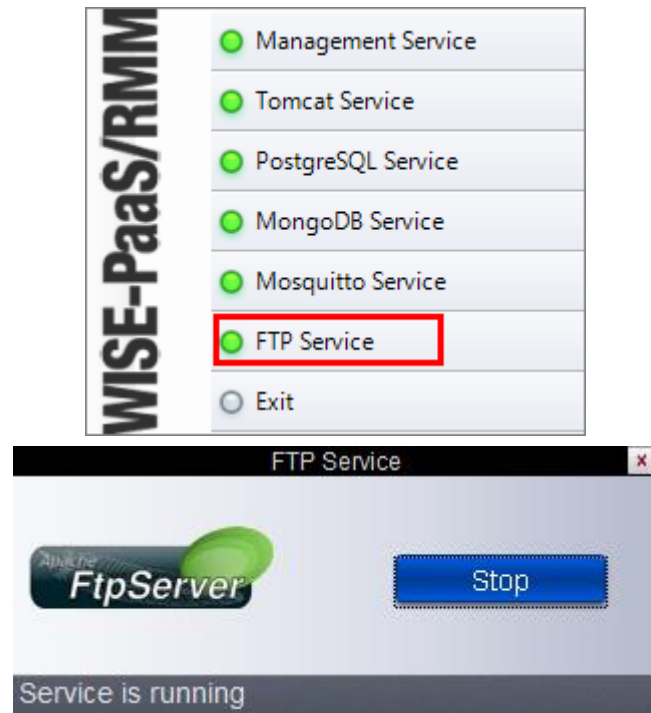
2.6. Mosquitto Service

Click “Mosquitto Service” for user to start/stop RMM MQTT service.



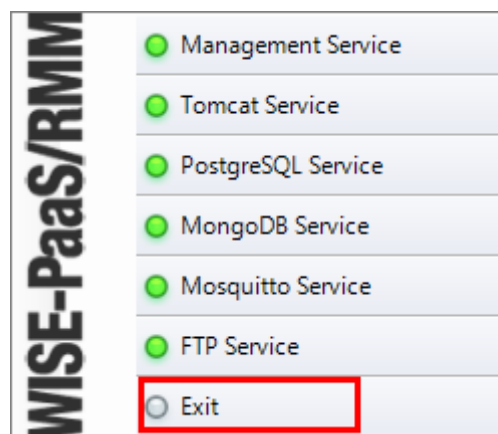
2.7. FTP Service

Click “FTP Service” for user to start/stop RMM ftp service.



2.8. Exit

Click “Exit” to terminate server management console from tray icon and all RMM services are still running in the background. User also can restart console from Windows/Programs menu.

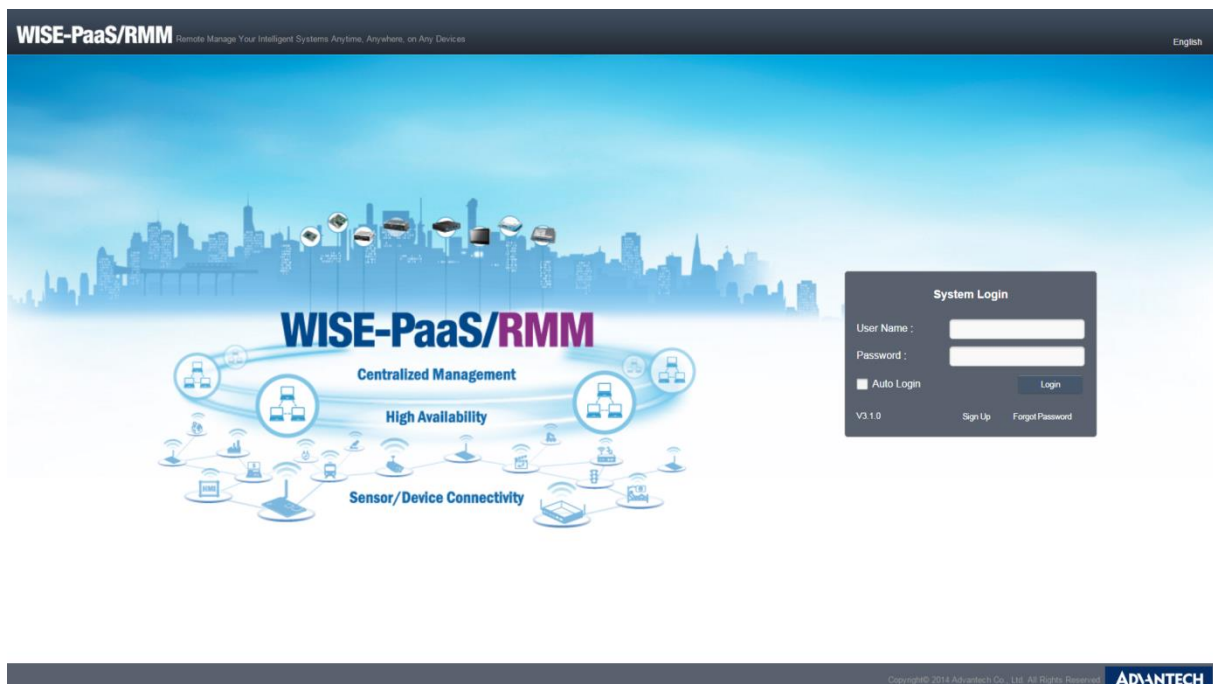


3. RMM Client (Desktop)

3.1. User Login/Logout

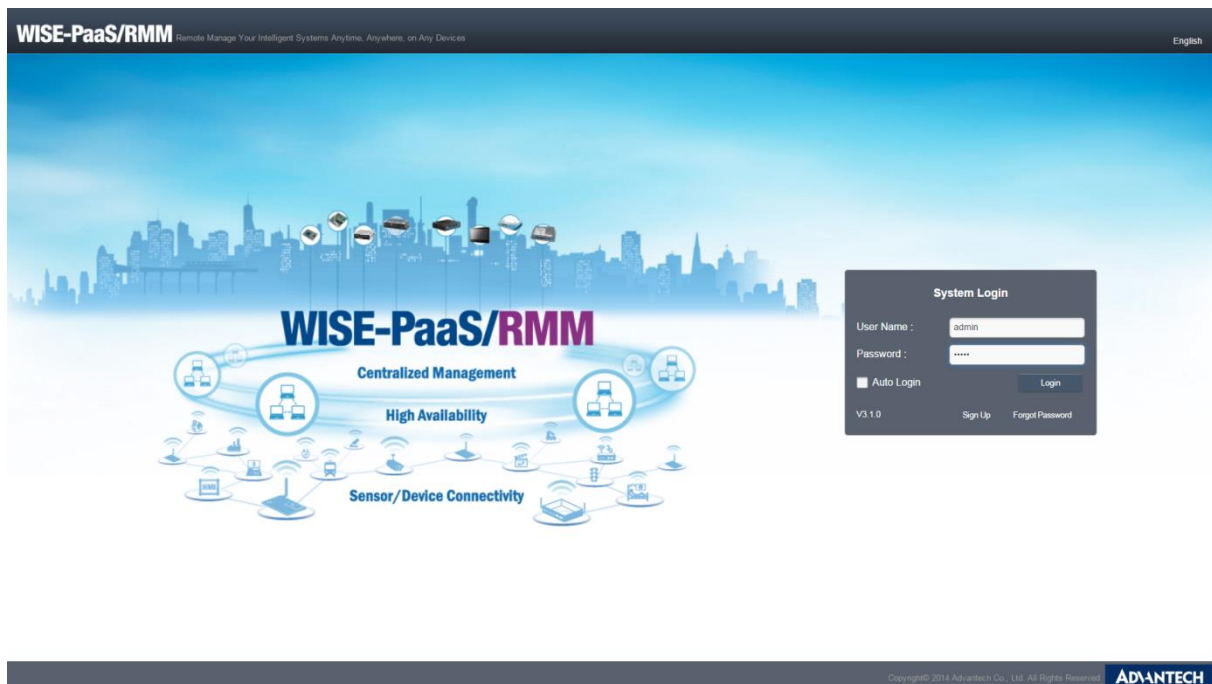
3.1.1. Portal

RMM supports mainstream browsers like Chrome, Firefox, IE and Safari. The portal page supports multi-language and auto-detects the language currently used by browsers for default displaying. Users also can select the language from the drop-down menu top-right corner to change manually.



3.1.2. User Log In

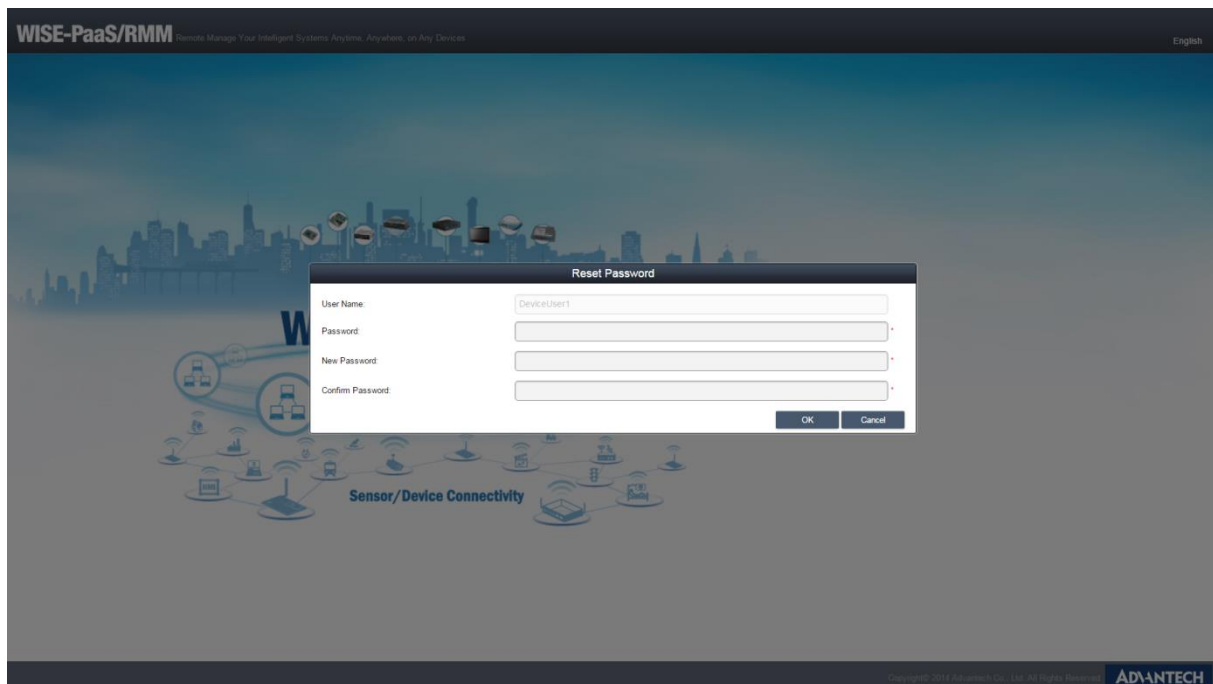
- Users can input valid User name, Password and click “Login” to verify and enter main management page.
- Check “Auto Login” to allow users to cache login information and auto login each time. *NOTE: For security concerns, don’t check this option if you are using a public PC.*



- If you forget your password, users can click “Forgot Password” and input the registered user email in the prompt dialog after it has auto resent the password to your email.

3.1.3. Changing Password for First Log In

- For the first successful login, new users can change their password or bypass it.



3.1.4. User Role

- **Multiple Role Definition:**

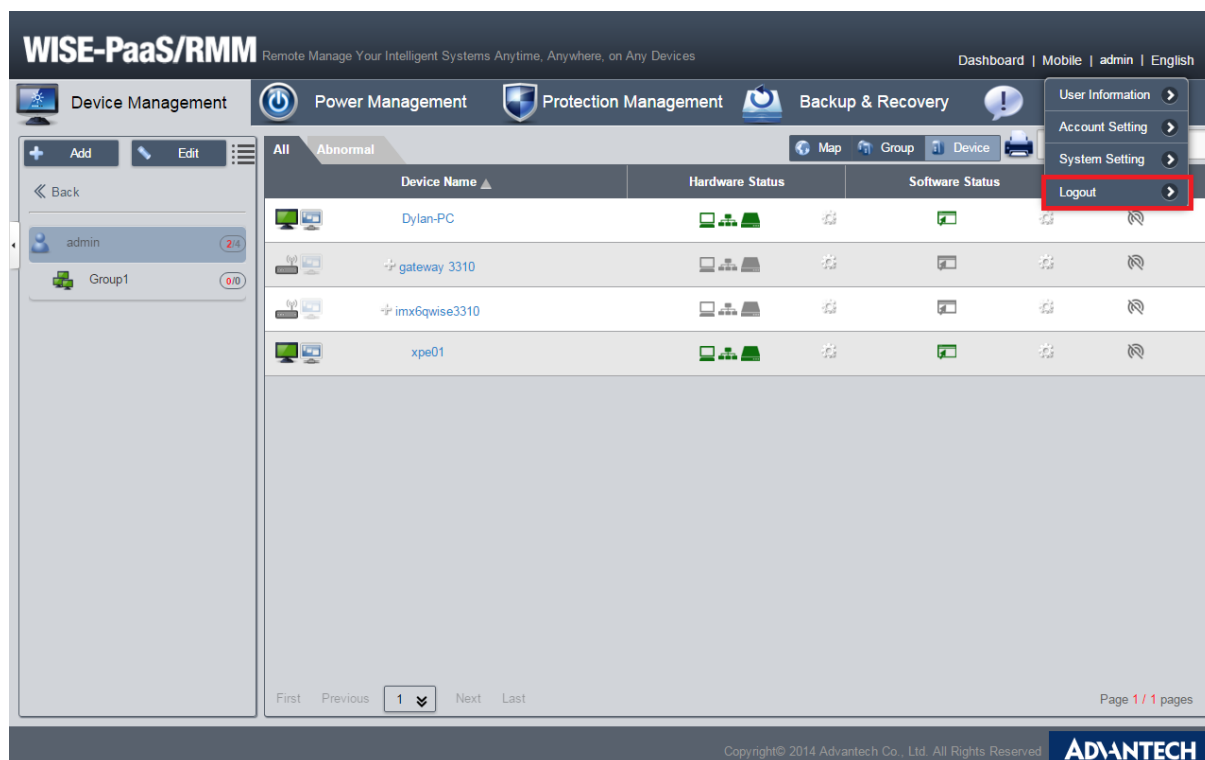
- System built-in 3 roles with different permissions (System Administrator, Device Administrator, Visitor) and customizable role.

Item	Action	Content	System Admin	Device Admin	Visitor
Device Management	Execute	Switch administrator	●		
	View	Group content	●	●	●
	Add	Group	●	●	
	Edit	Group	●	●	
	Add	Device	●	●	
	Edit	Device	●	●	
	Add	Location	●	●	
	Edit	Location	●	●	
	Add	Layout	●	●	
	Edit	Layout	●	●	
	Execute	Add device(s) onto map	●	●	
	Execute	Configure device print settings	●	●	
Device Management (Device Mode)	View	All/Error devices	●	●	●
	View	Device information	●	●	●
	View	Hardware/Software information	●	●	●
	Edit	Hardware/Software monitor rules	●	●	
	Execute	Kill software process(es)	●	●	
	Execute	KVM Viewer	●	●	

Device Management (Group Mode)	View	Hardware/Software information	●	●	●
	Edit	Hardware/Software monitor rules	●	●	
Device Management (Map Mode)	View	Device(s)/Location(s)/Layout(s)	●	●	●
	Edit	Relocate device(s)/Location(s)	●	●	
Power Management	View	All/Connected/Disconnected device(s)	●	●	●
	View	Schedule rule of system power management	●	●	●
	Add	Schedule rule of system power management	●	●	
	Edit	Schedule rule of system power management	●	●	
	Execute	Power management for managed device(s)	●	●	
System Protection	View	All/Connected/Disconnected device(s)	●	●	●
	Execute	System protection for managed device(s)	●	●	
Backup & Recovery	View	All/Connected/Disconnected device(s)	●	●	●
	View	Schedule rule of system backup and recovery	●	●	●
	Add	Schedule rule of system backup and recovery	●	●	
	Edit	Schedule rule of system backup and recovery	●	●	
	Execute	System backup and recovery action	●	●	
Event	Browse	Device relevant event	●	●	●
Other	Execute	Change language	●	●	●
	Edit	Account information(Change login password)	●	●	●
	Edit	Email/SMS notification settings for device events	●	●	
	Add	Account information	●		

	Edit	Account information	•		
	Edit	System configuration	•		
	Add	Sub-Server management			
	Edit	Sub-Server management			

3.1.5. User Log Out



Click the “Logout” from the right corner menu to check out the system.

3.2. Device Management

- After user login, Device Management is the default page.
- Device Management page is composed of a system hierarchy tree (Left-side) and device list (Right-side).
- Device management provides three levels of management view: Device List, Group List and Map View.
- System hierarchy tree includes server, account and group node for Device/Group List Mode as well as location, layout and device node for Map View mode. Each node supports corresponding operations (Add/Delete/Edit) according to node attributes.
-

WISE-PaaS/RMM Remote Manage Your Intelligent Systems Anytime, Anywhere, on Any Devices

Dashboard | Mobile | admin | English

Device Management Power Management Protection Management Backup & Recovery Event

Device Management: Add, Edit, Back

admin (2/4) Group1 (0/0)

Device Name	Hardware Status	Software Status	Report Status
Dylan-PC			
gateway 3310			
imx6qwise3310			
xpe01			

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3.2.1. View Mode – Device Status List

WISE-PaaS/RMM Remote Manage Your Intelligent Systems Anytime, Anywhere, on Any Devices

Dashboard | Mobile | admin | English

Device Management Power Management Protection Management Backup & Recovery Event

Device Management: Add, Edit, **View**

admin (2/4) Group1 (0/0)

Device Name	Hardware Status	Software Status	Report Status
Dylan-PC			
gateway 3310			
imx6qwise3310			
xpe01			

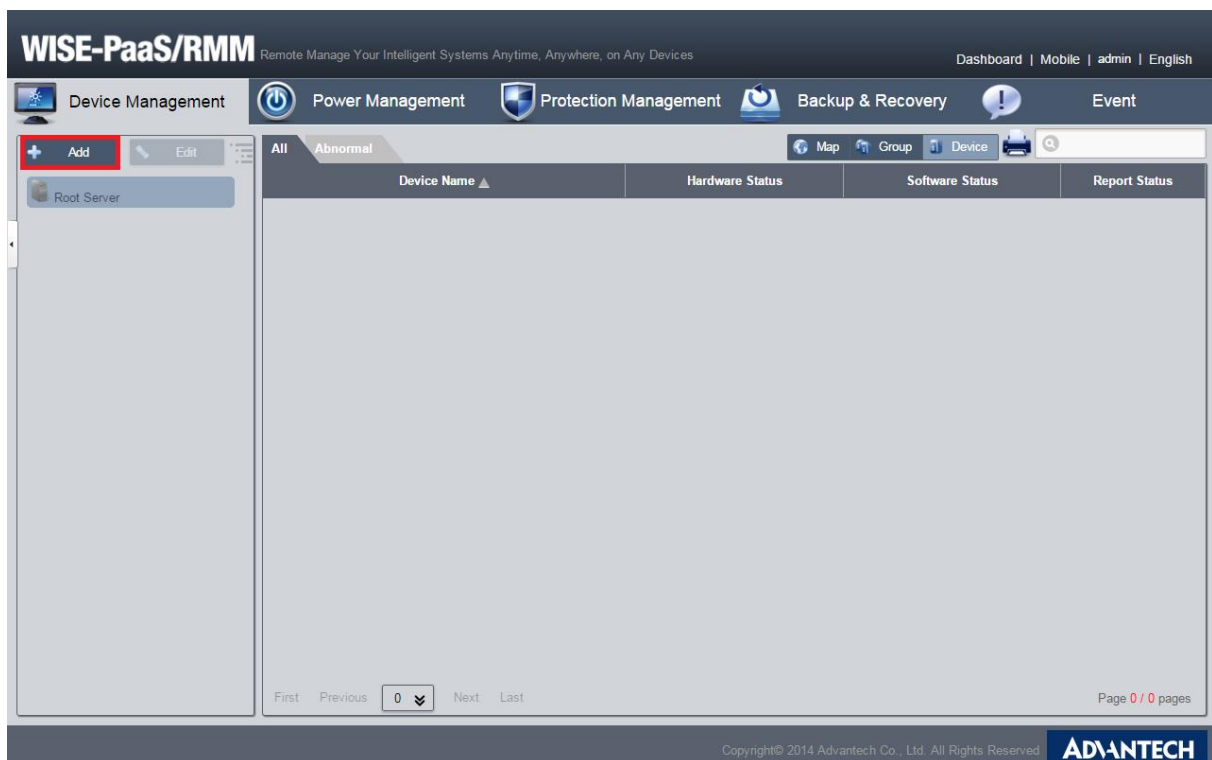
First Previous 1 Next Last Page 1 / 1 pages

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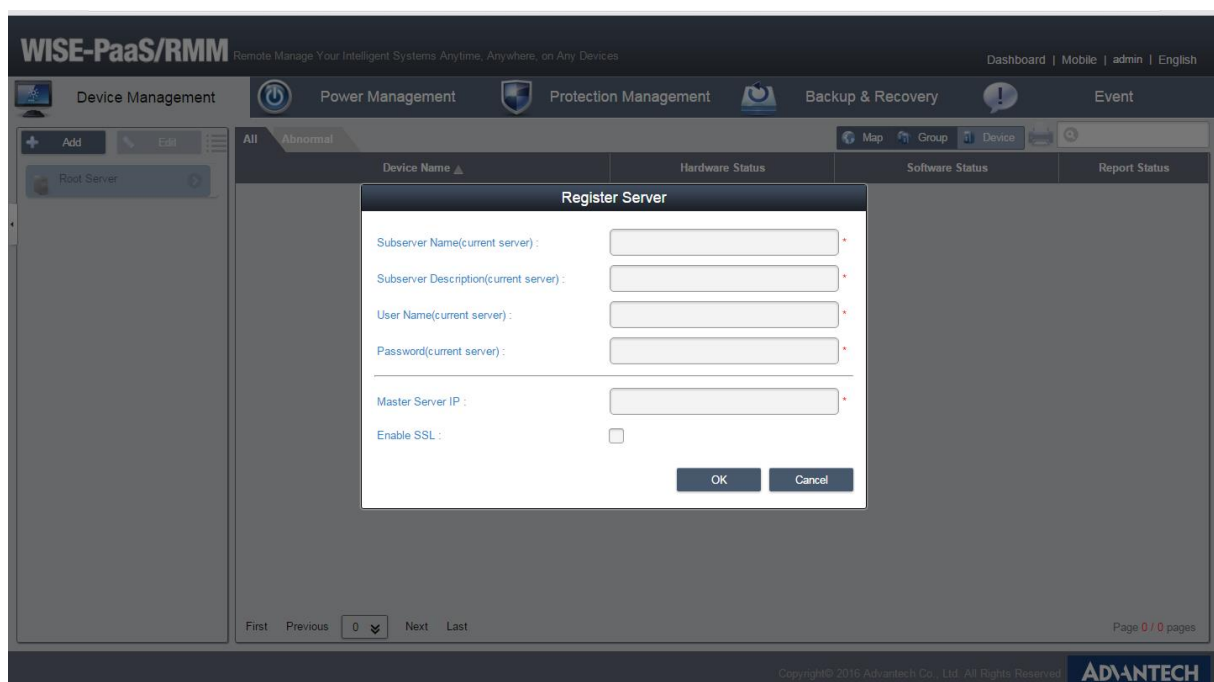
3.2.2. Register/Edit Device Server

● Register Device Server

Select the Root Server node and click **“Add”** button.

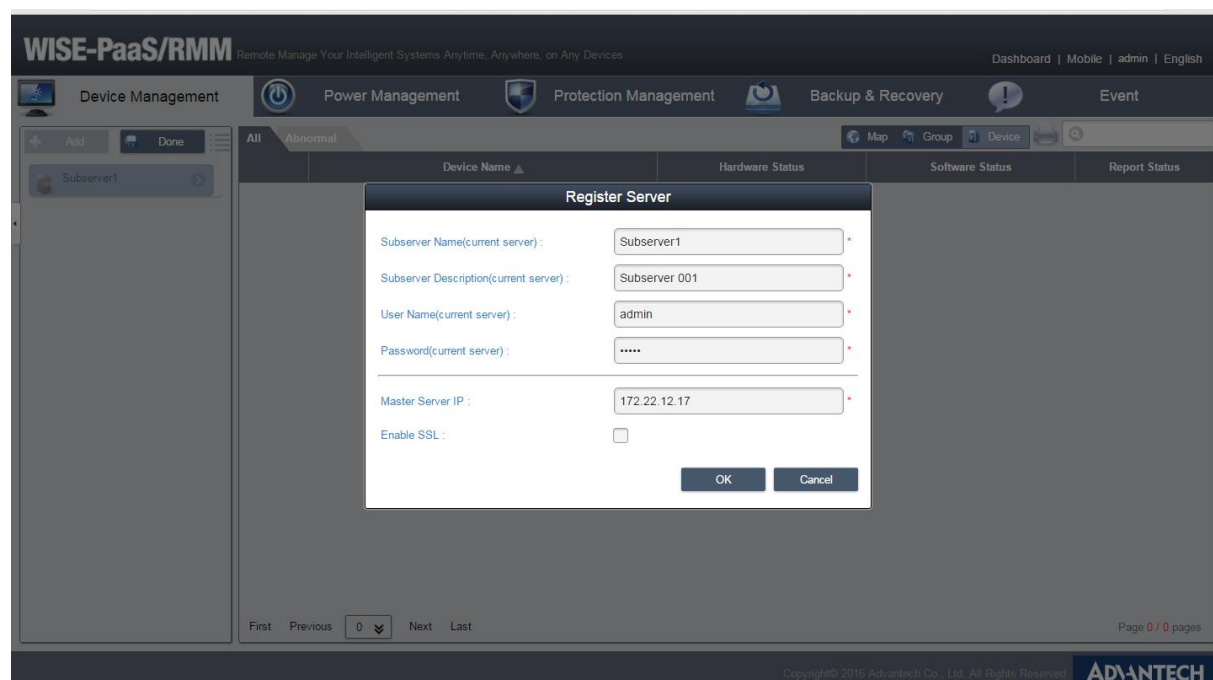
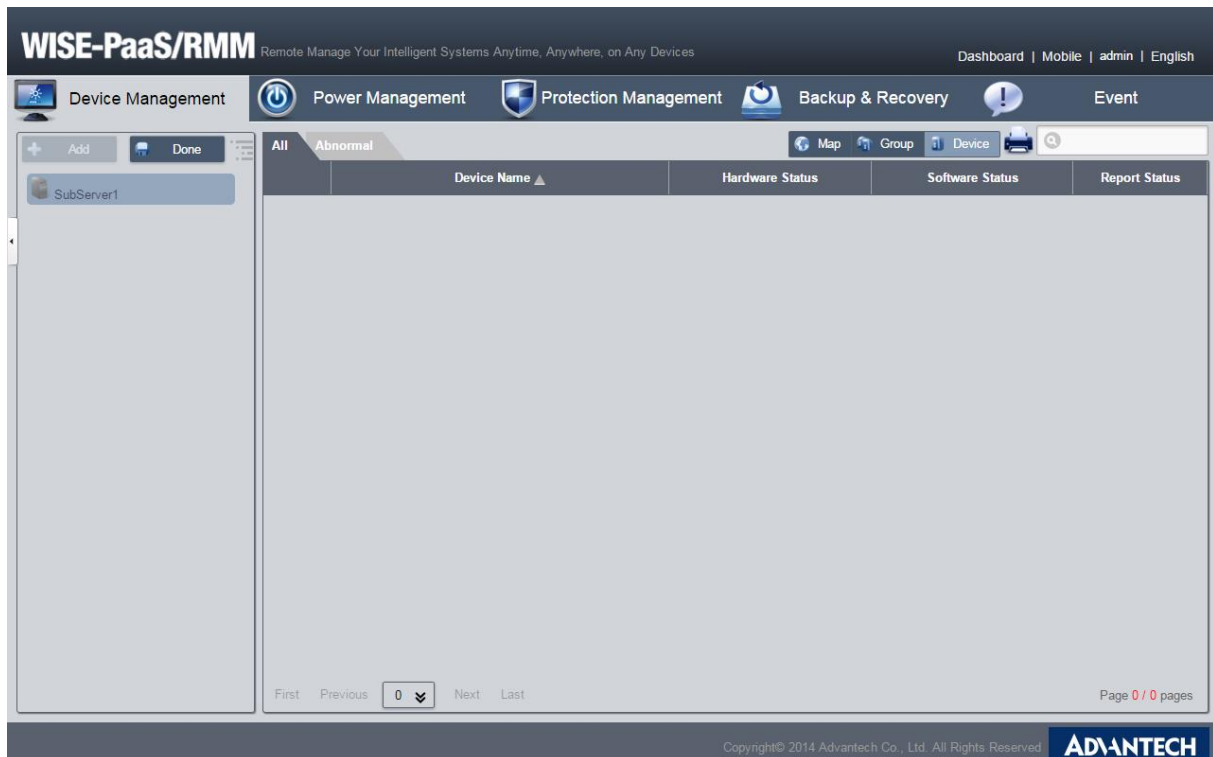


A “Register Server” dialog for new sub-server registering is shown.



● Edit Device Server

Click “Edit” to switch to edit mode and select the server node. Users can edit this server node.



3.2.3. Add/Delete/Edit Device Group

- **Add Device Group**

Select one user account and click “Add” to the popup menu option. Click “Add Group” to pop up “Device Group” dialog for new group addition.

WISE-PaaS/RMM Remote Manage Your Intelligent Systems Anytime, Anywhere, on Any Devices

Dashboard | Mobile | admin | English

Device Management | Power Management | Protection Management | Backup & Recovery | Event

Add Group | Add Device | Edit

Back

admin (2/4)

Group1 (0/10)

All | Abnormal

Map | Group | Device

Device Name	Hardware Status	Software Status	Report Status
Dylan-PC			
gateway 3310			
mx6qwise3310			
xpe01			

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WISE-PaaS/RMM Remote Manage Your Intelligent Systems Anytime, Anywhere, on Any Devices

Dashboard | Mobile | admin | English

Device Management | Power Management | Protection Management | Backup & Recovery | Event

+ Add | Edit

Back

Device Group

Group Name :

Group Description :

OK Cancel

All | Abnormal

Map | Group | Device

Device Name	Hardware Status	Software Status	Report Status
Dylan-PC			
gateway 3310			
mx6qwise3310			
xpe01			

First Previous 1 Next Last

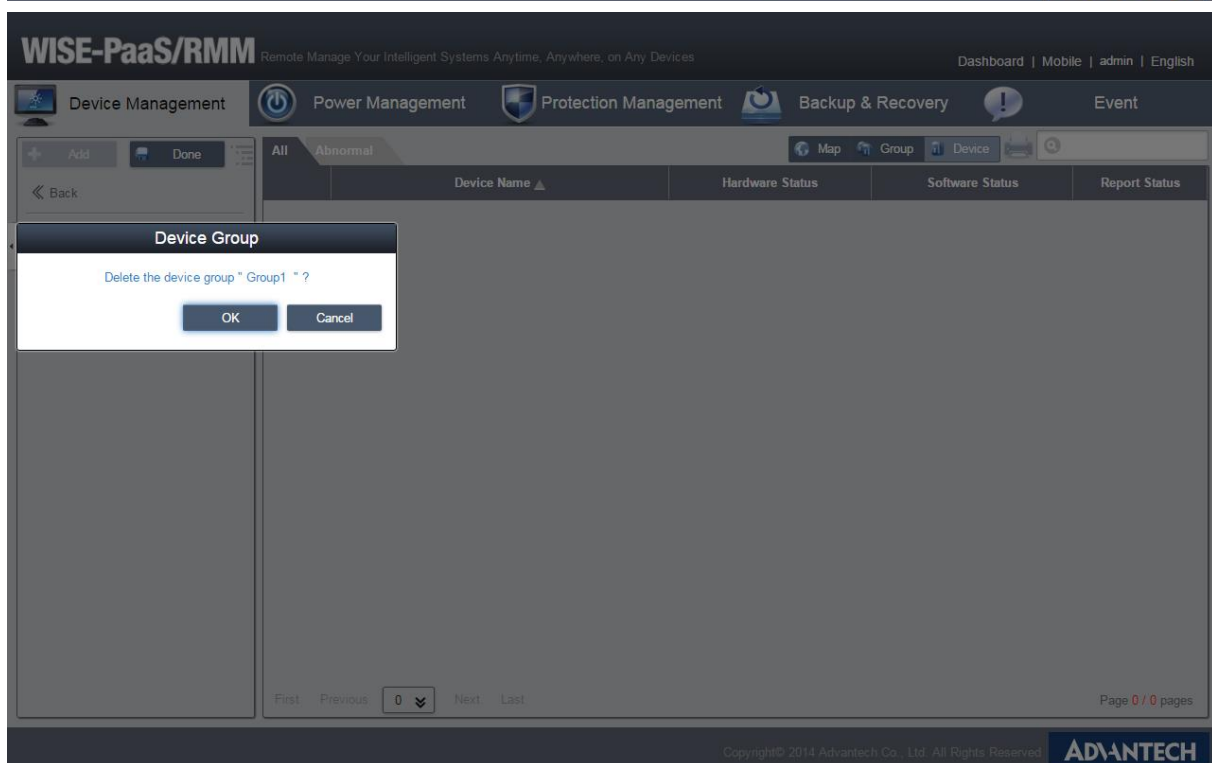
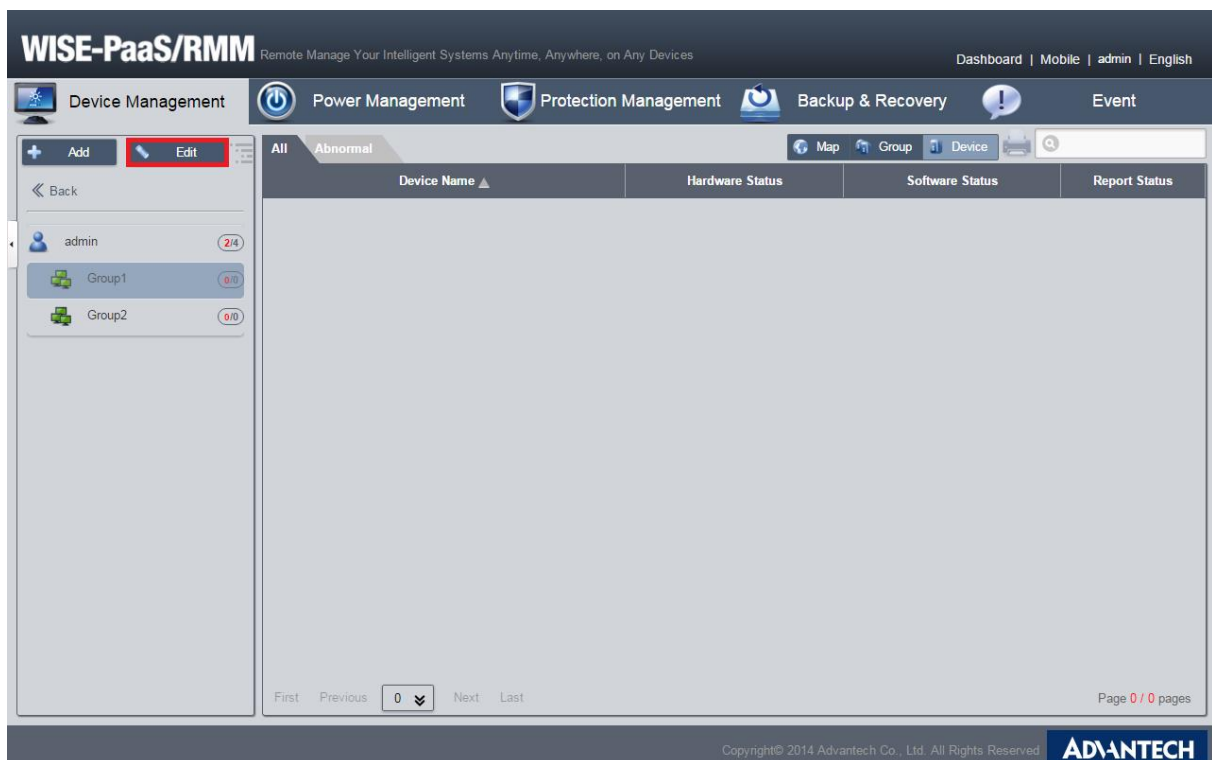
Page 1 / 1 pages

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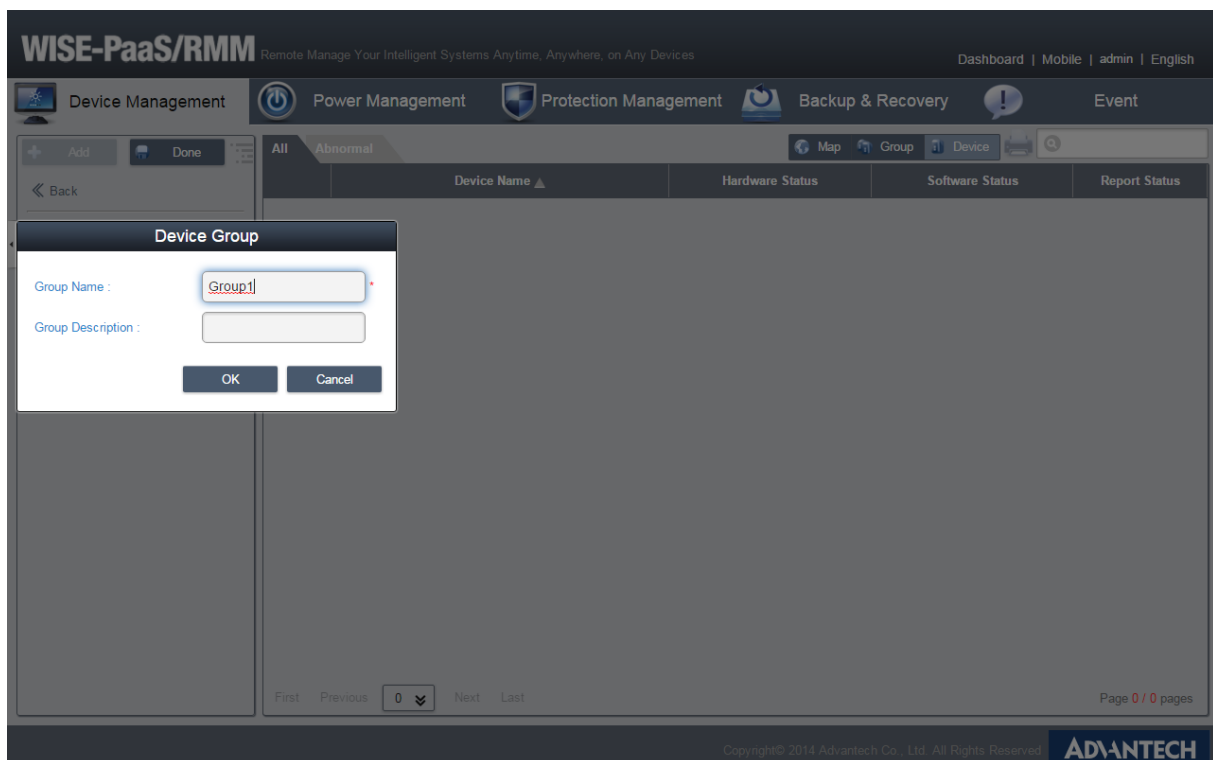
● Delete Device Group

Click "Edit" to switch to Edit Mode. Users can remove and edit groups on the group list in this mode. Click the "X" icon for the selected group row and confirm the group warning removal.



● Edit Group

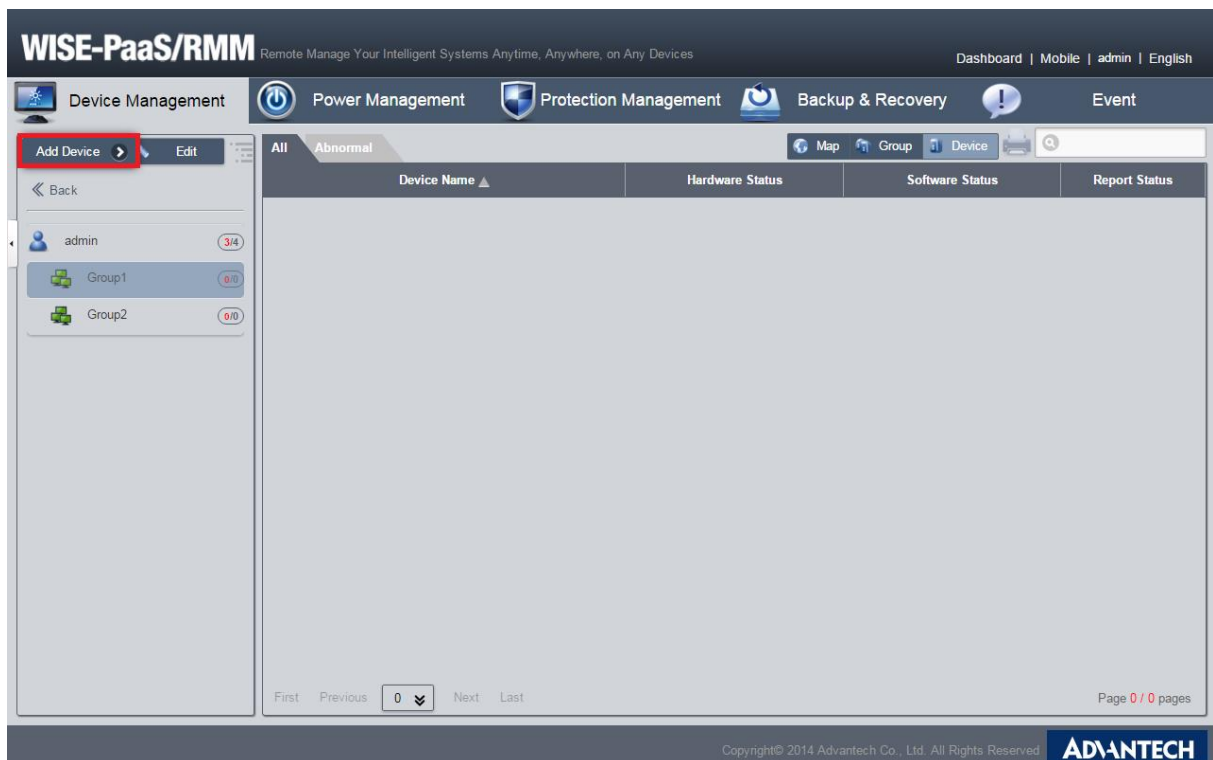
Click "Edit" to switch to edit mode and select one of the group nodes. Users can edit this group node. Click selected group name to pop up the "Group" dialog for editing.

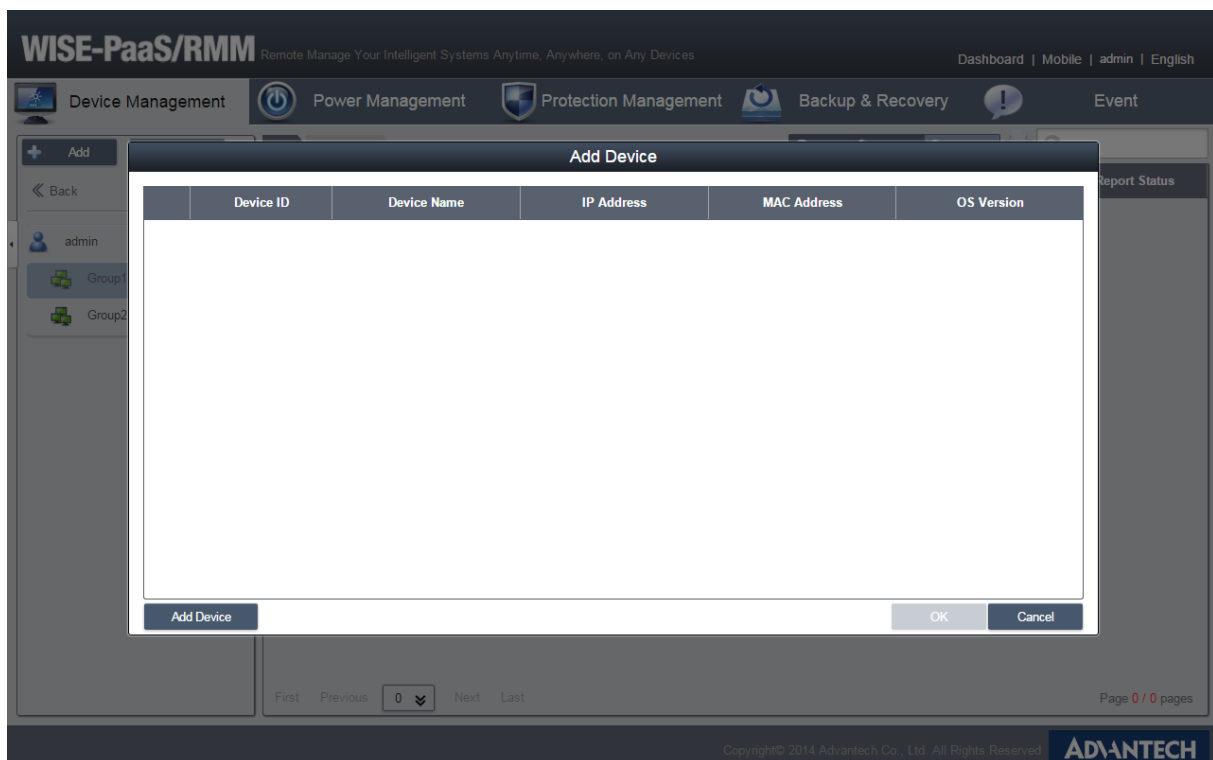


3.2.4. Add/Delete/Edit Device

- **Add Device**

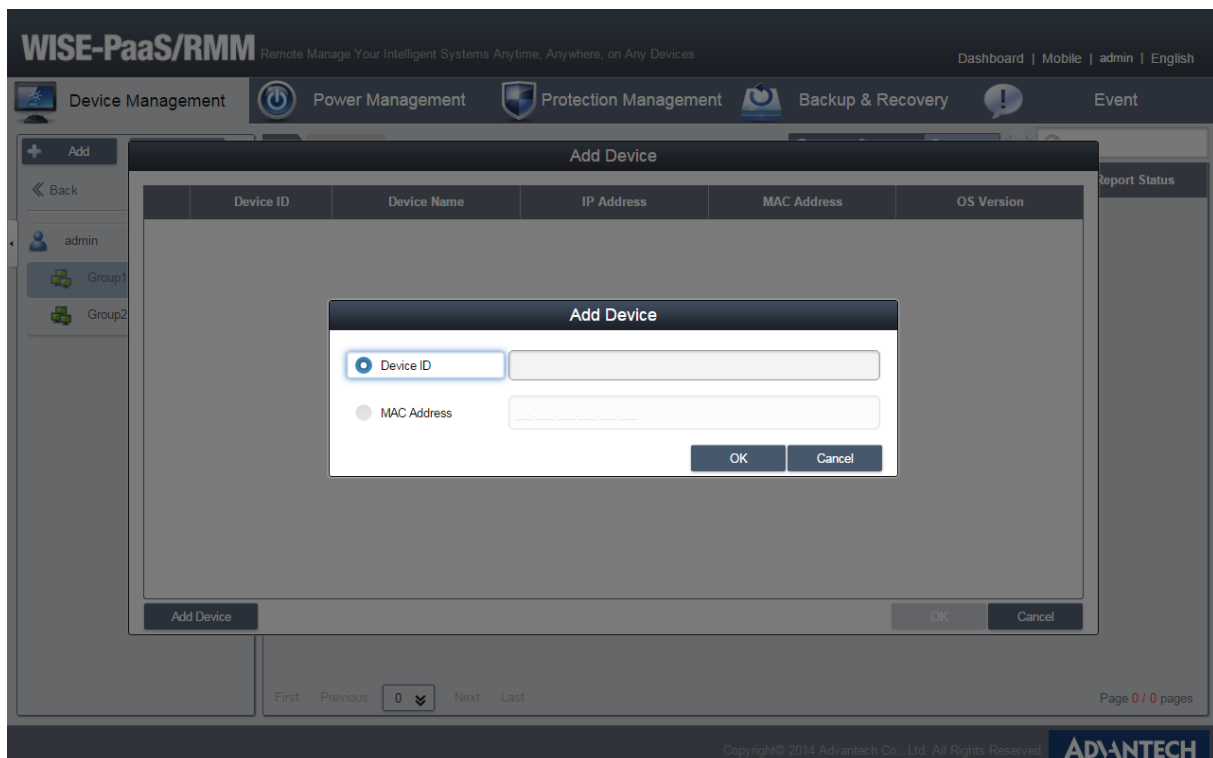
Select one of the user accounts or groups and click “Add” to the popup menu option. Click “Add Device” to the popup dialog for new device addition.





● Add Device

Click “Add Device” to pop up the Add Device dialog to manually add a device. Users can input known Device ID or MAC Addresses that have already registered to the server and assign a current account or group.



● Delete Device

Click “Edit” to switch to Edit Mode. Users can remove and edit devices on the device list in

this mode. Click the “X” icon for the selected device row and confirm the device warning removal.

WISE-PaaS/RMM Remote Manage Your Intelligent Systems Anytime, Anywhere, on Any Devices

Dashboard | Mobile | admin | English

Device Management | Power Management | Protection Management | Backup & Recovery | Event

Map | Group | Device

Device Name	Hardware Status	Software Status	Report Status
Dylan-PC			
gateway 3310			
imx6qwise3310			
xpe01			

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Dashboard | Mobile | admin | English

Device Management | Power Management | Protection Management | Backup & Recovery | Event

Map | Group | Device

Device Name	Hardware Status	Software Status	Report Status
Dylan-PC			
gateway 3310			
imx6qwise3310			
xpe01			


First Previous 1 Next Last Page 1 / 1 pages

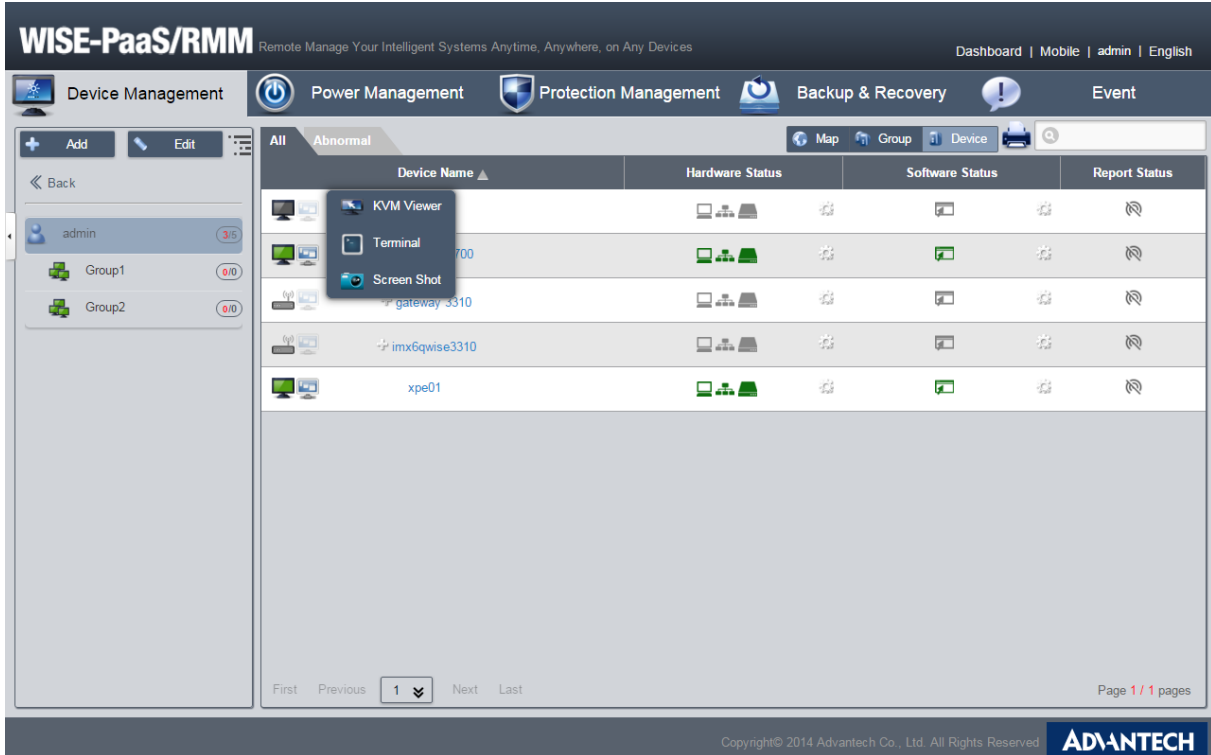
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● Edit Device

Click selected device name directly to pop up the “Device” dialog for editing.

3.2.5. Remote Control – KVM Viewer

When a device has been connected, the Remote Control icon  shows on the right side of the device name. Click on the icon for advanced controls including KVM Viewer, Terminal and Screen shot.



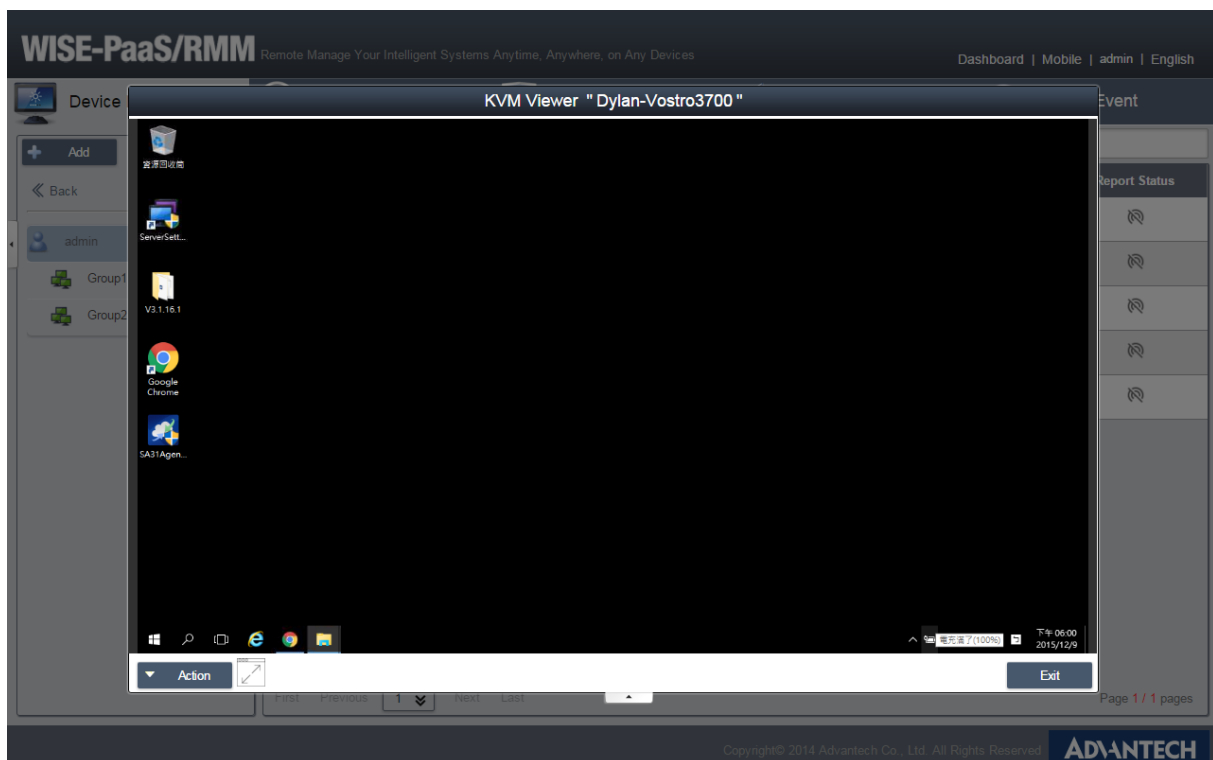
The screenshot displays the WISE-PaaS/RMM dashboard. The top navigation bar includes links for Dashboard, Mobile, admin, and English. The main menu features icons for Device Management, Power Management, Protection Management, Backup & Recovery, and Event. The left sidebar shows a list of devices: admin (3/5), Group1 (0/0), and Group2 (0/0). The main content area shows a table of devices with columns for Device Name, Hardware Status, Software Status, and Report Status. A context menu is open over the 'gateway 3310' device, showing options for KVM Viewer, Terminal, and Screen Shot. The footer includes the copyright notice 'Copyright© 2014 Advantech Co., Ltd. All Rights Reserved' and the Advantech logo.

Device Name	Hardware Status	Software Status	Report Status
gateway 3310			
imx6qwise3310			
xpe01			


● KVM Viewer

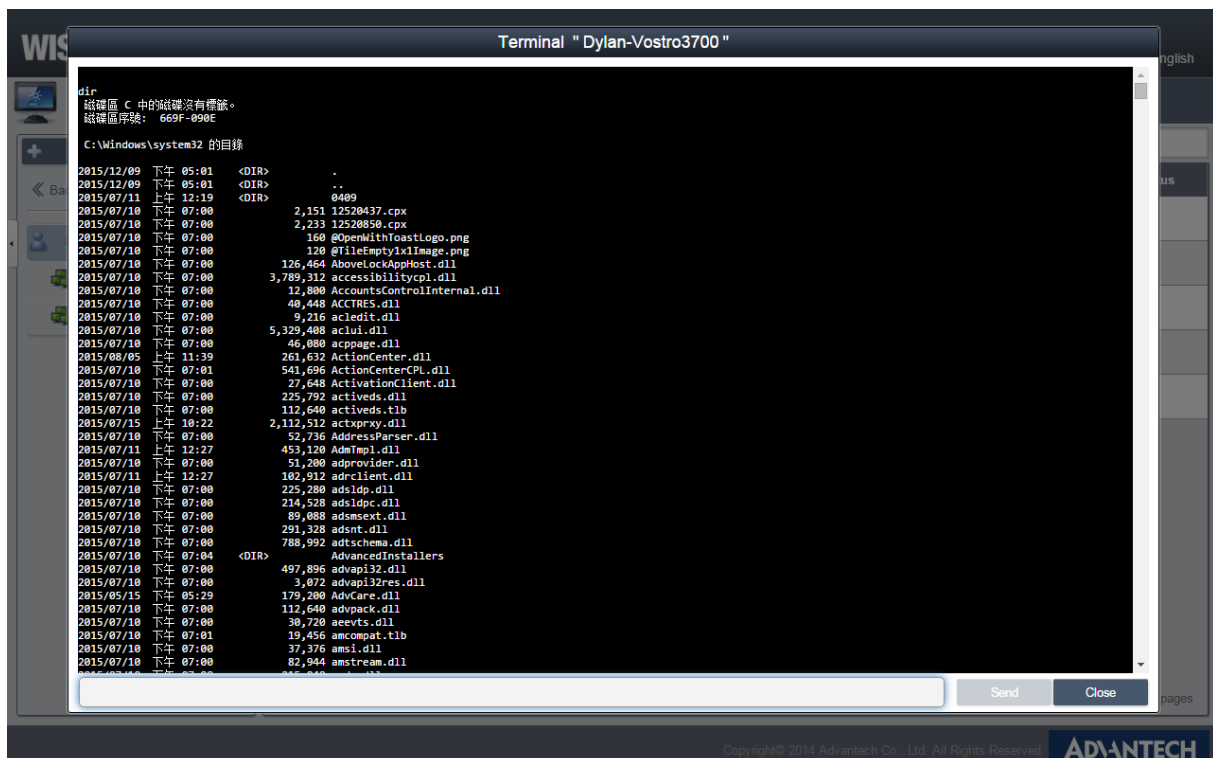
Click on the icon  from the Remote Control menu to connect to the device for KVM control.

Note: Users can select KVM connection method on the device agent side. System default is RMM KVM(Ultra VNC),users can select other already-installed VNC, or disable this function for security concerns.



3.2.6. Remote Control – Terminal

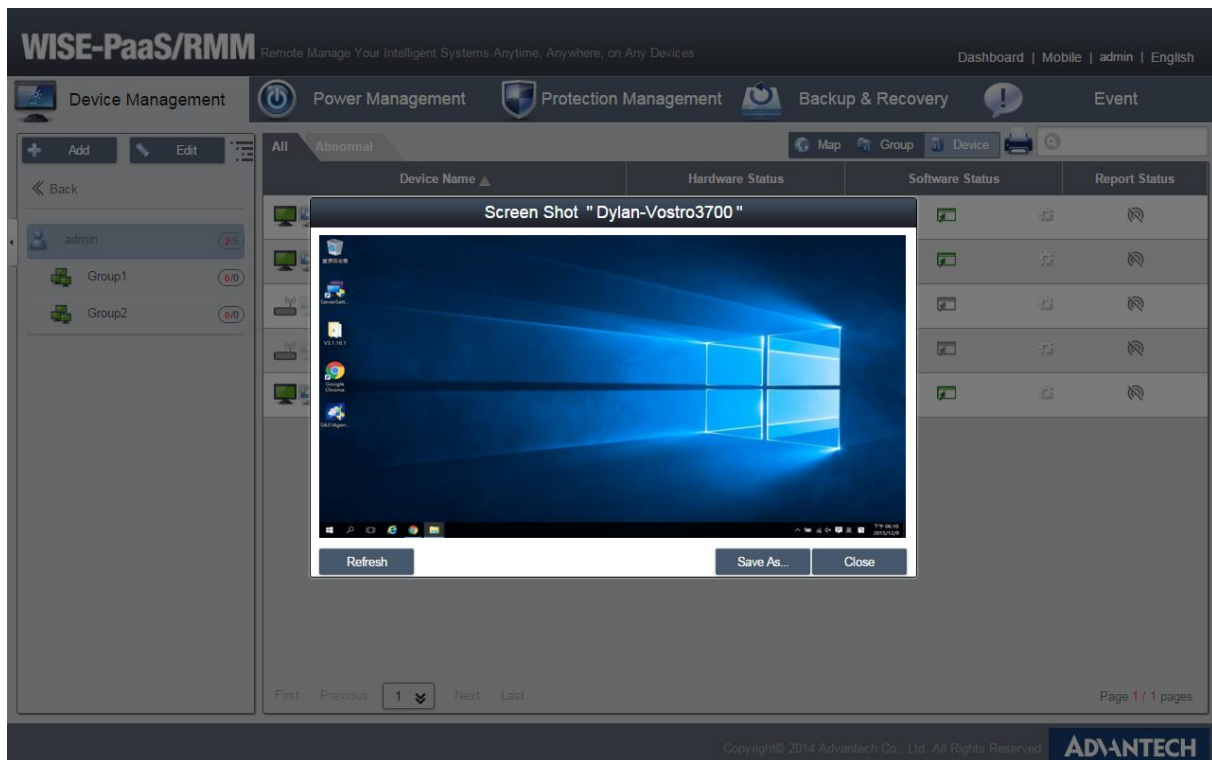
Click on the icon  from the Remote Control menu to connect to the device for Terminal command-line control.



3.2.7. Remote Control – Screen Shot

Click on the icon  from the Remote Control menu to snapshot the desktop screen of

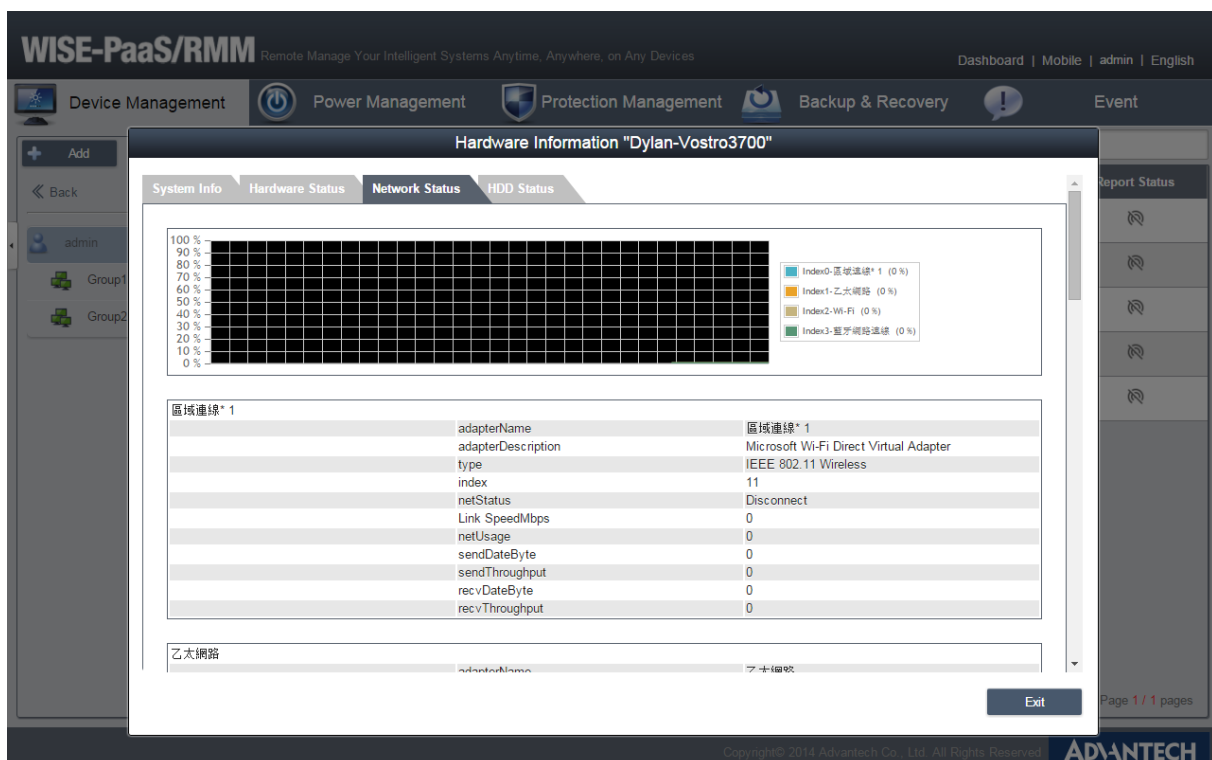
the remote device and save it on the local client side.




3.2.8. Hardware Monitoring Status

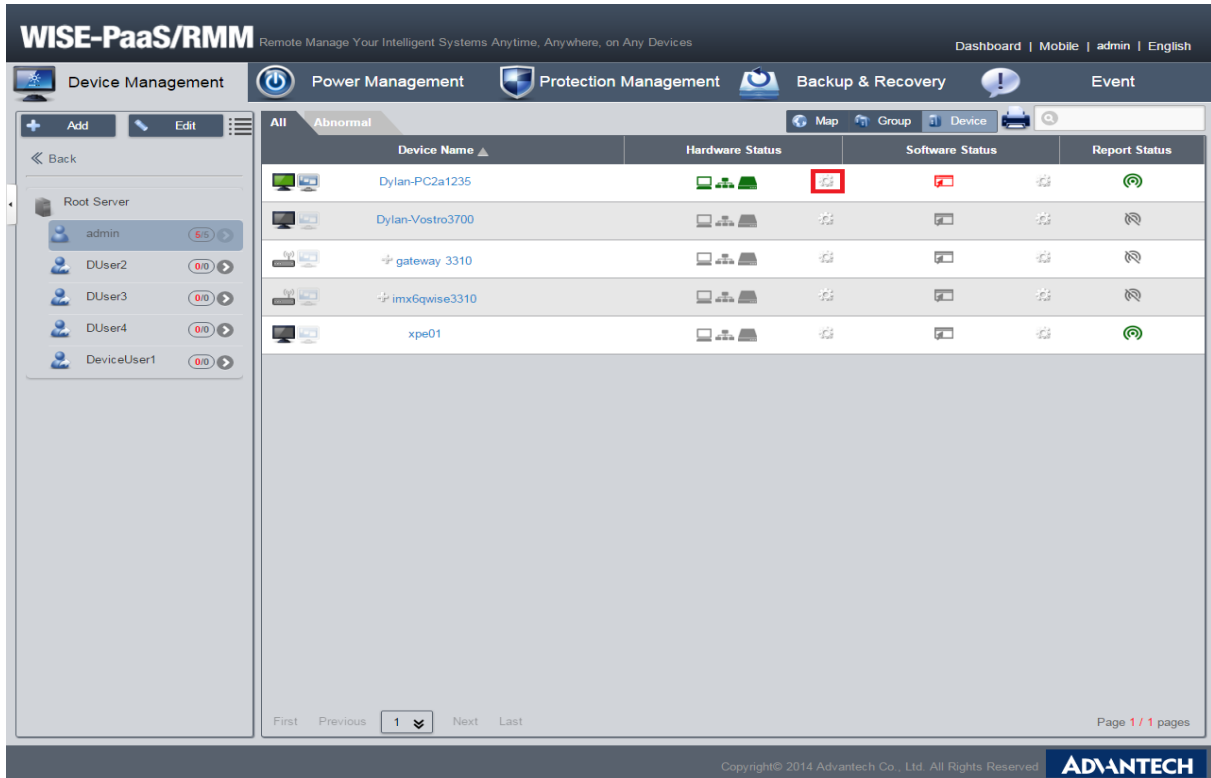
● Real-time Monitoring Chart

Click on the field “Hardware Status” of the device list item to graphically display hardware real-time parameters (memory, CPU usage, temperature, fan speed, and HD health status). Click on the parameter name to disable/enable displaying of the parameter curve.



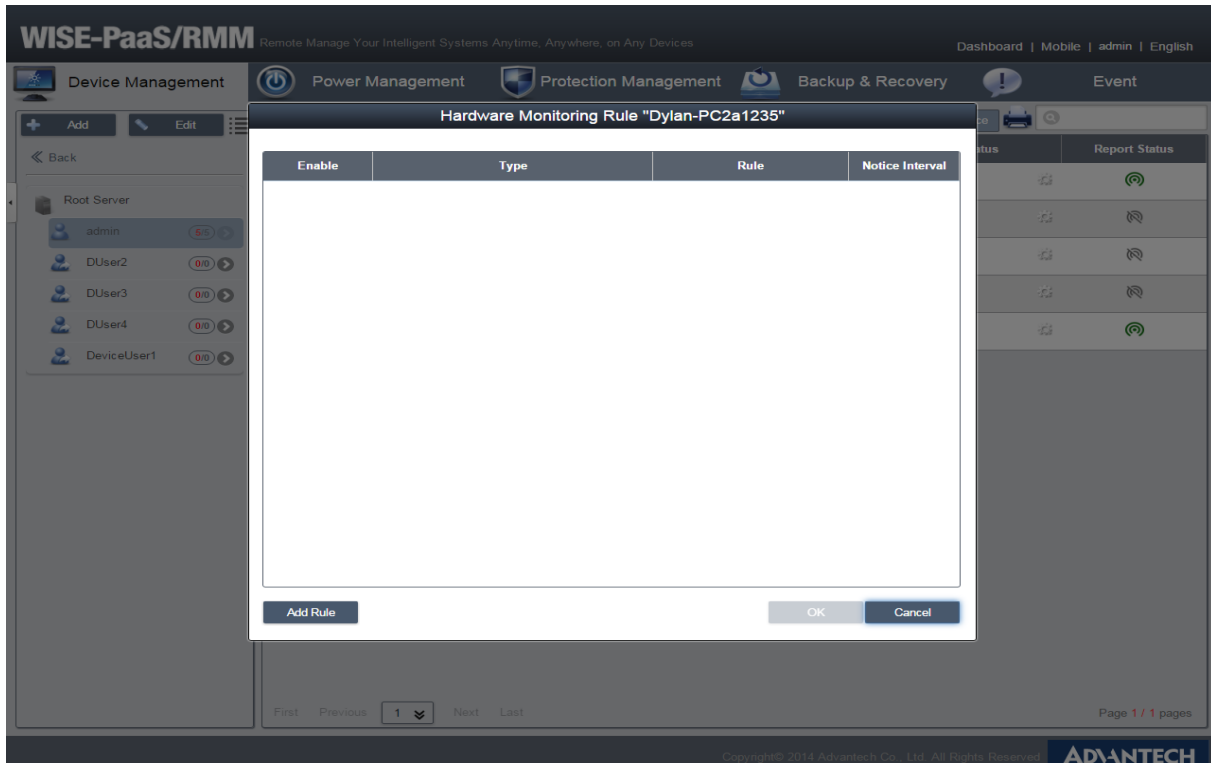
3.2.9. Hardware Monitoring Rules

Click on the  icon on the right to of “Hardware status” filed to popup the Hardware Monitoring dialog. The dialog lists current monitoring rules for hardware parameters includes CPU, voltage, fan speed, HDD, etc.



The screenshot shows the WISE-PaaS/RMM dashboard. The top navigation bar includes "Device Management", "Power Management", "Protection Management", "Backup & Recovery", and "Event". The left sidebar shows a tree view of the "Root Server" with users: admin, DUser2, DUser3, DUser4, and DeviceUser1. The main content area displays a table of devices under the "All" tab, with a sub-tab "Abnormal". The table has columns: Device Name, Hardware Status, Software Status, and Report Status. The first row, "Dylan-PC2a1235", has a red icon in the Hardware Status column, which is highlighted with a red box. The footer shows "Page 1 / 1 pages" and the Advantech logo.

Device Name	Hardware Status	Software Status	Report Status
Dylan-PC2a1235			
Dylan-Vostro3700			
gateway 3310			
imx6qwise3310			
xpe01			

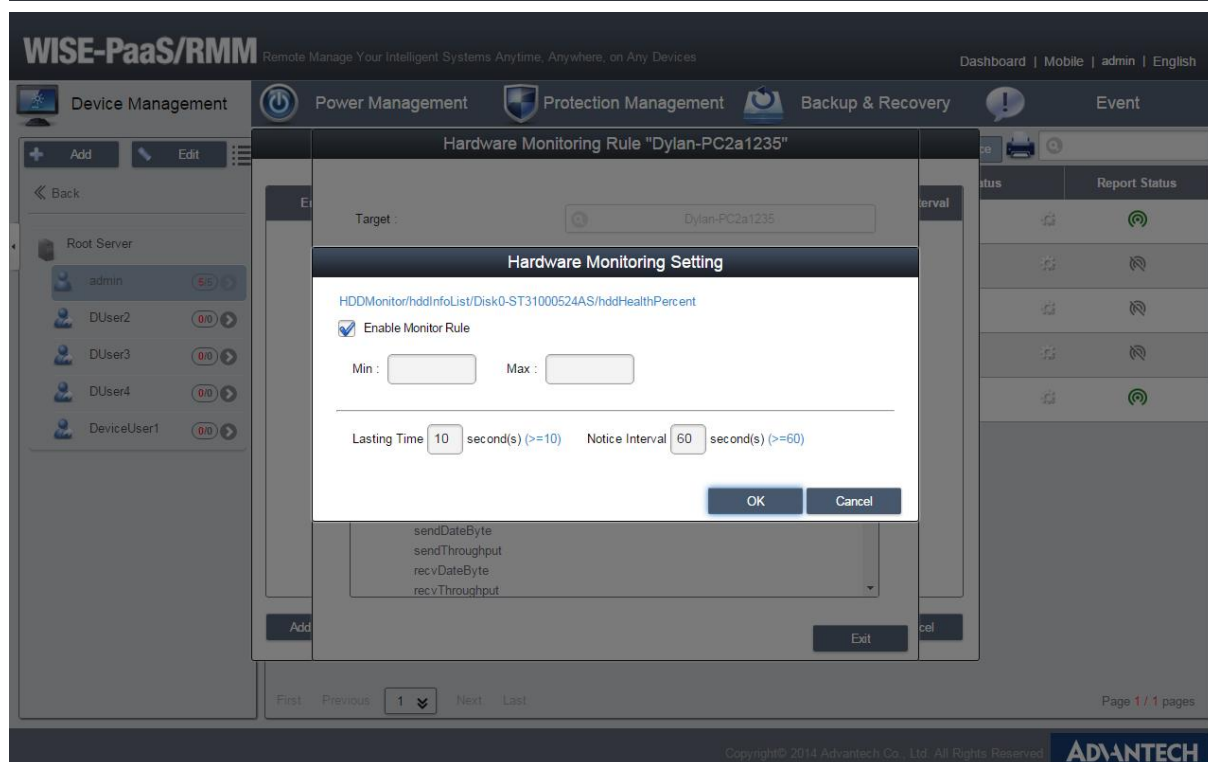
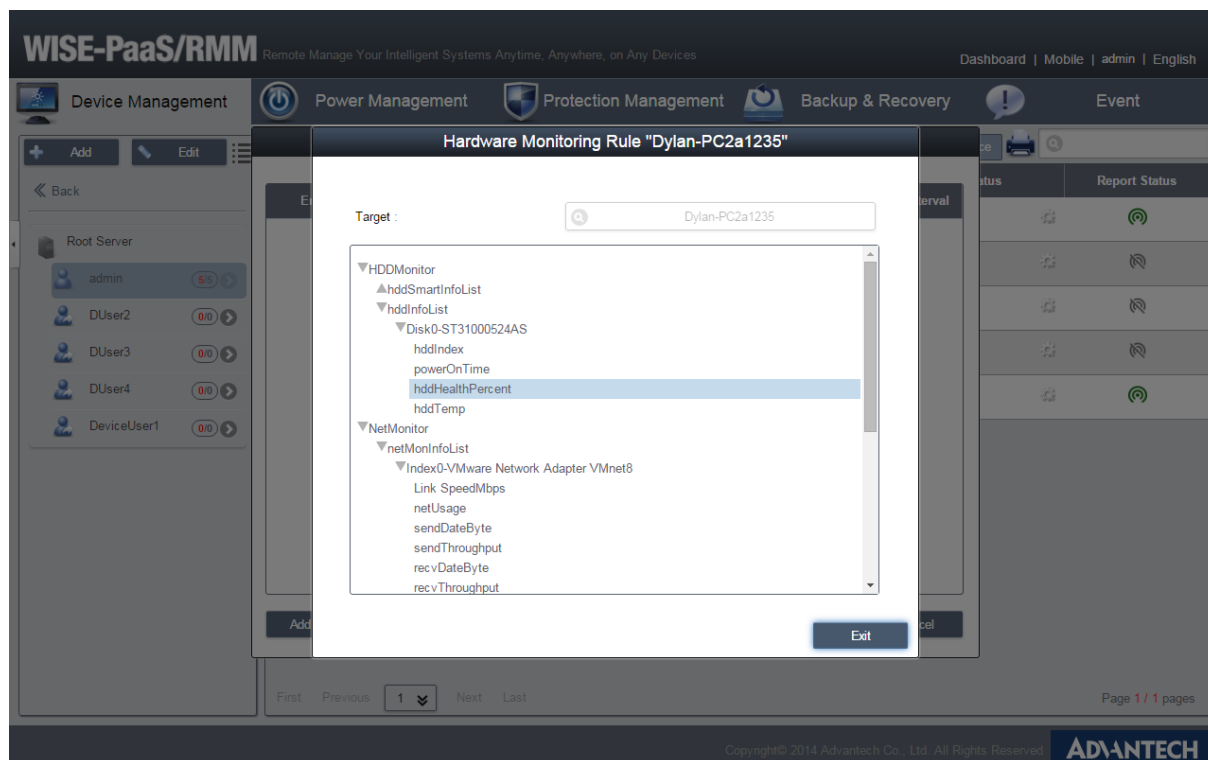


The screenshot shows the "Hardware Monitoring Rule" dialog for "Dylan-PC2a1235". The dialog has a table with columns: Enable, Type, Rule, and Notice Interval. The "Add Rule" button is at the bottom left, and "OK" and "Cancel" buttons are at the bottom right. The background shows the same dashboard as the previous screenshot, but the dialog is in the foreground.

Enable	Type	Rule	Notice Interval
--------	------	------	-----------------

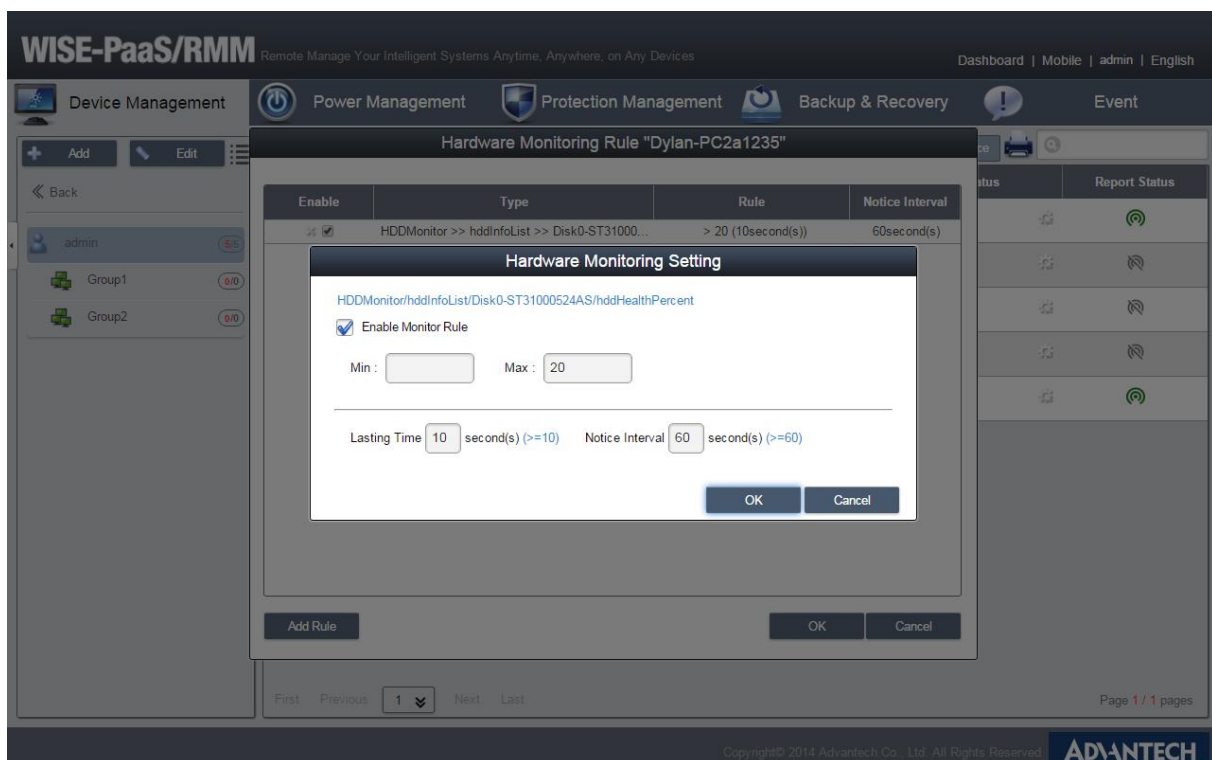
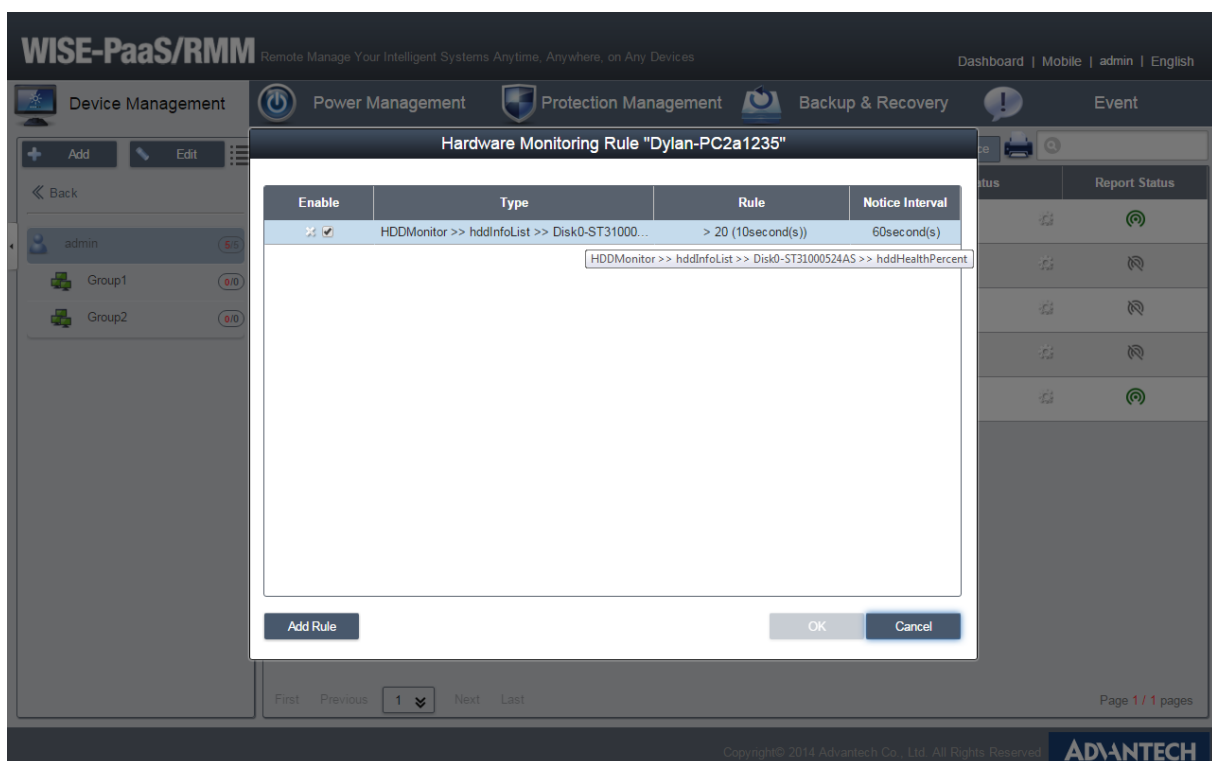
● Add Rules

Click on the button “Add Rule” button to add a new rule for hardware monitoring. Users can select the type of monitoring hardware from the device capability tree, input threshold values for the corresponding parameter, the last time in seconds for reaching that threshold and a notice interval for 2 contiguous events. Before clicking “OK”, users can check the option “Enable Monitor Rule” to enable/disable this new rule.



● Edit Rules

Click on a row in the Hardware Monitoring Rule box to pop up the “Hardware Monitoring Setting” dialog box.



- **Delete Rules**
Click on the “X” icon on the left side of the schedule item to delete the schedule.
- **Enable/Disable Schedule**
Check the enable check box in the schedule row to enable/disable the schedule.

3.2.10. Software Monitoring Status

- Real-time Process List

Click on the “Software Status” icon in the device list to display the status list for active real-time software (Name, Status, CPU usage and Memory).

WISE-PaaS/RMM Remote Manage Your Intelligent Systems Anytime, Anywhere, on Any Devices

Dashboard | Mobile | admin | English

Device Management | Power Management | Protection Management | Backup & Recovery | Event

Software Information "Dylan-PC2a1235"

Process Name	PID	Status	CPU Usage	Working Set (Memo...
chrome.exe	6764	Live	0 %	115732 KB
chrome.exe	5188	Live	0 %	56332 KB
mspaint.exe	4804	Live	0 %	41768 KB
splwow64.exe	5680	Live	0 %	19136 KB
WINWORD.EXE	5292	Live	0 %	140488 KB
explorer.exe	7444	Live	0 %	43848 KB
explorer.exe	7384	Live	0 %	38368 KB
ieexplore.exe	4352	Live	0 %	316196 KB
ieexplore.exe	5592	Live	0 %	37764 KB
taskmgr.exe	7120	Live	0 %	12772 KB
chrome.exe	6936	Live	0 %	283852 KB
java.exe	6688	Live	0 %	247772 KB
conhost.exe	6660	Live	0 %	4224 KB
cmd.exe	6652	Live	0 %	4256 KB
conhost.exe	2324	Live	0 %	4244 KB
java.exe	3912	Live	0 %	65000 KB

Exit

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Click on the process name to pop up the confirm dialog for killing a specified process, after confirming, users can kill and force the process to terminate.

Monitored Software

Do you want to kill the process ? **IEXPLORE.EXE**

Kill Cancel

3.2.11. Software Monitoring Rules

Click on the  icon on the right to of “Software status” filed to pop up the dialog for set Software Monitoring Rule. The dialog lists current monitoring rules for software processes.

WISE-PaaS/RMM Remote Manage Your Intelligent Systems Anytime, Anywhere, on Any Devices

Dashboard | Mobile | admin | English

Device Management | Power Management | Protection Management | Backup & Recovery | Event

Device Management

Back

admin 5/5

Group1 0/0

Group2 0/0

All Abnormal

Map Group Device

Device Name	Hardware Status	Software Status	Report Status
Dylan-PC2a1235			
Dylan-Vostro3700			
gateway 3310			
imx6qwise3310			
xpe01			

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WISE-PaaS/RMM Remote Manage Your Intelligent Systems Anytime, Anywhere, on Any Devices

Dashboard | Mobile | admin | English

Device Management | Power Management | Protection Management | Backup & Recovery | Event

Device Management

Back

admin 5/5

Group1 0/0

Group2 0/0

Software Monitoring Rule "Dylan-PC2a1235"

Enable	PID	Process	CPU Usage	Memory	Action	Notice Interval
--------	-----	---------	-----------	--------	--------	-----------------

Add Rule OK Cancel

First Previous 1 Next Last

Page 1 / 1 pages

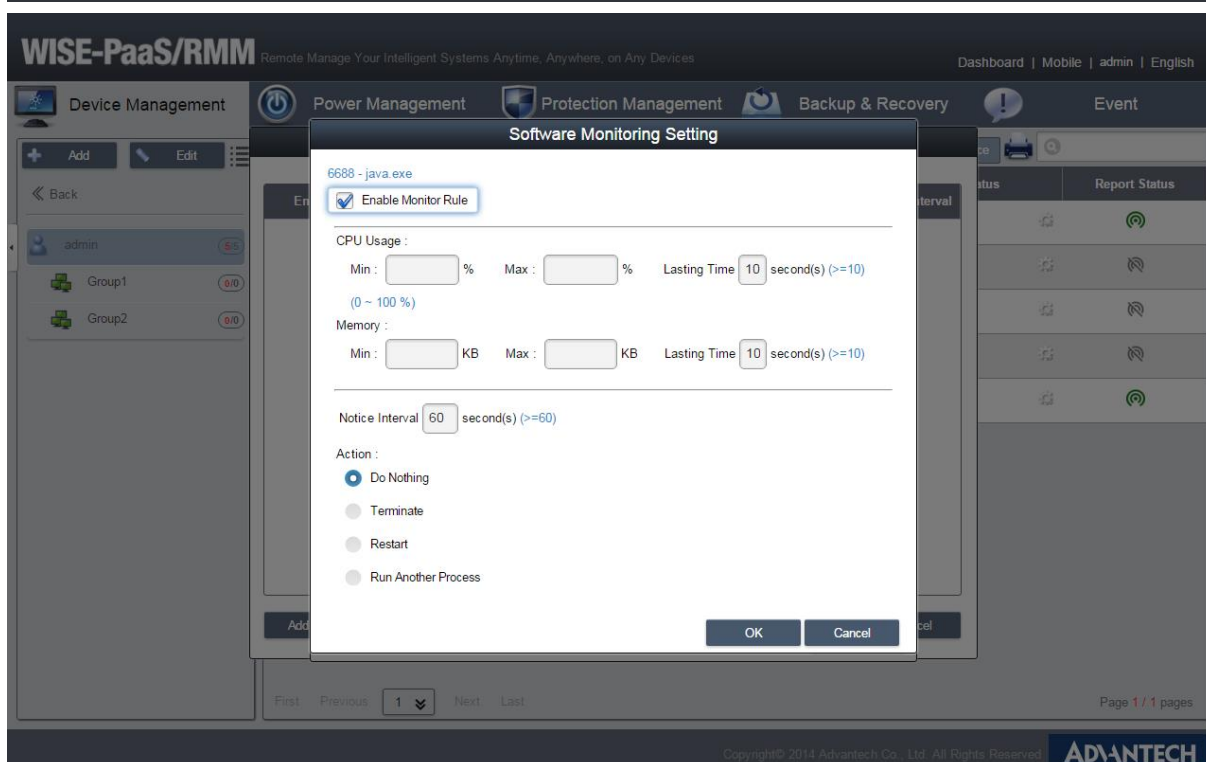
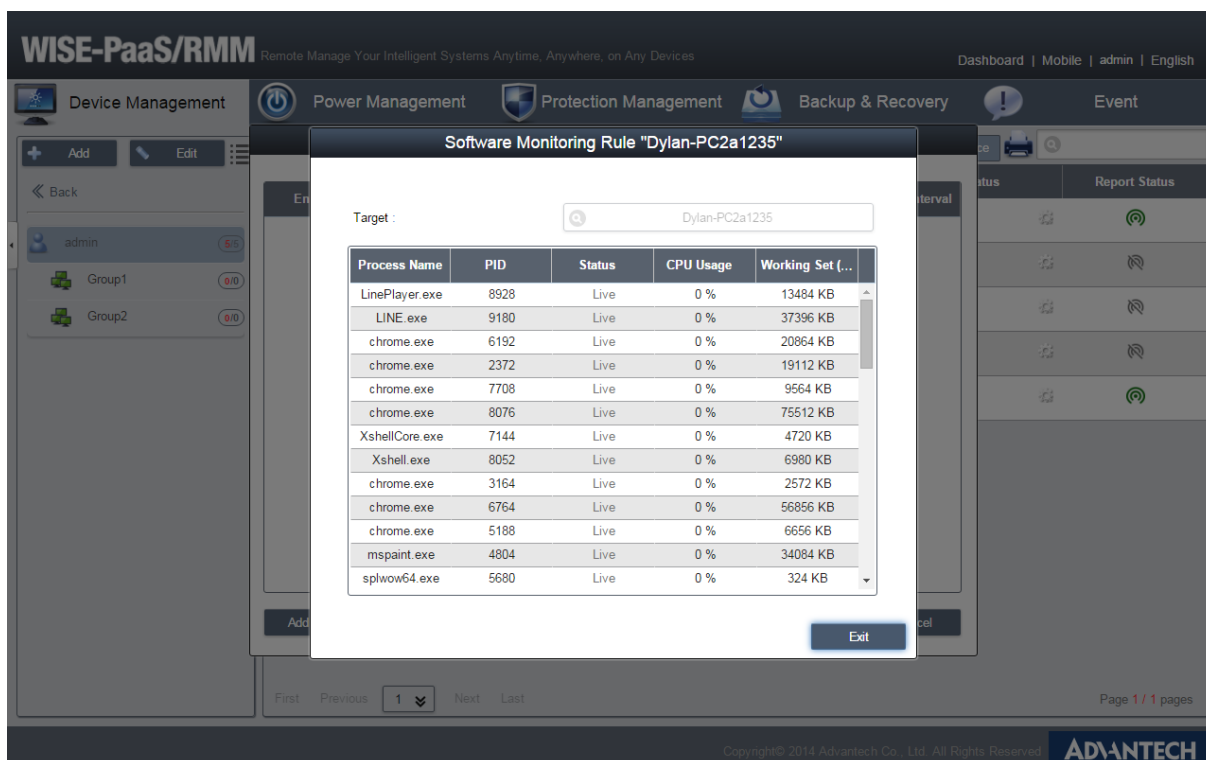
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● Add Rules

Click on the button "Add Rule" to add a new rule for software monitoring. Users can select the process from current running list that they want to monitor, the threshold values of the CPU and memory, the last time in seconds for reaching the threshold, and the notice interval for 2 contiguous events and corresponding action. Before clicking the "OK" button to add the rule, users can check the option "Enable Monitor Rule" to enable/disable this new added

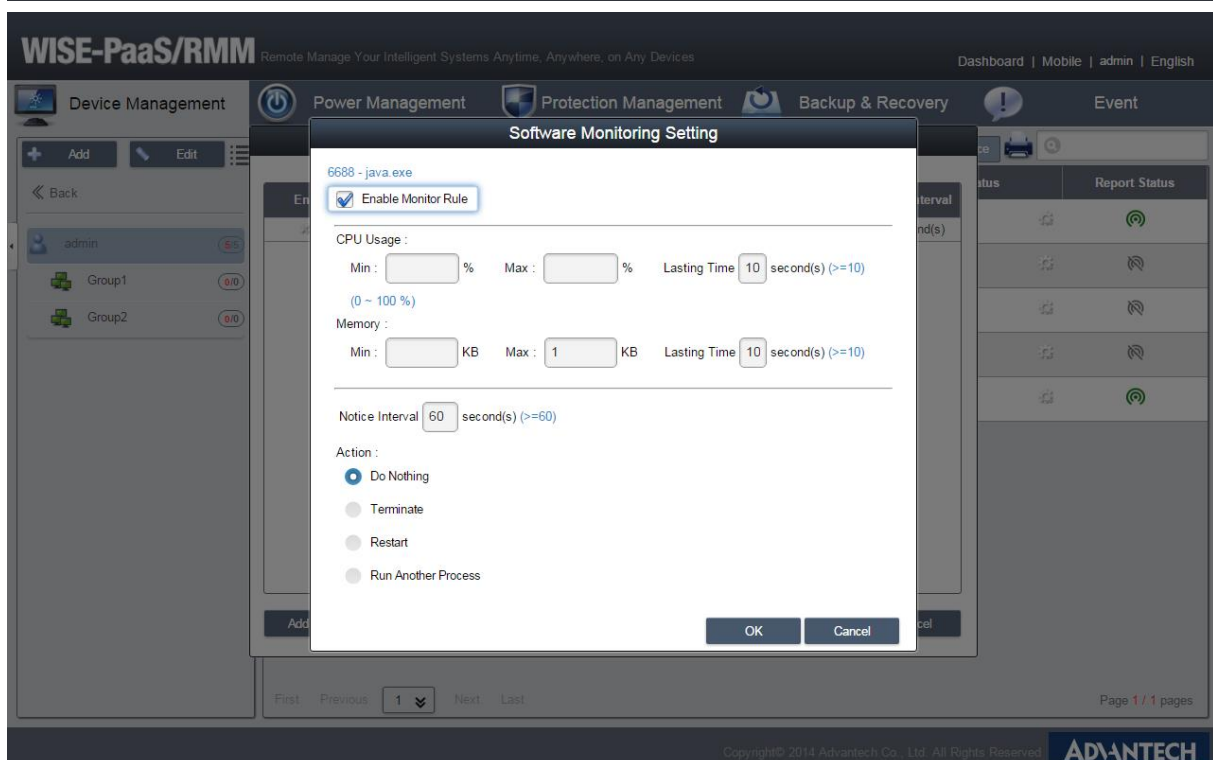
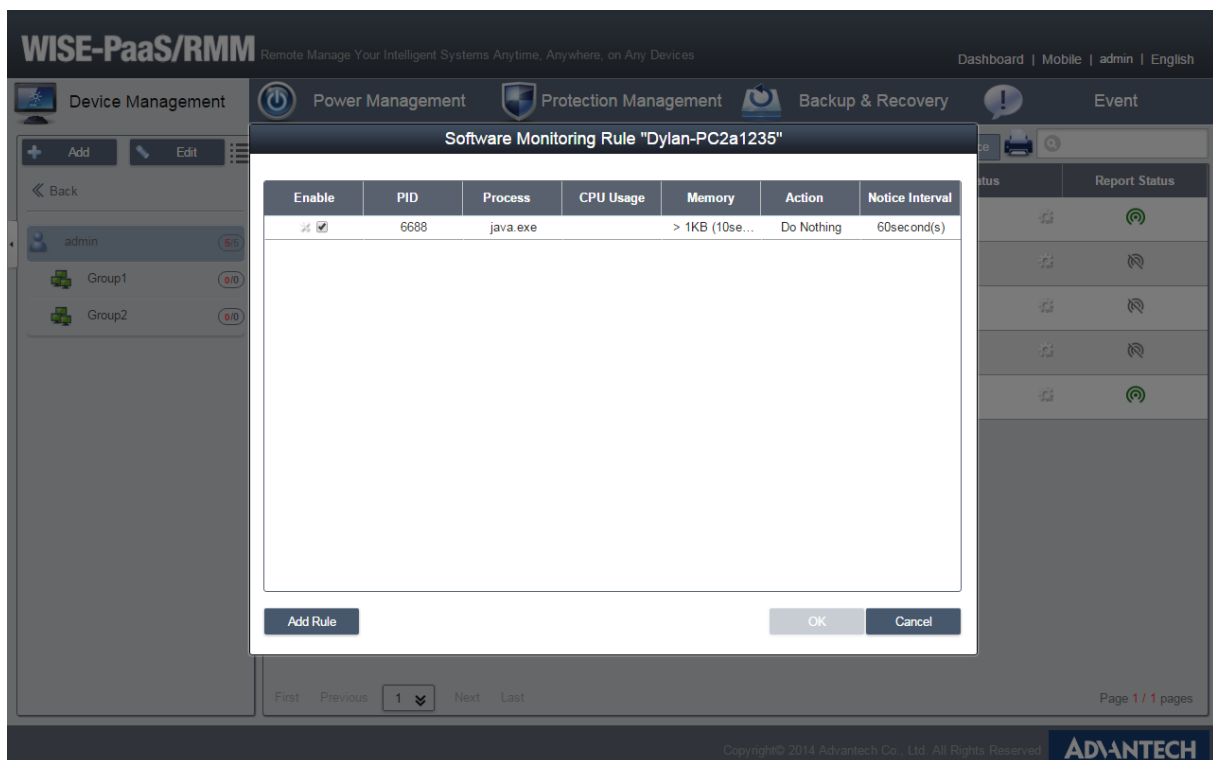
rule.

Note: Currently, Software monitoring can only monitor and execute actions for the user process.



● Edit Rules

Click on one of the fields to pop up the “Software Monitoring Setting” dialog for editing.



- **Delete Rules**

Click on the icon "X" on the left side of the schedule item to delete the schedule.

- **Enable/Disable Schedule**

Check the enable check box in the schedule row to enable/disable the schedule.

3.2.12. View Mode - Group Status List

Click the "Group" tab to list groups under the selected account or group node. The group List

shows all group names, group hardware status and group software status.

WISE-PaaS/RMM Remote Manage Your Intelligent Systems Anytime, Anywhere, on Any Devices

Dashboard | Mobile | admin | English

Device Management Power Management Protection Management Backup & Recovery Event

Map Group Device

Group Name	Hardware Status	Software Status
Group1	Register Devices : 1 , Error : 1	Register Devices : 1 , Error : 1
Group2	Register Devices : 0	Register Devices : 0

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- **Group Hardware Status**

This field shows the number of all registered devices and abnormal hardware devices under this group.

- **Group Software Status**

This field shows the number of all registered devices and abnormal software devices under this group.

3.2.13. Group Hardware Monitoring Rules

Click on the  icon on the right to of "Hardware status" field to pop up the dialog "Set Hardware Monitoring Rule". The dialog lists current monitoring rules and parameters of each group's devices including CPU, voltage, fan speed, HDD, etc.

WISE-PaaS/RMM Remote Manage Your Intelligent Systems Anytime, Anywhere, on Any Devices

Dashboard | Mobile | admin | English

Device Management | Power Management | Protection Management | Backup & Recovery | Event

Map | Group | Device

Group Name	Hardware Status	Software Status
Group1	Register Devices : 1 , Error : 1	Register Devices : 1 , Error : 1
Group2	Register Devices : 0	Register Devices : 0

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WISE-PaaS/RMM Remote Manage Your Intelligent Systems Anytime, Anywhere, on Any Devices

Dashboard | Mobile | admin | English

Device Management | Power Management | Protection Management | Backup & Recovery | Event

Hardware Monitoring Rule "Group1"

Enable	Type	Rule	Notice Interval

Add Rule OK Cancel

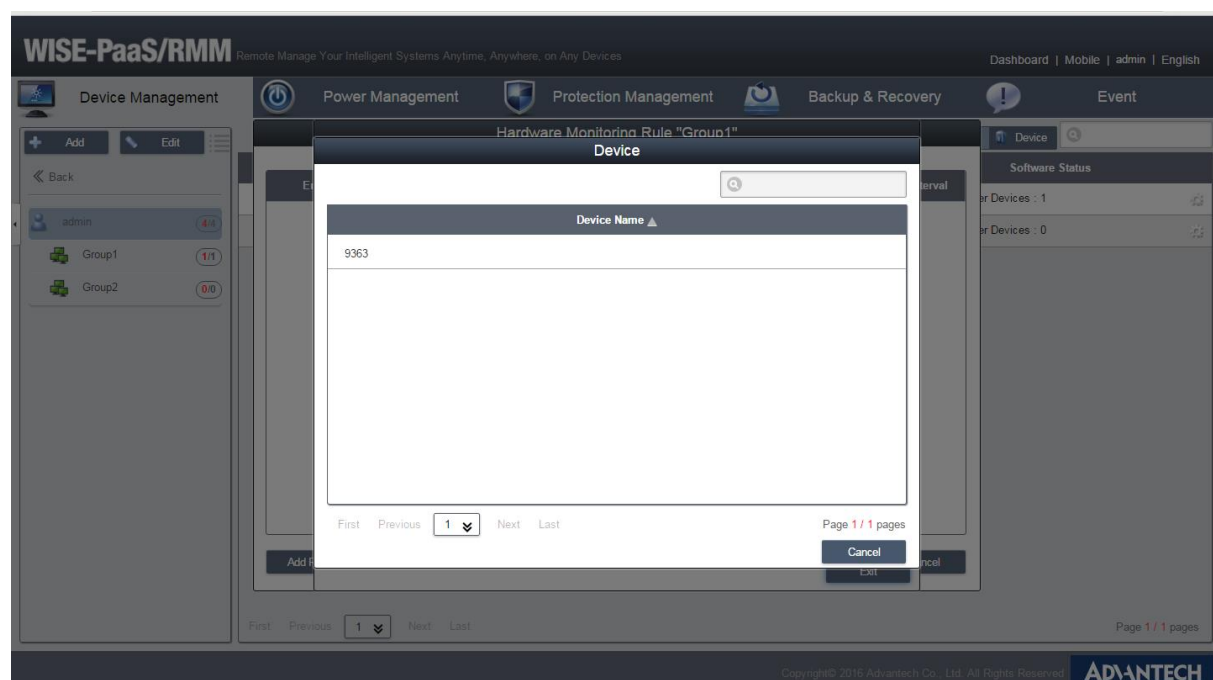
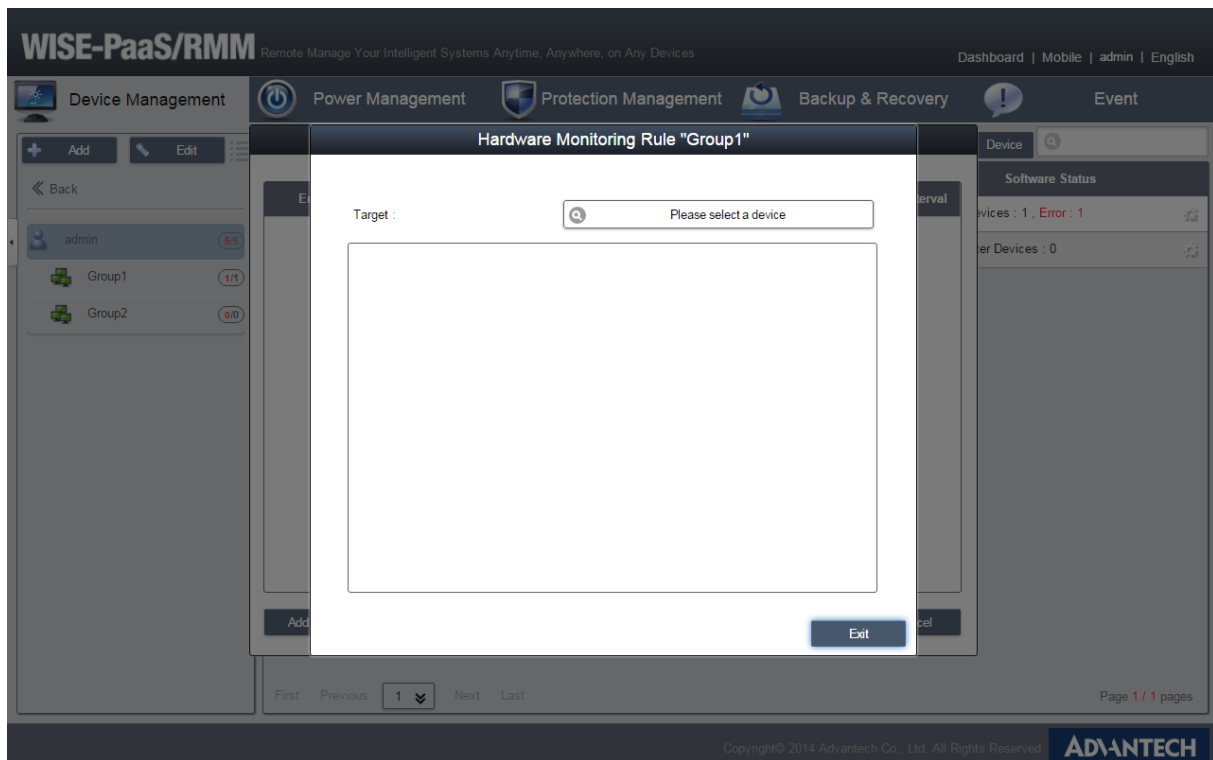
First Previous 1 Next Last Page 1 / 1 pages

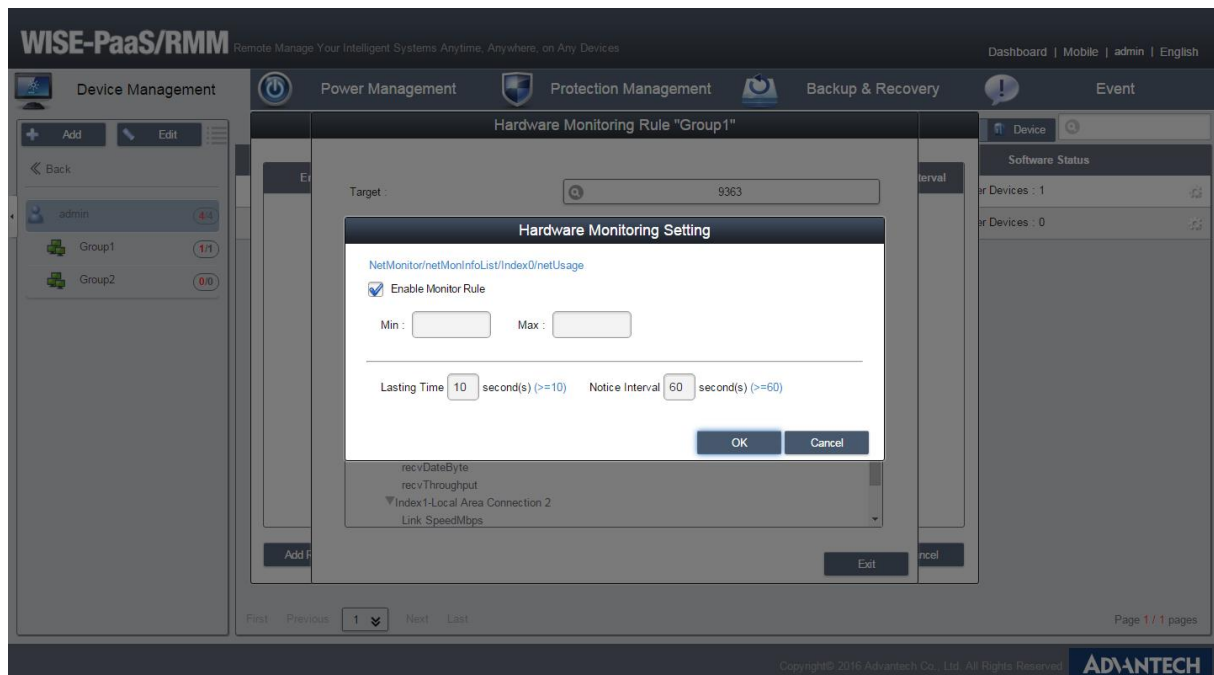
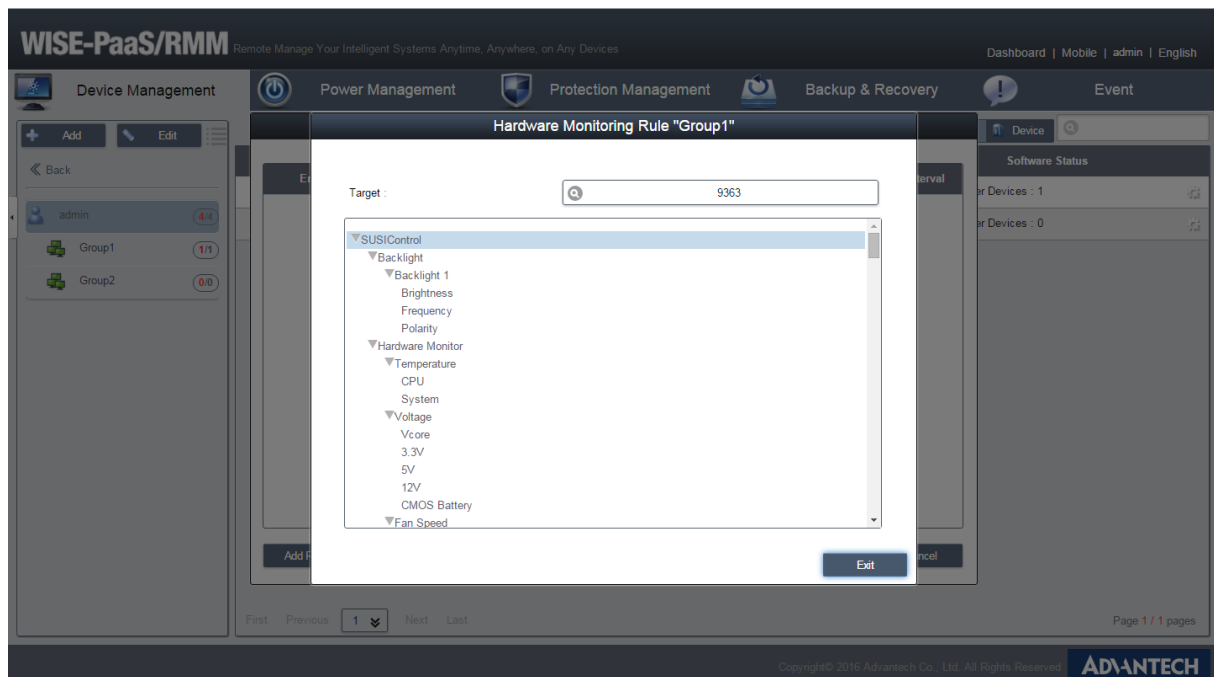
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● Add Group Rules

Click on the "Add Rule" button to add a new rule for hardware monitoring. First, select a device for base setting. Users can select the type of monitoring hardware from the device capability tree, input threshold values of corresponding parameter, last time in seconds of reaching the threshold, and notice interval for 2 contiguous events. Before clicking "OK" to add the rule, users can check the option "Enable Monitor Rule" to enable/disable this new

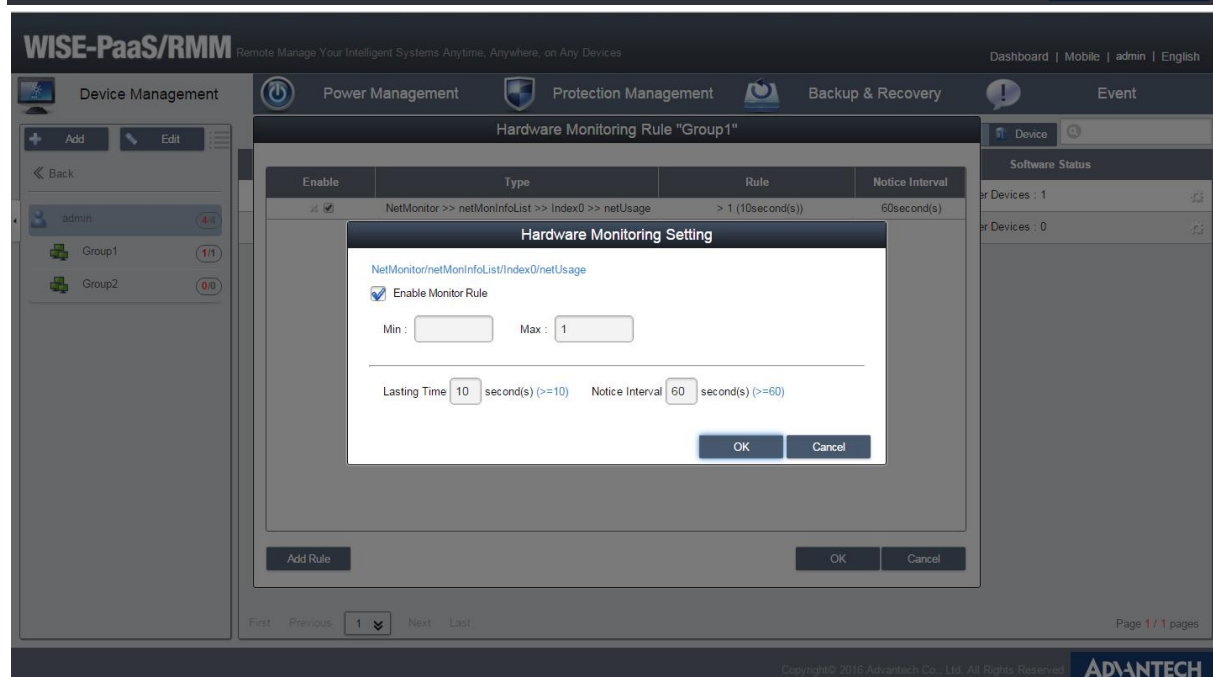
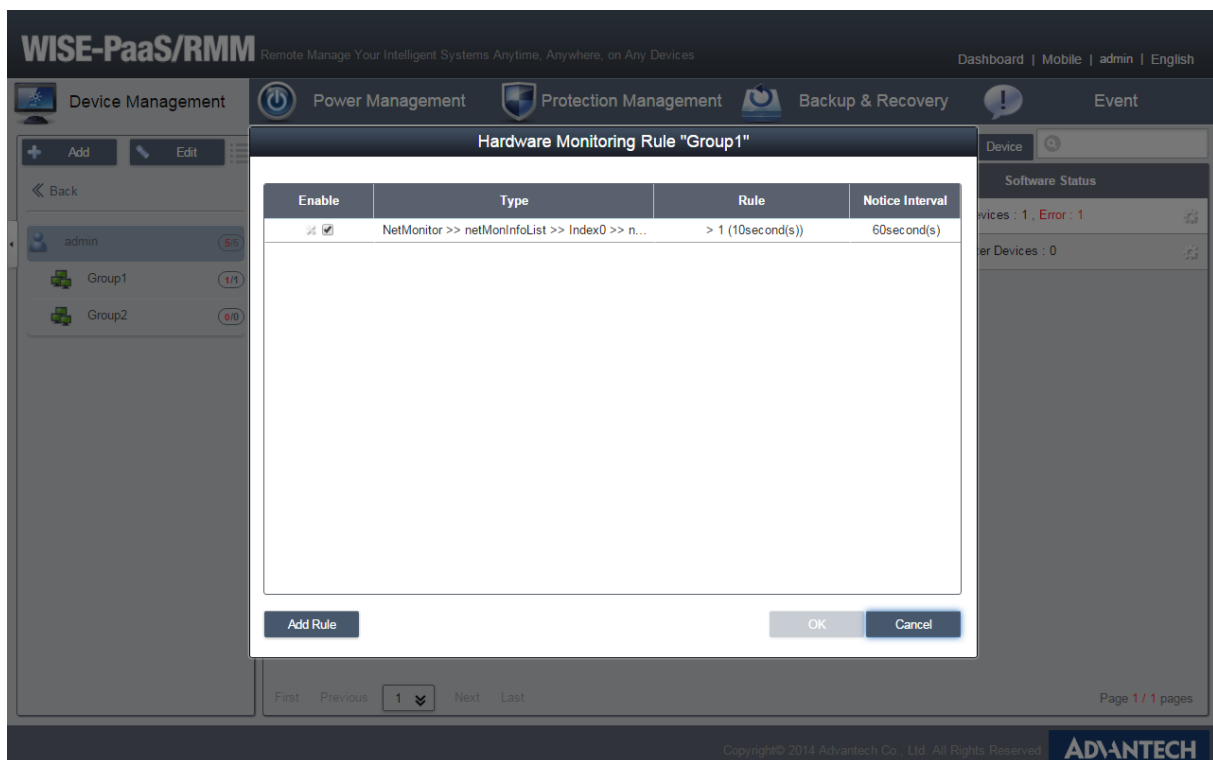
rule.






● Edit Group Rules

Click on the rule field to pop up the “Hardware Monitoring Setting” dialog for editing.



- **Delete Rules**
Click on the "X" icon on the left side of the scheduled item row to delete the schedule.
- **Enable/Disable Schedule**
Click the enable check box in the row item to enable/disable the schedule.

3.2.14. Group Software Monitor Rules

Click on the  icon in the field of group Software status to pop up the Set Software Monitoring Rule dialog box. The dialog lists current monitoring rules for software processes

of group devices.

WISE-PaaS/RMM Remote Manage Your Intelligent Systems Anytime, Anywhere, on Any Devices

Dashboard | Mobile | admin | English

Device Management

Power Management Protection Management Backup & Recovery Event

Map Group Device

Group Name	Hardware Status	Software Status
Group1	Register Devices : 1 , Error : 1	Register Devices : 1 , Error : 1
Group2	Register Devices : 0	Register Devices : 0

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Device Management

Power Management Protection Management Backup & Recovery Event

Map Group Device

Software Monitoring Rule "Group1"

Enable	PID	Process	CPU Usage	Memory	Action	Notice Interval
--------	-----	---------	-----------	--------	--------	-----------------

Add Rule OK Cancel

First Previous 1 Next Last Page 1 / 1 pages

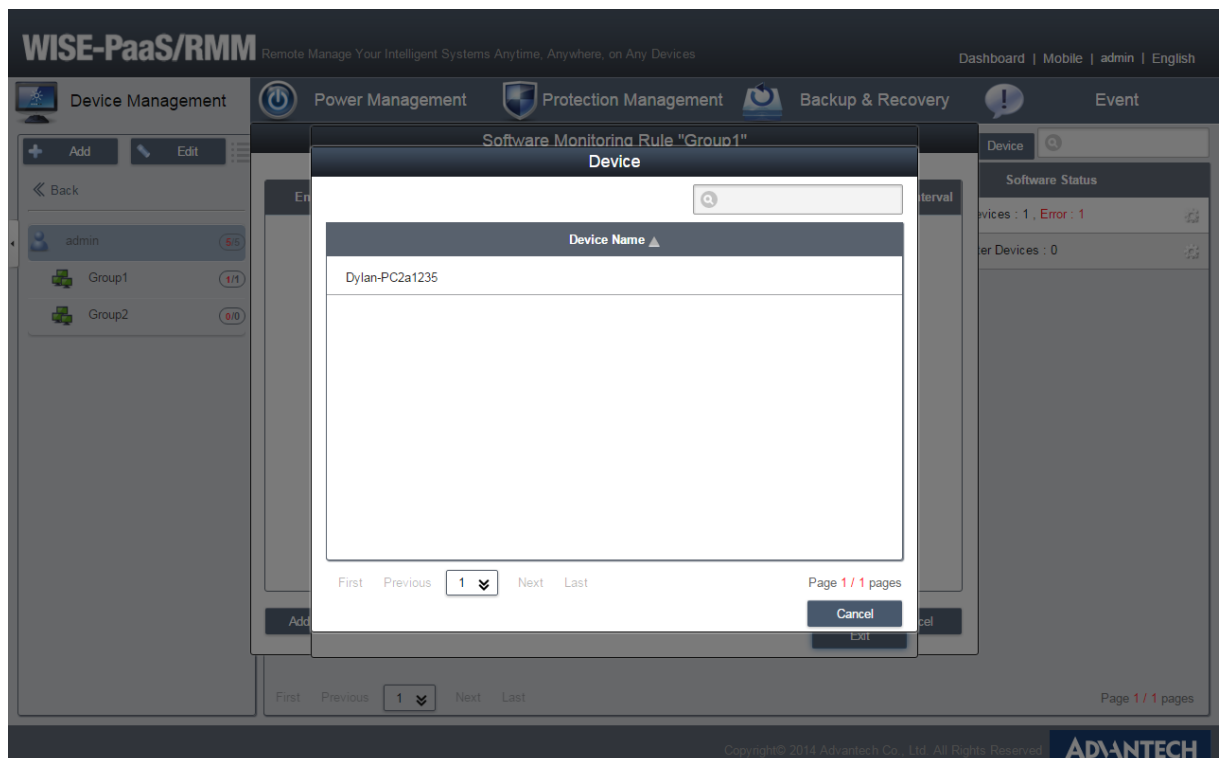
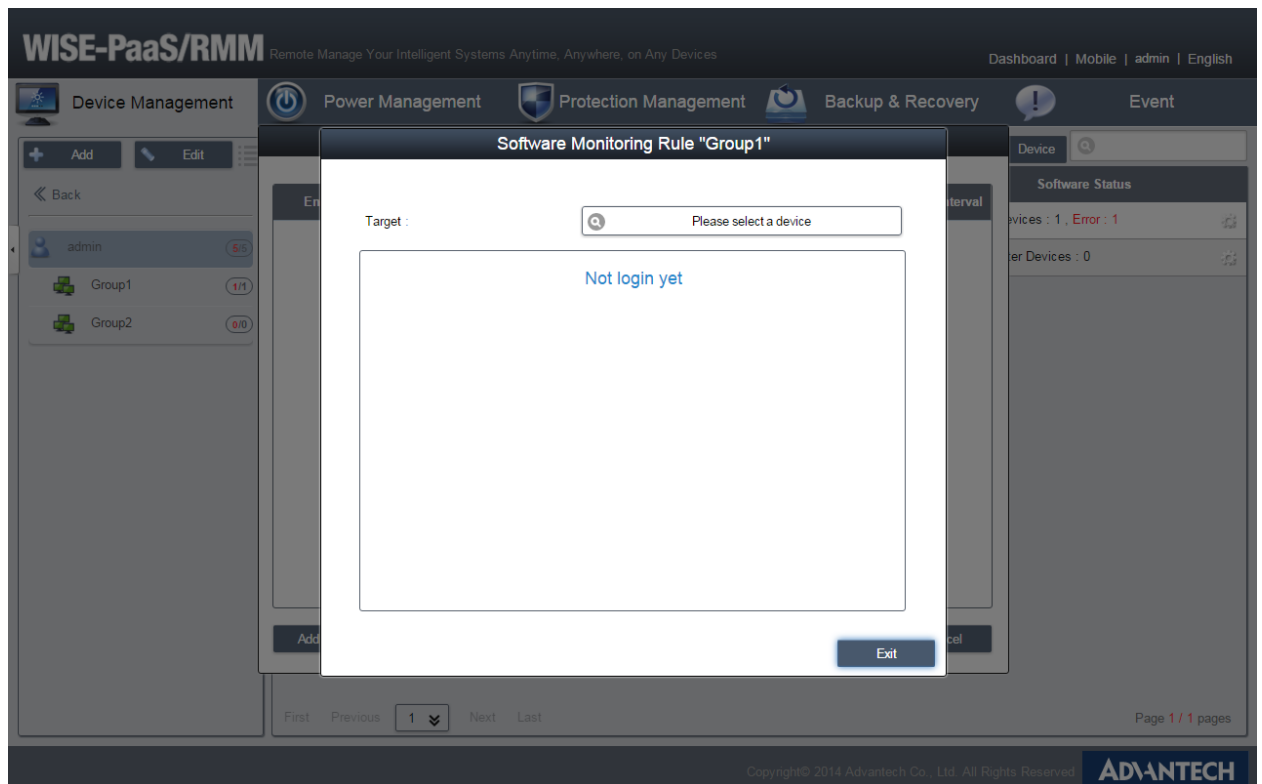
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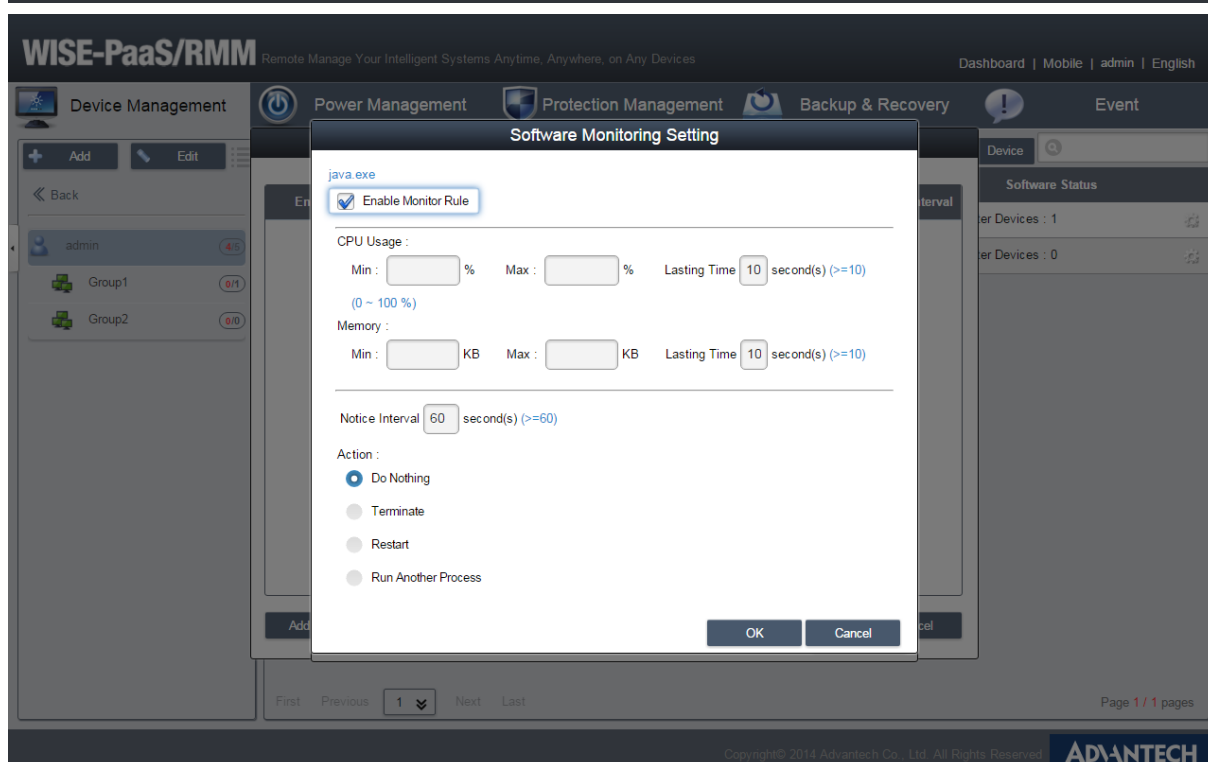
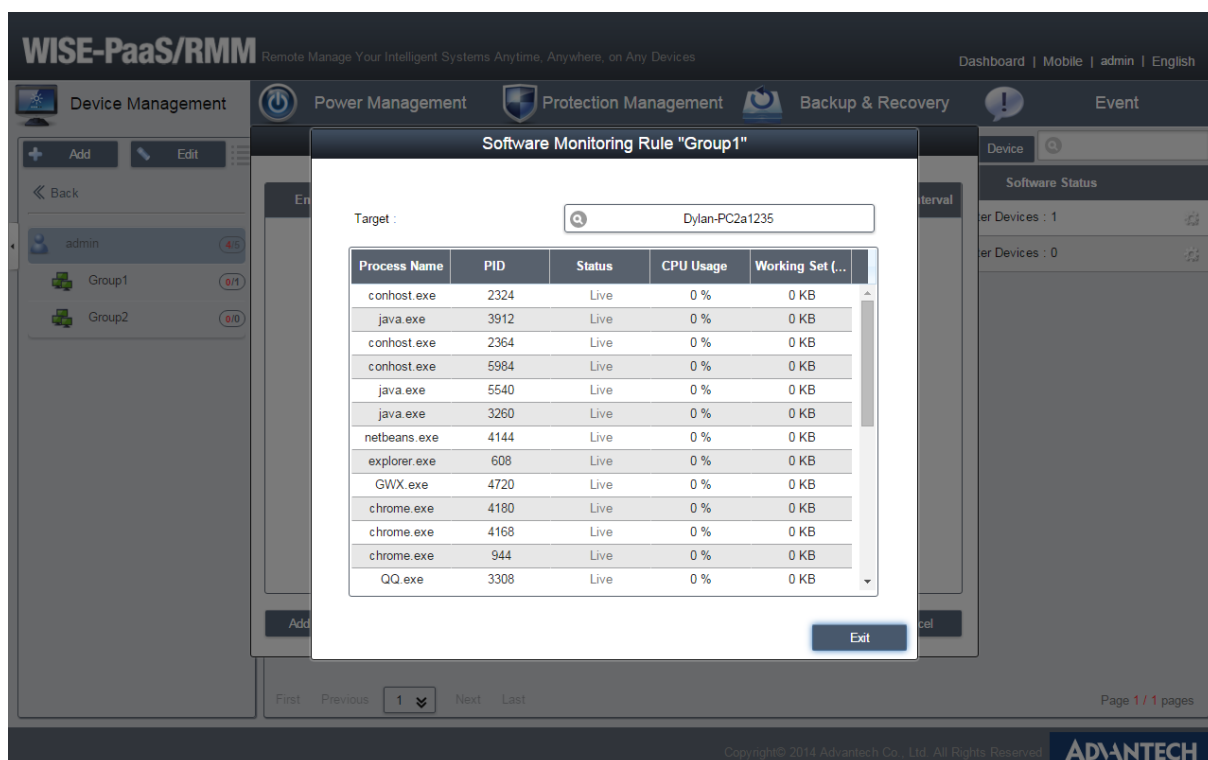
● Add Group Rules

Click on the button "Add Rule" to add a new rule for software monitoring. First, select a device for base setting. Users can select the process from current running list that they want to monitor, the threshold values of CPU and Memory, the last time of reaching threshold, notice interval of 2 contiguous events and corresponding action when hit the monitoring rule. Before click the button "OK" to add rule, users can check the option

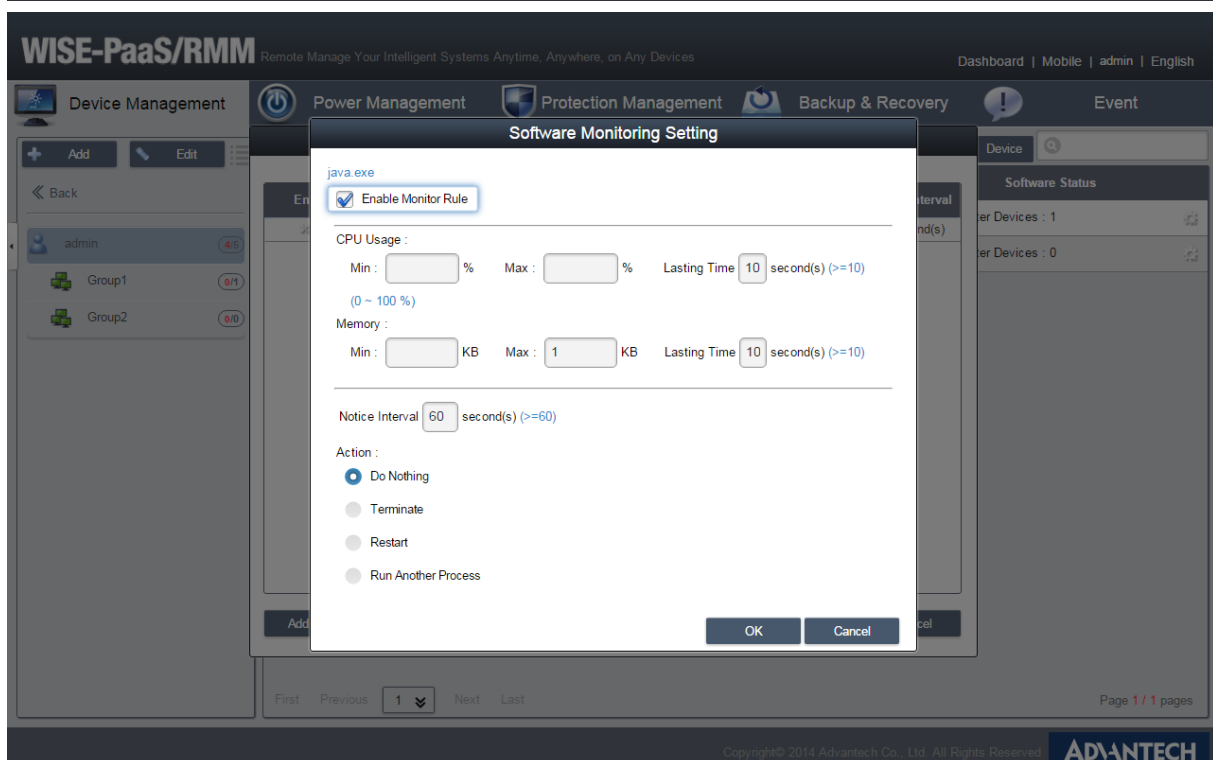
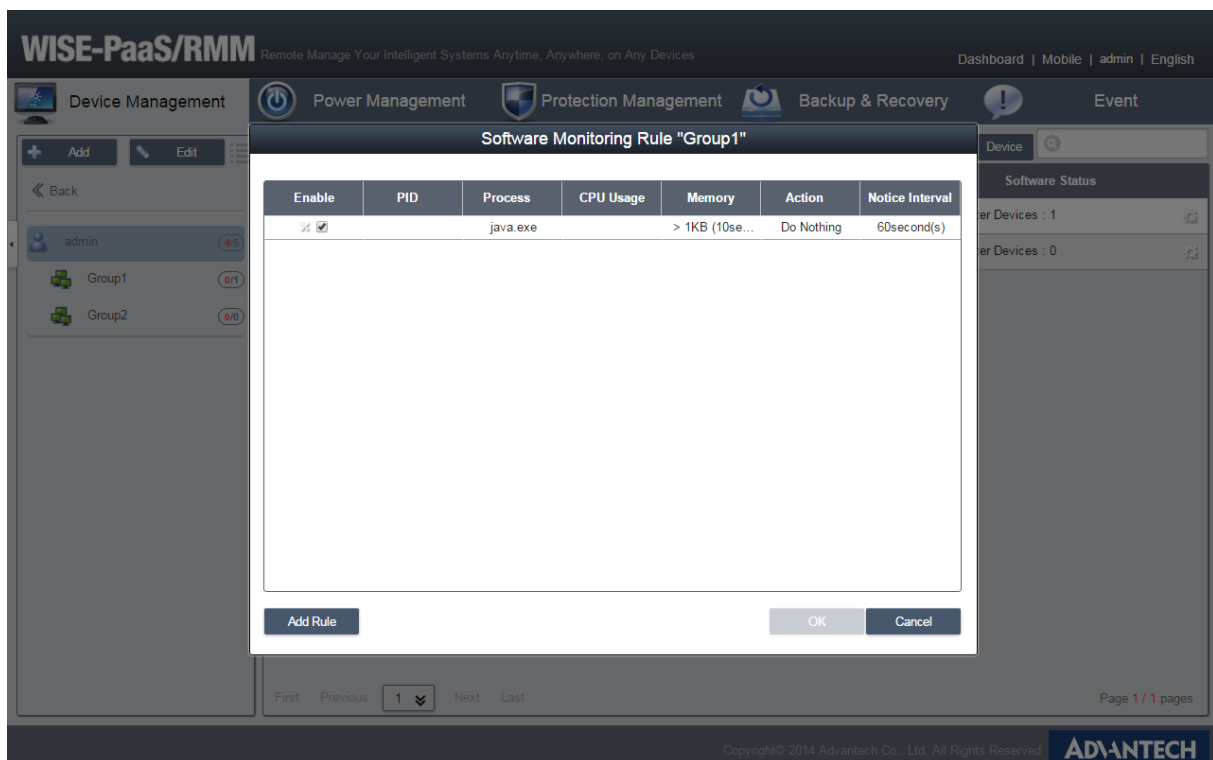
“Enable Monitor Rule” to enable/disable this new added rule.

Note: Currently, Software monitoring only can monitor and execute action for the user process.





- **Edit Group Rules**
Click on one of the fields of which rule items to pop up the dialog of “Hardware Monitoring Setting” for editing.



- **Delete Rules**

Click on the icon "X" next to the scheduled item to delete the schedule.

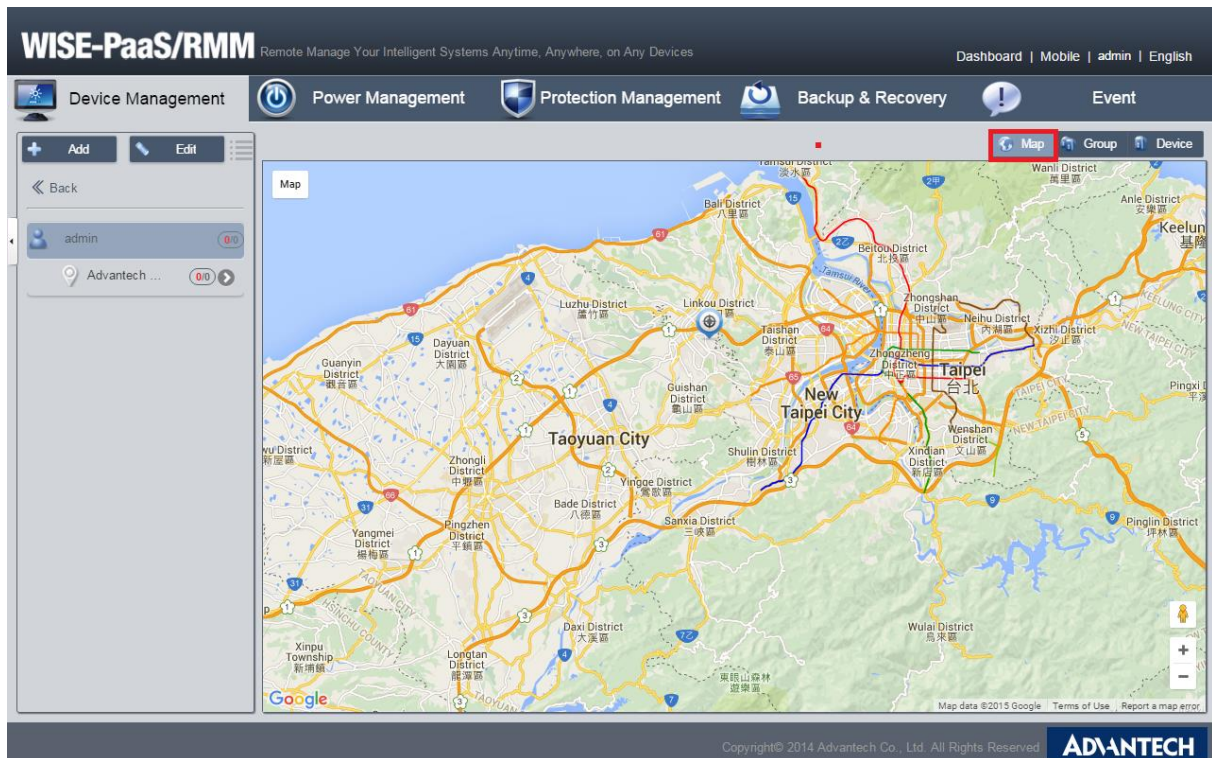
- **Enable/Disable Schedule**

Check the box next to the scheduled item to enable/disable the schedule.

3.2.15. View Mode - Device Map View

Device Map View visualize search physical device's location, separate user interface as

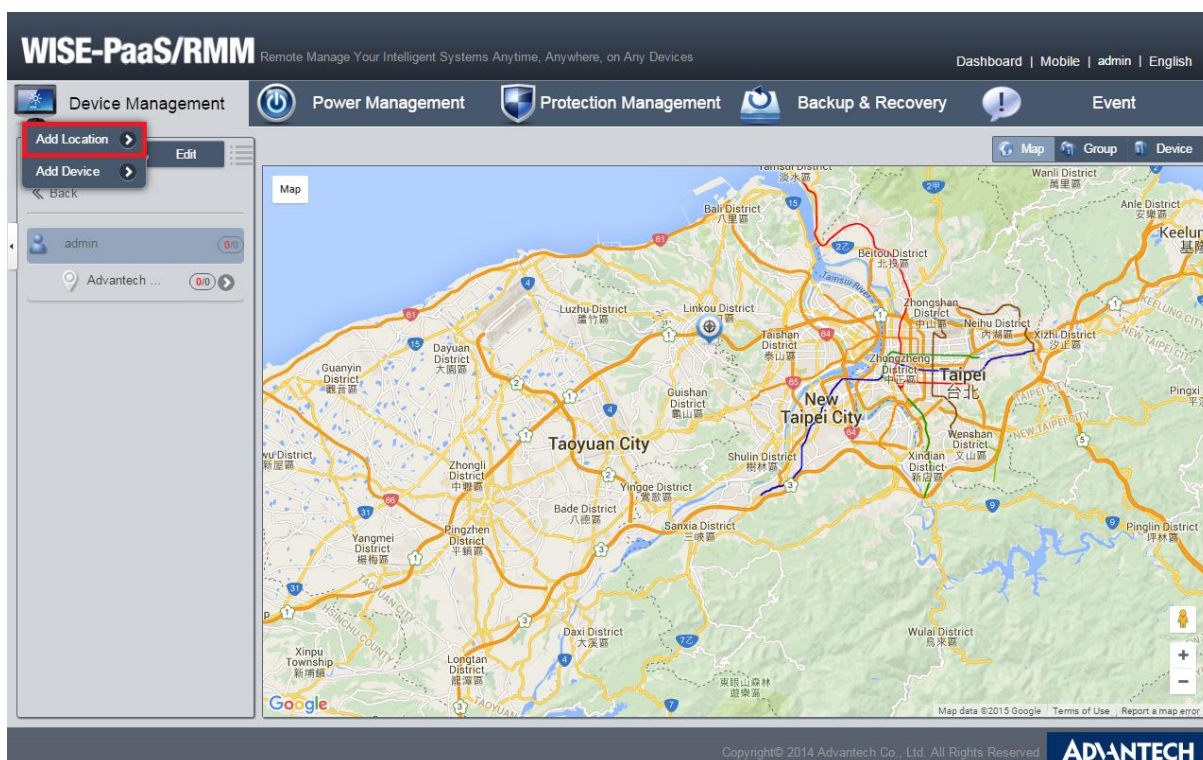
left-side map hierarchy tree includes account, location, layout and device node and right-side geography view includes online map and static image map. Different tree node support corresponding add, delete and edit operations and intuitive drag and drop device nodes as well.



3.2.16. Add/Delete/Edit Map Location

- **Add Location**


Select on one of account node and click “Add” button to add a new location.



Input location name, address or coordination (latitude and longitude), upload image for location displaying and click “OK” to add the new location.

Note: Map view supports Both Google and Baidu online map. This two map adopts different coordination-system, users must input correct coordination according to online map selection (users can configure in the System Settings). If users doesn't specify either address field or coordination, system will auto location this new added location at the center of current map view.

Add Location



Name :

Address :

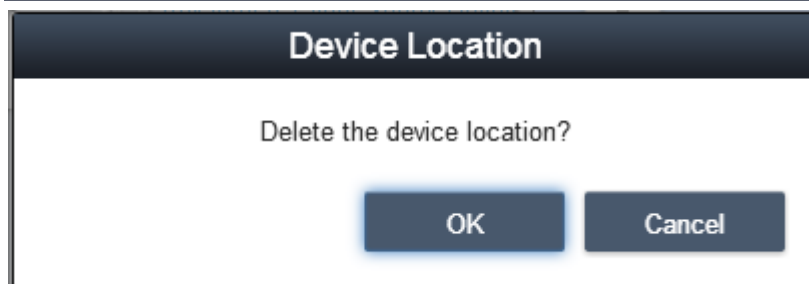
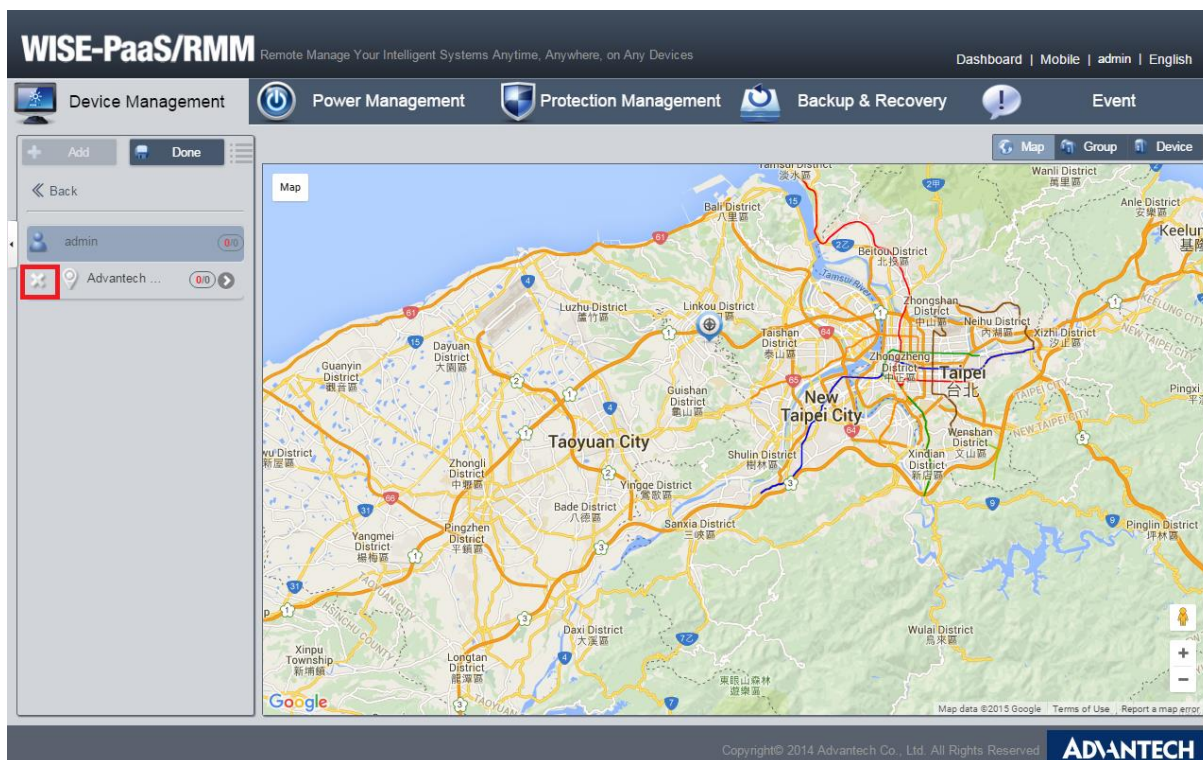
Latitude :

Longitude :

● Delete Location

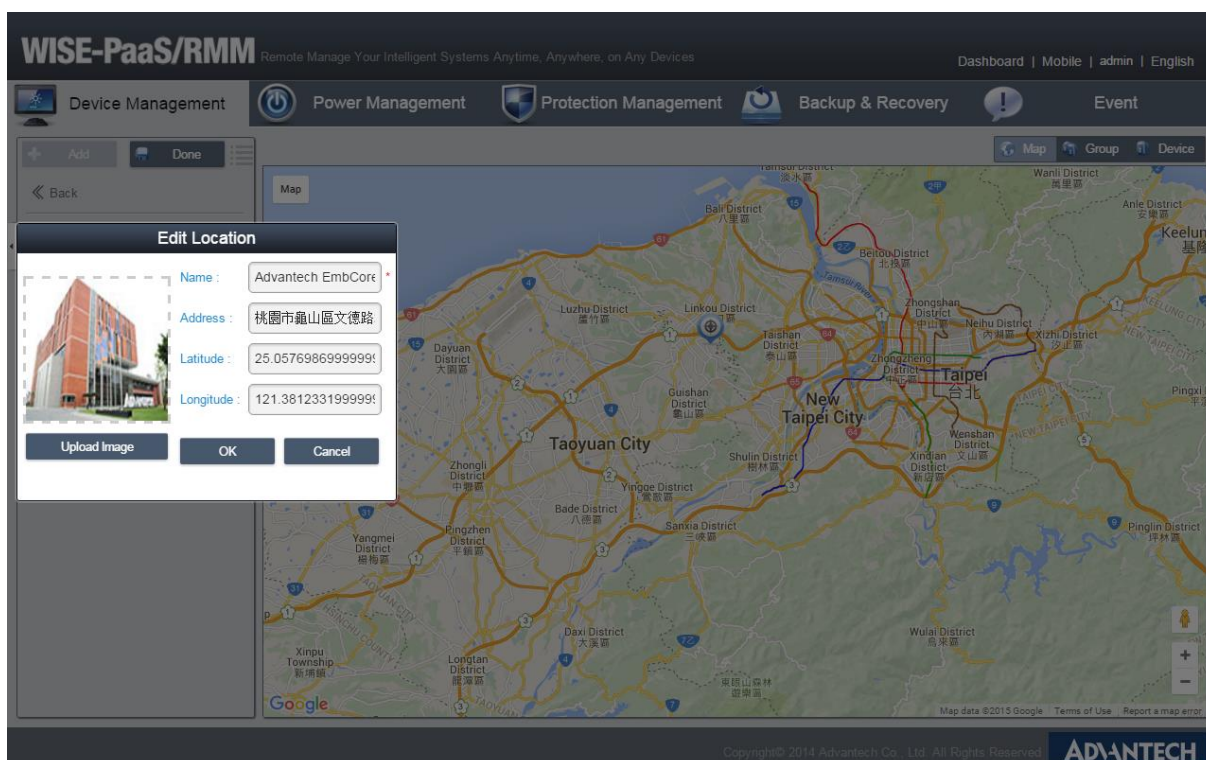
Click “Edit” button to switch to edit mode, click “X” icon ahead of selected location node to delete this location.

Note: Remove location would remove layouts under itself. If there are devices under selected location node or his layouts, users must remove these devices first before removing location node.



● Edit Location

Click “Edit” button to switch to edit mode, click the location node/name to pop up the dialog of “Edit Location” to edit the content.

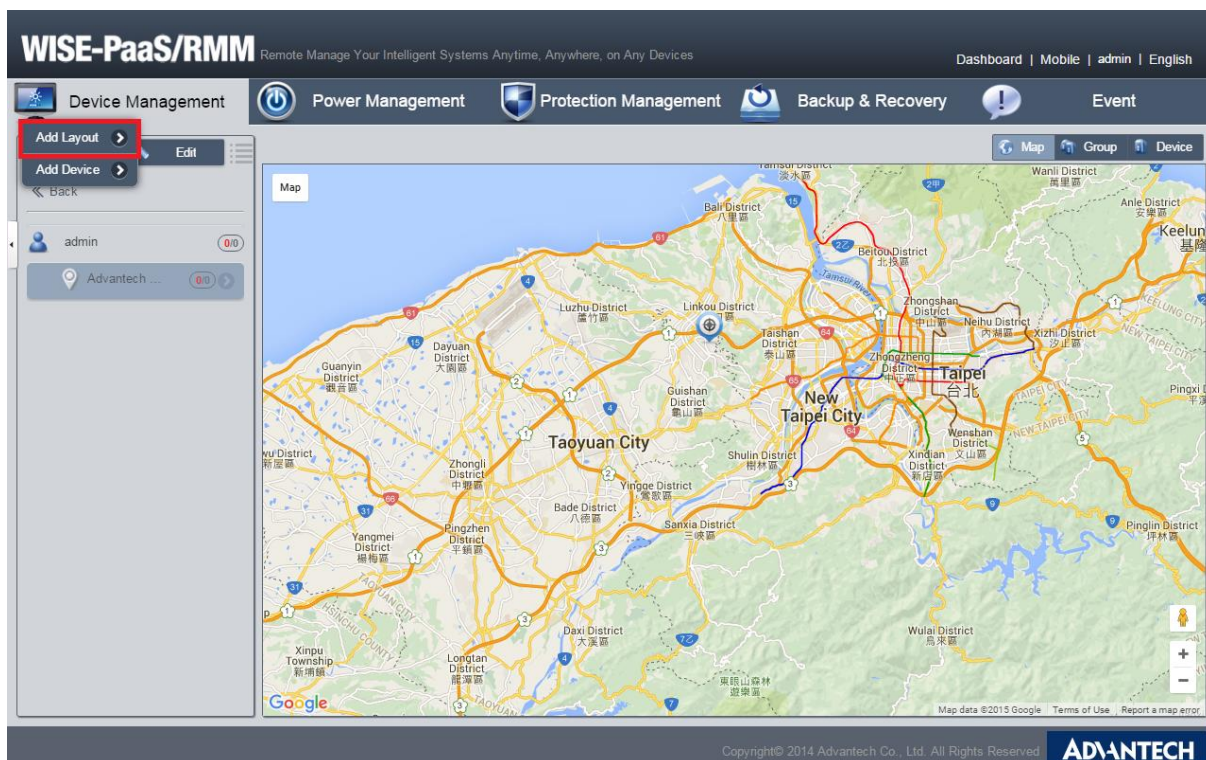


Under this mode, users also can drag and drop the location icon on the right-side map view to relocate location.

3.2.17. Add/Delete/Edit Map Layout

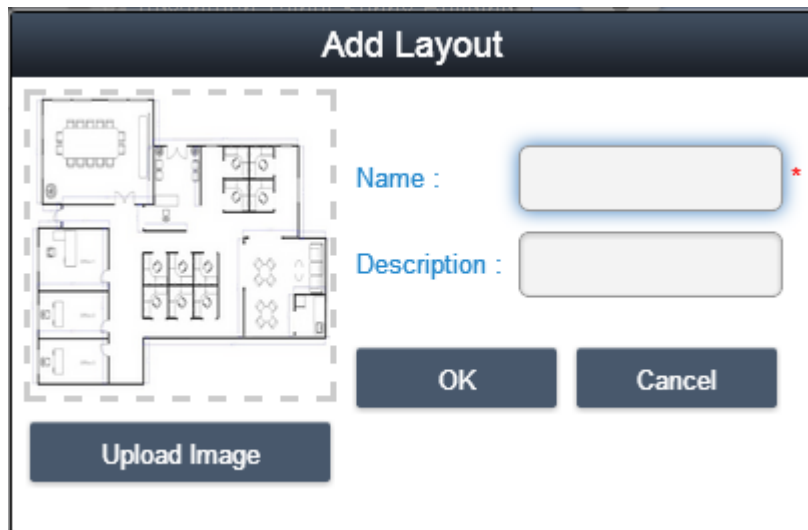
● Add Layout

Select on one of location node and click “Add” button to add a new layout.



Input layout name and description, upload image for location displaying and click “OK” to

add the new layout.

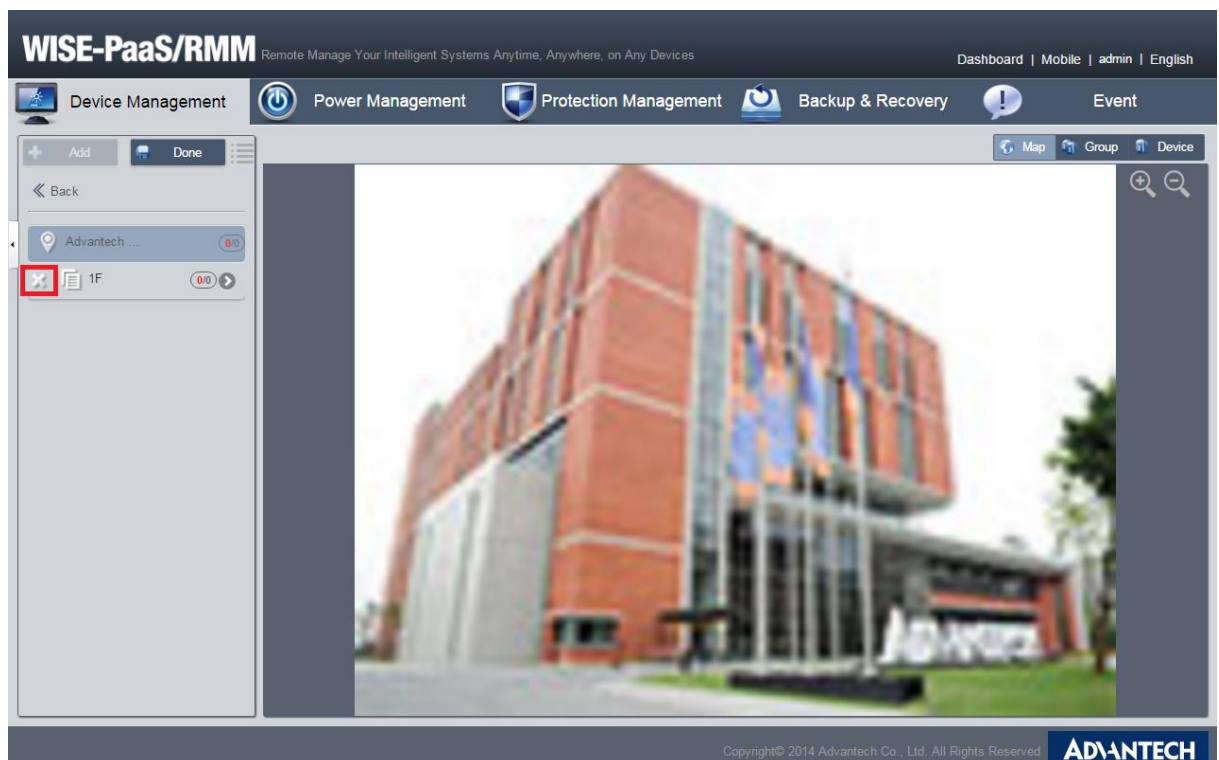


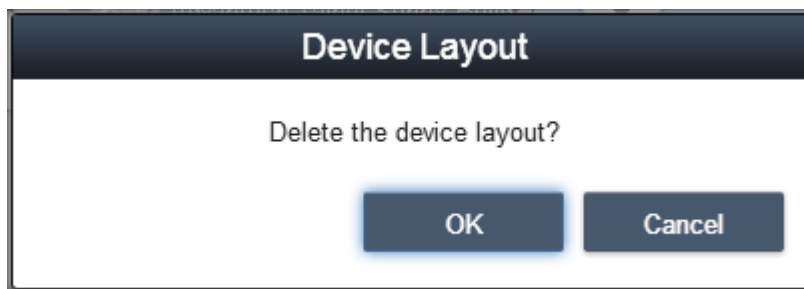
The 'Add Layout' dialog box features a dark blue header with the title 'Add Layout'. On the left, there is a dashed rectangular box containing a floor plan image. Below this box is a dark blue button labeled 'Upload Image'. To the right of the floor plan, there are two text input fields. The first is labeled 'Name :' in blue text and has a red asterisk to its right. The second is labeled 'Description :' in blue text. Below these fields are two dark blue buttons: 'OK' and 'Cancel'.

- **Delete Layout**

Click "Edit" button to switch to edit mode, click "X" icon ahead of selected layout node to delete this layout.

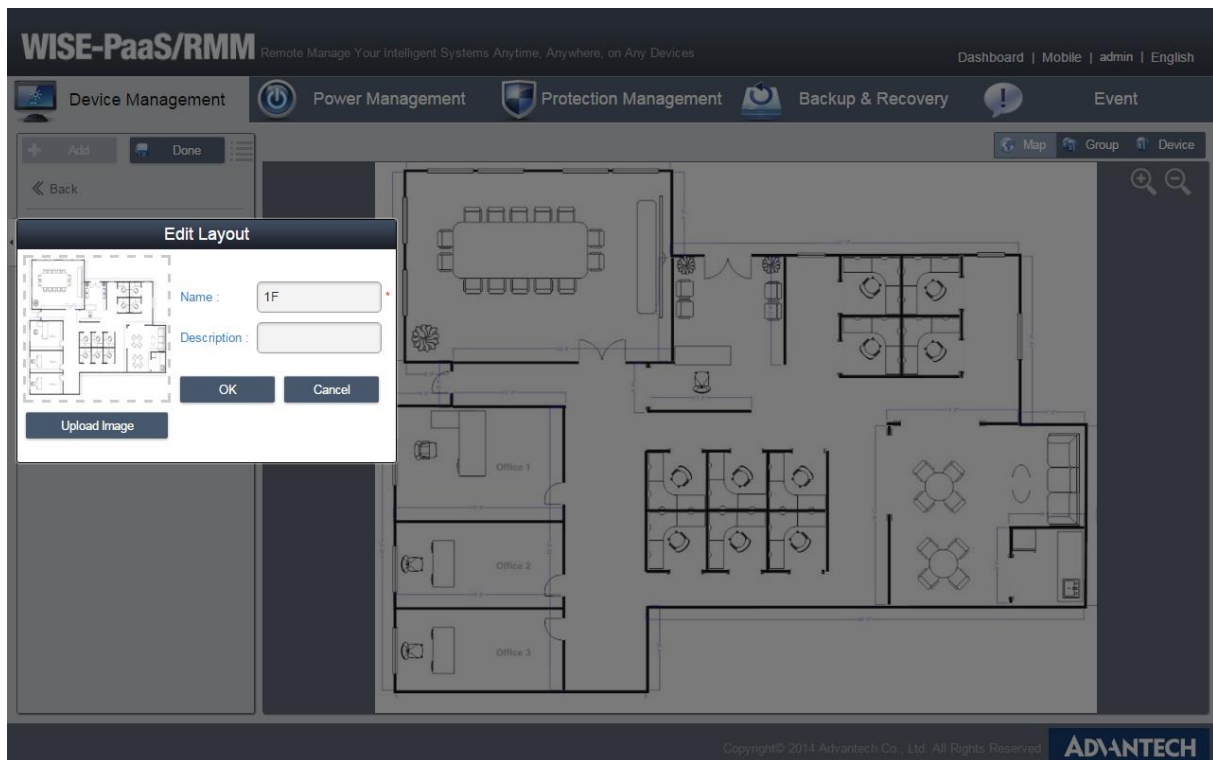
Note: If there are devices under selected layout node, users must remove these nodes first before removing layout node.





- **Edit Layout**

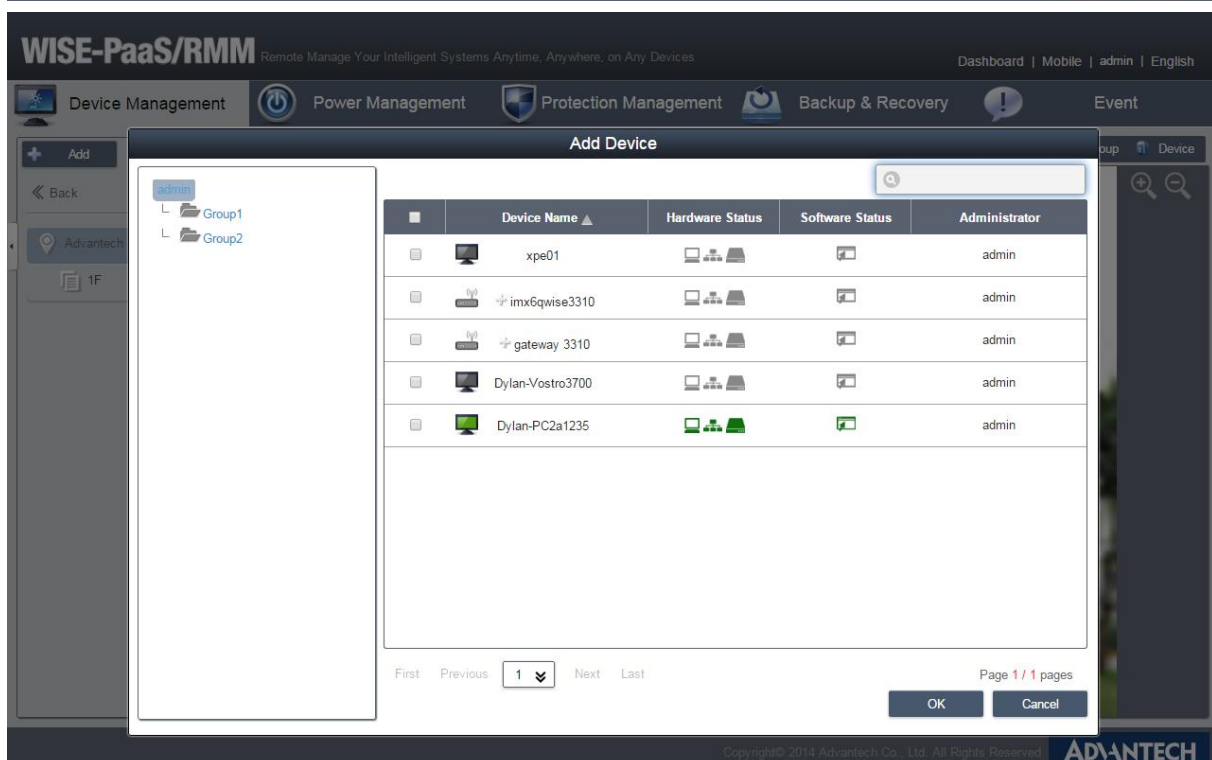
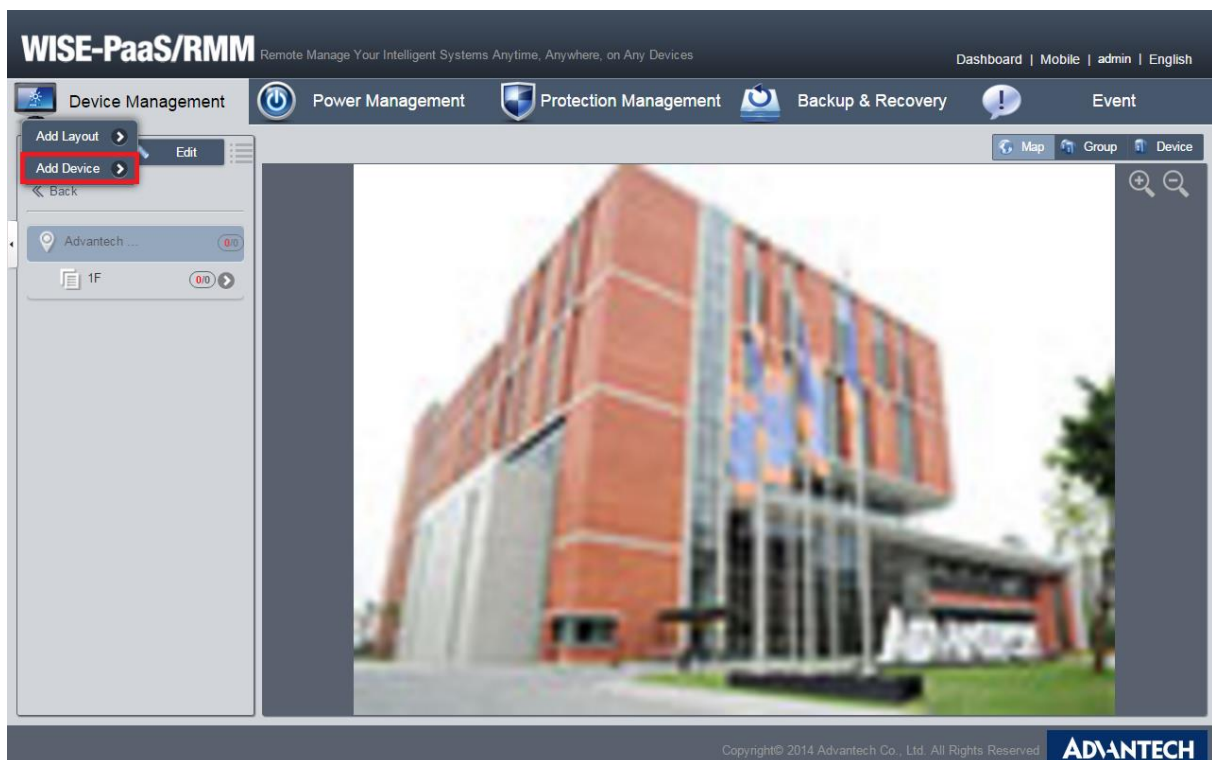
Click “Edit” button to switch to edit mode, click the location node/name to pop up the dialog of “Edit Location” to edit the content.



3.2.18. Add/Delete/Edit Map Device

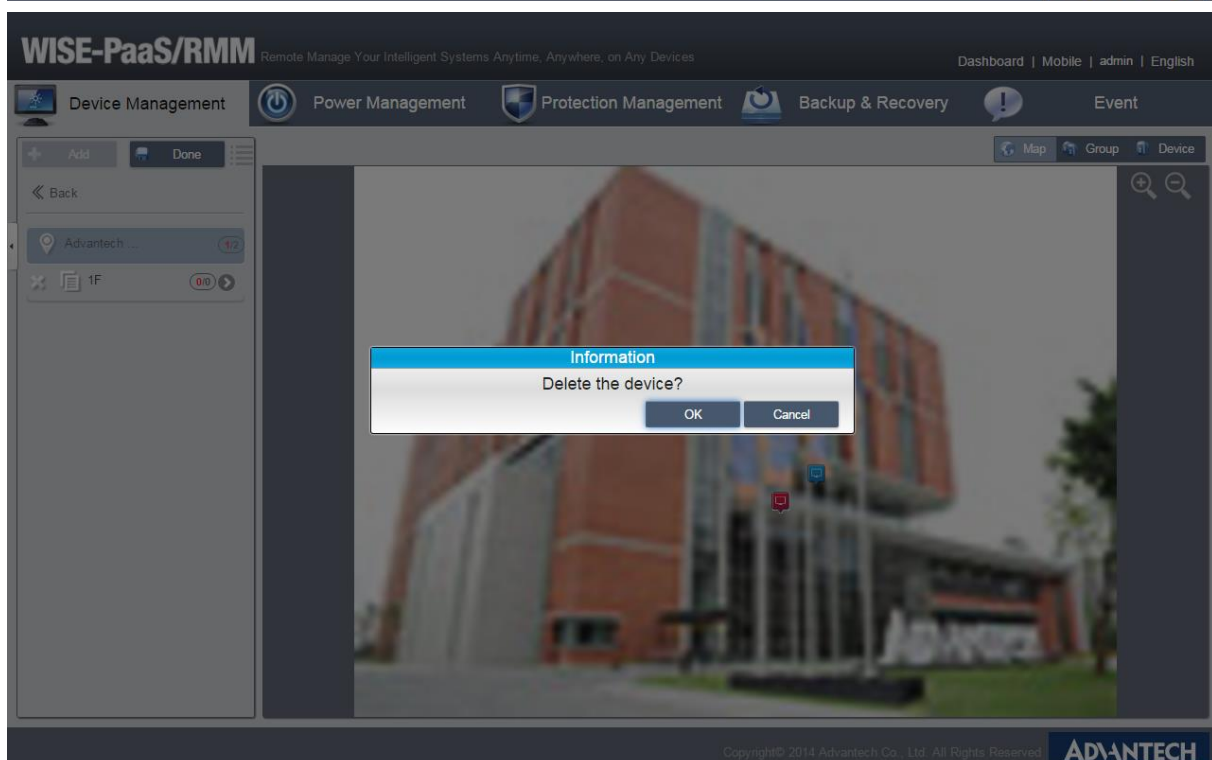
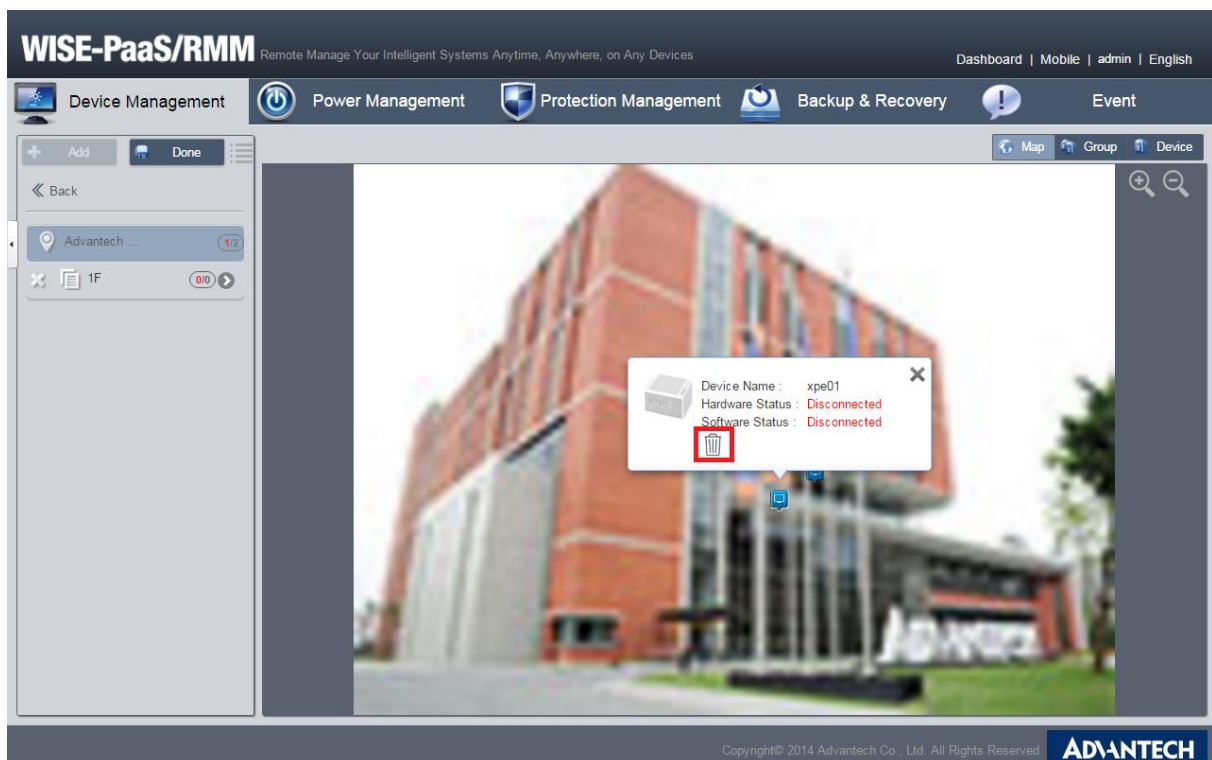
- **Add Device**

Select on one of account, location or layout node and click “Add” button to add a new device. New added devices will be default located at the center of online or static image map.



● Delete device

Click device icon on map which you want delete and click recycle bin icon under the popup window to delete this device.



● Edit Device

Click “Edit” button to switch to edit mode, drag and drop the device icon on the right-side map view to relocate device.

3.3. Power Management

3.3.1. Power Status List

- Select All/Connected/Disconnected to quickly filter out devices.
- Click Group/Device to switch view mode.
- Input keyword to search devices.

The screenshot displays the susiAccess web interface. The top navigation bar includes the susiAccess logo, the tagline 'Remote Manage Your Intelligent Systems Anytime, Anywhere, on Any Devices', and user information (Mobile | admin | English). The main interface is divided into a sidebar and a main content area. The sidebar contains a tree view of the network structure, including a Root Server, an admin user (6/9), a Gateway (0/0), a Group1 (0/1), an IPC (4/5), a SensorNode (0/0), a Demo (0/0), an admin1 (0/0), and a device with IP 172.22.12.195. The main content area shows a table of devices under the 'Device: Power' filter. The table has columns for Device Name, Next Schedule Action, Next Schedule Time, and Actions. A dropdown menu is open for the 'Enviroment' device, showing options like Power Off, Reboot, and Hibernate. The table also includes a 'Group' button and a search bar. The footer contains the copyright notice 'Copyright© 2014 Advantech Co., Ltd. All Rights Reserved' and the Advantech logo.

Device Name	Next Schedule Action	Next Schedule Time	Actions
Enviroment	N/A	N/A	Operation
FAN 1	N/A	N/A	Operation
FAN 2	N/A	N/A	Operation
Room1	N/A	N/A	Operation
Room1	N/A	N/A	Operation
Room1	N/A	N/A	Operation
SAClientSam...	N/A	N/A	Operation
Usonic	N/A	N/A	Operation

3.3.2. Power Control (WoL)

● Power On State

Select the action from drop-down menu of each device/group list item to power off, reboot and hibernate device.

WISE-PaaS/RMM Remote Manage Your Intelligent Systems Anytime, Anywhere, on Any Devices

Dashboard | Mobile | admin | English

Device Management Power Management Protection Management Backup & Recovery Event

All Connected Disconnected

Device Name	Next Schedule Action	Next Schedule Time	Actions
✓ Dylan-Vostro3700	N/A	N/A	Operation Power Off Reboot Hibernate Sleep

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● Power Off State

Select the action from drop-down menu of each device/group list item to power on device.

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Dashboard | Mobile | admin | English

Device Management Power Management Protection Management Backup & Recovery Event


All Connected Disconnected

Device Name	Next Schedule Action	Next Schedule Time	Actions
✓ Dylan-PC2a1235	N/A	N/A	Operation
! gateway 3310	N/A	N/A	Operation
! imx6qwise3310	N/A	N/A	Operation
! xpe01	N/A	N/A	Operation Power On

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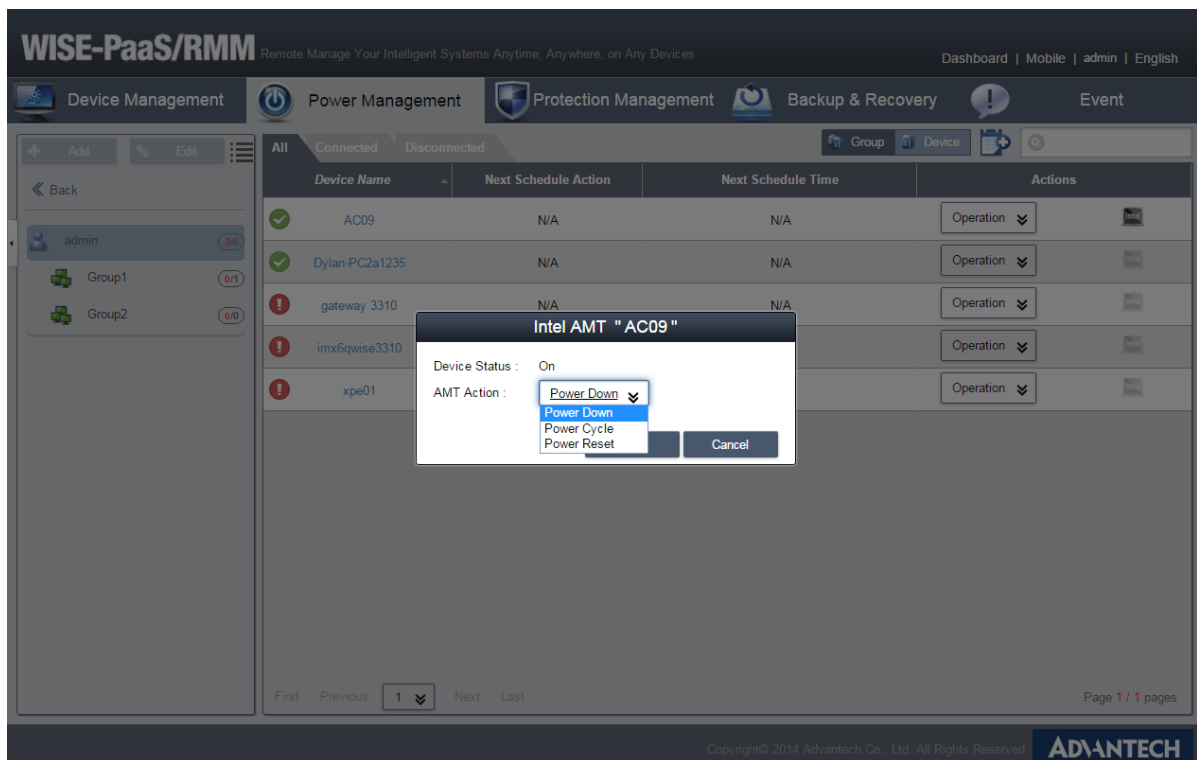
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3.3.3. Power Control (Intel AMT)

If device supports Intel AMT, click on the icon  of each device/group list item to pop up the dialog of Intel AMT for advanced operations.

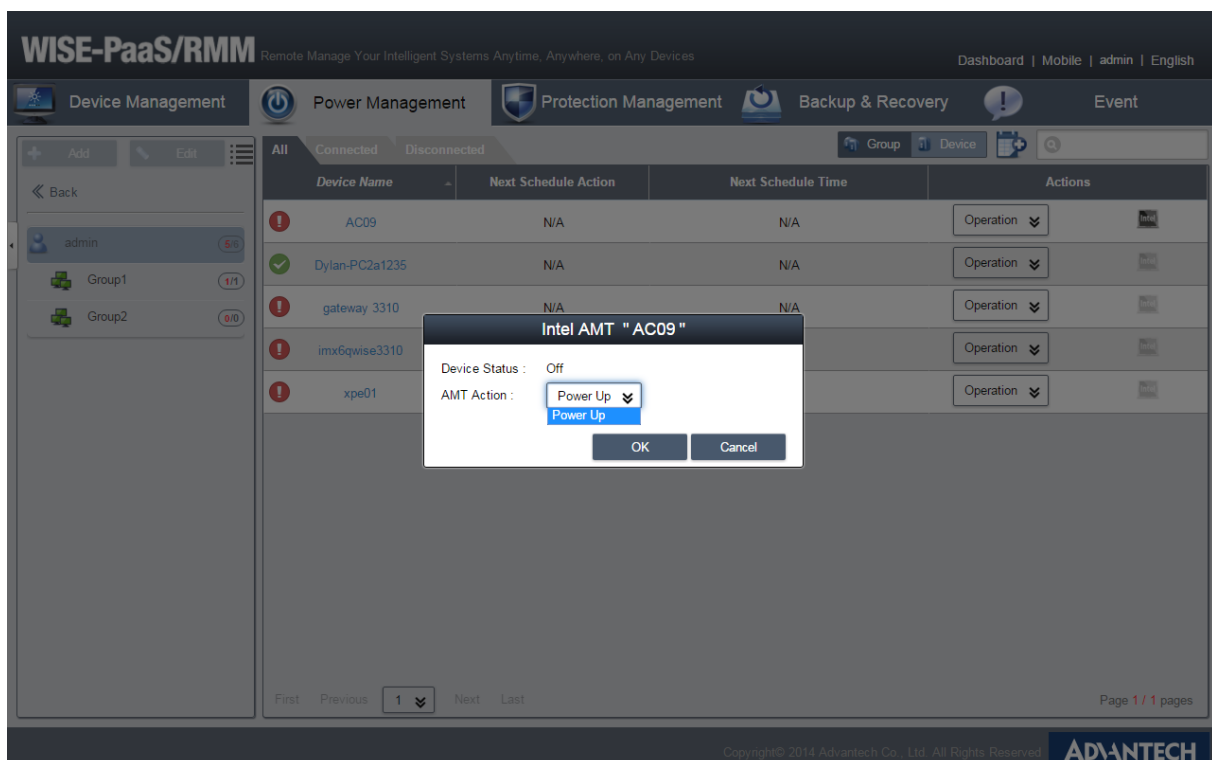
● Power On State

Select action from drop-down menu to power down, power cycle or power reset device/group.



● Power Off State

Select action from drop-down menu to power up device/group.



3.3.4. Add/Delete/Edit Power Schedule

Click on device/group name to pop up the dialog of schedule management.

Note: In Group view, the schedule information of group only list group schedules. In Device view, the schedule information of device will list both device schedules and group schedule that device belong to, but group schedule cannot be edited in this view mode.

WISE-PaaS/RMM Remote Manage Your Intelligent Systems Anytime, Anywhere, on Any Devices

Dashboard | Mobile | admin | English

Device Management | Power Management | Protection Management | Backup & Recovery | Event

Back

admin

Group1

Group2

Schedule information of "AC09"

Enable	Trigger Time	Actions	Repeat Every
<input checked="" type="checkbox"/>	08:00	Power On	Daily
<input checked="" type="checkbox"/>	22:00	Power Off	Daily


Add schedule Exit

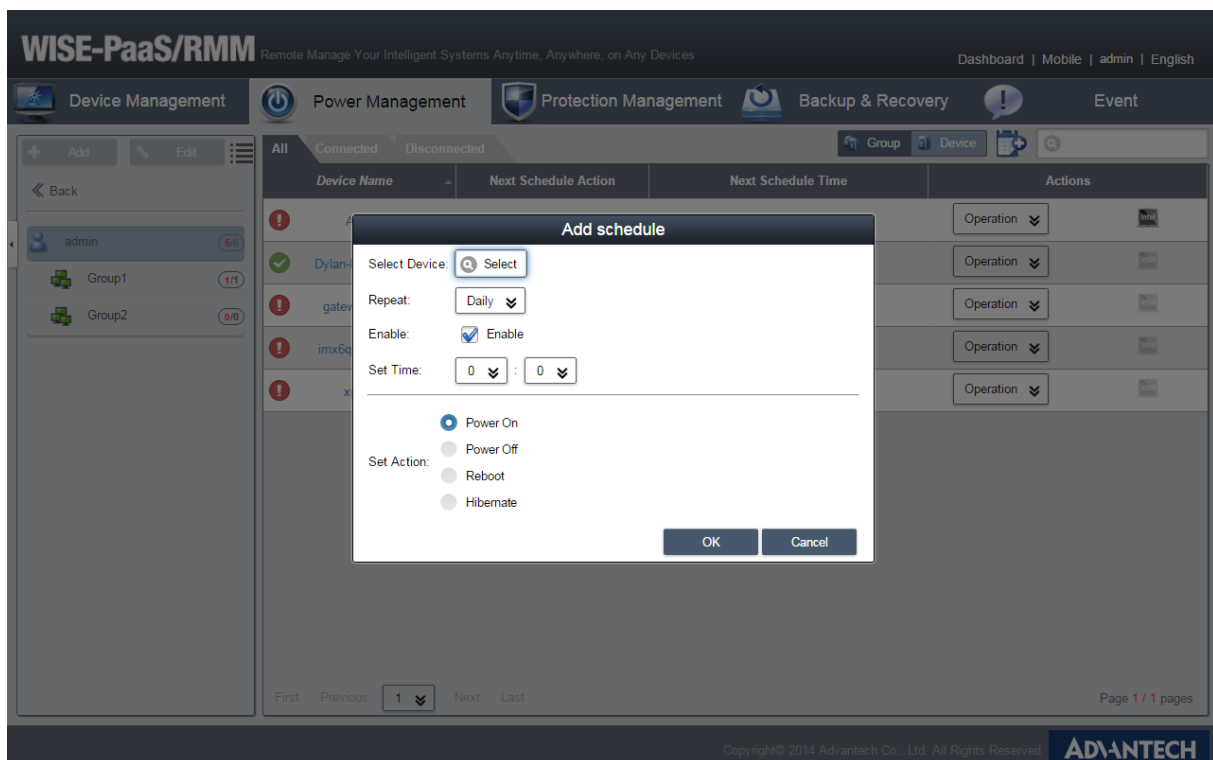
First Previous 1 Next Last

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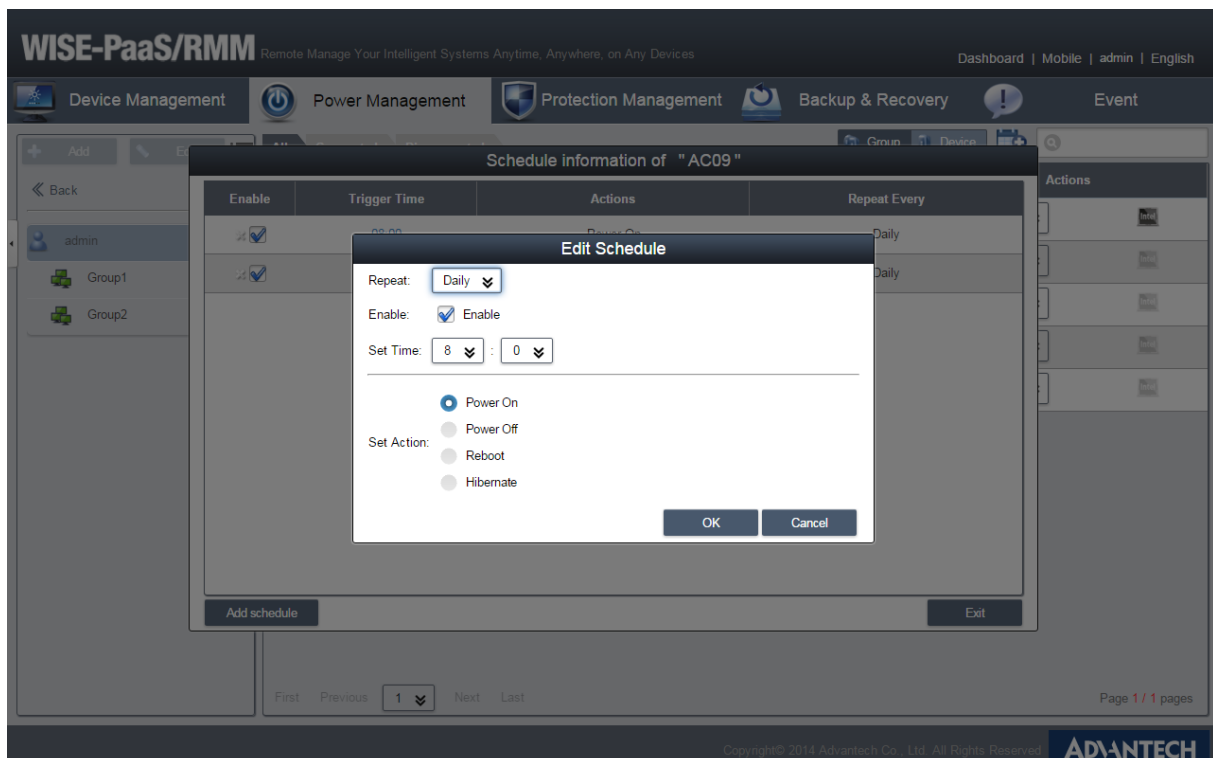
● Add Schedule

Click the icon  (on the up-right corner of device list) or click the button "Add schedule" on the bottom-left corner of the dialog of schedule information to pop up the dialog of "Add schedule". Select device or group, repeat mode, schedule time, power action and enable/disable option to add a new power schedule.



- **Edit Schedule**

Click on the “Trigger time” field of schedule item to edit the schedule.



- **Delete Schedule**

Click on the icon “X” ahead of the schedule item to delete the schedule.

- **Enable/Disable Schedule**

Check the box ahead of the schedule item to enable/disable the schedule.

3.4. System Protection

3.4.1. Protection Status List

- Click Group/Device to switch view mode.
- Input keyword to search devices.

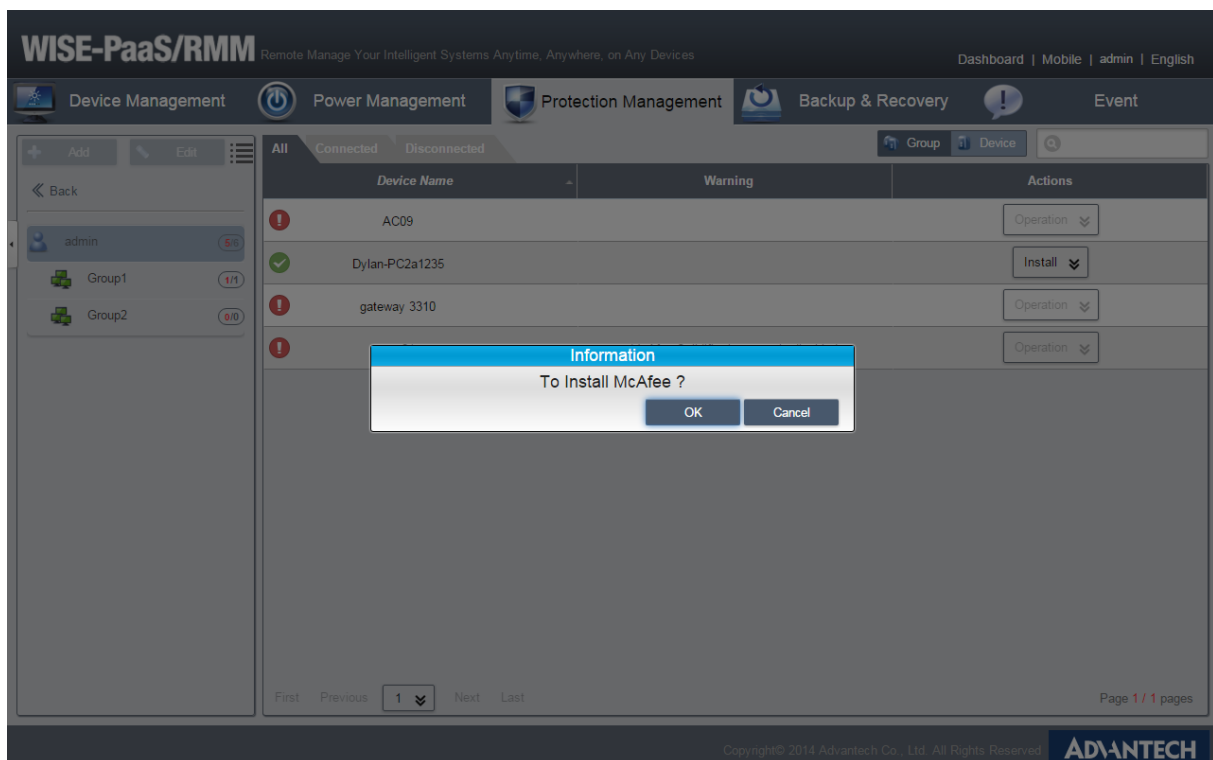
The screenshot displays the WISE-PaaS/RMM web interface. The top navigation bar includes links for Dashboard, Mobile, admin, and English. Below this, a secondary navigation bar features icons and labels for Device Management, Power Management, Protection Management (which is active), Backup & Recovery, and Event. The main content area is titled 'Protection Management' and shows a list of devices under the 'Connected' tab. The list has columns for Device Name, Warning, and Actions. The devices listed are AC09, Dylan-PC2a1235, gateway 3310, and xpe01. The 'Warning' column shows a red exclamation mark for AC09, a green checkmark for Dylan-PC2a1235, a red exclamation mark for gateway 3310, and a red exclamation mark for xpe01. The 'Actions' column shows a dropdown menu for each device. For xpe01, the dropdown menu is open, showing options for Operation and Install. A sidebar on the left contains a 'Back' button, a user profile for 'admin' with 5/6 status, and two device groups: Group1 (1/1) and Group2 (0/0). At the bottom of the page, there is a footer with copyright information for Advantech Co., Ltd. and the Advantech logo.

Device Name	Warning	Actions
AC09	!	Operation
Dylan-PC2a1235	✓	Operation
gateway 3310	!	Operation Install
xpe01	! McAfee Solidifier is currently disabled.	Operation

3.4.2. Protection Control

- **Install McAfee**

If System Protection is not installed on device, users need to install it and will see screen as below, click “**Install**” button to install System Protection (McAfee).



After confirming, enter “Name” and “Serial” (or check “Trial Version” without serial number) to start downloading and installing.

The 'Install McAfee' dialog box has a dark header with the title 'Install McAfee'. Below the header, there are two input fields: 'Name:' and 'Serial:'. Below these fields is a checkbox labeled 'Trial Version (30 Days)'. A paragraph of text follows: 'PS. Please note that if there's other system security application, such as Intel McAfee ePO agent, installed on this device already, RMM System Protection might not work normally due to resource conflict. Please uninstall or disable all other system security applications before proceeding the installation if you wish to use RMM System Protection function.' At the bottom right, there are 'OK' and 'Cancel' buttons.

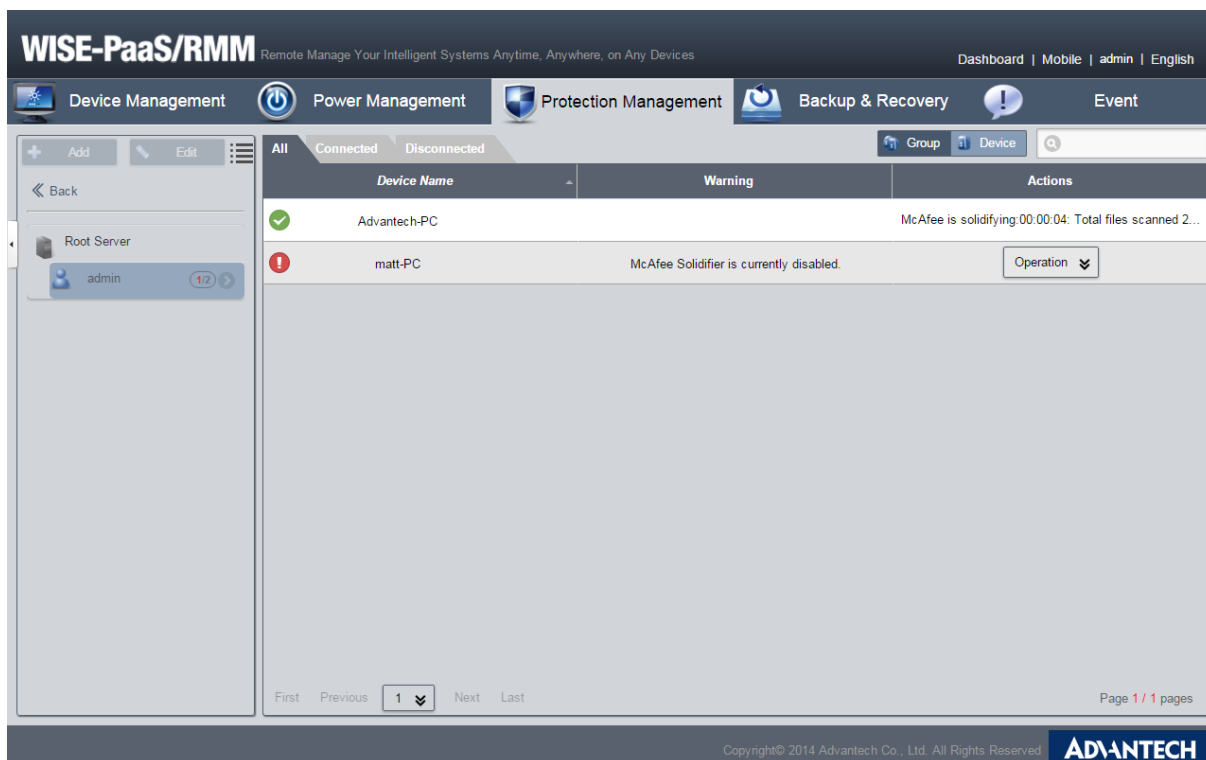
After installing, “Install” button will disappear, users will see “On/Off” button. Warning message will show “McAfee Solidifier is currently disabled” before users solidifier the device. “On/Off” button will on the “Off” state after installing.

If users select “Install without license key (30 days for free)” to start McAfee 30 days free trial, “Install” button will replace by “Active” button as below. Users can active free trial when they get license key.

● Enable Protection

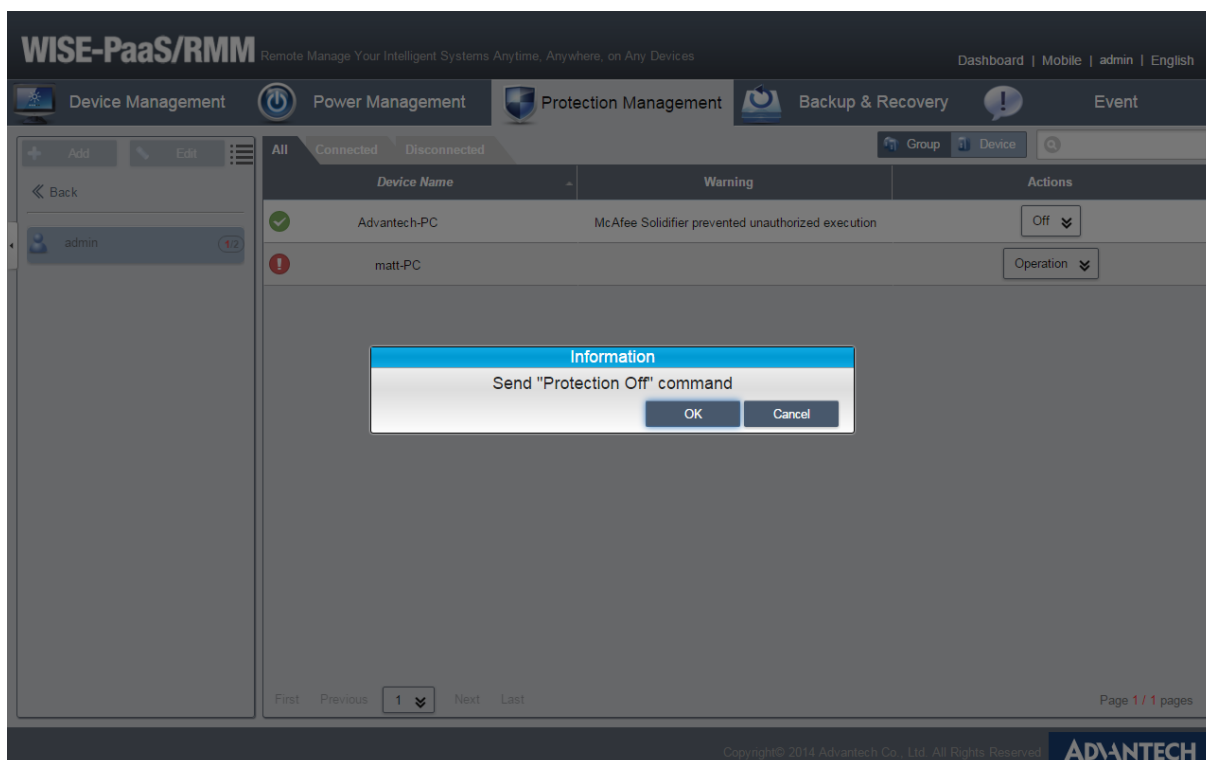
Switch the “On/Off” button to “On” will start McAfee to protect the device. Click protect all will start McAfee to protect all devices. Device will start to solidifier process. “On/Off” button

will change status after solidifier process. If someone tries to execute, delete, or re-name files without permission, the agent will send a report to the server. You will get a warning message about system protection.



● Disable Protection

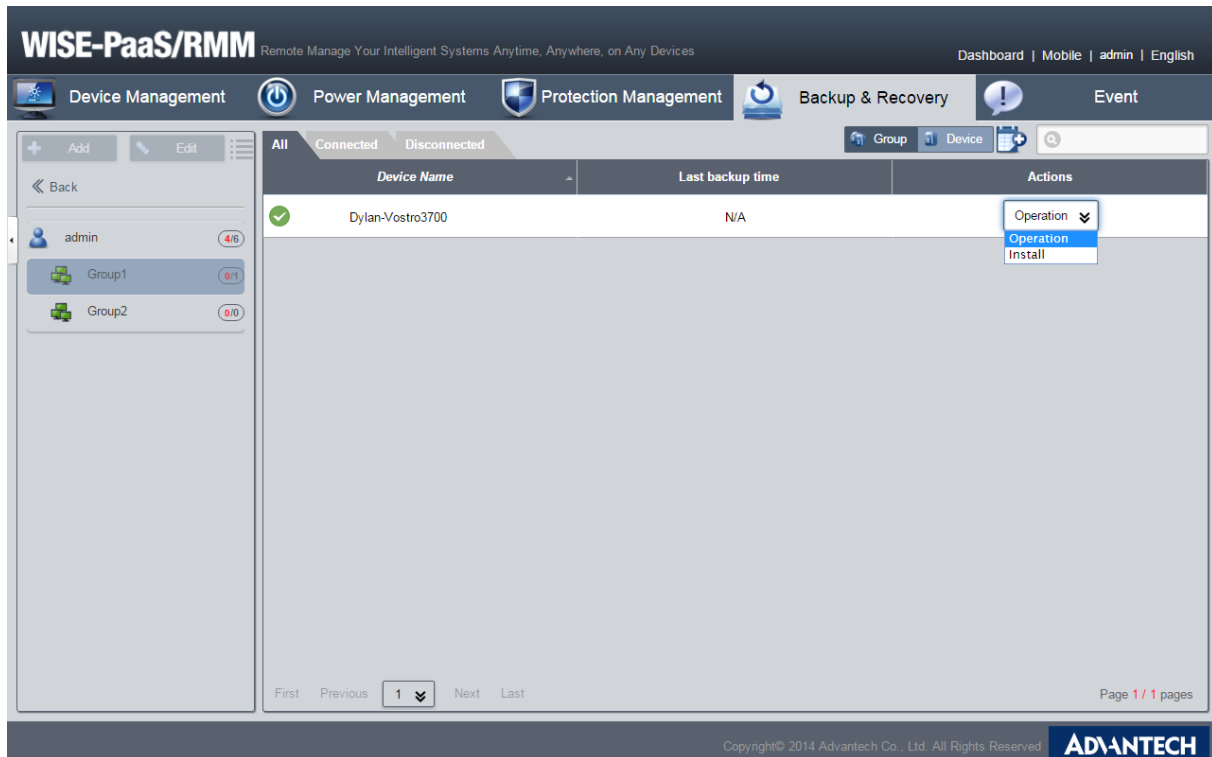
Switch the “On/Off” button to “Off” will stop McAfee to unprotect the device. After turn off McAfee protection, users can install the modify application in device. Turn on again after installing, device will under the protection of McAfee.



3.5. System Backup & Recovery

3.5.1. Backup/Recovery Status List

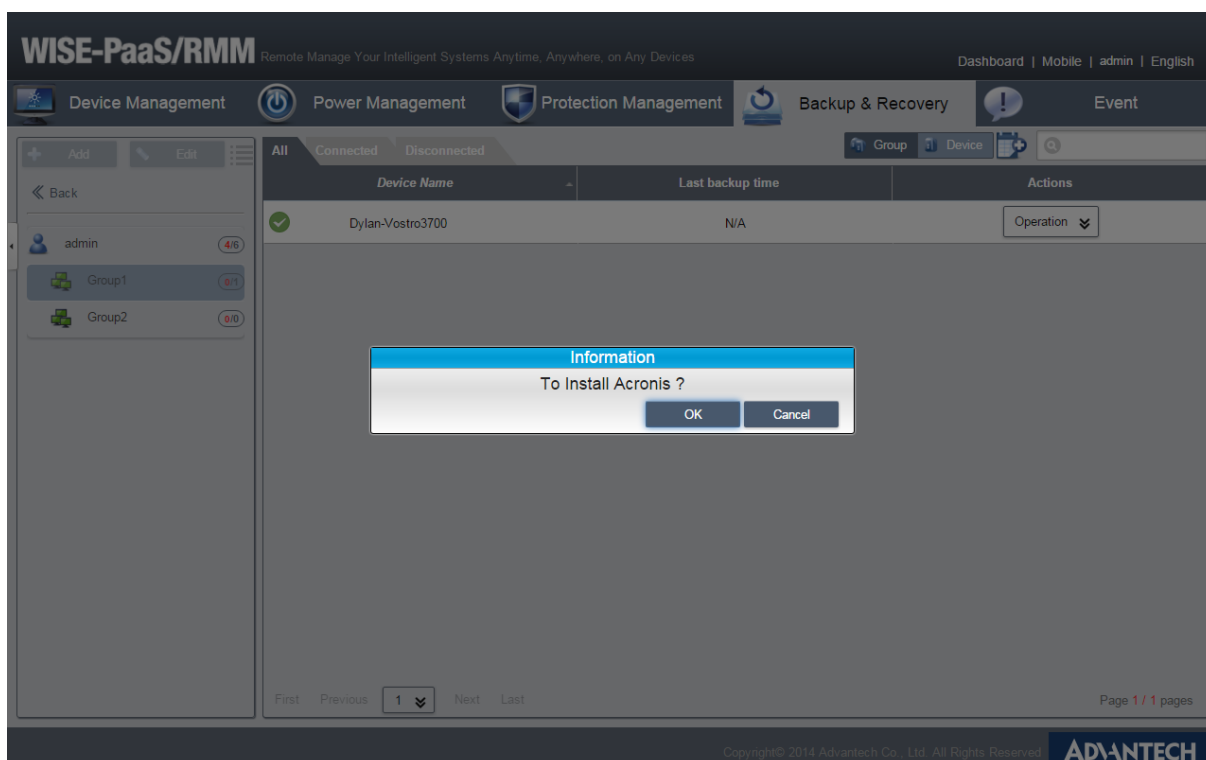
- Select All/Connected/Disconnected to quickly filter out devices.
- Click Group/Device to switch view mode.
- Input keyword to search devices.



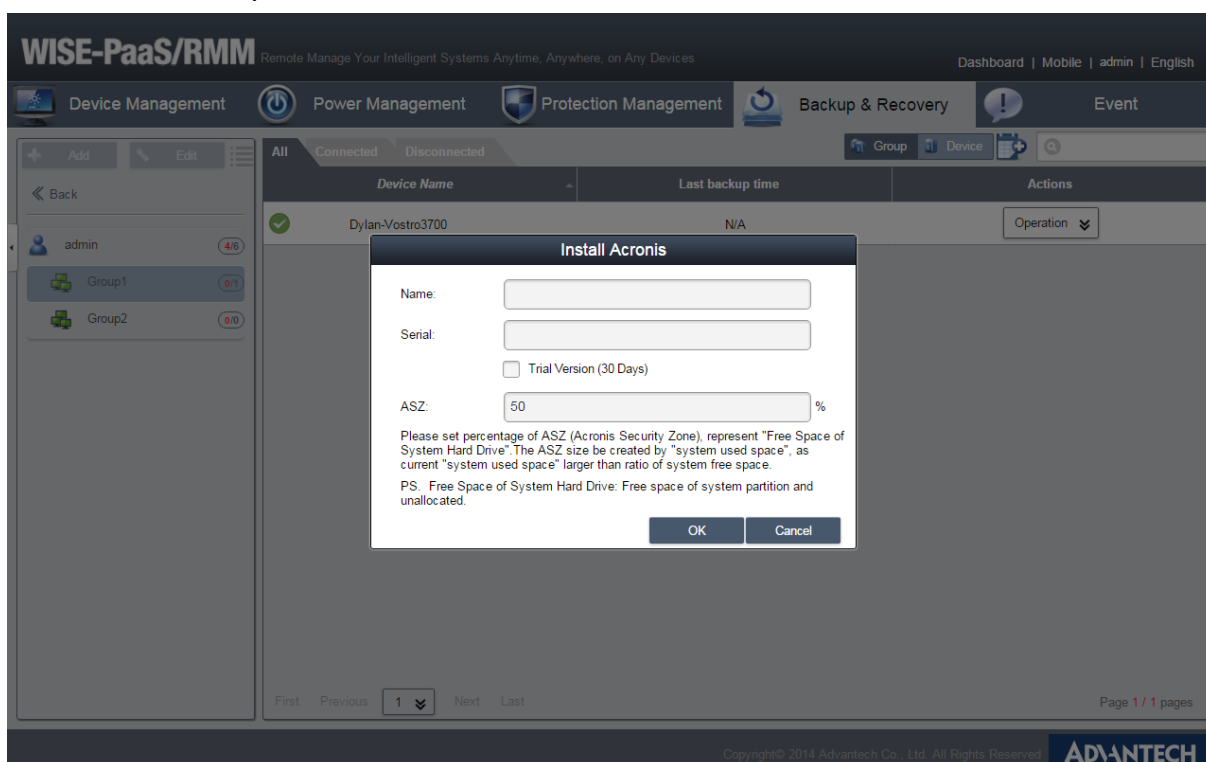
3.5.2. Backup/Recovery Control

- **Install Acronis**

If System Recovery is not installed on device, users need to install it and will see screen as below, click “**Install**” button to install System Recovery (Acronis).



Please enter your Name, Serial number to activate Acronis and default size of ASZ (Acronis Security Zone, The range is between used disk and free disk, theoretically, the used disk space will larger than 0%). Users can select “Install without license key (30 days for free)” to start Acronis 30 days free trial.

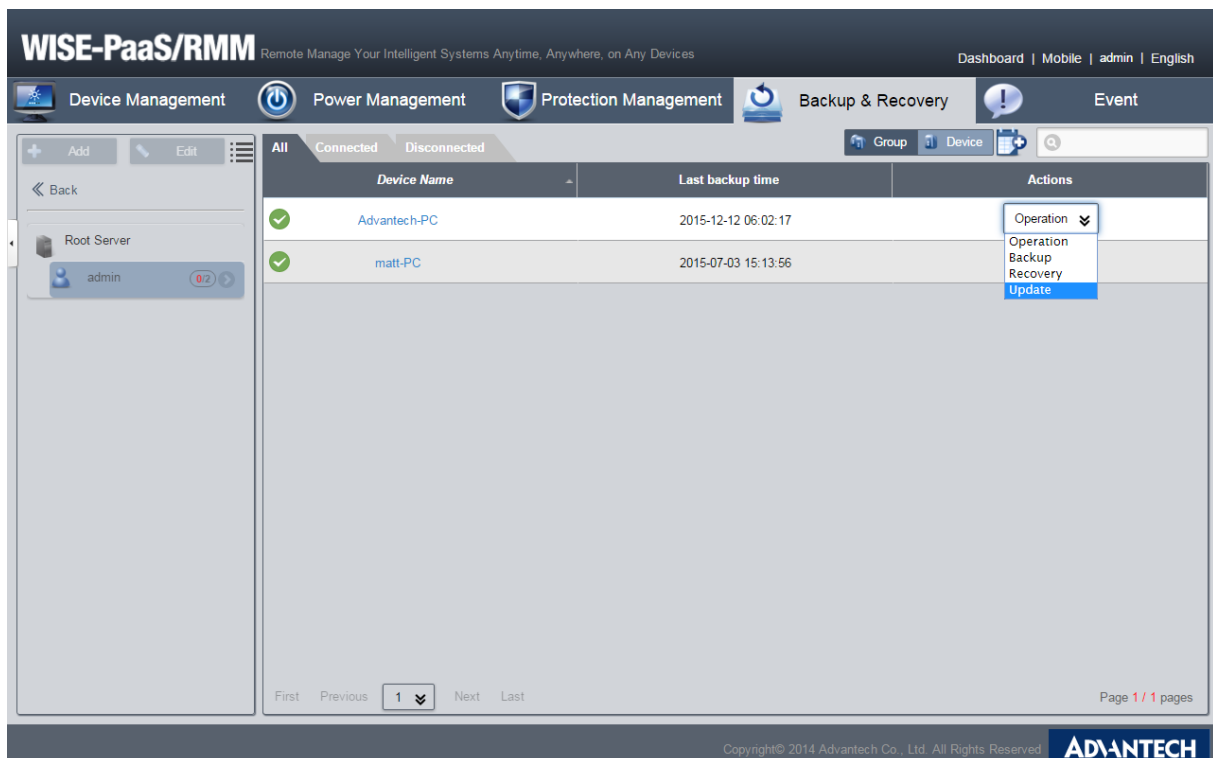


RMM will install Acronis after installation setting.

After installing, “Install” button will disappear, users will see “Backup” button.

If users select “Install without license key (30 days for free)” to start Acronis 30 days free trial,

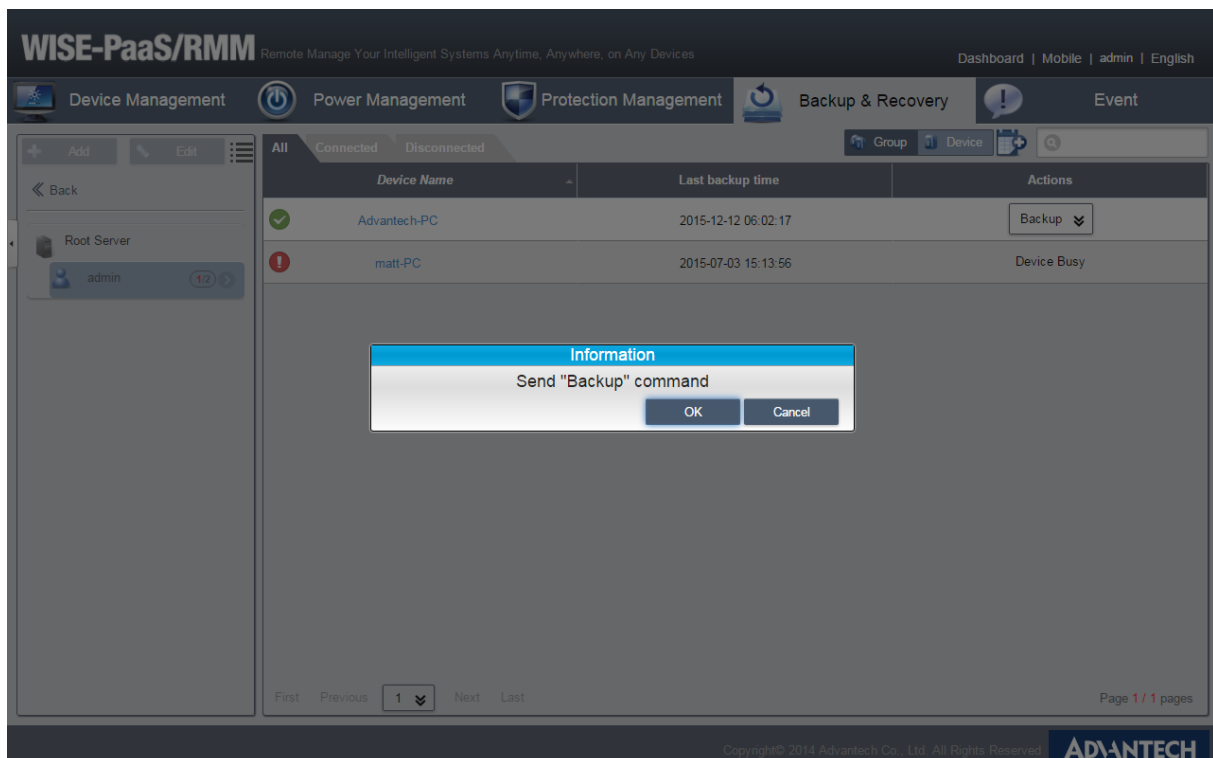
“Install” button will replace by “Active” button as below. Users can active free trial when they get license key.



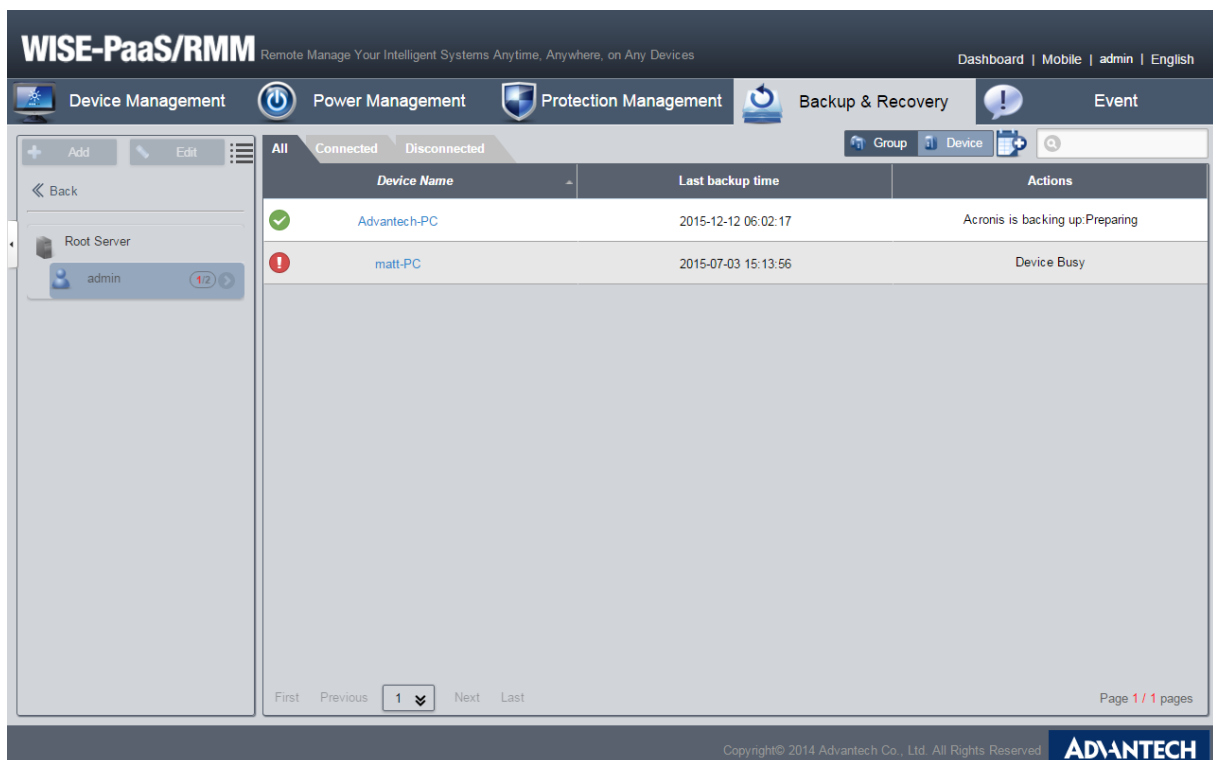
● Backup

Click “Backup” button to start backup device.

RMM will show confirm window, users can make sure backup information.

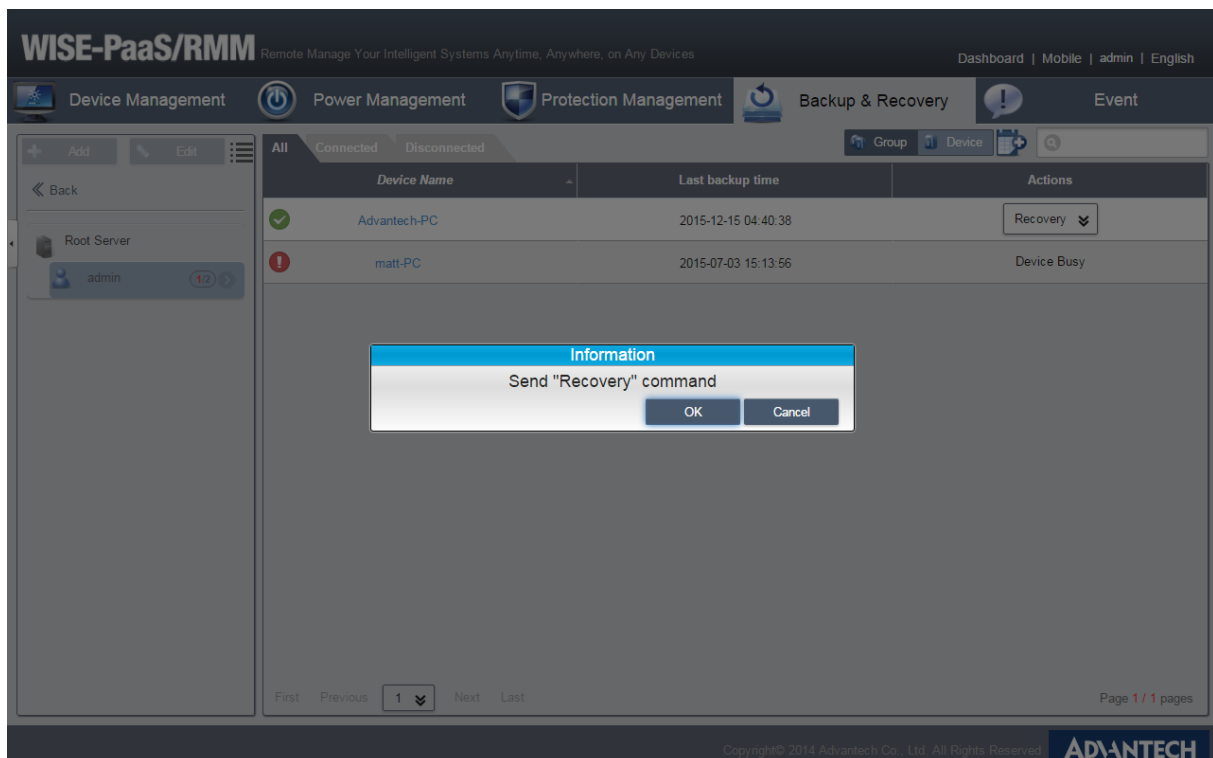


After confirming, Acronis will start to backup and show backup percentage.



● Recovery

“Restore” button can work after backup success in Restore page. Message will show the last time backup time. Click “Restore” button to start Restore in Restore page. RMM will show confirm window, users can make sure restore information.



After confirming, Acronis will restart the device and start to restore. “Restore” button will gray when device on restoring. “Restore” button can work after device restoring success, Message will show the last time backup time (not restore time). If restore fail, device cannot

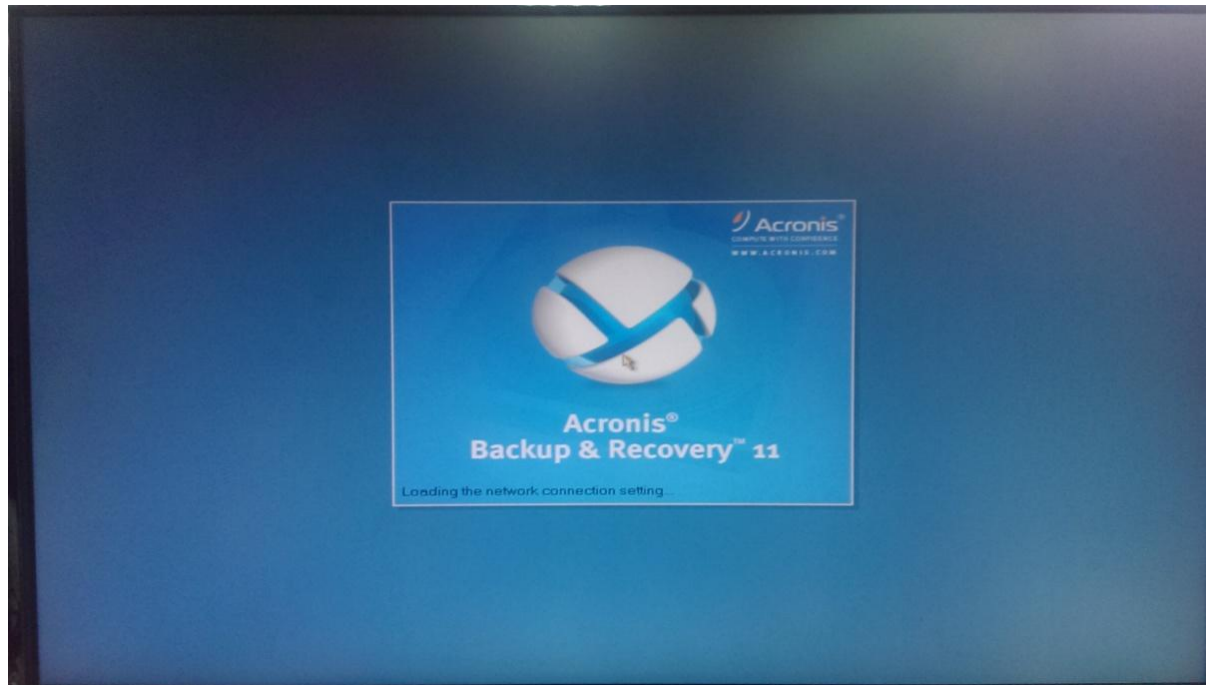
boot normally, so device will not connect to RMM console. Users can try to use one key recovery function of Acronis (F11) by RMM Remotely KVM (need Intel AMT support) or locally when restore fail. If it still cannot work, please contact your Advantech partner.

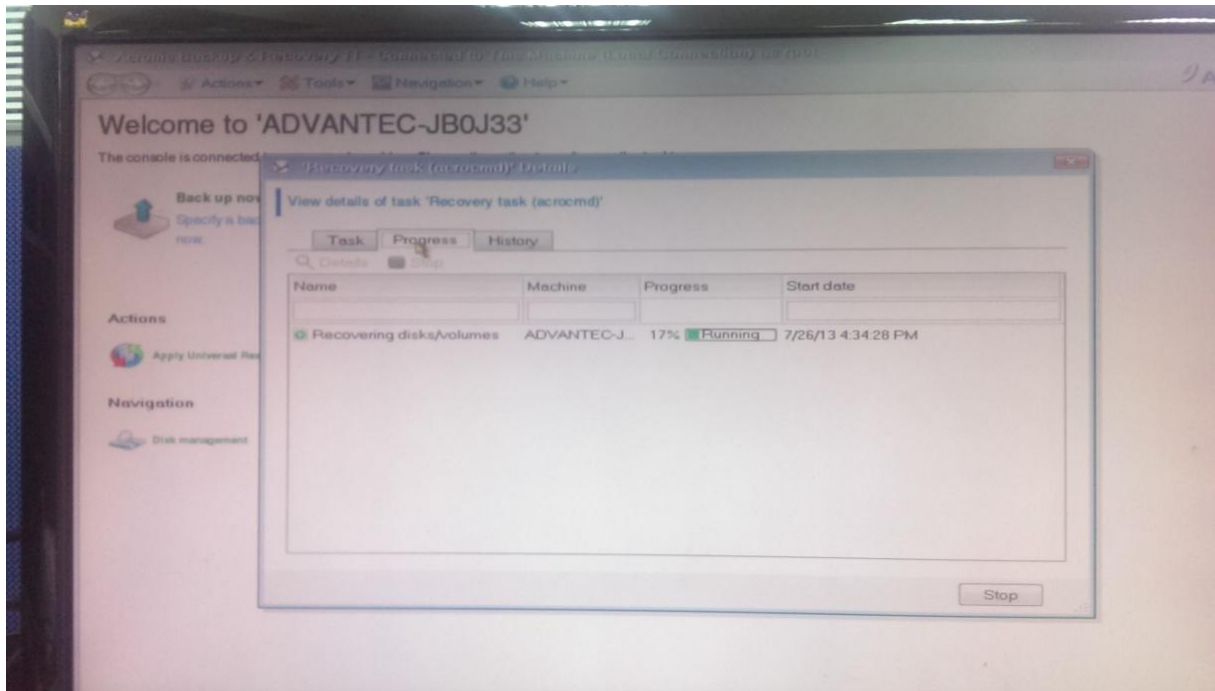
The screenshot displays the WISE-PaaS/RMM console interface. The top navigation bar includes 'Device Management', 'Power Management', 'Protection Management', 'Backup & Recovery', and 'Event'. The 'Backup & Recovery' section is active, showing a table of devices and their backup status.

Device Name	Last backup time	Actions
Advantech-PC	2015-12-15 04:40:38	Acronis is recovering
matt-PC	2015-07-03 15:13:56	Device Busy

The interface also shows a sidebar with 'Root Server' and 'admin' user, and a footer with 'Copyright © 2014 Advantech Co., Ltd. All Rights Reserved' and the 'ADVANTECH' logo.

Devices will run Acronis restore interface on restoring.

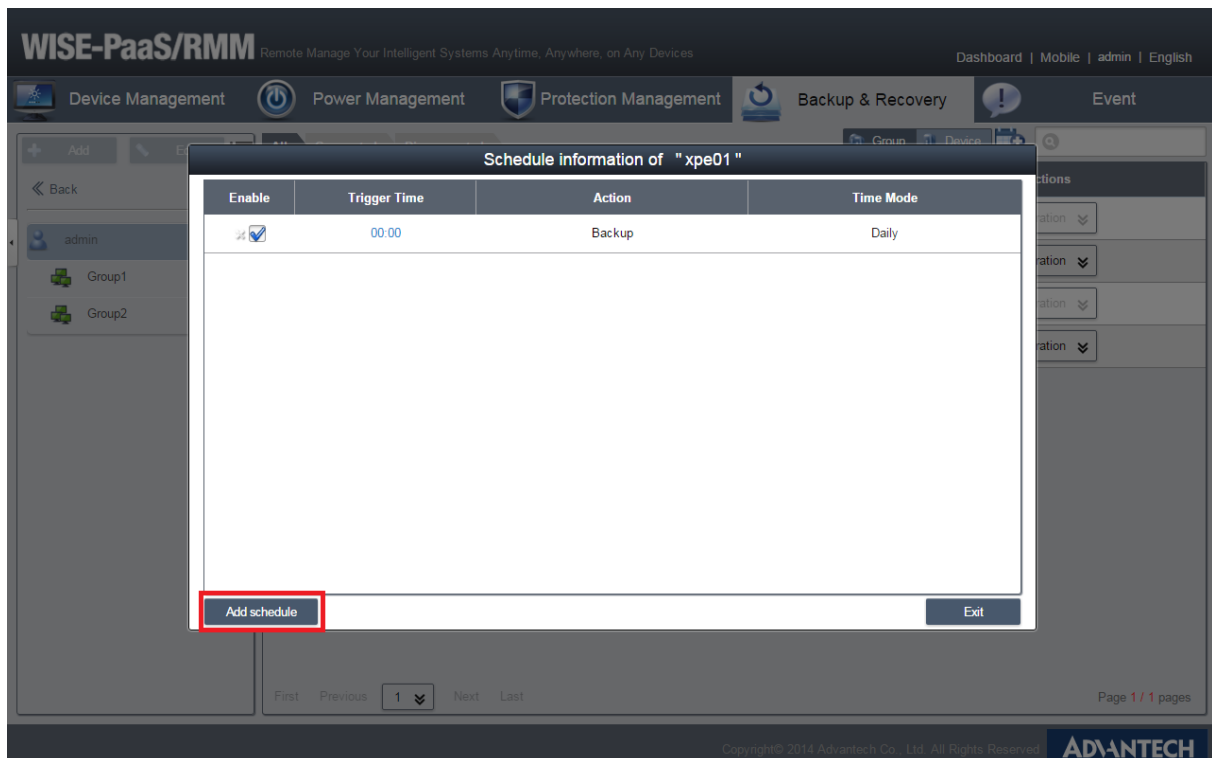





3.5.3. Add/Delete/Edit Backup Schedule

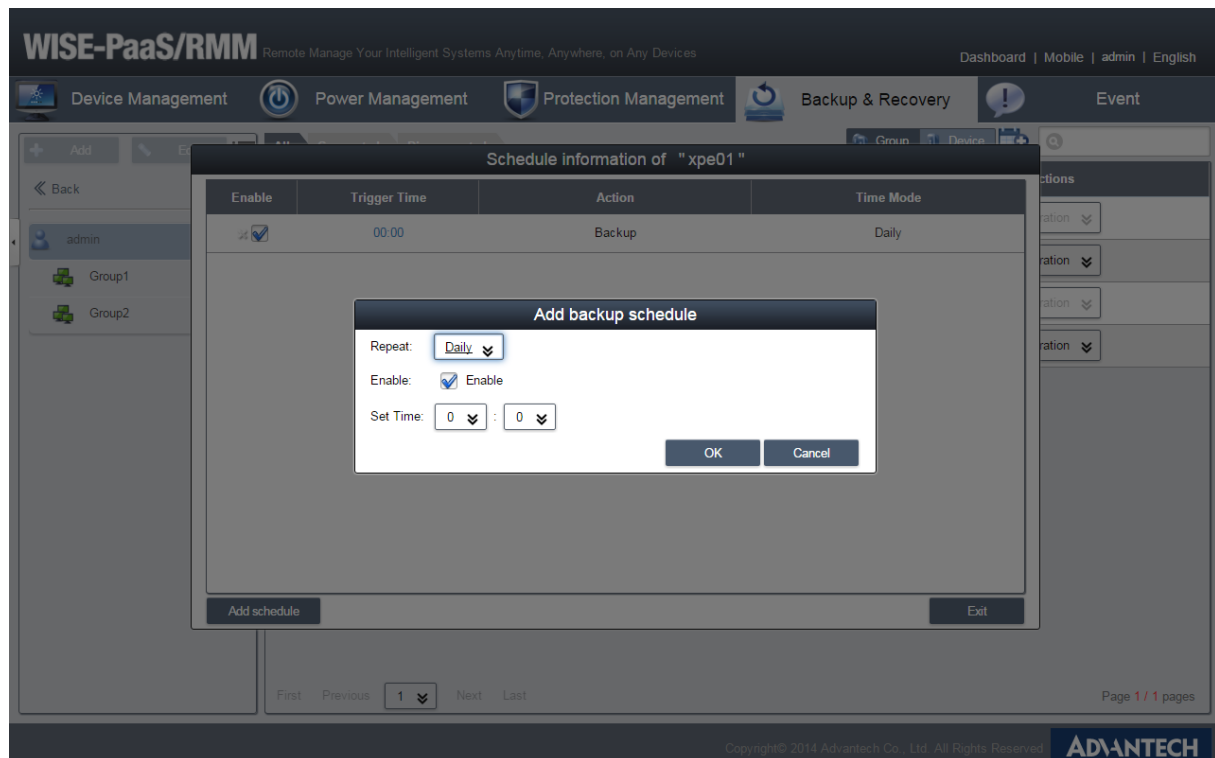
Click on Device/Group name to open the dialog of device/group schedule information.

Note: In Group view, the schedule information of group only list group schedules. In Device view, the schedule information of device will list both device schedules and group schedule that device belong to, but group schedule cannot be edited in this view mode.



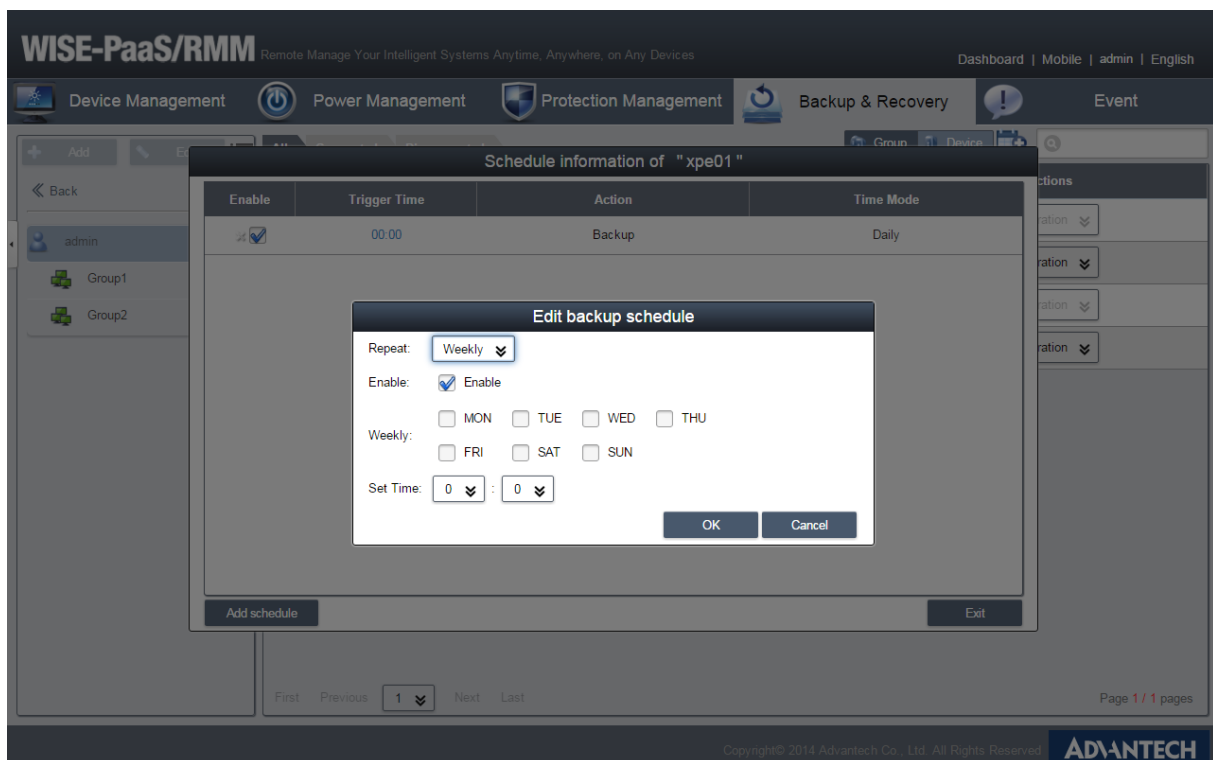
- **Add Schedule**

Click the icon  (on the up-right corner of device list) or click the button “Add schedule” on the bottom-left corner of the dialog of schedule information to pop up the dialog of “Add backup schedule”. Select device or group, repeat mode, schedule time and enable/disable option to add a new backup schedule.



- **Edit Schedule**

Click on the “Action” field of schedule item to edit the schedule.



- **Delete Schedule**
Click on the icon “X” ahead of the schedule item to delete the schedule.
- **Enable/Disable Schedule**
Check the box ahead of the schedule item to enable/disable the schedule.

3.6. Event Log

3.6.1. Device Event List

Select user account or group to decide event range and select event log type (All/Error/Warning/Information) to browse related device events.

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Dashboard | Mobile | admin | English

Device Management Power Management Protection Management Backup & Recovery Event

CSV

Back Add Edit

admin 5/5

Group1 1/1

Group2 0/0

All Error Warning Information

Time Stamp	Device	Severity	Event Description
2015-12-14 15:19:39.575	AC09	Error	Agent Disconnected
2015-12-14 15:16:02.141	AC09	Information	Acronis Update Status
2015-12-14 15:16:01.932	AC09	Information	McAfee Update Status
2015-12-14 15:16:00.558	AC09	Information	Agent Connected
2015-12-14 15:15:53.557	AC09	Error	Agent Disconnected
2015-12-14 15:07:24.997	Dylan-PC2a1235	Information	Acronis Update Status
2015-12-14 15:07:24.773	Dylan-PC2a1235	Information	McAfee Update Status
2015-12-14 15:07:24.524	Dylan-PC2a1235	Information	Agent Connected
2015-12-14 15:07:20.983	Dylan-PC2a1235	Information	Acronis Update Status
2015-12-14 15:07:20.757	Dylan-PC2a1235	Information	McAfee Update Status
2015-12-14 15:07:20.524	Dylan-PC2a1235	Information	Agent Connected
2015-12-14 15:07:17.060	Dylan-PC2a1235	Information	Acronis Update Status
2015-12-14 15:07:16.837	Dylan-PC2a1235	Information	McAfee Update Status
2015-12-14 15:07:16.523	Dylan-PC2a1235	Information	Agent Connected

Number of Records: 100 / 19918

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3.6.2. Export CSV

Select device and data/time range to export event log as CSV format to local side.

WISE-PaaS/RMM Remote Manage Your Intelligent Systems Anytime, Anywhere, on Any Devices

Dashboard | Mobile | admin | English

Device Management Power Management Protection Management Backup & Recovery Event

CSV

Back Add Edit

admin 5/5

Group1 1/1

Group2 0/0

All Error Warning Information

Time Stamp	Device	Severity	Event Description
2015-12-14 15:19:39.575	AC09	Error	Agent Disconnected
2015-12-14 15:16:02.141	AC09	Information	Acronis Update Status
2015-12-14 15:16:01.932	AC09	Information	McAfee Update Status
2015-12-14 15:16:00.558	AC09	Information	Agent Connected
2015-12-14 15:15:53.557	AC09	Error	Agent Disconnected
2015-12-14 15:07:24.997	Dylan-PC2a1235	Information	Acronis Update Status
2015-12-14 15:07:24.773	Dylan-PC2a1235	Information	McAfee Update Status
2015-12-14 15:07:24.524	Dylan-PC2a1235	Information	Agent Connected
2015-12-14 15:07:20.983	Dylan-PC2a1235	Information	Acronis Update Status
2015-12-14 15:07:20.757	Dylan-PC2a1235	Information	McAfee Update Status
2015-12-14 15:07:20.524	Dylan-PC2a1235	Information	Agent Connected
2015-12-14 15:07:17.060	Dylan-PC2a1235	Information	Acronis Update Status
2015-12-14 15:07:16.837	Dylan-PC2a1235	Information	McAfee Update Status
2015-12-14 15:07:16.523	Dylan-PC2a1235	Information	Agent Connected

Number of Records: 100 / 19918

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CSV Export Settings

Account: admin

Device: ☒ All ☐ Filter Device Name

Severity: All

Date: 2015-11-13 - 2015-12-14

OK Cancel

3.7. Account Setting

Click "Account Setting" from drop down menu of up-right corner to pop up the dialog of

account setting for configuring.

The image shows two screenshots of the WISE-PaaS/RMM interface. The top screenshot displays the main dashboard with a sidebar on the left and a top navigation bar. The 'Account Setting' option is highlighted in the top right menu. The bottom screenshot shows the 'Account Setting' dialog box, which contains a list of roles and a table of accounts.

WISE-PaaS/RMM Remote Manage Your Intelligent Systems Anytime, Anywhere, on Any Devices

Dashboard | Mobile | admin | English

Device Management

+ Add Edit

<< Back

admin 5/5

Group1 1/1

Group2 0/0

Power Management **Protection Management** **Backup & Recovery**

All Abnormal

Map Group Device

Device Name	Hardware Status	Software Status
AC09		
Dylan-PC2a1235		
gateway 3310		
imx6qwise3310		
xpe01		

First Previous 1 Next Last

Page 1 / 1 pages

localhost:8080/# Copyright© 2014 Advantech Co., Ltd. All Rights Reserved. **ADVANTECH**

Account Setting

+ Add Role Edit Role + Add Account Edit Account

System Administrator

Device Administrator

Visitor

Name	Role	Description	Email	Cell Phone
admin	System Administrator	System admin	admin@mail.com	

First Previous 1 Next Last

Page 1 / 1 pages

Ext

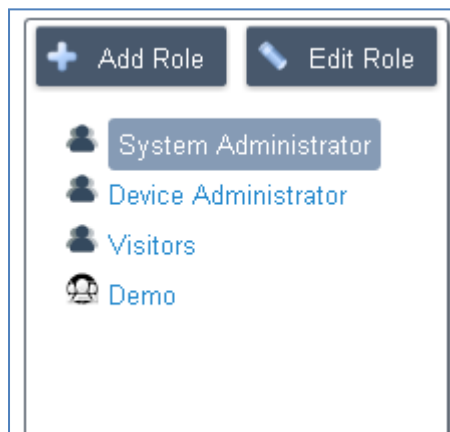
First Previous 1 Next Last

Page 1 / 1 pages

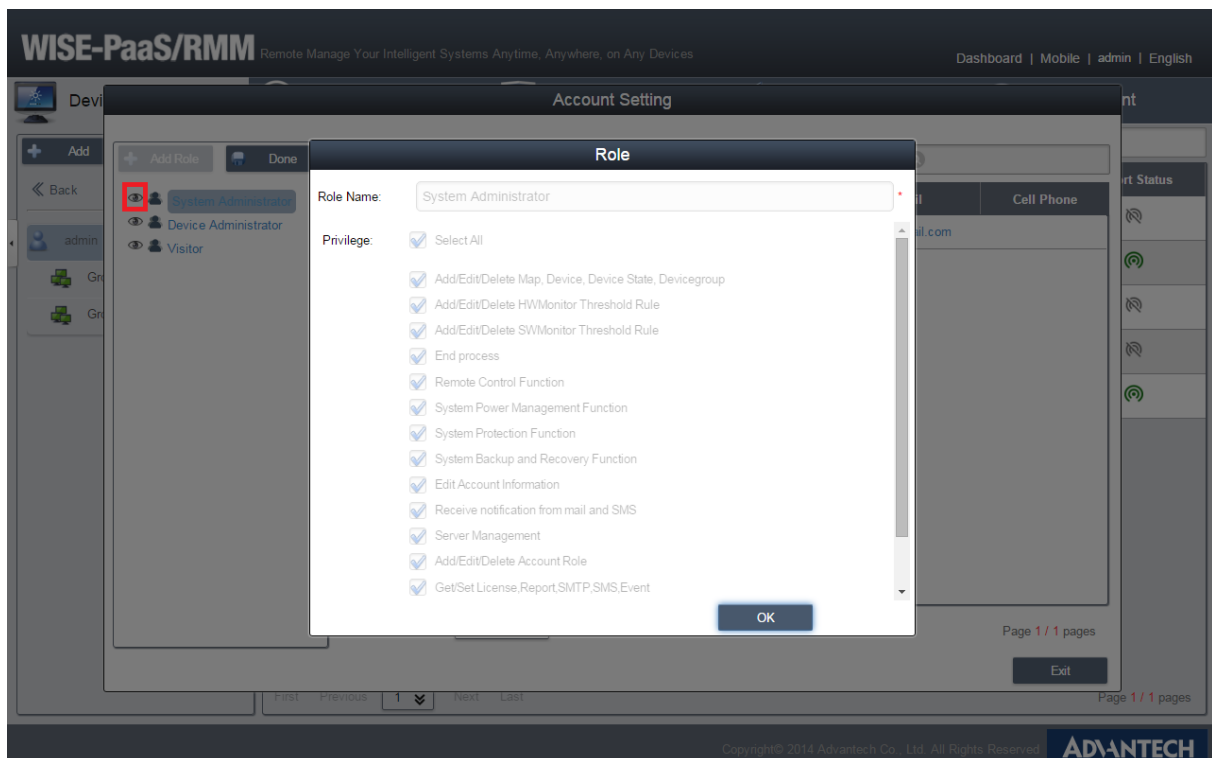
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3.7.1. Default Role

System provides three default Roles with pre-defined access rights: System Administrator, Device Administrator and Visitor.



The access rights of Pre-defined role cannot be edited or deleted but only can be browsed.

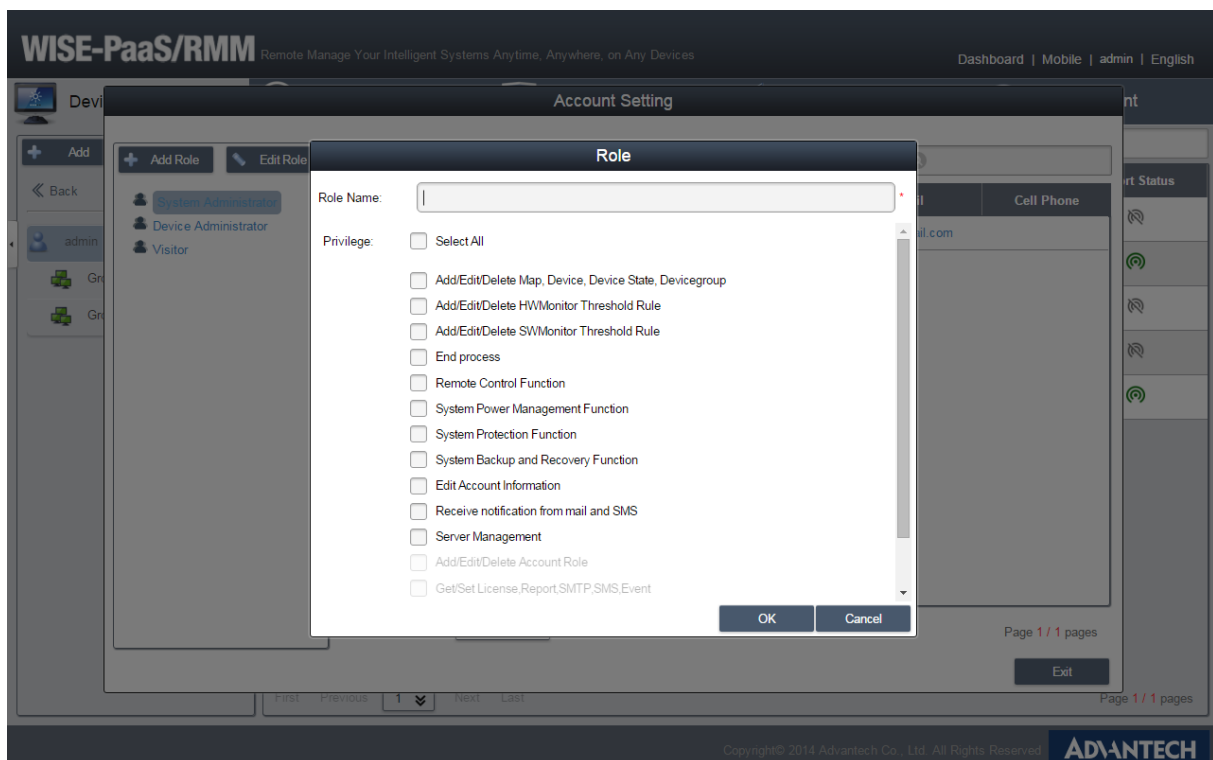


3.7.2. View/Add/Delete/Edit Custom Role


In addition to default role, user can add role with user-defined access rights.


● Add Role

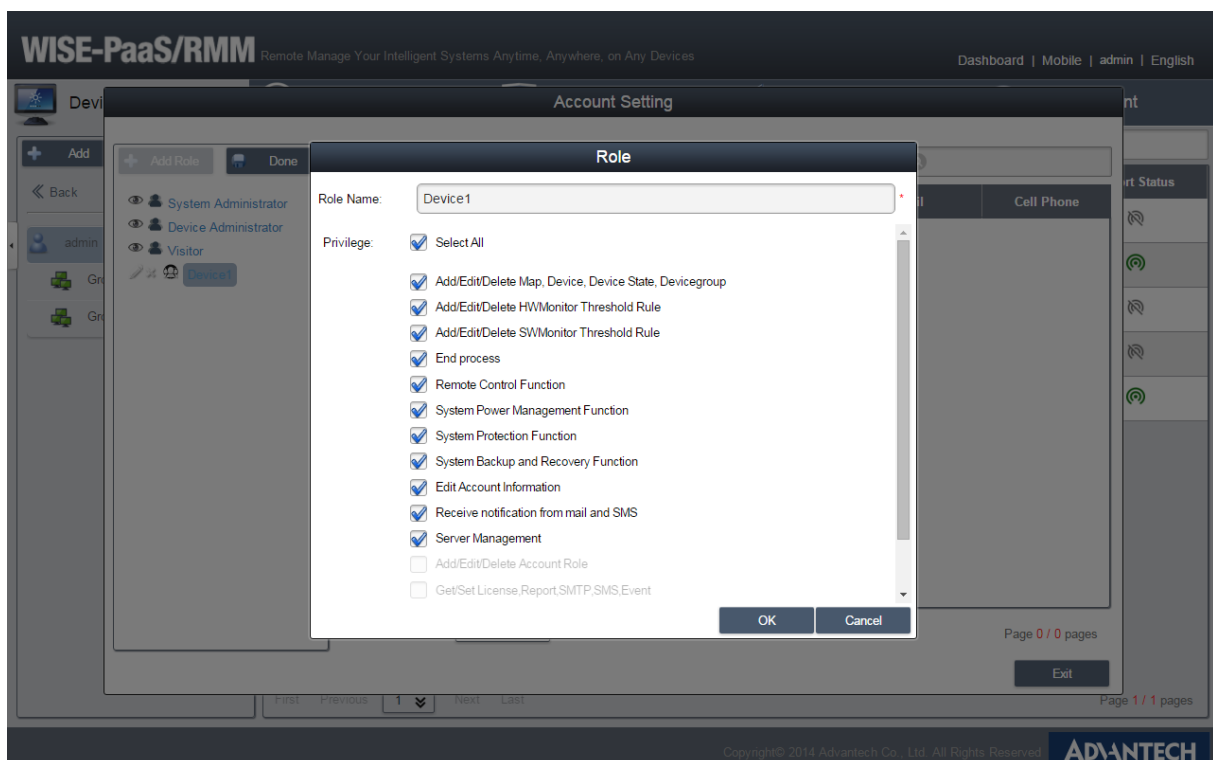
Click “Add Role” to pop up the dialog of Role. Input role name and corresponding access rights to create a new role.



● View/Edit/Delete Role

Click “Edit” to switch to role edit mode. Click the icon  to edit or view role access rights.

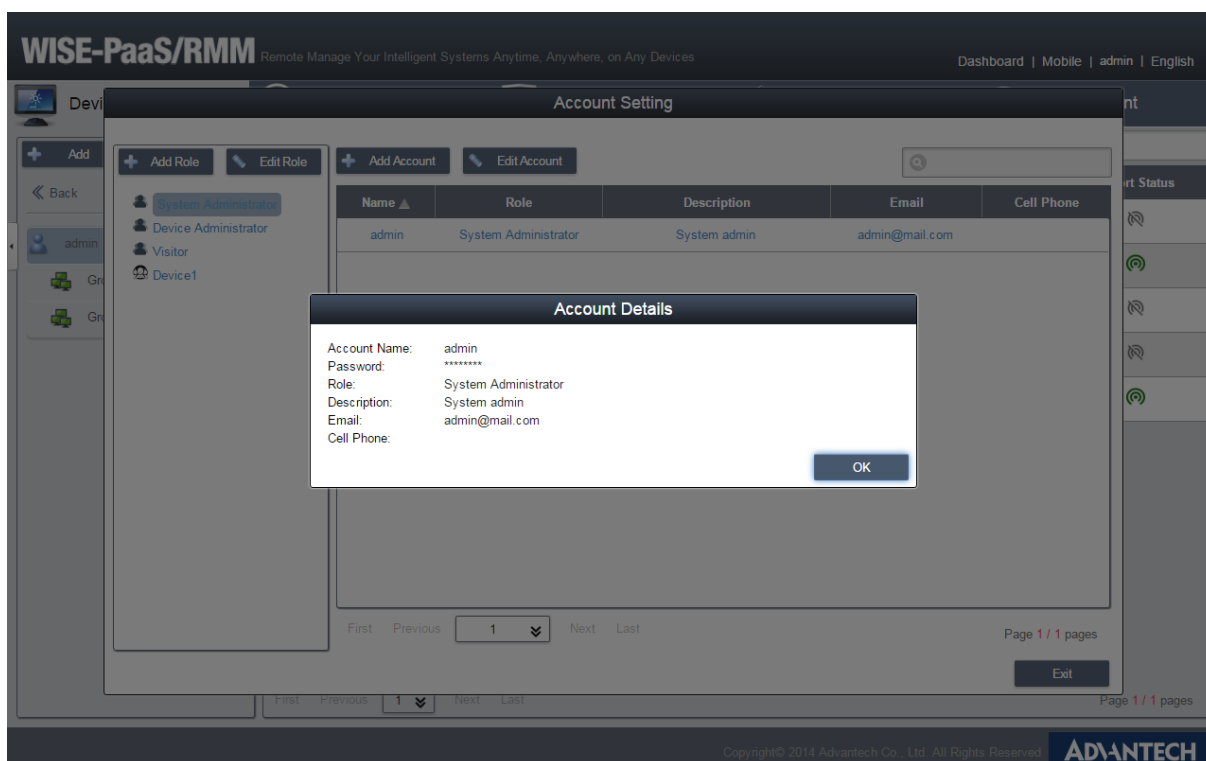
Click the icon  to delete custom role.



3.7.3. View/Add/Delete/Edit Account

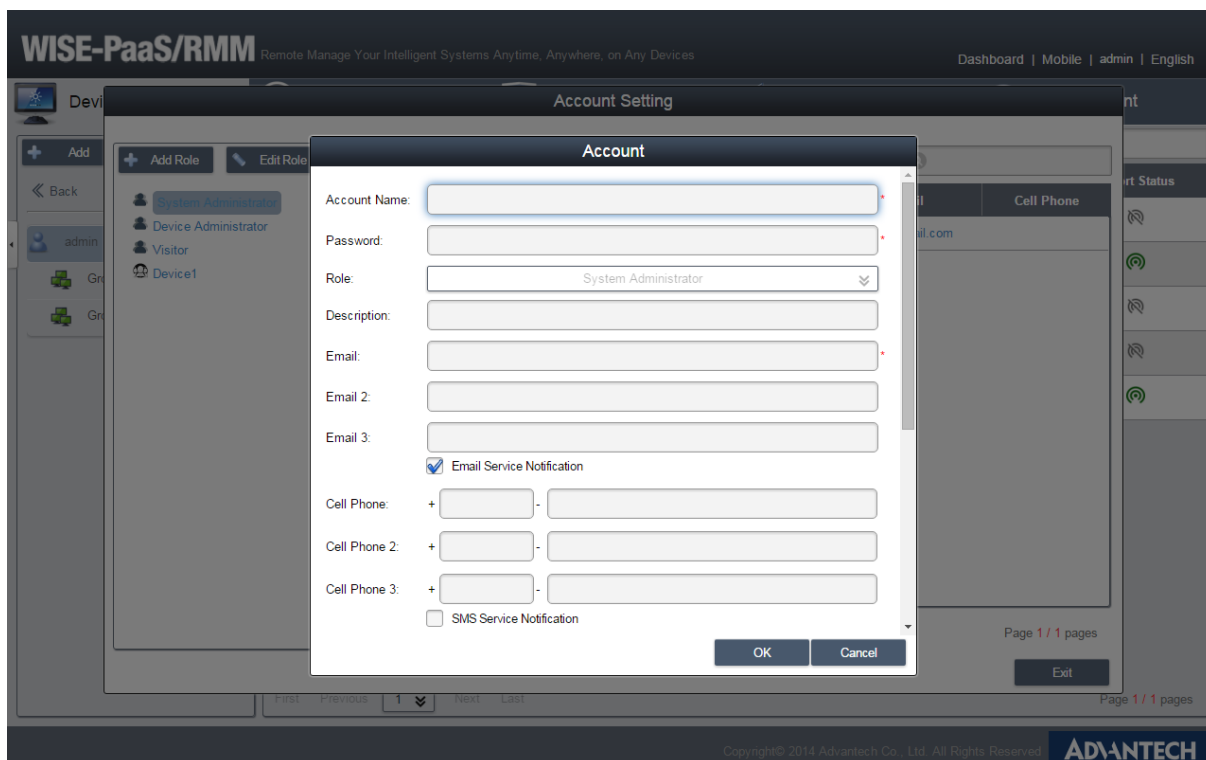
● View Account

Select one of default or custom role and click on arbitrary field in the account list to view the details of account.



● Add Account


Select one of default or custom role and click "Add" button to pop up the dialog for creating a new account.



● Edit Account

Click “Edit” button to switch to edit mode. Click on arbitrary field in the account list to pop up the dialog for account editing.

● Delete Account

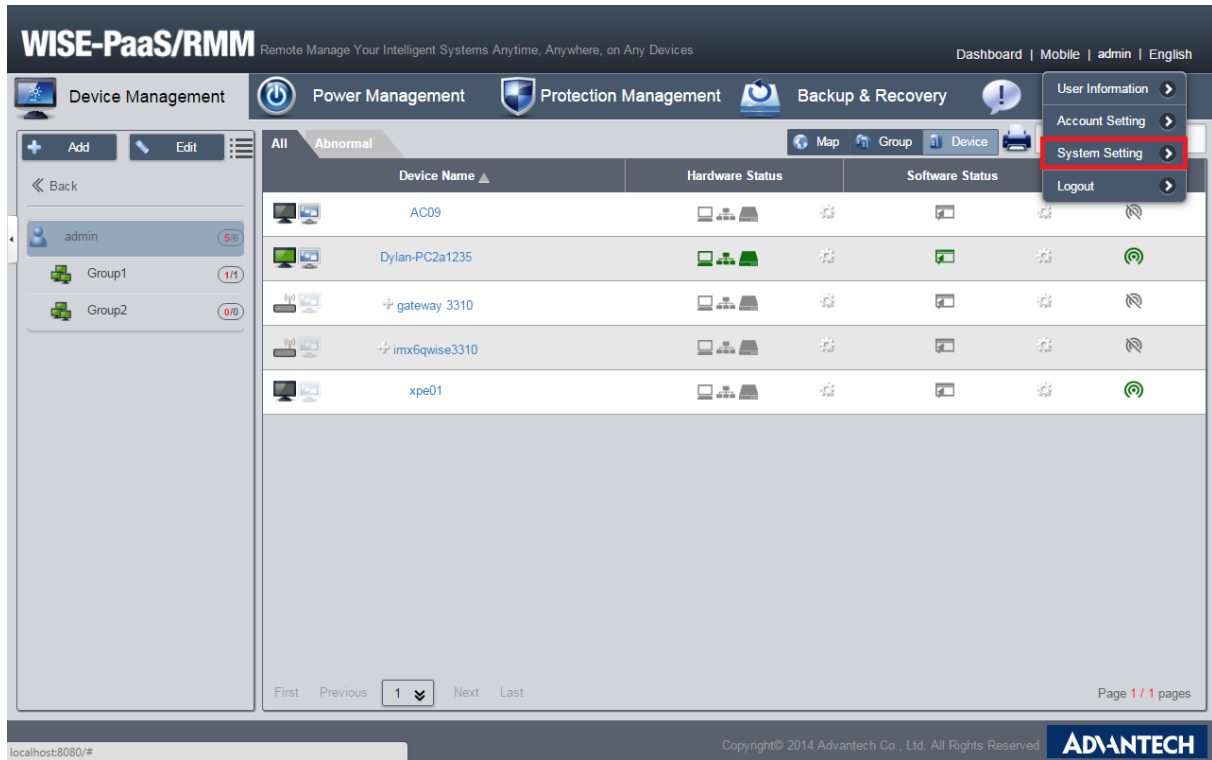
Click “Edit” button to switch to edit mode. Click on  in the account list to delete account.

Name	Role	Description	Email	Cell Phone
DeviceUser1	Device Administrator		DeviceUser1@zzz.ccc	
DUser2	Device Administrator		aaa@zzz.xxx	
DUser3	Device Administrator		zzz@zzz.xxx	
DUser4	Device Administrator		zzz@xxx.ccc	

Note: “admin” is a supper system administrator that cannot be deleted.

3.8. System Setting

Click “**System Setting**” from drop down menu of up-right corner to pop up the dialog of system setting for configuring.



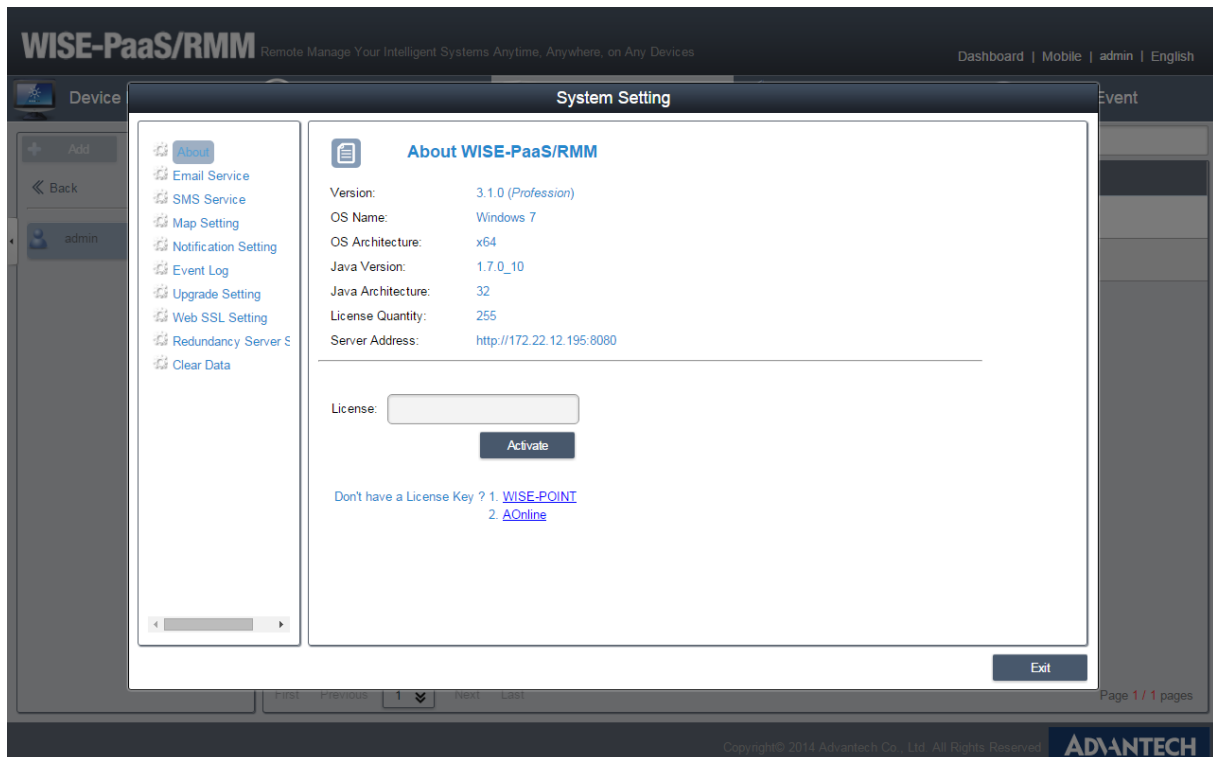
3.8.1. About

Display system information includes server version, OS version, Java Runtime Environment version, license quantity and local address/port for web portal.

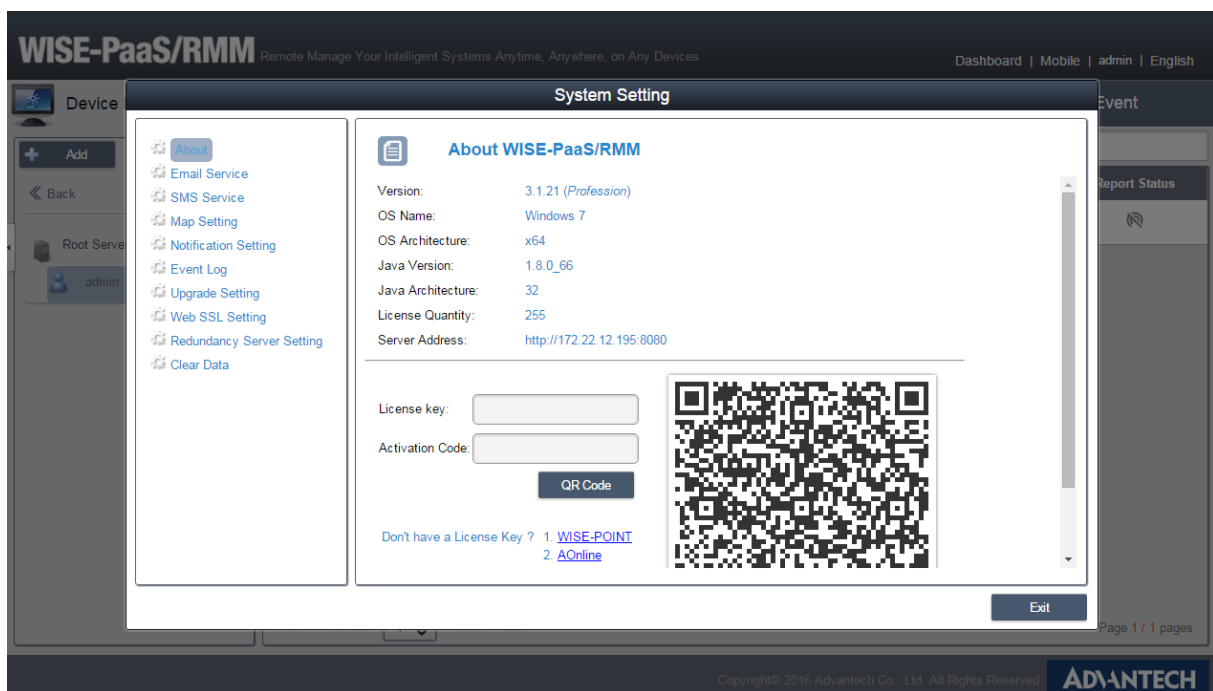
- **Activation**

If user has license key, user can enter license key to activate server here.

If user has no license key, user can click “WISE-POINT” or “AOnline” to apply license key.



If server cannot connect to activation server, user can connect to activation server by using QR Code. User can activate server or apply license key by through activation server.



3.8.2. Email Service

Use SMTP protocol to send notifications via Email Service.

Before applying setting, click “**Test**” button to send a test mail to check validity of settings.

Note: Users must enable this Email service and check corresponding event notification

setting. And setup correct Email address of device administrator to receive device Email notifications while events occur.

The screenshot shows the 'Email Service' configuration page within the 'System Setting' modal of the WISE-PaaS/RMM interface. The page has a dark header with the product name and navigation links. A left sidebar contains a menu of settings. The main content area is titled 'Email Service' and includes an 'Enable Email Service' checkbox, which is currently unchecked. Below this are several input fields: 'Mail Server' (placeholder: Server Address), 'Port' (value: 25, with checkboxes for SSL and TLS), 'Account' (placeholder: Please enter Account name), 'Password' (placeholder: Please enter Password), 'Sender' (placeholder: Please enter Sender), and 'Subject' (value: RMM). A 'Test' button is located below the 'Subject' field. An 'Exit' button is at the bottom right of the modal. The footer of the page includes a copyright notice and the Advantech logo.

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Dashboard | Mobile | admin | English

Device

System Setting

Event

Report Status

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Group1

Group2

Back

Add

About

Email Service

SMS Service

Map Setting

Notification Setting

Event Log

Upgrade Setting

Web SSL Setting

Redundancy Server S

Clear Data

Enable Email Service

Mail Server: Server Address

Port: 25 ☐ SSL ☐ TLS

Account: Please enter Account name

Password: Please enter Password

Sender: Please enter Sender

Subject: RMM

Test

Exit

Page 1 / 1 pages

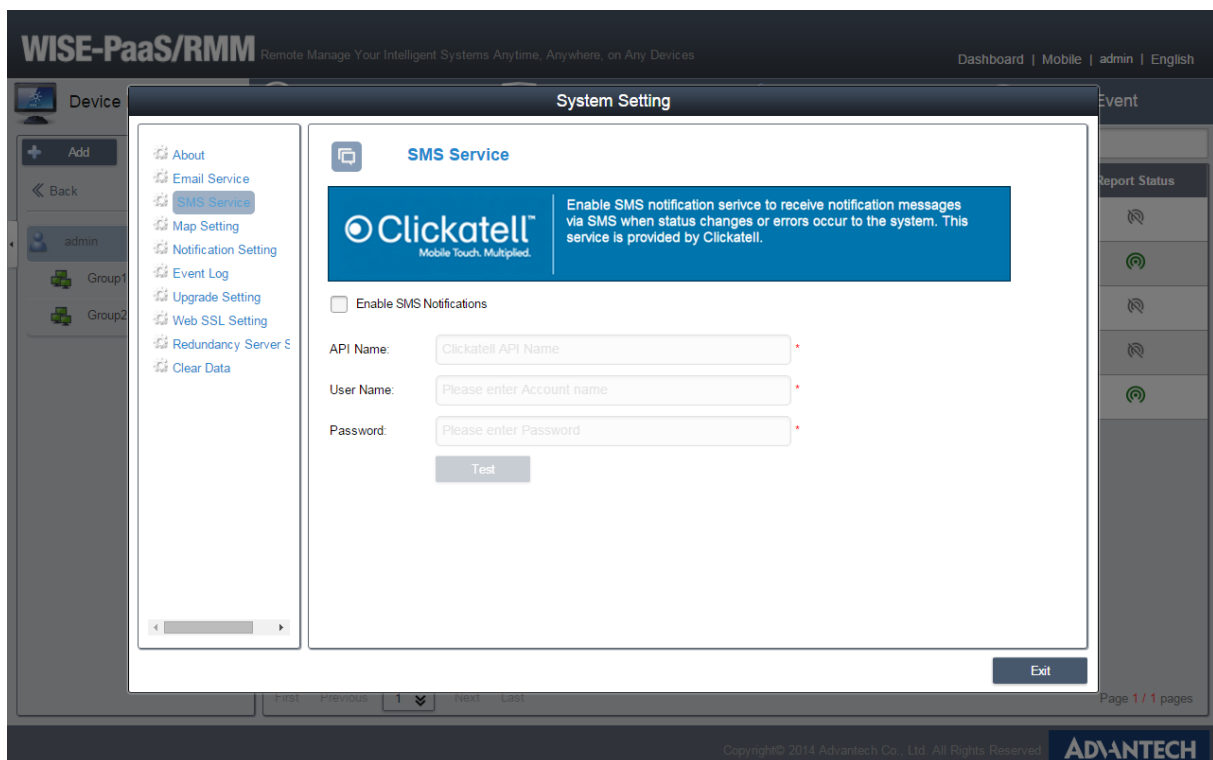
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3.8.3. SMS Service

Use Clickatell SMS gateway service to send SMS automatically.

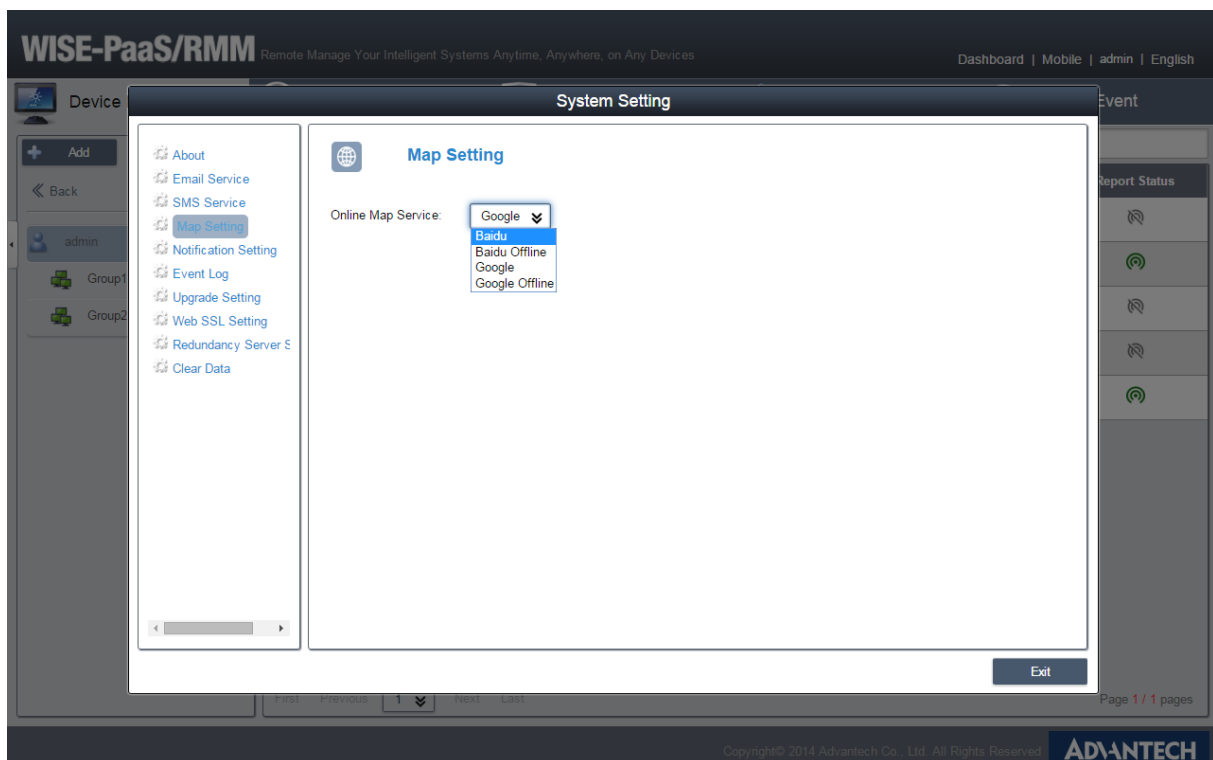
Before applying settings, click “**Test**” button to send a test SMS to check validity of settings.

Note : SMS Service must be enabled and check corresponding event notification setting. And setup correct cell phone number of device administrator to receive device SMS messages while events occur.



3.8.4. Map Setting

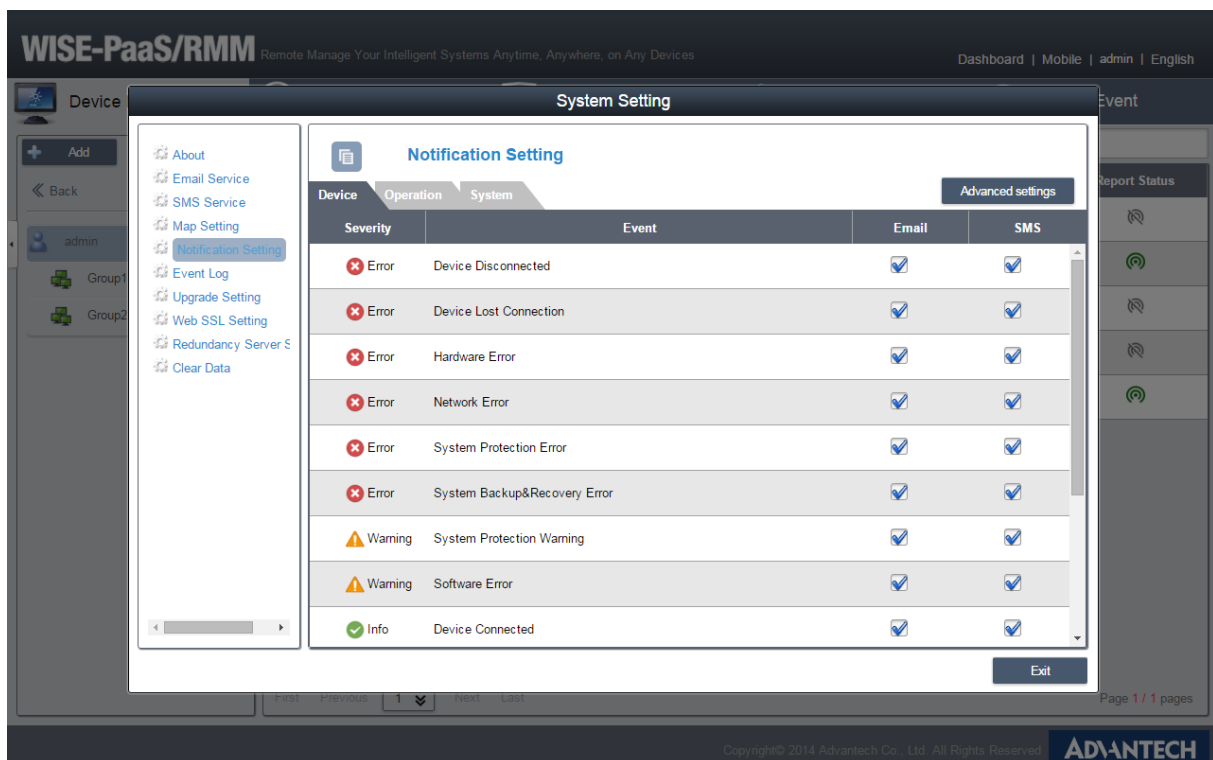
On-line / Off-line map supports Google, Baidu. Select map for client default map display.



3.8.5. Notification Setting

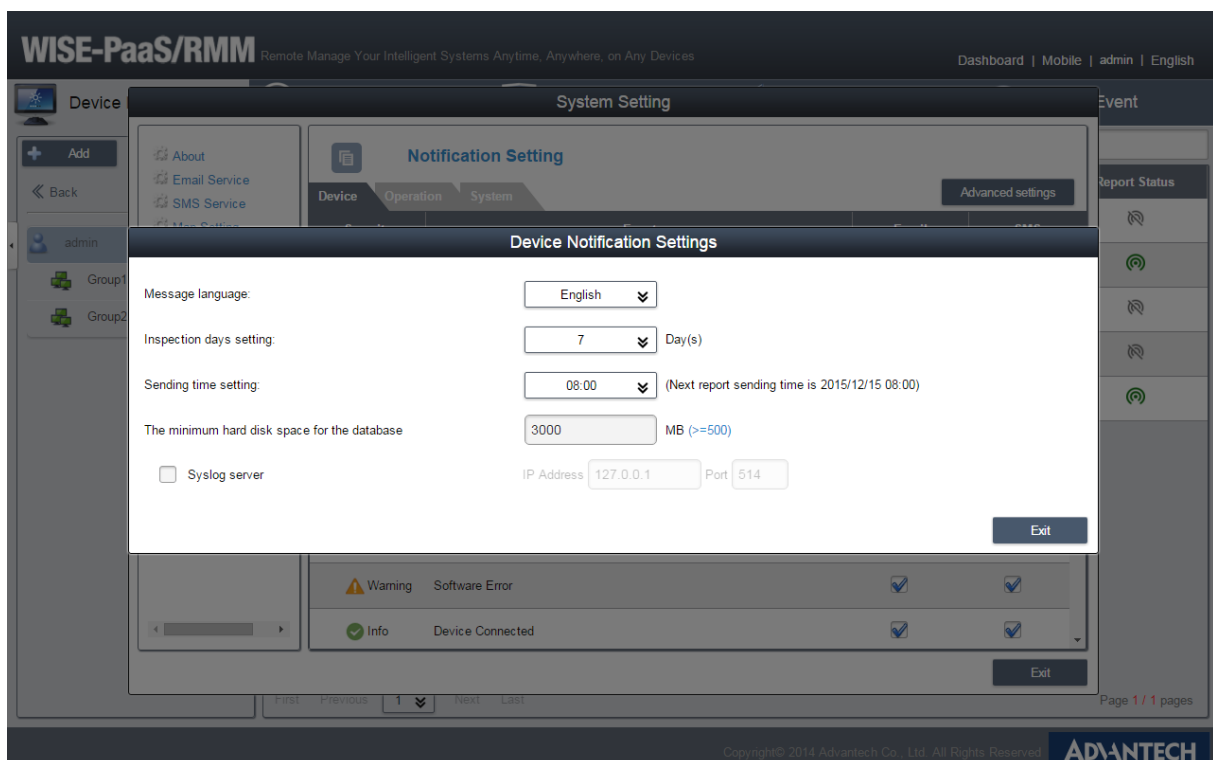
Click tab “Device/Operation/System” to catalog related notification setting.

Set event notify by Email or SMS on each item to enable receiving.



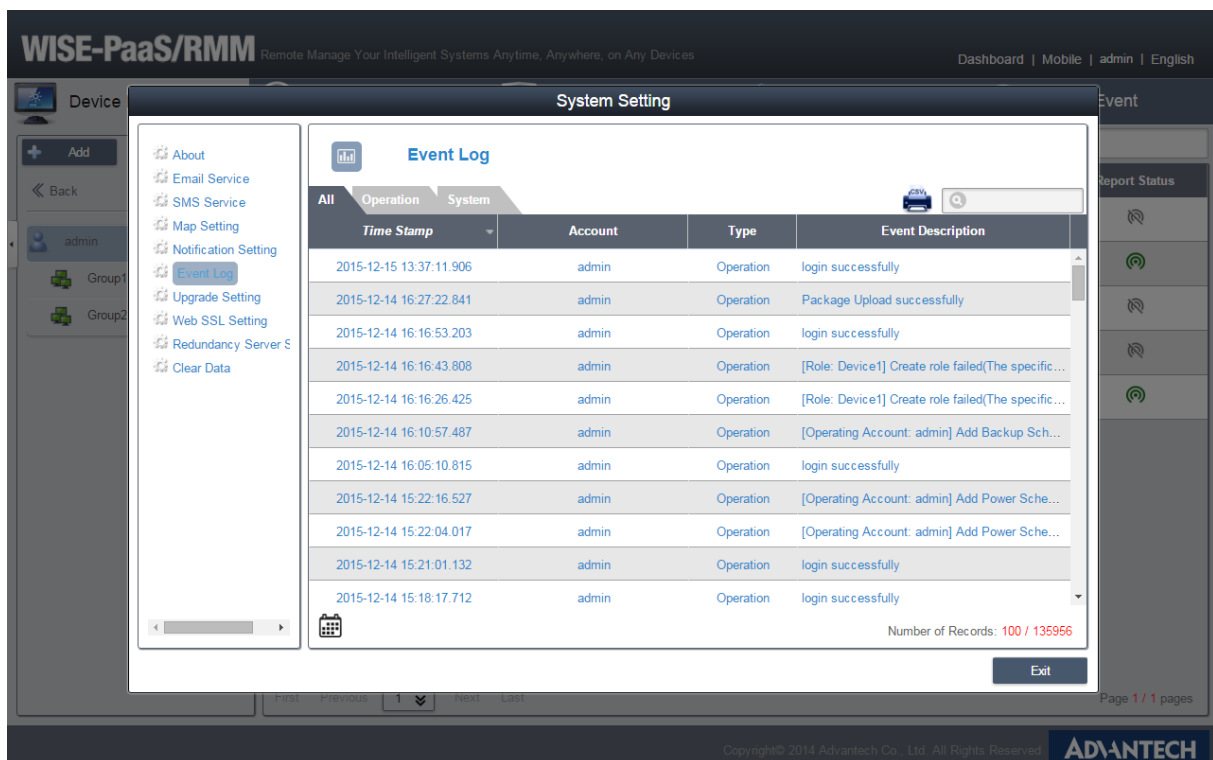
● Advanced settings

Click “Advanced settings” for message language of Email and SMS, cycle days of system automatically sends inspection report, system warning of low hard disk space and external SYSLOG event server setting.



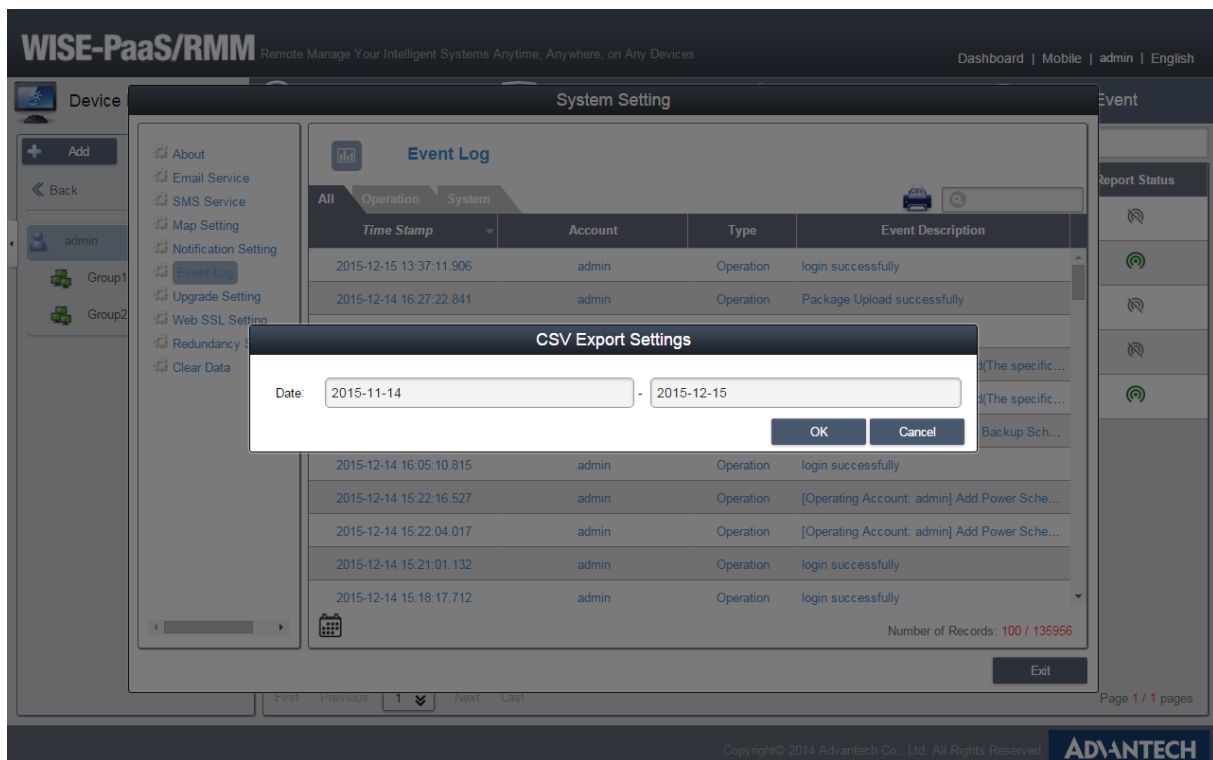
3.8.6. Event Log

Select event log type (All/Operation/System) to browse related events.



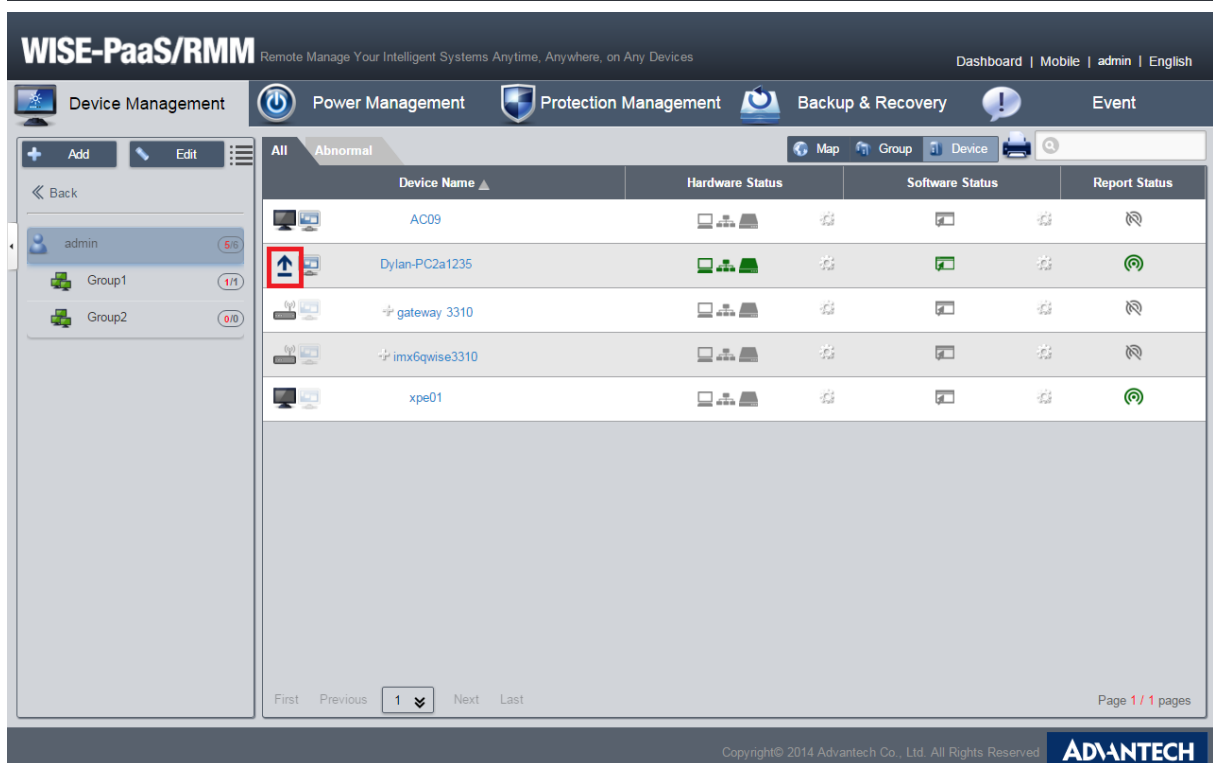
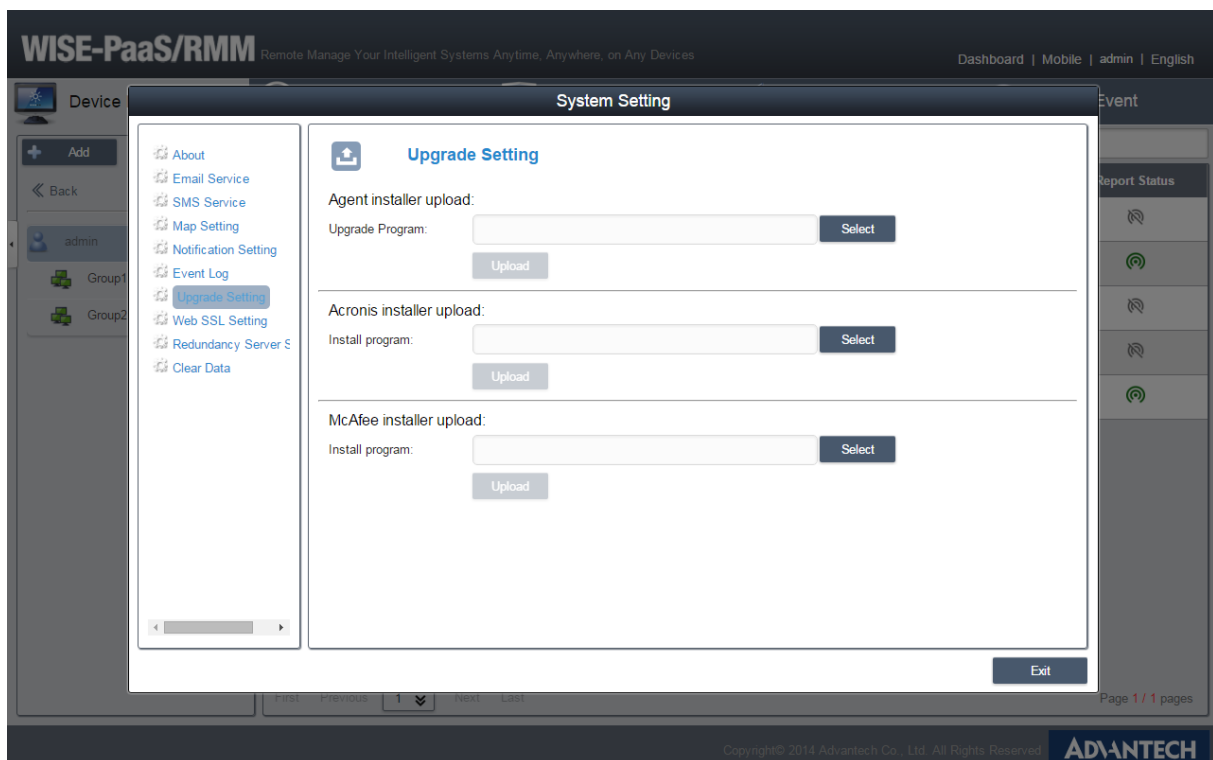
● Export CSV

Select data/time range to export event log as CSV format to local side.



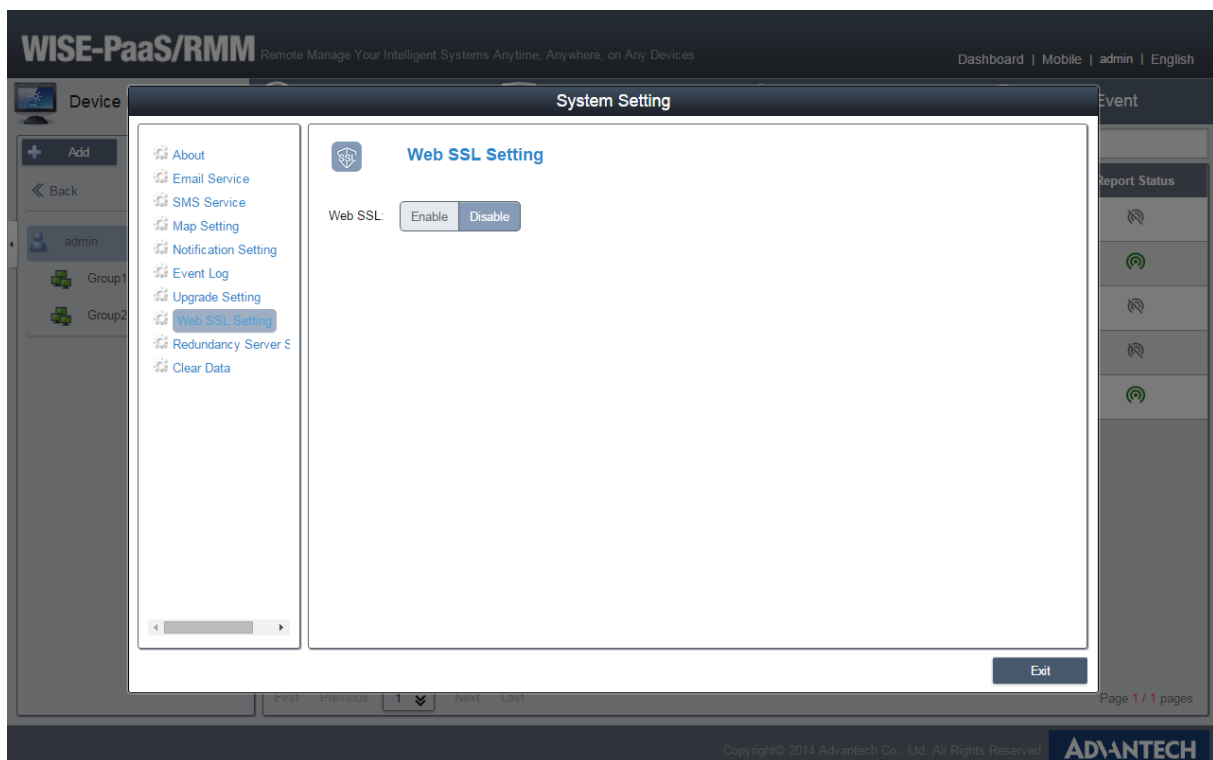
3.8.7. Upgrade Setting

Use “RMM 3.1 Package.exe” tool to generate agent upgrade package with zip format, and select “Upgrade Program” to upload Agent upgrade package to server. After uploading, system will auto check all connected agent devices and give hint tag of upgrading on corresponding device list when the users client logs in.



3.8.8. Web SSL Setting

User can switch SSL setting and select the port to open or close SSL.



3.8.9. Redundancy Server Setting

Redundancy management provides the server replication function.

You can build a replication set that the current server as master and the other servers as slave. These slaves will keep synchronizing the data of master.

Once the replication set has been created. The default status of master is primary with the highest priority, and the slaves are secondary with medium/low priority.

All the agents only connect to the server which is primary status.

When master crashing, it will launch failover process. One slave will promote to primary depend on the priority. In this moment, all agent's connection will switch to this new primary.

When master is recovery, it will launch failback process. The master will be primary again.

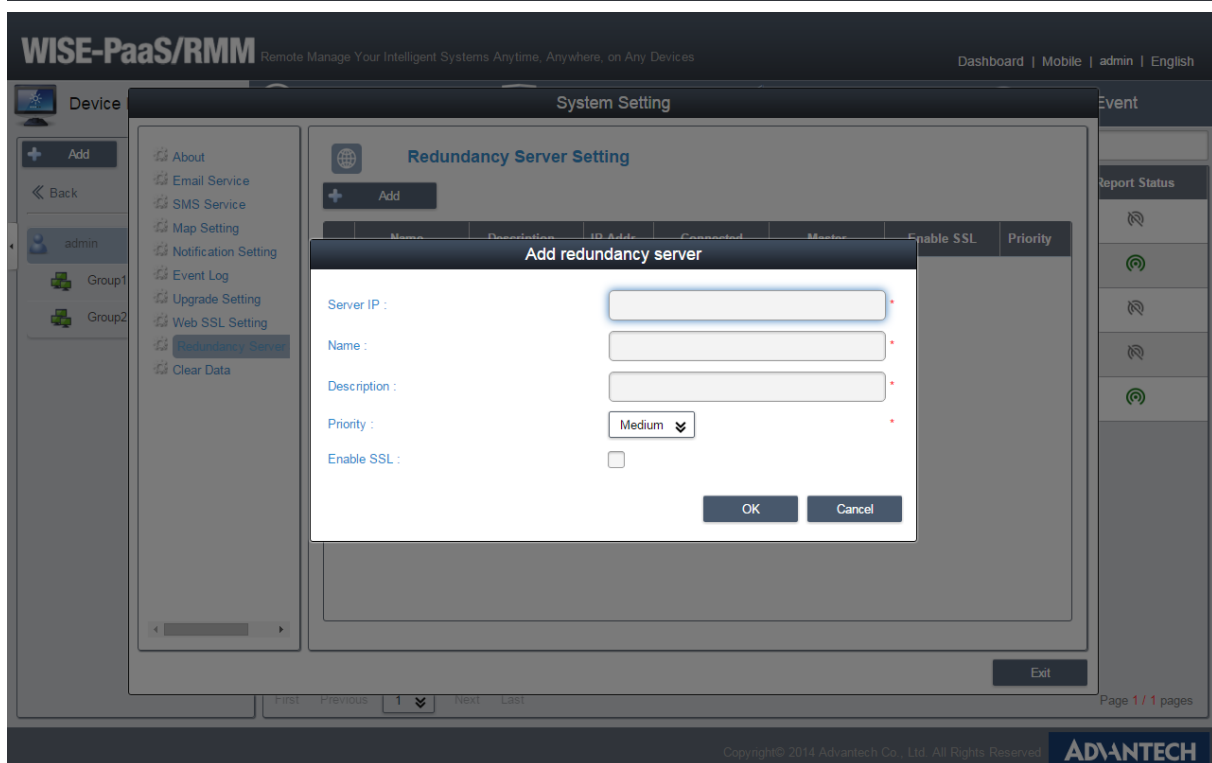
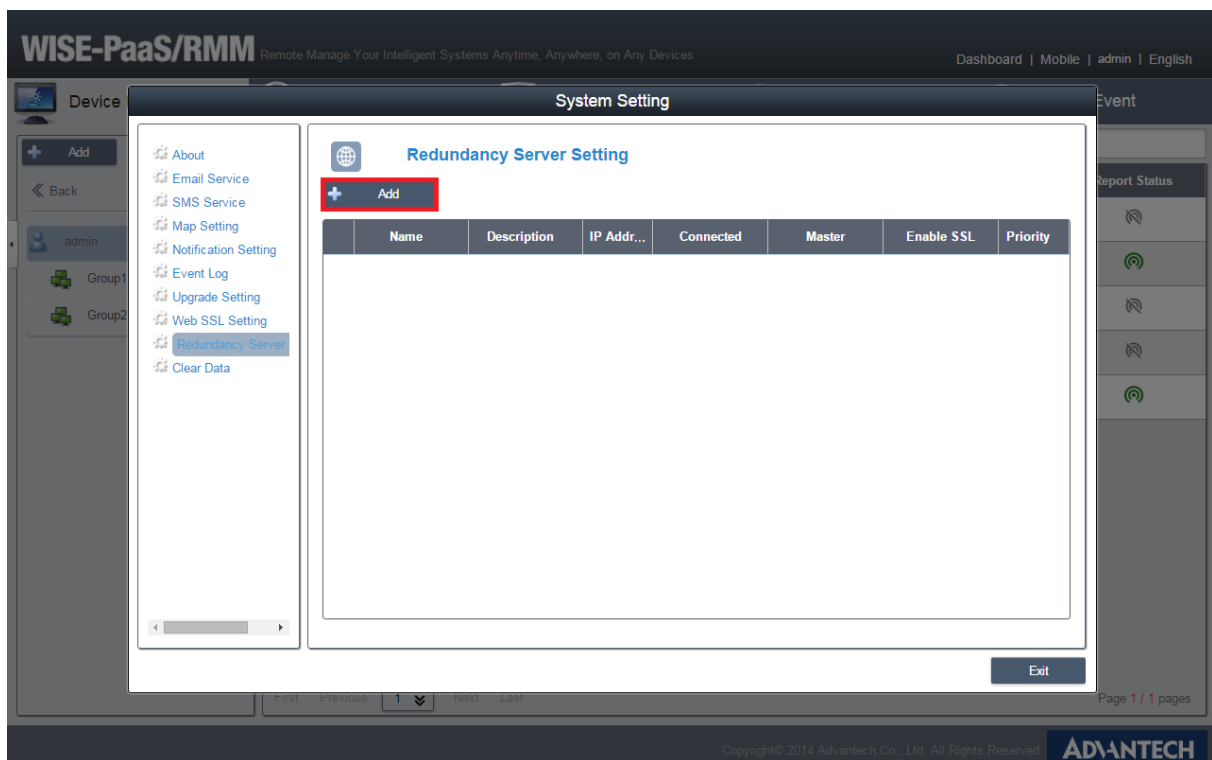
Server crash detection includes the status of management service, tomcat server, FTP server, database and MQTT broker.

Notice:

1. If a server is added to be someone's slave server, its old data will be clear first.
2. If you want to use redundancy feature, you must have a static IP Address (localhost, 127.0.0.1 is not allowed).
3. You have to reboot your server PC before doing redundancy if you have never rebooted your PC after RMM server installation.

● Add Redundancy Server

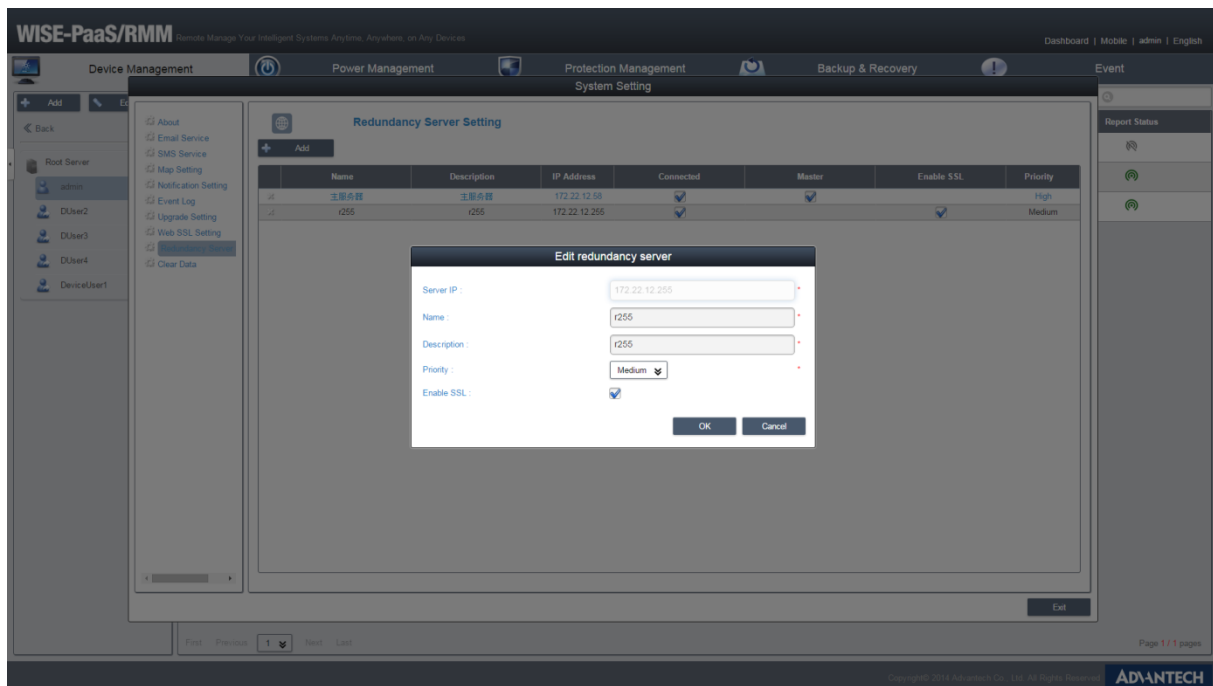
Click on the button "Add" to add a redundancy server. Users can input the server ip, name, description, set priority and ssl check for the server.



● Edit Redundancy Server

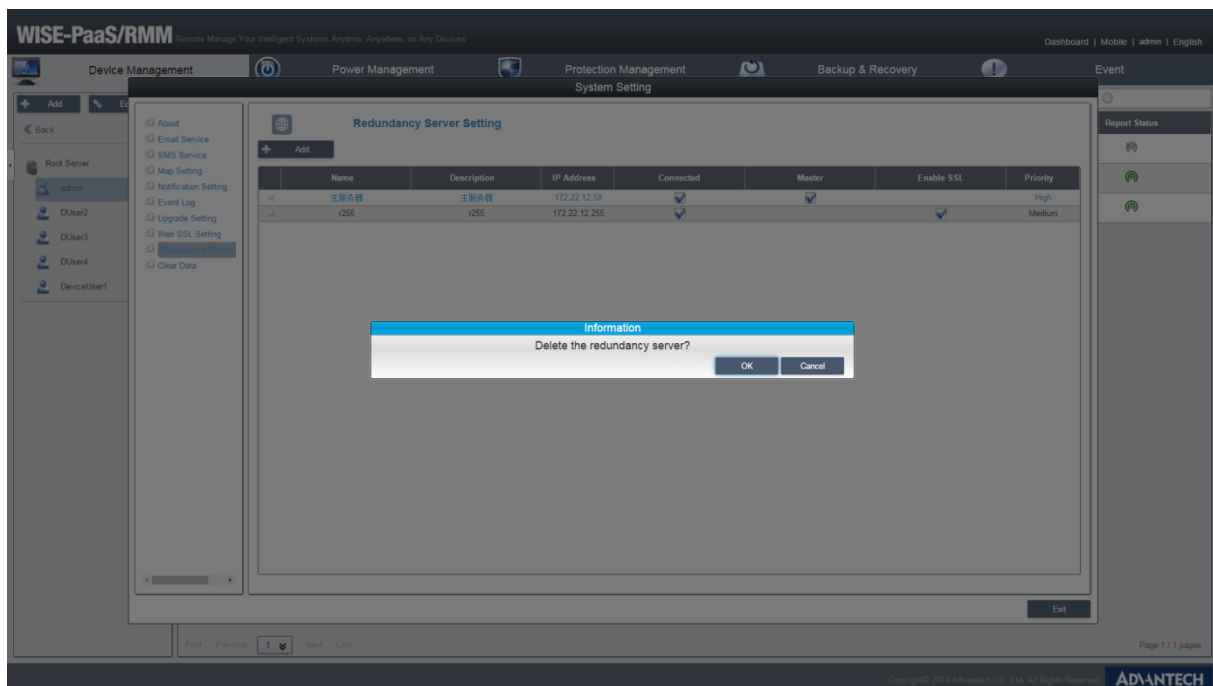
Click on one of the fields of which server items to pop up the dialog of “Edit Redundancy Server” for editing.

You can only edit the server which is connected status



● Delete Redundancy Server

Click on the icon “X” next to the server item to delete the redundancy server.



3.8.10. Clear Data

Manually or set up automatic period to clean event logs.

WISE-PaaS/RMM

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System Setting

About

Email Service

SMS Service

Map Setting

Notification Setting

Event Log

Upgrade Setting

Web SSL Setting

Redundancy Server S

Activation Setting

Clear Data

Clear Data

Operation log clearance settings

☒ System will automatically clear the device logs before the following period

365

Days (7~1000)

Clear device events manually

☒ System will automatically clear the operation/system logs before the following period

90

Days (7~1000)

Clear operation/system events manually

Delete device data

Delete device data before :

2015-12-14

Clear device data manually

Exit

Event

Report Status

Page 1 / 1 pages

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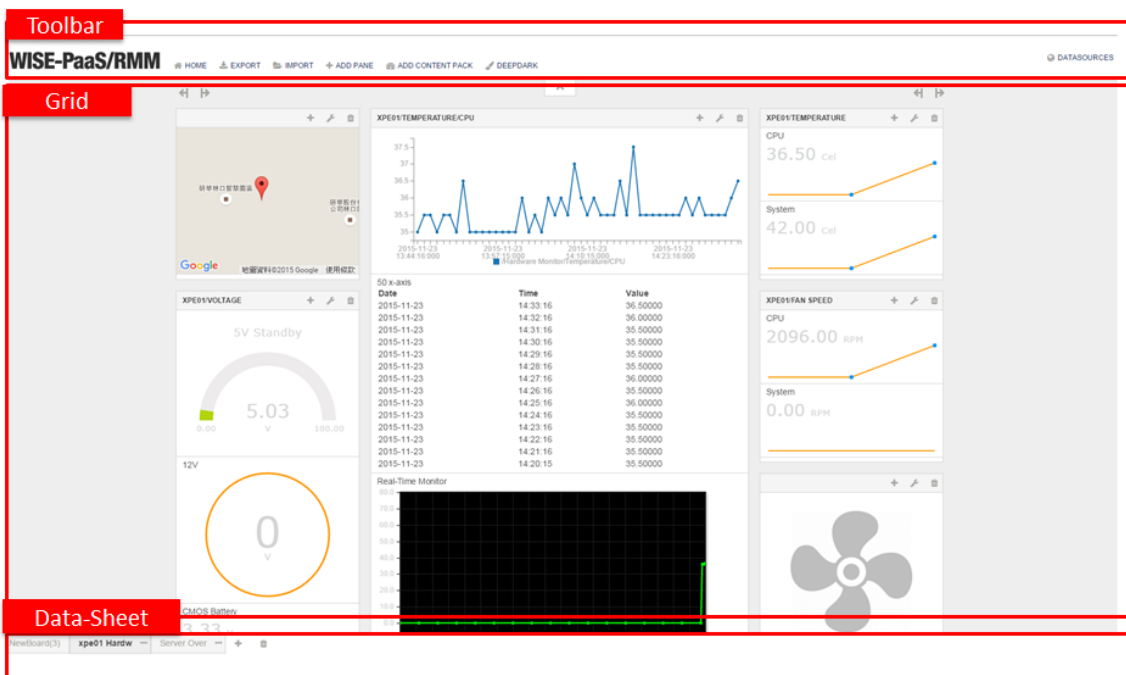
ADVANTECH

4. Dashboard

Dashboard is a HTML-based engine for visualizing all kind of real-time and historic data from IoT devices, it provides a variety of widgets and data sources to help user create IoT dashboard. After user login the system, you can see the hyperlink of dashboard in the top-right corner of system banner.



After user access to dashboard page, user can see the dashboard layout as below:



It consists of three parts: **Toolbar**, **Grid** and **Data-Sheet**.

- **Toolbar**

Toolbar provides basic main functions for dashboard management: HOME, EXPORT, IMPROT, ADD PANE, ADD CONTENT PACK, CLEARWHITE/DEEPPARK and DATASOURCES.

- **Grid**


Grid supports intuitive drag-and-drop widgets from spanning multiple columns. It stores all the widgets and data sources from data-sheet. After fetch data from data source, the widget value will be updated automatically.

- **Data-Sheet**


When user redirect to dashboard page, the system will generate default sheet that named

“NewBoard”. Each user can establish eight sheets.

4.1 Back to RMM

Click link button  HOME to redirect to device management page

4.2 Export Dashboard

Click link button  EXPORT to export and save current sheet information with JSON format file.

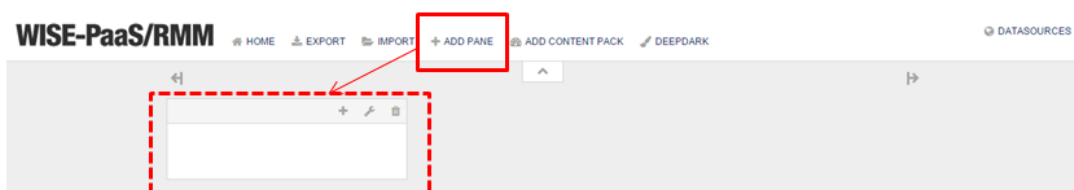
4.3 Import Dashboard

Click link button  IMPORT to import/upload sheet information with JSON format file


4.4 Pane Control

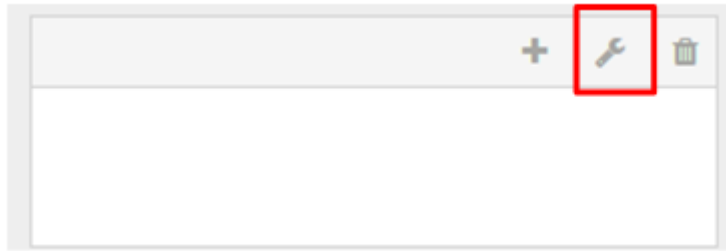
● Add Pane

Click link button  ADD PANE to add a new PANE into grid



● Edit Pane

Click  to edit/modify the width and name of PANE.



After clicking, the dashboard will pop-up PANE settings dialog.

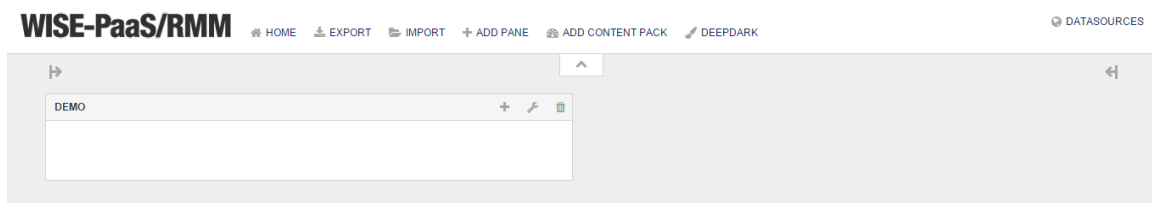
PANE

TITLE
A maximum of 100 characters


* COLUMN WIDTH
Up to 4 block

SAVE CANCEL

If user change column with from 1 to 2. The pane will occpy two columns.



● Delete Pane

Click  to delete pane from dashboard.




After clicking, the dashboard will pop-up delete confirmation dialog.

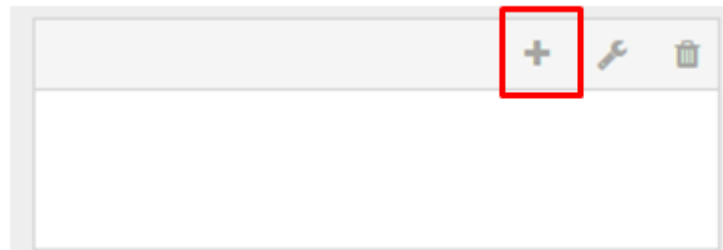
DELETE CONFIRMATION

Pane(demo) Are you sure you want to delete ?

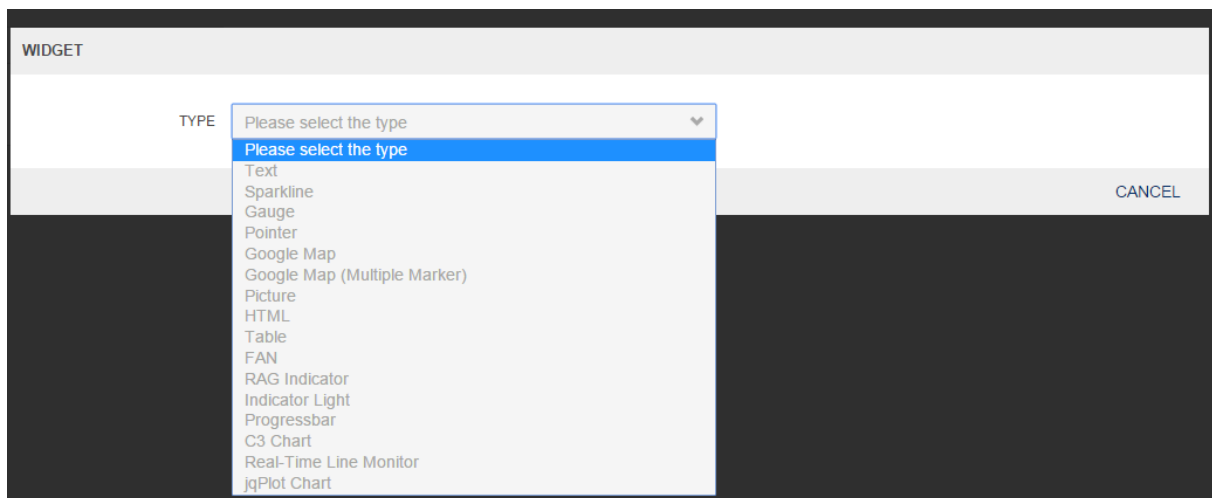
YES NO

● Add Widget

Click  to create widget into pane. Pane can support multiples widgets.



After clicking, the dashboard will pop-up widget dialog. User can select type to switch different settings of widget.



For example, user can select text widget to monitor real-time data from WISE-PaaS/RMM Real-Time Data.

Click **“Text”** to switch WIDGET settings. This is very important to set **DATA field** from data source.

WIDGET

This is a widget that can display text and sparkline chart.

TYPE

Text

TITLE

A maximum of 100 characters

TEXTSIZE

Please select the type

DATA

A maximum of 2000 characters

+ DATASOURCE

JSON VIEWER

JS EDITOR

* DECIMAL

2

COMMA

No

METRIC PREFIX

No

A metric prefix is a unit prefix that precedes a basic unit of measure to indicate a decadic multiple or fraction of the unit. Each prefix has a unique symbol that is prepended to the unit symbol.

UNITS

A maximum of 20 characters

ANIMATE VALUE CHANGES

Yes

INCLUDE SPARKLINE

No

CHART TYPE

Please select the type

* CHART COLOR

#ff9900

Default: #ff9900

* COLOR RANGE (MAX/MIN)

#049eff

Default: #049eff

HEIGHT

5

Number of blocks. 1 block 60 pixels. 10 to block.

SAVE

CANCEL

If user chooses invalid data from data source, the text widget cannot be display.

The detail data format will be explained in the following table:


Widget	Data format
Text	NUMBER or TEXT (DOESNOT DISPKAY SPARKKINE)
Sparkline	NUMBER
Gauge	NUMBER
Pointer	NUMBER
Google Map	NUMBER for latitude and longitude
Google Map (Multiple marker)	ARRAY [[<MARKER_NAME>,<LAT>,<LONG>]]
Picture	URL
HTML	TEXT
Table	JSON Object, two columns sample { "header":[

	<pre> "<COL_NAME_1>", "<COL_NAME_2>"], "data":[{ "<COL_NAME_1>": "<COL_NAME_1_VALUE>", "<COL_NAME_2>": "<COL_NAME_2_VALUE>" }] } </pre>
FAN	NUMBER On: 1, Off: 0
RAG indicator Light	NUMBER RED:2 Amber: 1 Green: 0
Progress bar	NUMBER
C3 Chart	JSON Object. Reference to http://c3js.org/
Real-Time Line Monitor	NUMBER
jqPlot chart	JSON Object {"result":{"unit":"5_MINUTE","itemList":[]}}

● DATASOURCE Field Format

The Data field format is `datasource["<DATA_SOURCE_GIVEN_NAME>"]["<JSON_KEY>"][..]`

● DATASOURCE Selection

Click  **DATASOURCE** to parse data of JSON from data sources.

This is a widget that can display text and sparkline chart.

TYPE

TITLE

A maximum of 100 characters

TEXTSIZE

DATA + DATASOURCE

* DECIMAL

User need to choose valid data into the widget.

This is a widget that can display text and sparkline chart.

TYPE

TITLE

A maximum of 100 characters

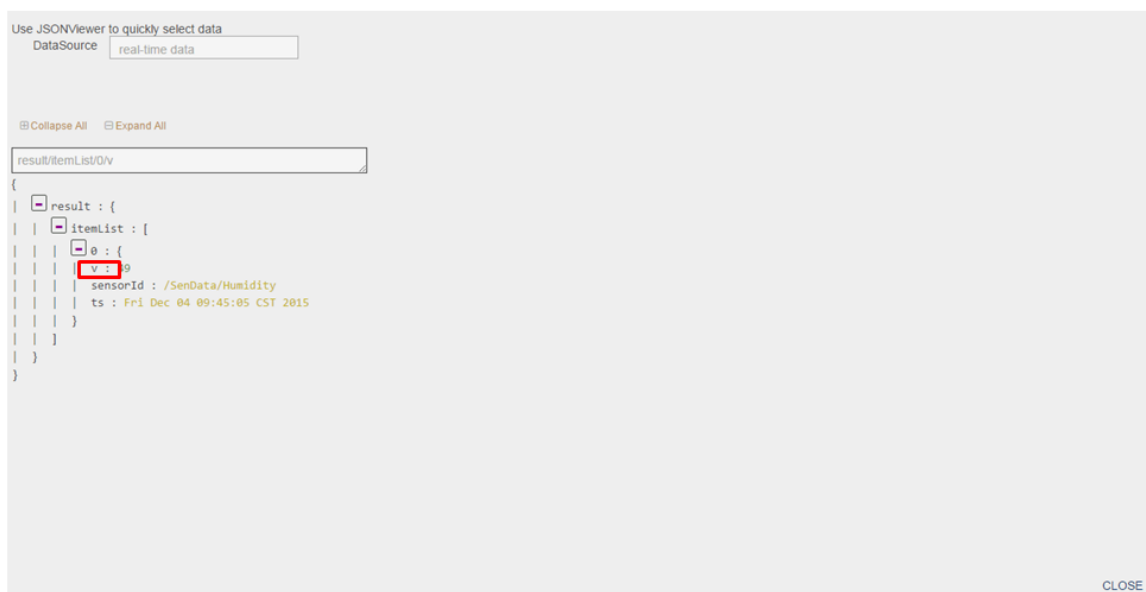
TEXTSIZE

DATA + DATASOURCE JSON VIEWER JS. EDITOR

A maximum of 2000 characters

● JSON VIEWER Selection

Click  **JSON VIEWER** to get data of JSON from data sources with readable JSON viewer.



User can click key of JSON to render data into widget.

This is a widget that can display text and sparkline chart.

TYPE

TITLE


A maximum of 100 characters

TEXTSIZE

DATA + DATASOURCE

A maximum of 2000 characters

● JS. EDITOR Selection

 JS. EDITOR

Click to re-calculate data of JSON with java script syntax.

WIDGET

This is a widget that can display different lights (red, amber, green) according to the state

TYPE

TITLE

DATA + DATASOURCE

GREEN TEXT + DATASOURCE

AMBER TEXT + DATASOURCE

RED TEXT + DATASOURCE

STYLE (NORMAL, DIM, FLASH) + DATASOURCE

SAVE CANCEL

After clicking, the dashboard will pop-up syntax code dialog. User can write some syntax code to re-calculated data. Use return to pass new data.

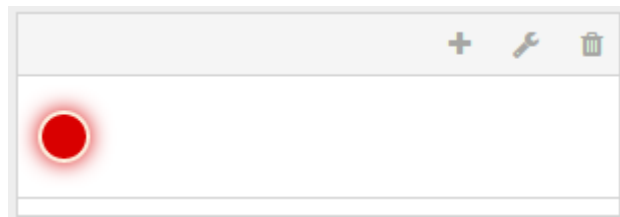
This JavaScript will be re-evaluated each time reference data source is updated. And return value will be displayed in the widget. You function `function (datasources)` can be used to describe the contents in JavaScript of argument datasources is an array of the added data source.
The argument `global` it is possible to store a variable of the script out of scope to. (Note: You can not be shared between different script.)
The following library functions you can use. jQuery 2.1.3, lodash 3.4.0, moment 2.9.0, moment-timezone 0.3.0.

```
1 var currentVal = datasources["real-time data"]["result"]["itemList"]["0"]["v"];
2 if(currentVal > 5){
3   return 2;
4 }else{
5   return 0;
6 }
```


var currentVal = datasources["real-time data"]["result"]["itemList"]["0"]["v"];
if(currentVal > 5){
 return 2;
}else{
 return 0;
}

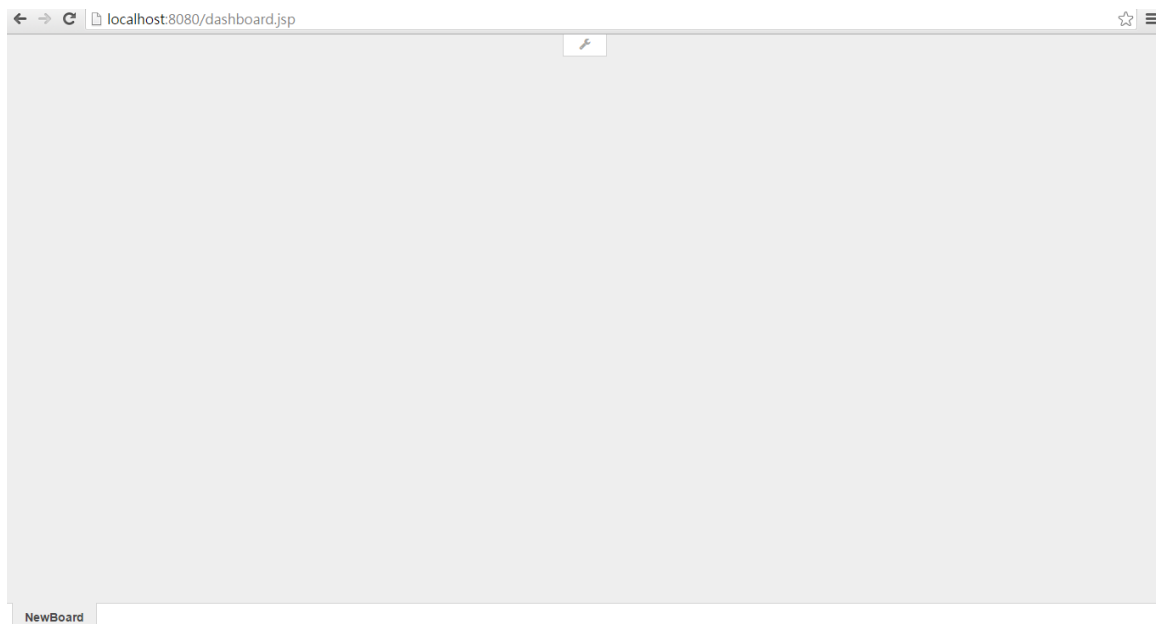
CLOSE


For example, if current voltage more than 5, the RAG indicator will be display RED light. Otherwise it will be display GREEN light.



4.5 Dashboard view mode (VIEW/EDIT)


Click icon  to switch dashboard to view mode.

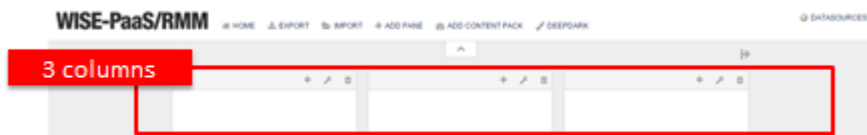



In view mode, all actions will be hided. After clicking , it will be changed to EDIT model.

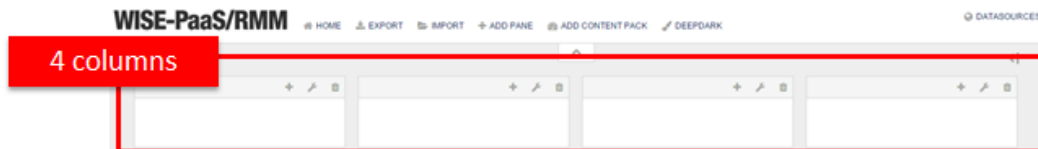
4.6 Columns Control


- Increase and Decrease Width of Grid

Click icon  to switch dashboard to increase width of grid (Default is three columns).



After clicking icon , it will display four columns.



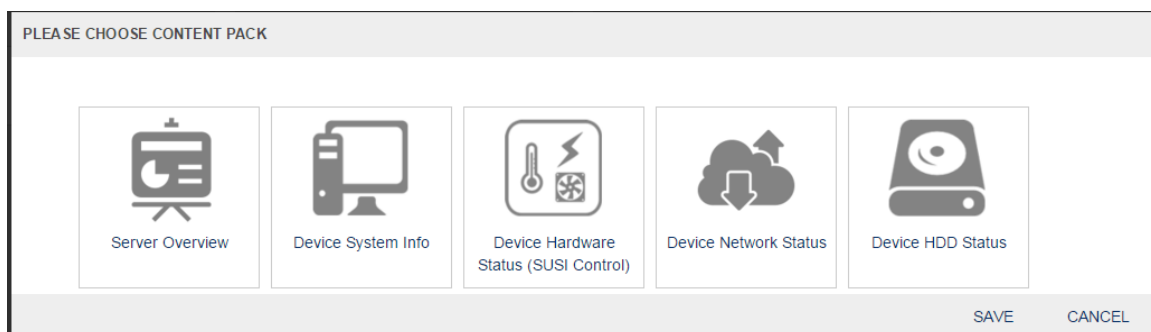
Otherwise click icon  to decrease width of grid.

4.7 Content Pack Control

Content pack control is powerful tool that can help user to create rich dashboard quickly and let user know how to create widgets and data sources. It provides five templates for server overview and monitor devices' status.

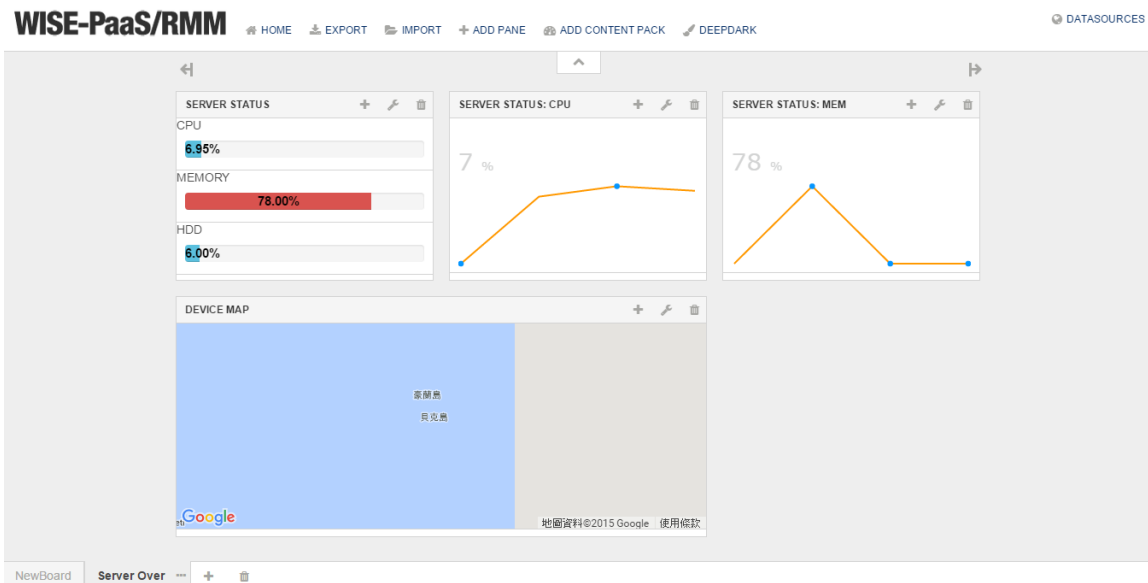
- **Add Content Pack**

Click link button  **ADD CONTENT PACK** to open content packs dialog.



- **Server Overview**

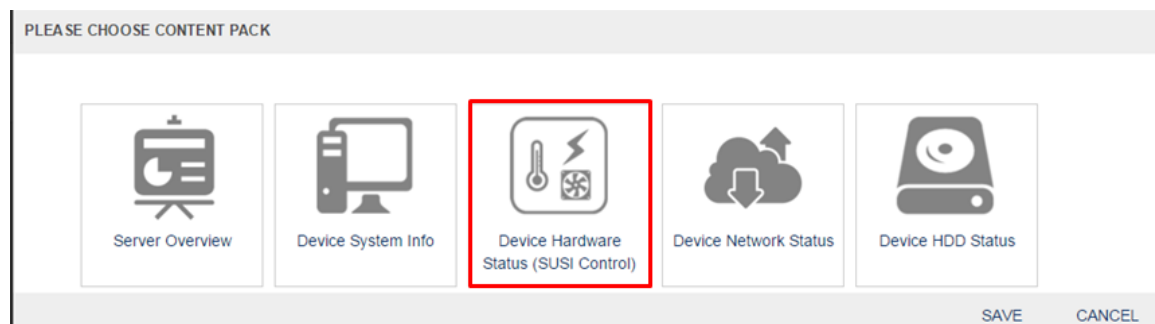
Click **"Server overview"** icon to monitor server status for CPU/MEM/HDD and devices' map



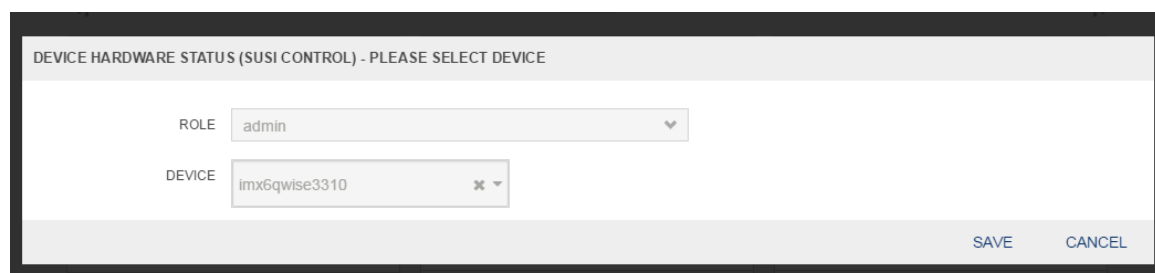
Note: In devices' map widget, user need to set location information to each device.

● Device Hardware Status (SUSIControl)

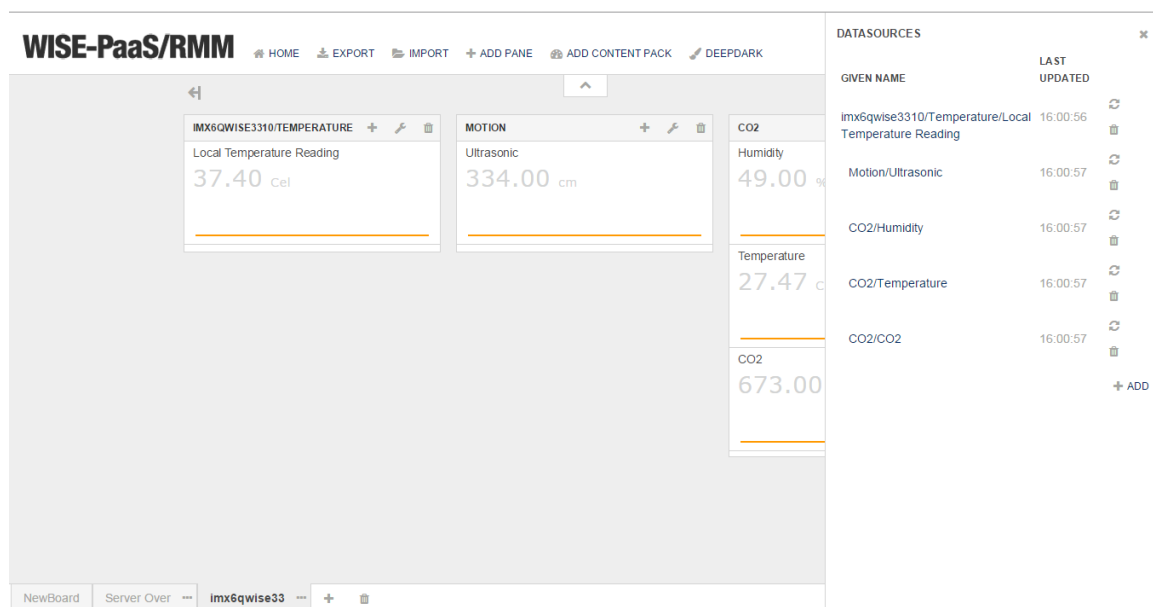
Click **"Device hardware status (SUSIControl)"** to monitor device status with SUSIControl drive.




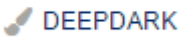
After clicking, the dashboard will pop-up device selection dialog.



User can select device and click **"SAVE"** to create SUSIControl sheet. If the device is gateway, content pack will show the SenHub monitor by default.

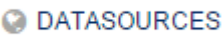


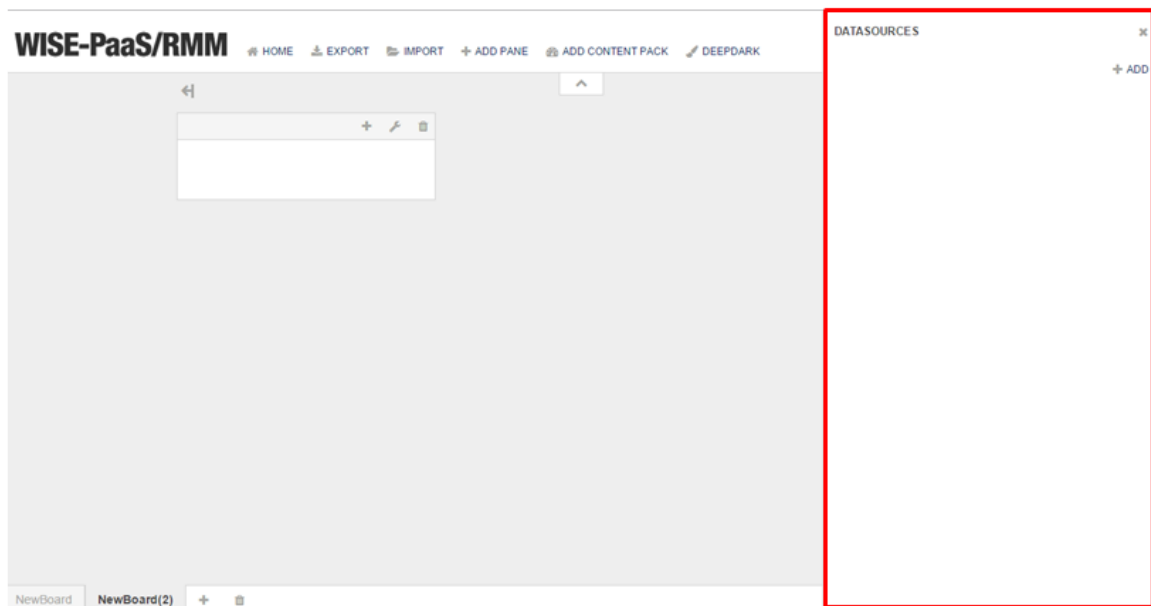
4.8 Theme Control

Click link button  to change CLEARWHITE theme, otherwise click link button  to change DEEPPARK theme

4.9 Data Sources Control

● Open Data Source Panel

Click link button  to open data sources panel in right-hand side.

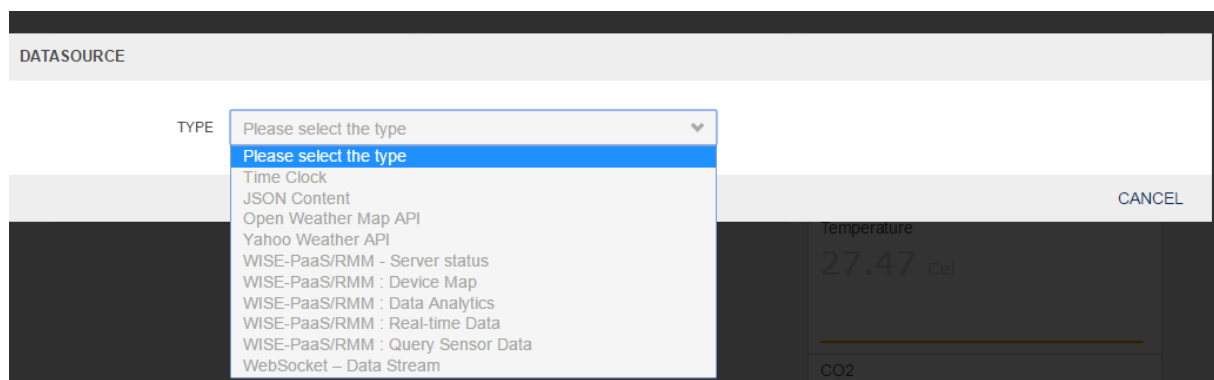


- **Close Data Sources Panel**



- **Add Data Source**

Click **"ADD"** to open data sources' types dialog. The dashboard provides 10 different types data sources. The data sources can consists two categories: one is 3rd packages, another is WISE-PaaS/RMM packages. Use WISE-PaaS/RMM data sources can easily fetch Device data from RMM REST APIs.



The dashboard supports the following data sources:

Data Source Name	Description
------------------	-------------

Time Clock	This data source is updated at specified intervals, returns the current time in a different format.You can display a timer on the screen, the widget will be able to use in order to refresh at regular intervals.
JSON Content	This datasource will receive the JSON data from the specified URL.
Open Weather Map API	This datasource will receive a variety of weather data, including the weather and forecasts history.
Yahoo Weather API	This datasource will receive a JSON data by using Yahoo Weather API
WISE-PaaS/RMM – Server status	This datasource will receive a Server Status JSON data.
WISE-PaaS/RMM – Device Map	This datasource will receive a Device Map JSON data.
WISE-PaaS/RMM – Data Analytics	This datasource will receive a JSON data Analyze result.
WISE-PaaS/RMM – Real-time Data	This datasource will receive a real time JSON data.
WISE-PaaS/RMM – Query Sensor Data	This datasource will receive sensor JSON data.
WISE-PaaS/RMM –WebSocket	This datasource will receive a JSON data by using the WebSocket.

● **Add WISE-PaaS/RMM: Real-Time Data Sources**

Real-Time data will receive real time JSON data from RMM Rest API

(/DeviceCtl/getDeviceData). Please select TYPE 'WISE-PaaS/RMM' and fill form.

DATASOURCE

This datasource will receive a real time JSON data.

TYPE WISE-PaaS/RMM : Real-time Data

* GIVEN NAME real-time data
A maximum of 20 characters

REFRESH EVERY 5 SECONDS

USER admin

DEVICE imx6qwise3310



SENHUB CO2

HANDLER SenHub

SOURCE /SenData/Humidity



SAVE
CANCEL

After filling form, click “SAVE” to save settings into data sources panel.


DATASOURCES		
GIVEN NAME	LAST UPDATED	
real-time data	16:23:40	 
+ ADD		

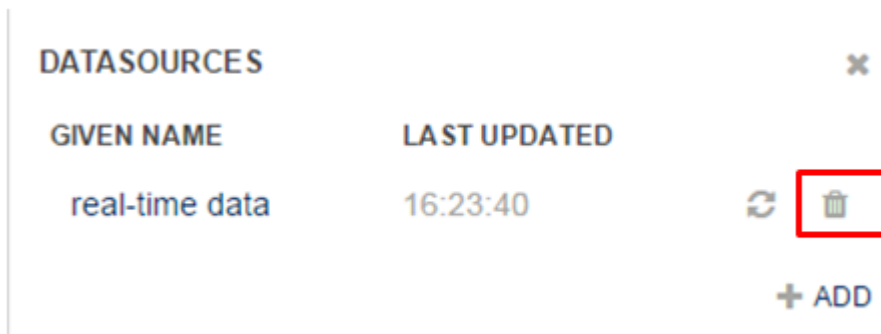
● Edit Data Source

Click given name “**real-time data**” to edit settings

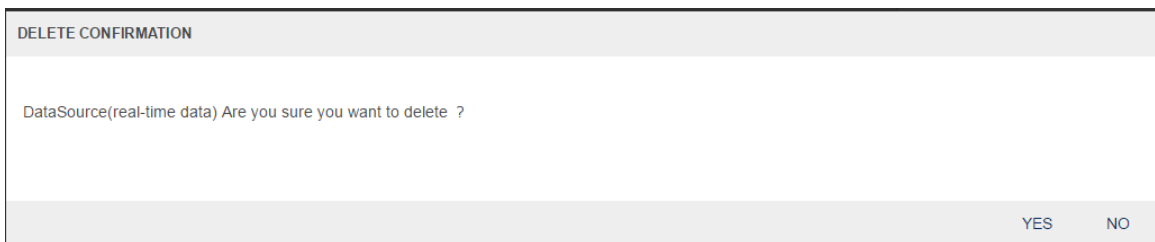
DATASOURCES		
GIVEN NAME	LAST UPDATED	
real-time data	16:23:40	 
+ ADD		

● Delete Data Source

Click  to delete data source item.

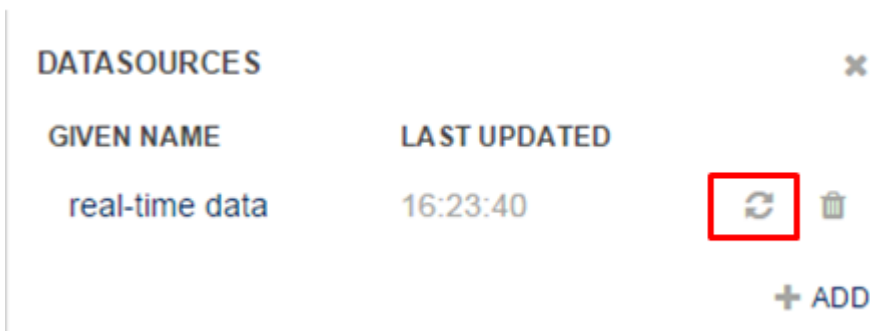


After clicking, the dashboard will pop-up delete confirmation dialog.



- **Manual to Refresh Data Source**

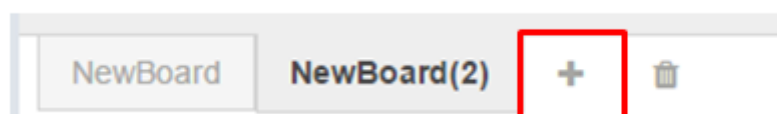
Click to refresh data by manual. After clicking, last updated time will be changed.




4.10 Data Sheet Control

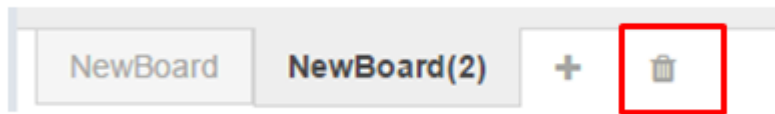
- **Create Sheet**

Click icon to create new sheet named 'NewBoard(NUMBER)'.



- **Delete Sheet**

Click icon  to delete current sheet (highlight)

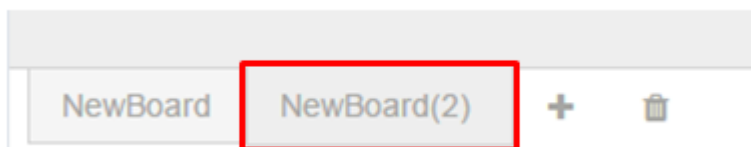


After clicking delete button, it will display confirm dialog widow.



- **Edit Sheet Name**

Double-Click sheet name to edit sheet name. after leaving edit textbox, it will be saved automatically.

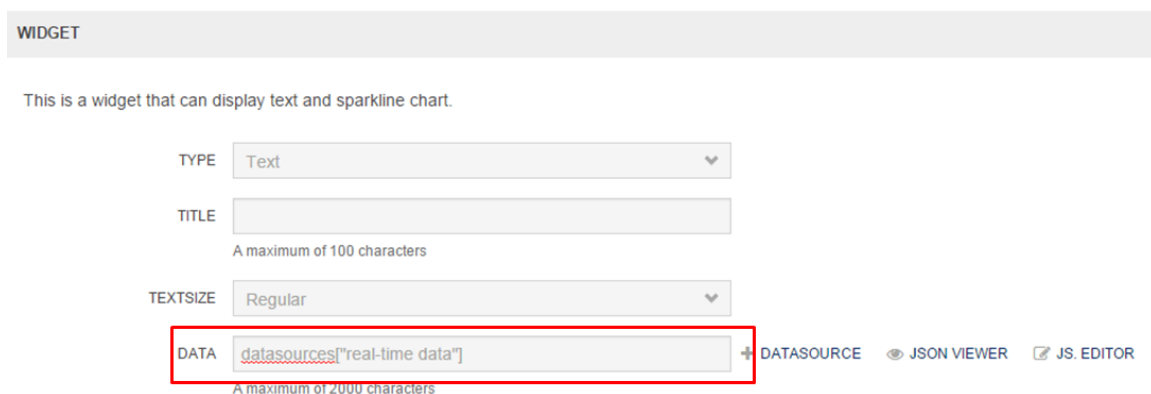


- **Load Sheet**

Click sheet tab to load sheet information (panes/widgets/data sources)

4.11 Data Source adapters

In order to reduce complex data source selection. The dashboard supports adapter mechanism to parse data. Only choose data source with first level, the system will pass valid data into widget automatically. For example in Real-Time data of data source user can change original data source format to “**`datasources[<DATA_SOURCE_GIVEN_NAME>]`**”.



The text widget can fetch data directly.



The dashboard's adapters support the following data sources and widgets

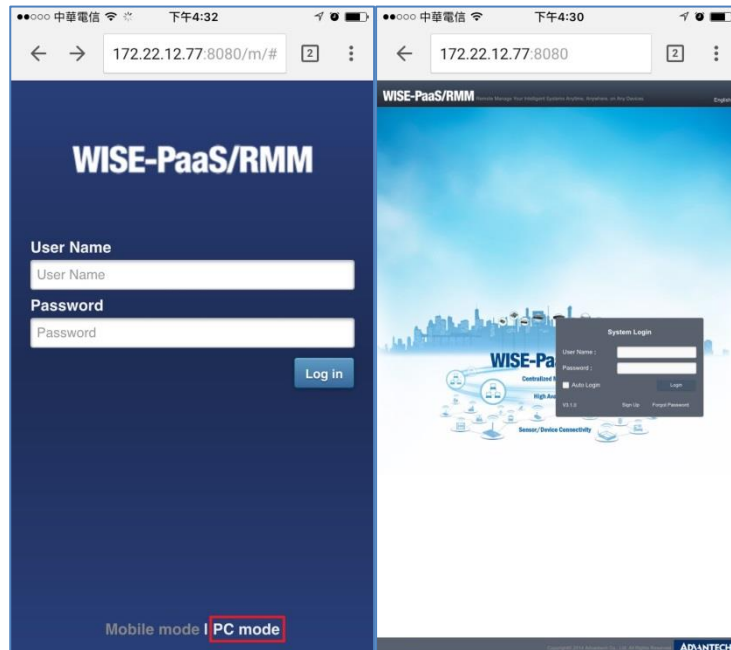
Data Sources	Supports widgets
WISE-PaaS/RMM – Device Map	Google Map (Multiple marker)
WISE-PaaS/RMM – Data Analytics	C3.js/jqPlot/table
WISE-PaaS/RMM – Real-time Data	Pointer/Text/Gauge/Real-Time Line Monitor
WISE-PaaS/RMM – Query Sensor Data	C3.js/table

5. RMM Client (Mobile)

5.1. User Login/Logout

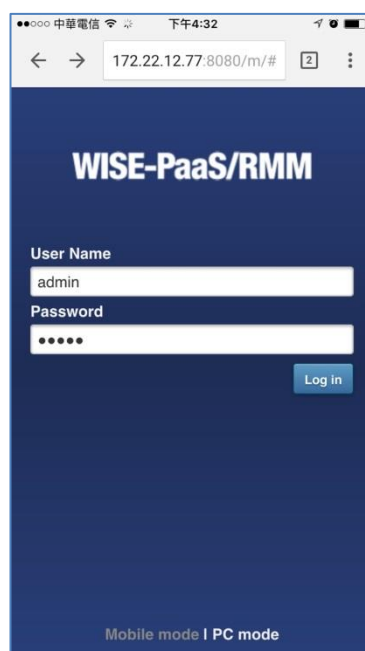
5.1.1 Browsing Mode

- RMM index page auto-detects default browsing mode for mobile device.
- “Mobile mode” provides simple user interface for low-resolution mobile devices.
- “PC mode” can be clicked to switch to large-resolution PC mode portal.



5.1.2 Log In

- Fill in valid “User Name” and “Password” and then click “Log in”.

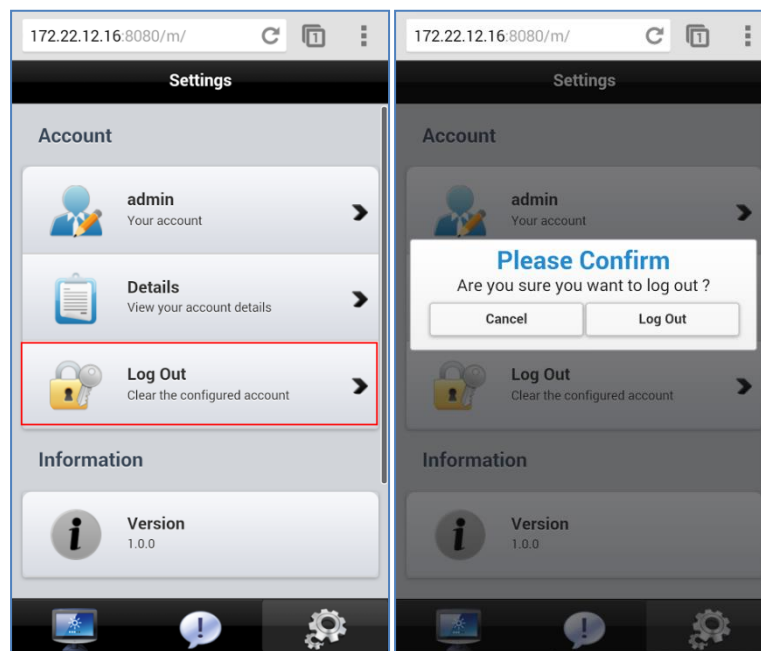


- After successful log in, if server contains sub-server, it will enter to devices page directly.




5.1.3 Log Out

- After confirm log out, page will back to initial **Log In** page



5.2. Devices Management

- Click the icon  to switch to Devices Management page.



5.2.1 View Mode Switch

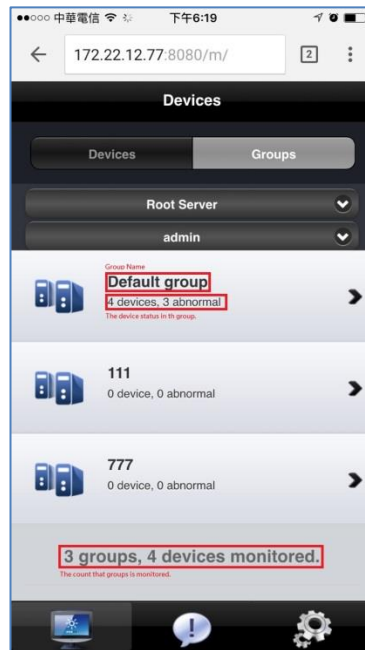
- **Devices mode:**

Click “Devices Tab” to switch to devices mode. It shows all devices information that managed by account.



- **Groups mode:**

Click “Groups Tab” to switch to groups mode. It shows all groups information that managed by account.



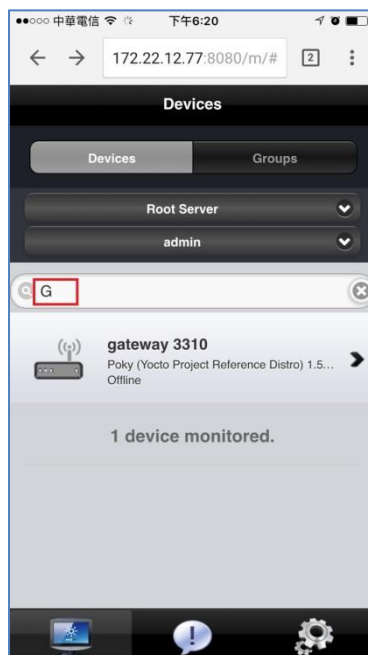
5.2.2 Share Account Switch

- **Switch share account:**
Click “select menu” to select account.



5.2.3 Device Search

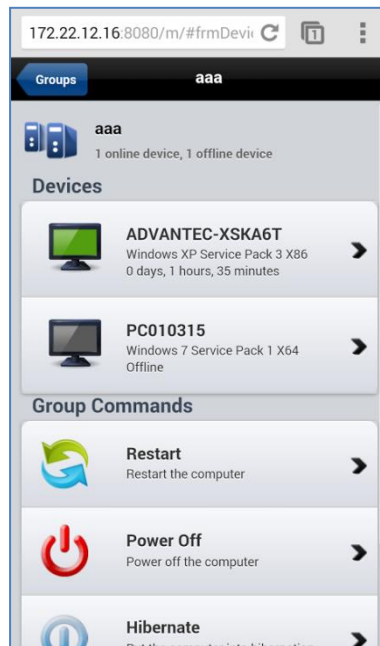
- **Search device by keyword:**
Click “search text bar” to enter keyword for device searching.



5.2.4 Group Control

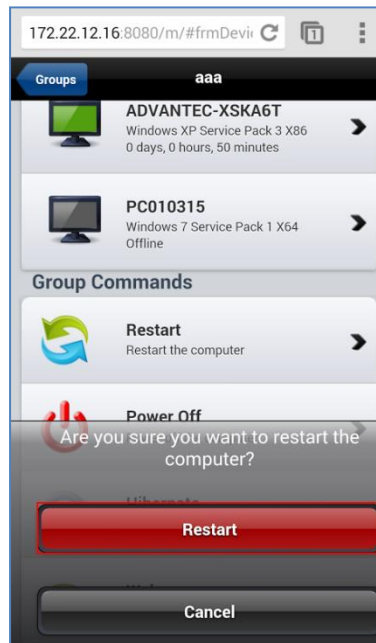
- **Group detailed information:**

Click “Groups Tab” to select targeted group. It shows group information, devices and support group commands.



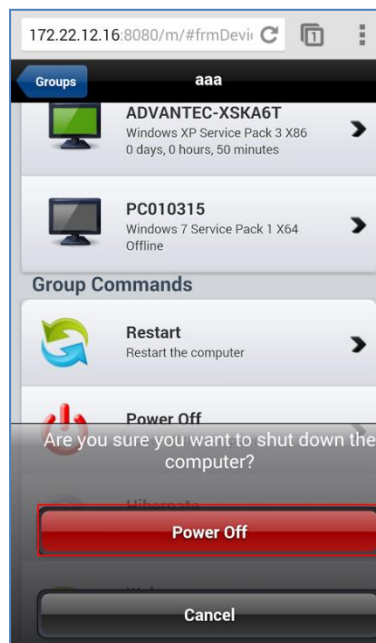
- **Restart group devices:**

Click “Restart” item and confirm the pop up warning. System will restart all devices in group.



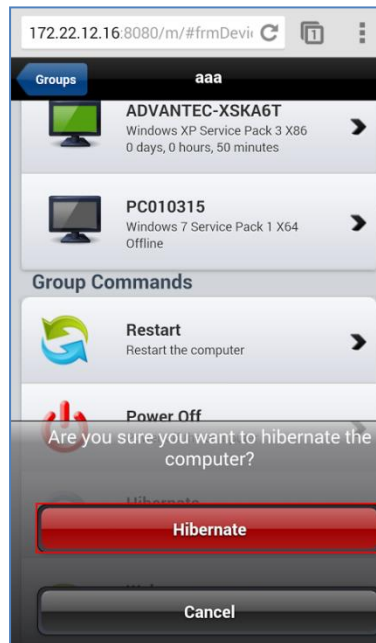
- **Power off group devices:**

Click **“Power Off”** item and confirm the pop up warning.
System will power all devices off in the group.



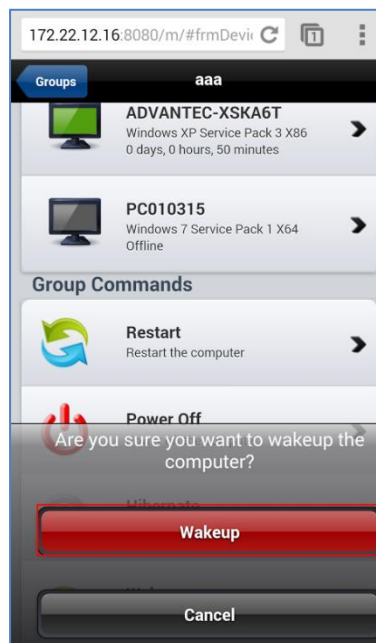
- **Hibernate all devices of the group:**

Click **“Hibernate”** item and confirm the pop up warning.
System will hibernate all devices in the group.



- **Wakeup group devices:**

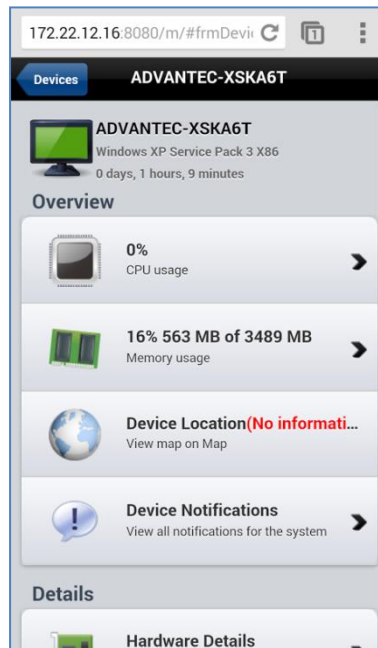
Click “**Wakeup**” item and confirm the pop up warning.
System will wake up all devices in the group.



5.2.5 Device Control– IPC

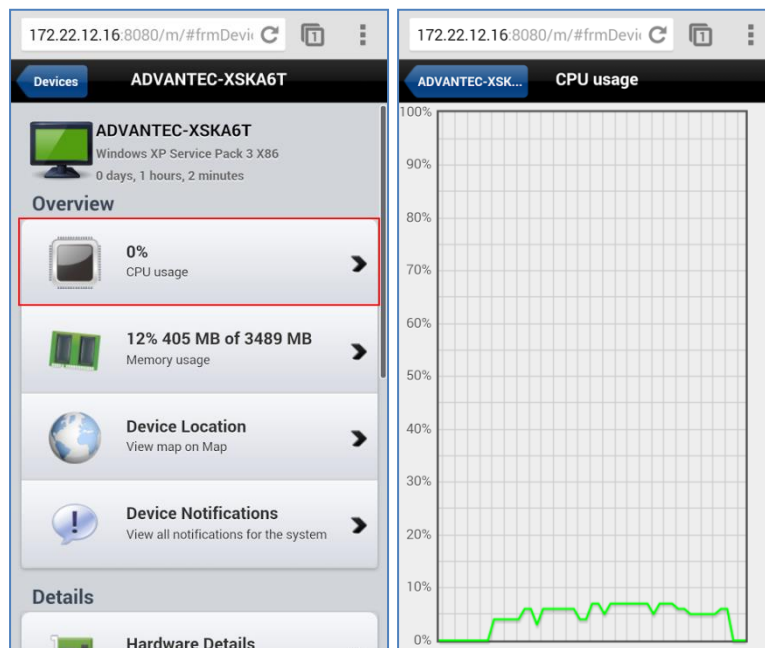
- **Device detailed information:**

Click target IoT device.



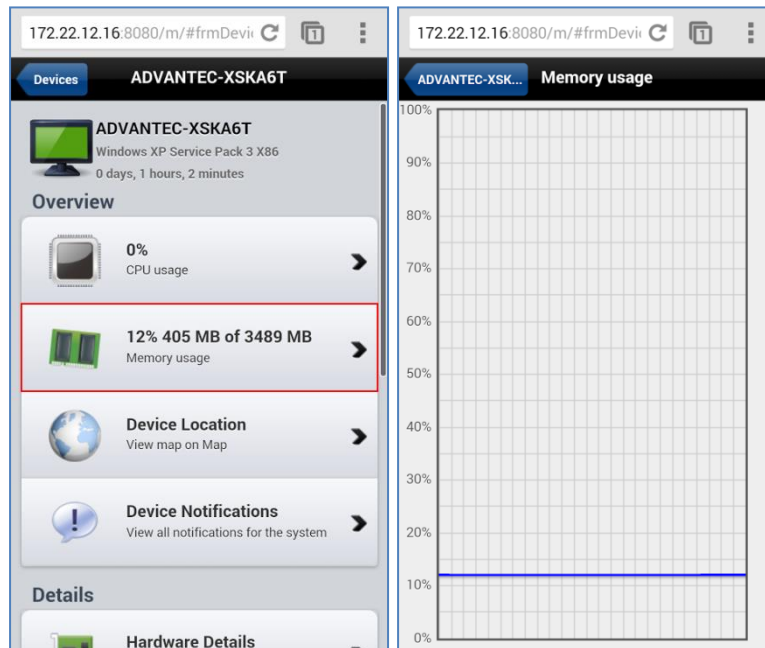
- **CPU usage:**

Click target device and click “CPU usage” to view curve chart of CPU usage.



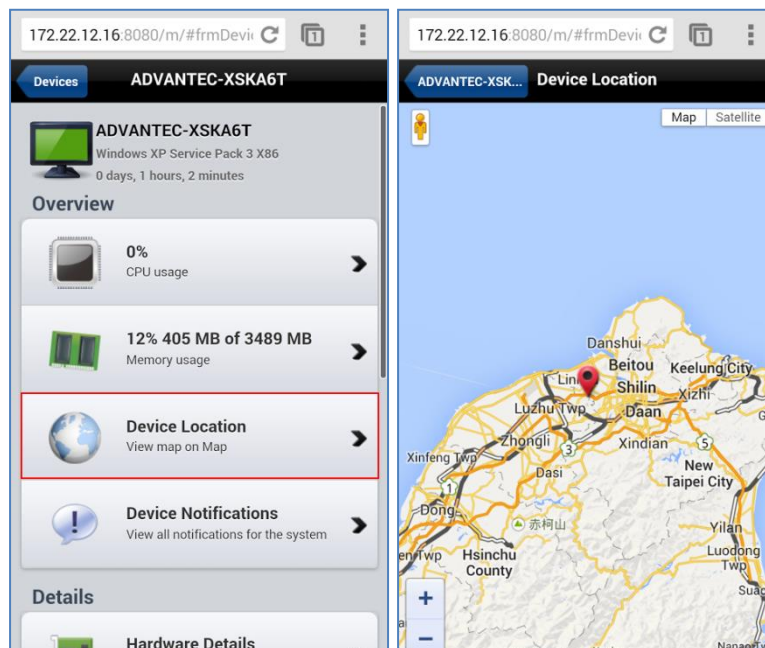
- **Memory usage:**

Click target device and click “Memory usage” to view the memory curve chart.



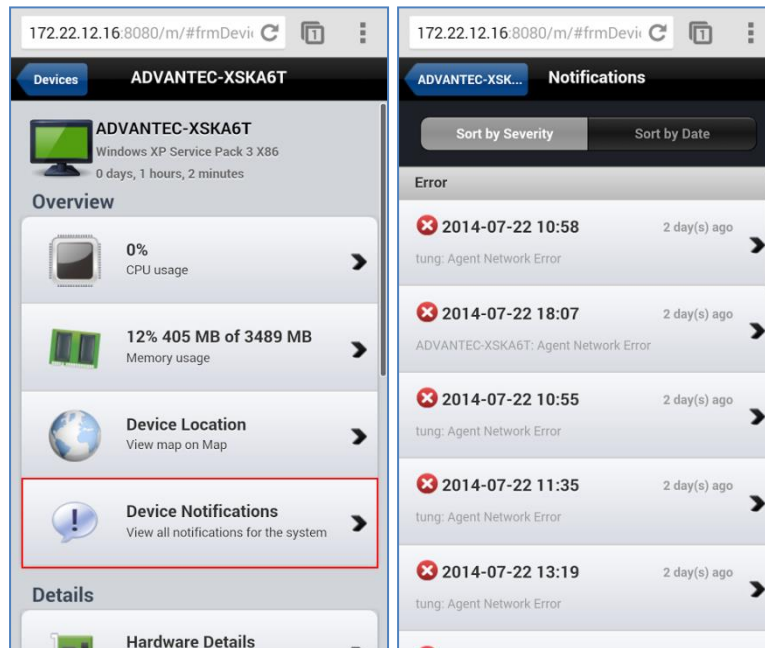
- **Map:**

Click target device and click “Device Location” to view the location of your device on Google Maps.



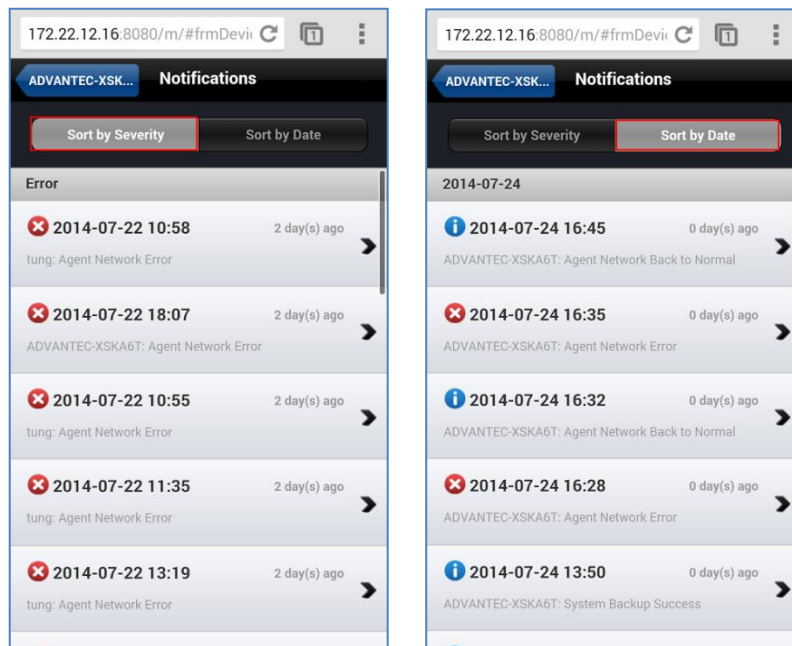
- **Notifications:**

Click target device and click “Device Notifications” to view the notifications of your device.



■ **Sort notifications of device by severity:**

Click target device and click “Device Notifications” and click “Sort by Severity”.

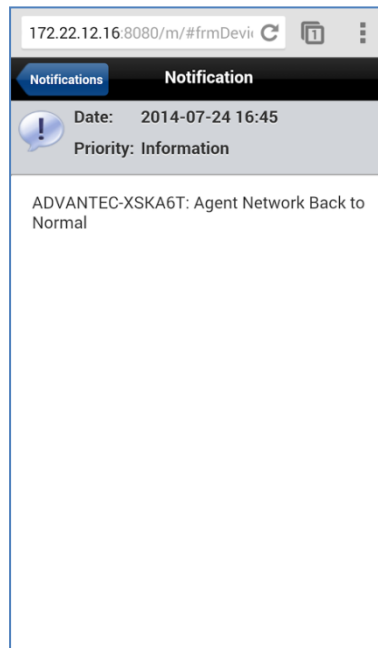


■ **Sort notifications of device by date:**

Click target device and click “Device Notifications” and click “Sort by Date” Tab.

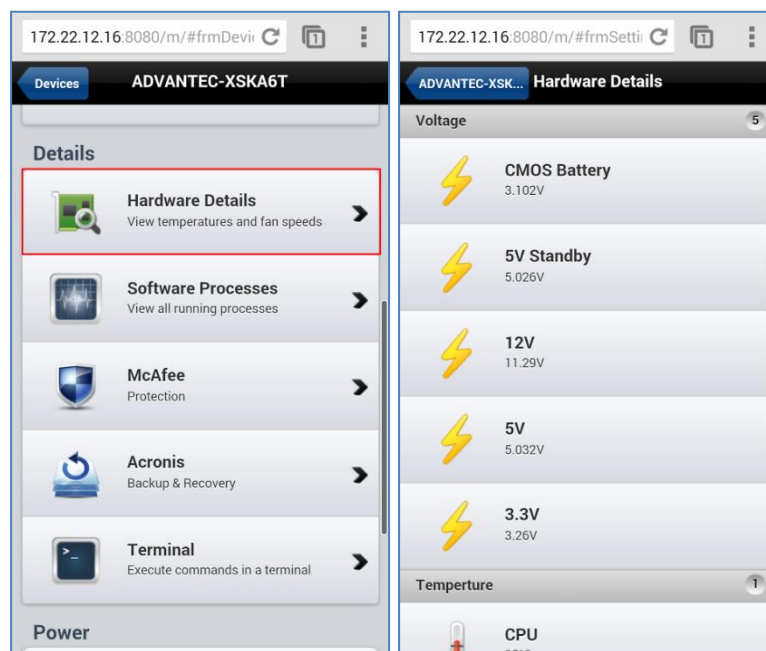
■ **View one of device notification:**

Click target device → click “Device Notifications” → click one of notifications.



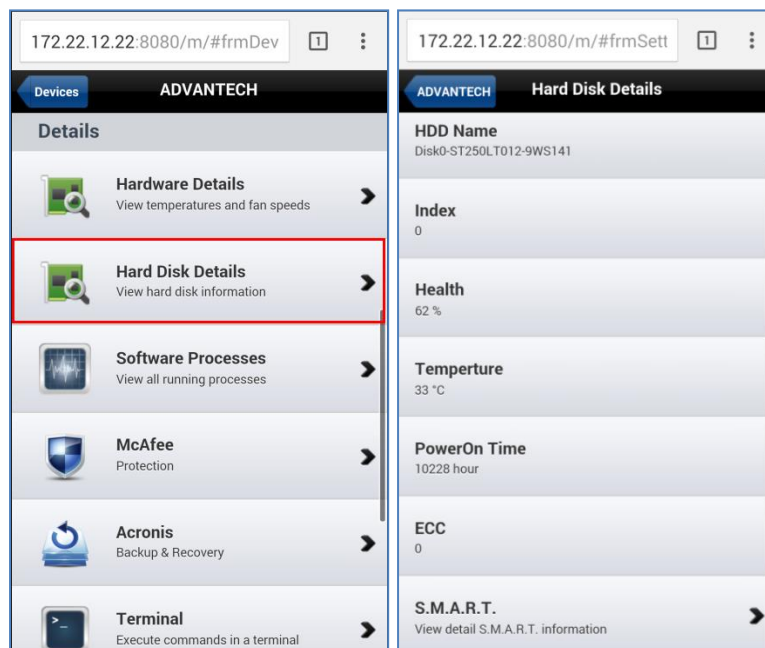
- **Hardware monitor:**

Click target device → click “Hardware Details” to view the hardware information.



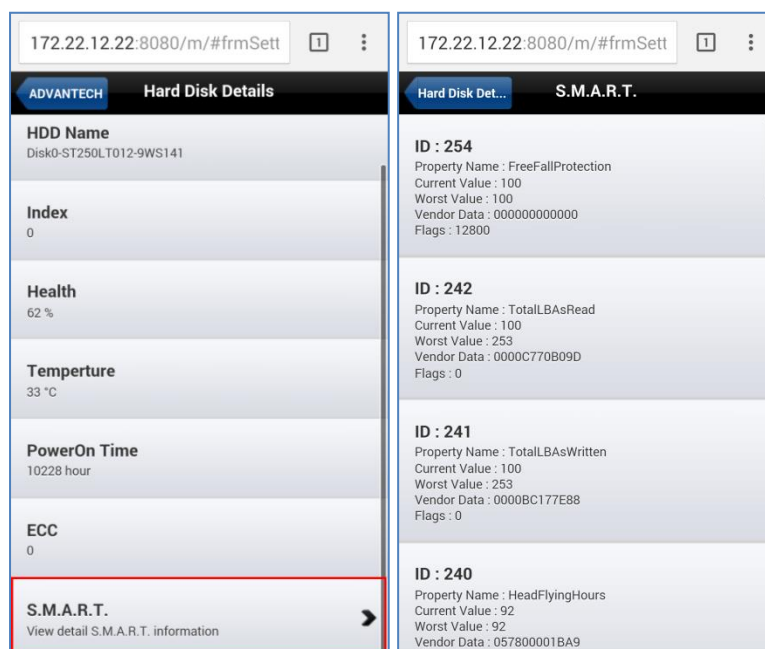
- **Hard Disk Details:**

Click target device → click “Hard Disk Details” to view the hard disk information.



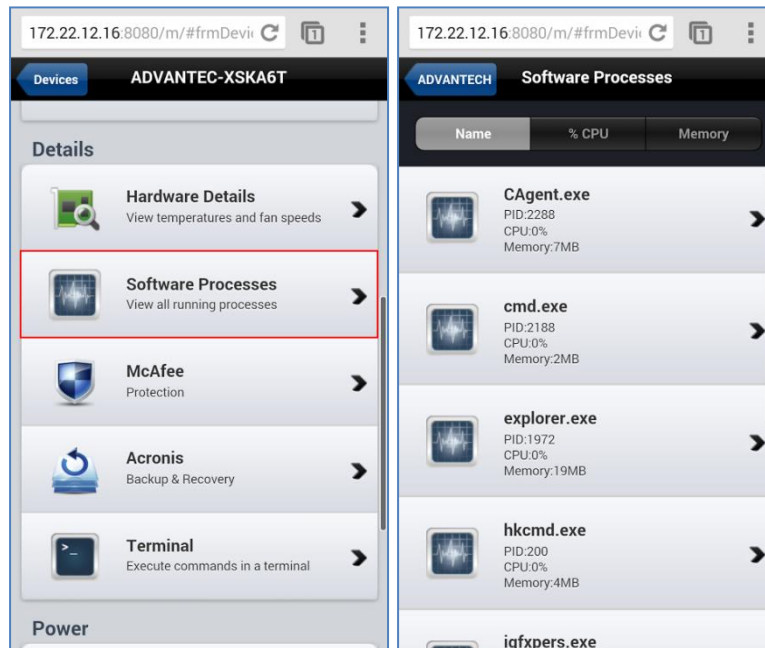
- **S.M.A.R.T.:**

Click target device → click “Hard Disk Details” → click “S.M.A.R.T.” (If hard disk support S.M.A.R.T.)



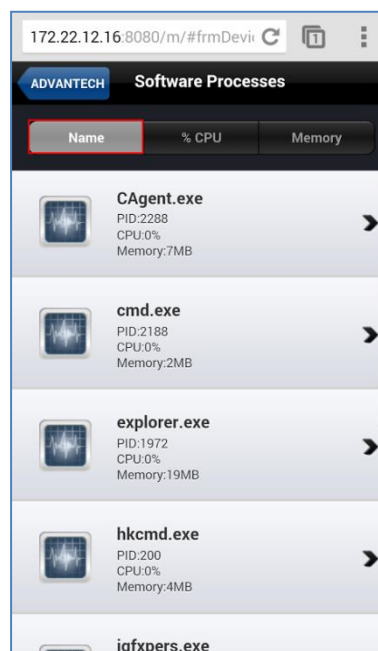
- **Software monitor:**

Click target device → click “Software Processes” to view all running processes.



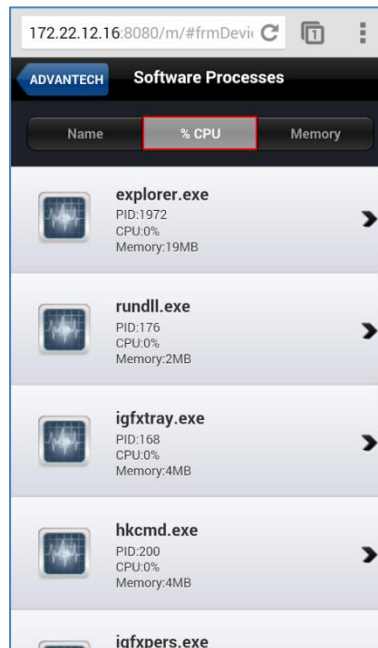
■ **Sort processes by name:**

Click target device → click “Software Processes” → click “Name Tab”.



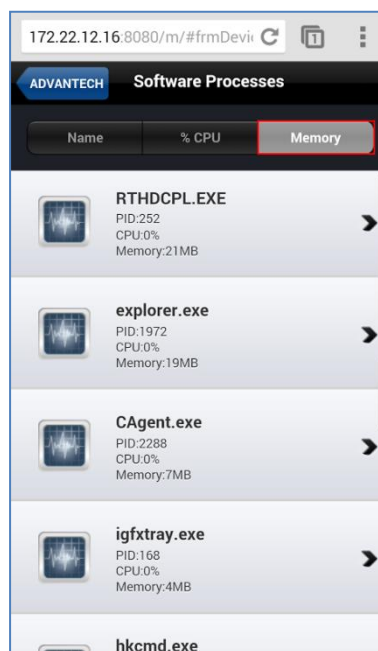
■ **Sort processes by CPU:**

Click target device → click “Software Processes” → click “%CPU Tab”.



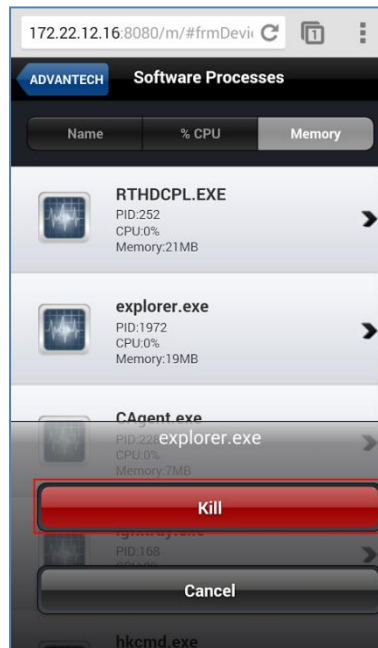
■ **Sort processes by memory:**

Click target device → click “Software Processes” → click “Memory Tab”.



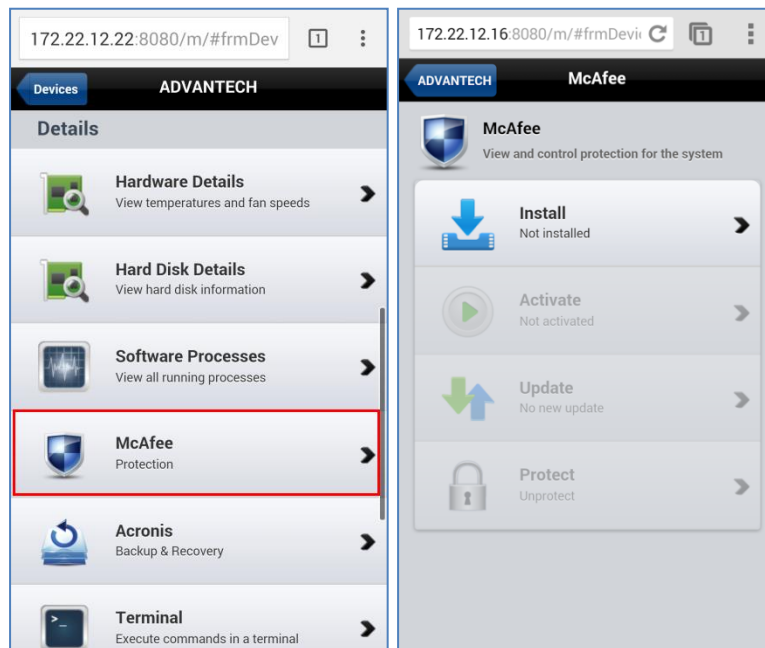
■ **Kill one of process:**

Click target device → click “Software Processes” → click one of process that you want to kill → click “Kill”.



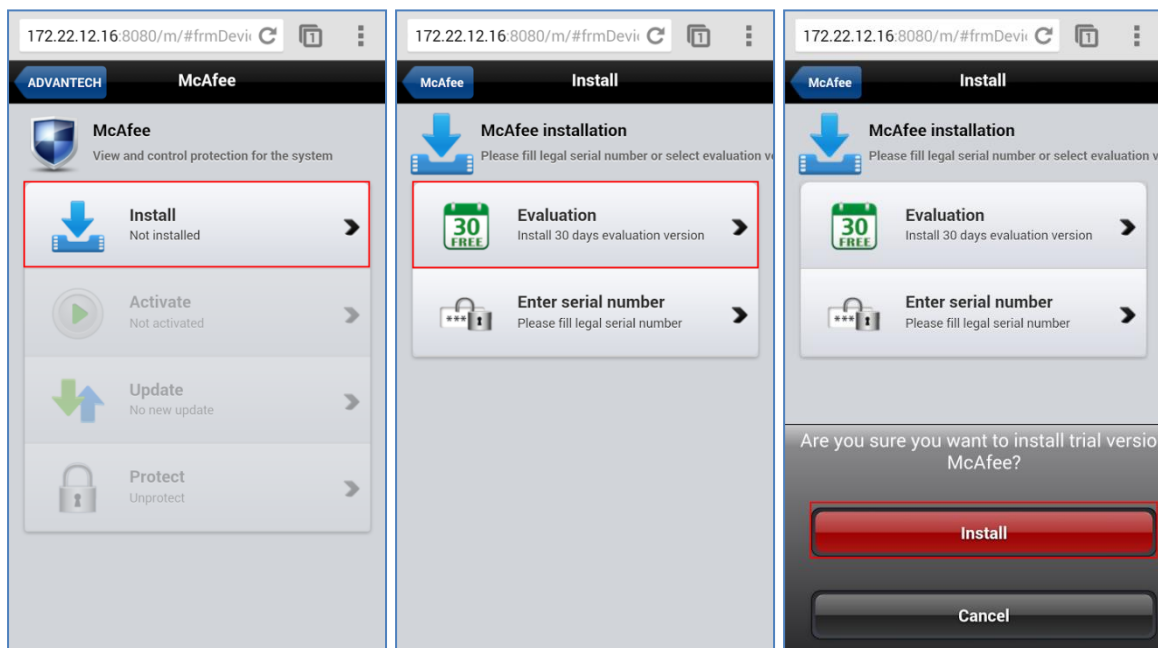
- **McAfee:**

Click target device → click “McAfee” to view McAfee status.



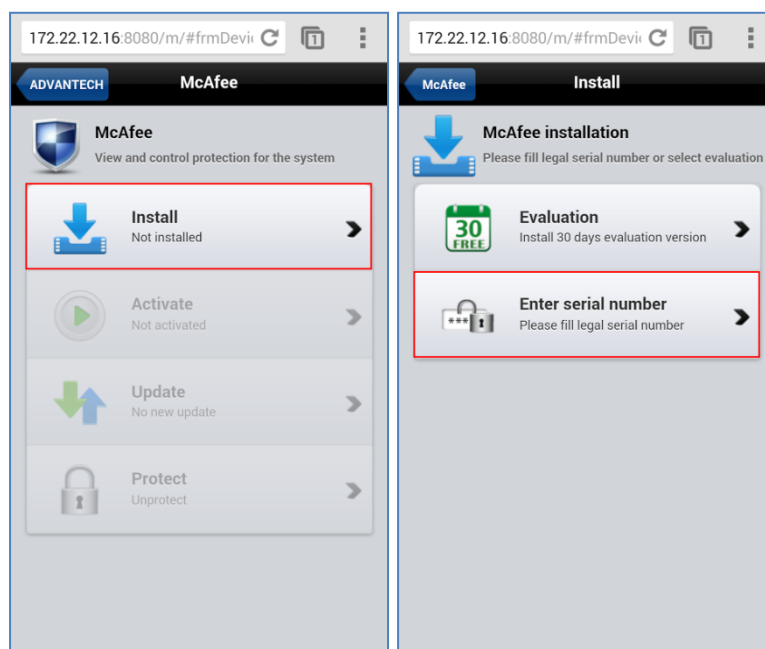
- **Install McAfee evaluation version:**

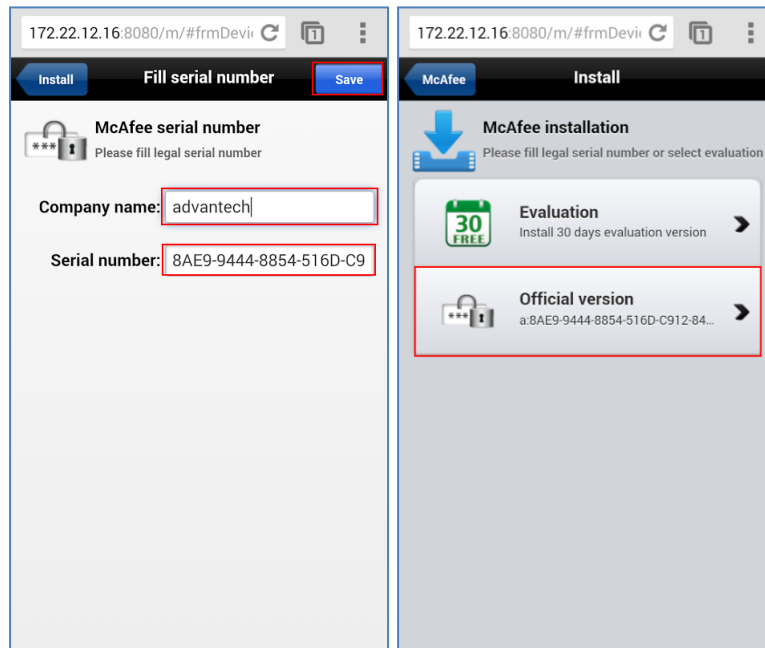
Click target device → click “McAfee” → “Install” → “Evaluation” → “Install”.



■ **Install McAfee official version:**

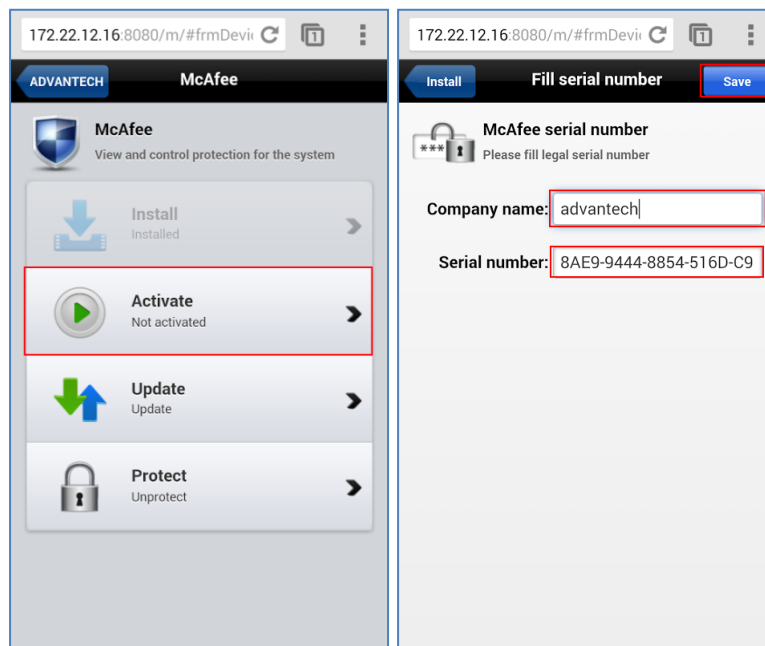
Click target device → click “McAfee” → “Install” → “Enter serial number” → enter the legal serial number → click “Save” → click “Official version” → “Install”.





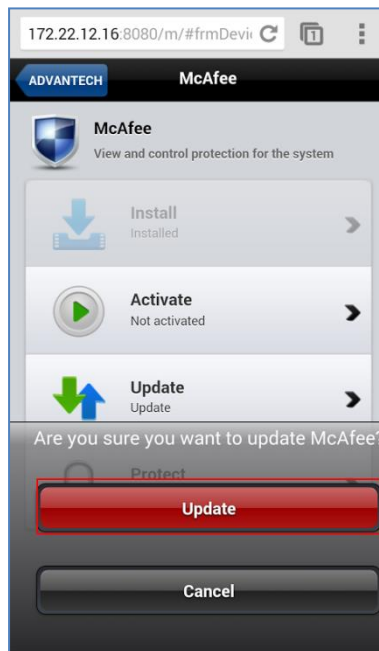
■ **Activate McAfee:**

Click target device → click “McAfee” → “Activate” → enter the legal serial number → click “Save”.



■ **Update McAfee:**

Click target device → click “McAfee” → “Update”.



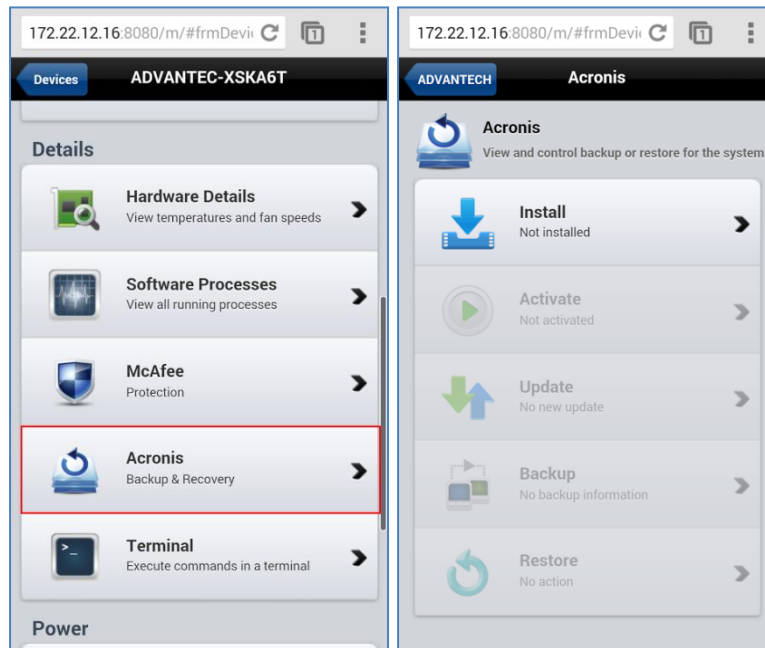
■ **Enable McAfee:**

Click target device → click “McAfee” → “Protect”.



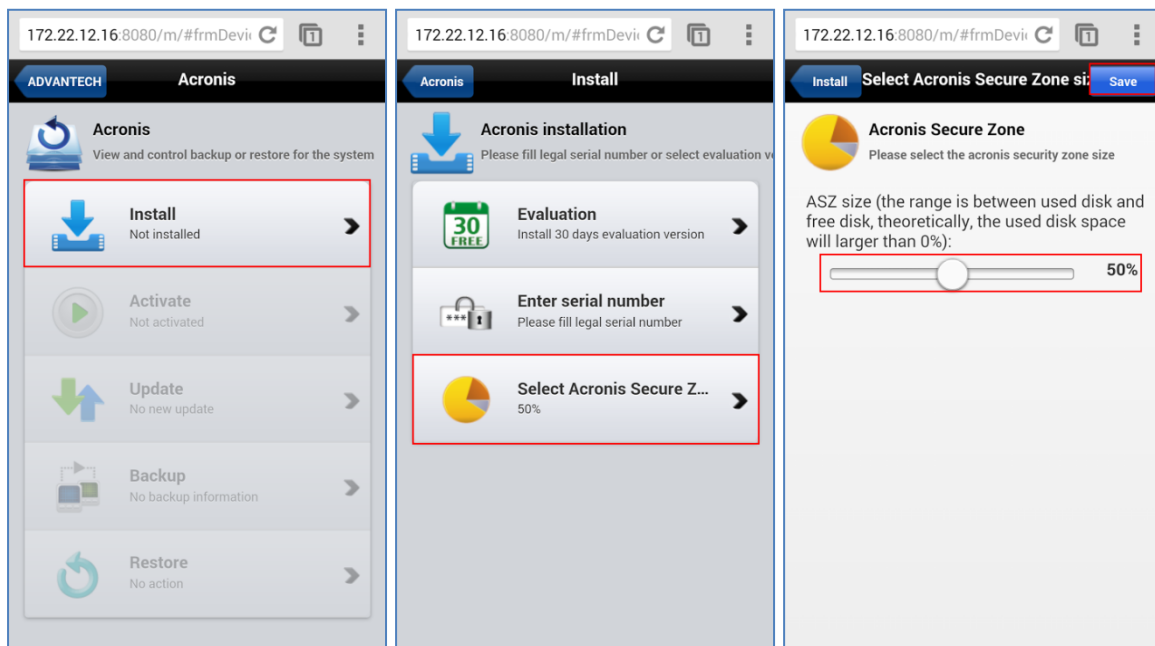
● **Acronis:**

Click target device → click “Acronis” to view Acronis status.



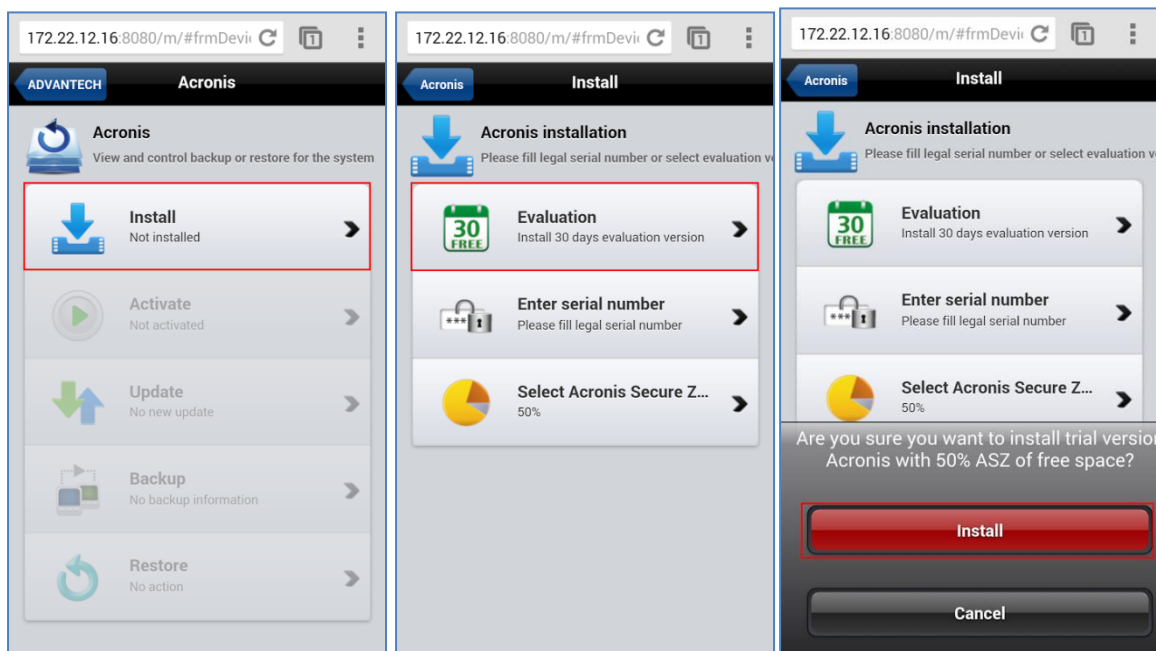
■ Set Acronis ASZ size:

Click target device → click “Acronis” → “Install” → “Select Acronis Secure Zone size” → set ASZ size → click “Save”.



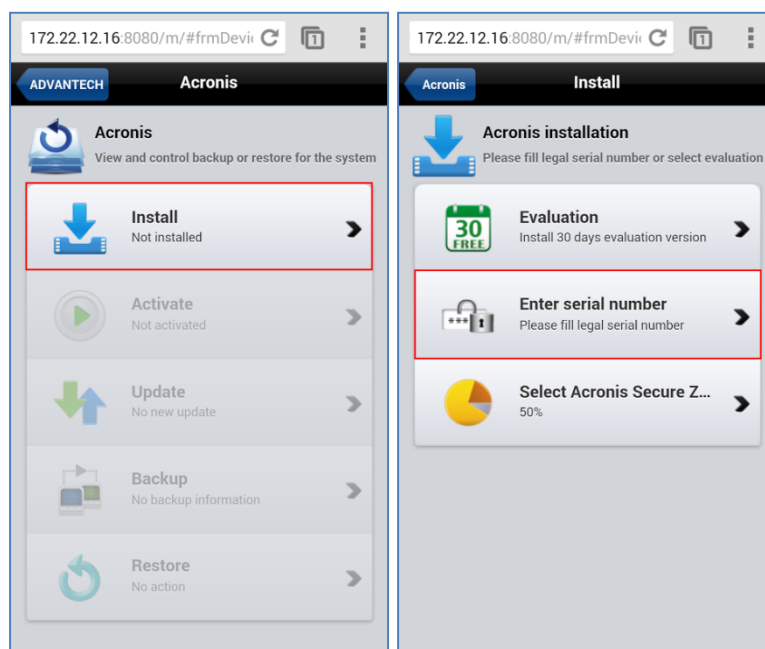
■ Install Acronis evaluation version:

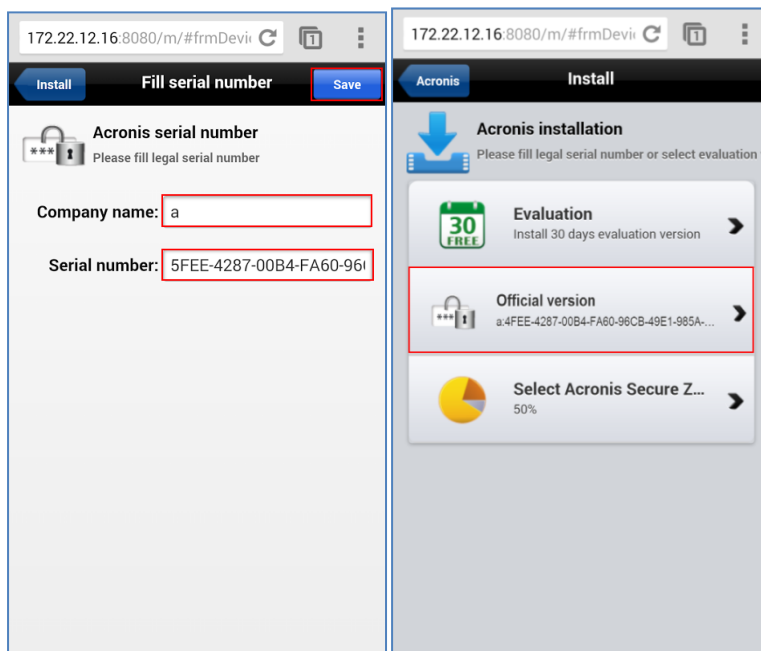
Click target device → click “Acronis” → “Install” → “Evaluation” → “Install”.



■ Install Acronis official version:

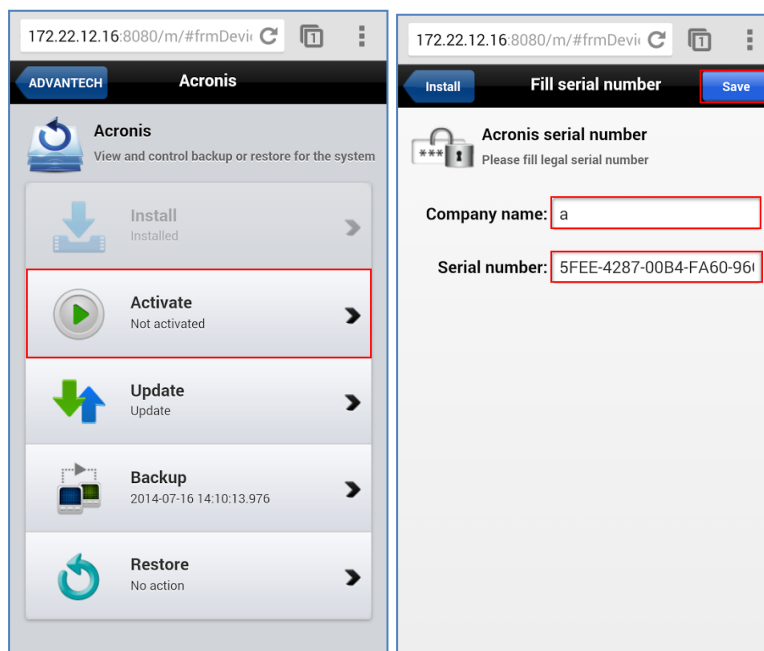
Click target device → click “Acronis” → “Install” → “Enter serial number” → enter the legal serial number → click “Save” → click “Official version” → “Install”.





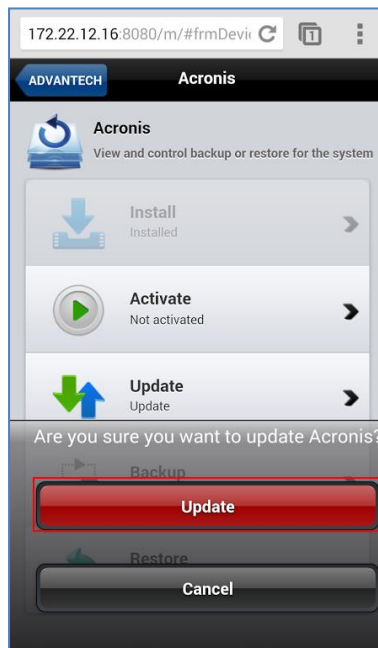
■ **Activate Acronis:**

Click target device → click “Acronis” → “Activate” → enter the legal serial number → click “Save”.



■ **Update Acronis:**

Click target device → click “Acronis” → “Update”.



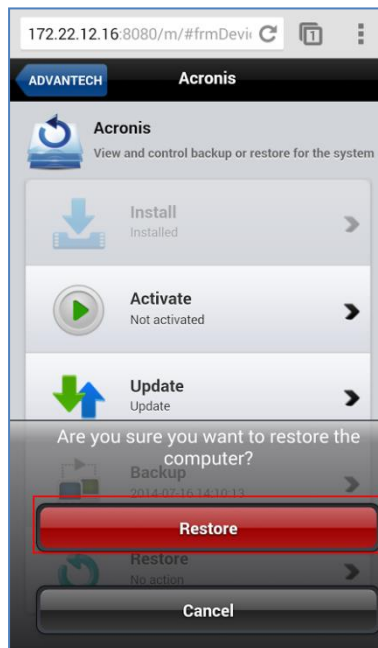
■ **Backup:**

Click target device → click “Acronis” → “Backup”.



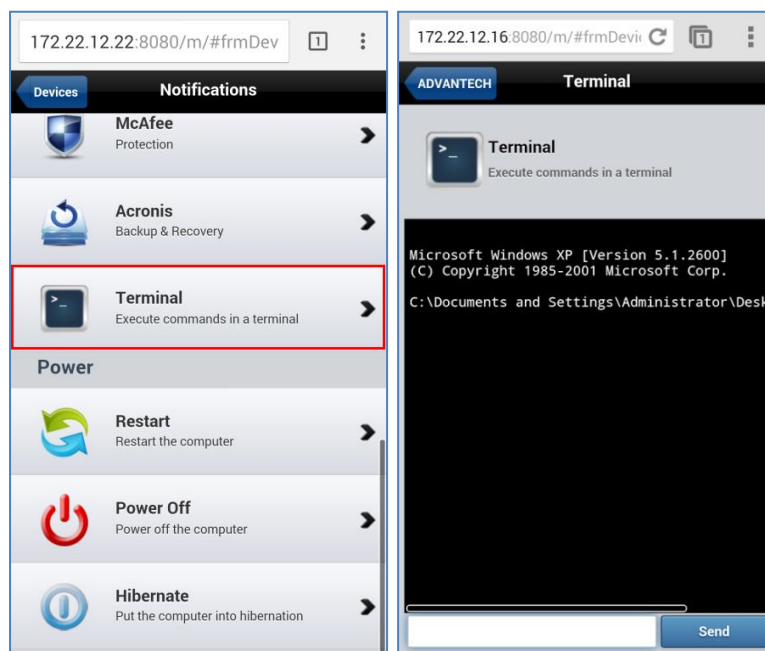
■ **Restore:**

Click target device → click “Acronis” → “Restore”.



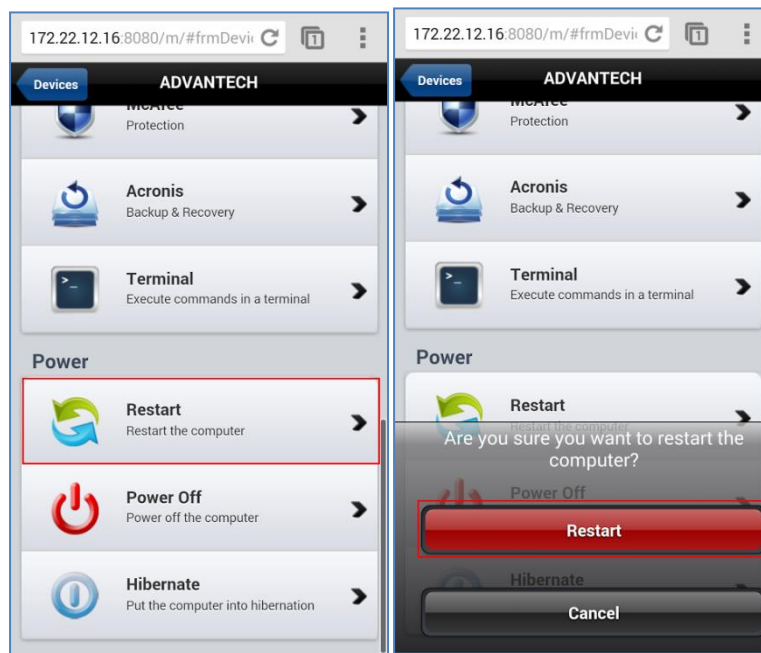
- **Terminal:**

Click target device → click “Terminal” to view and enter the command line.



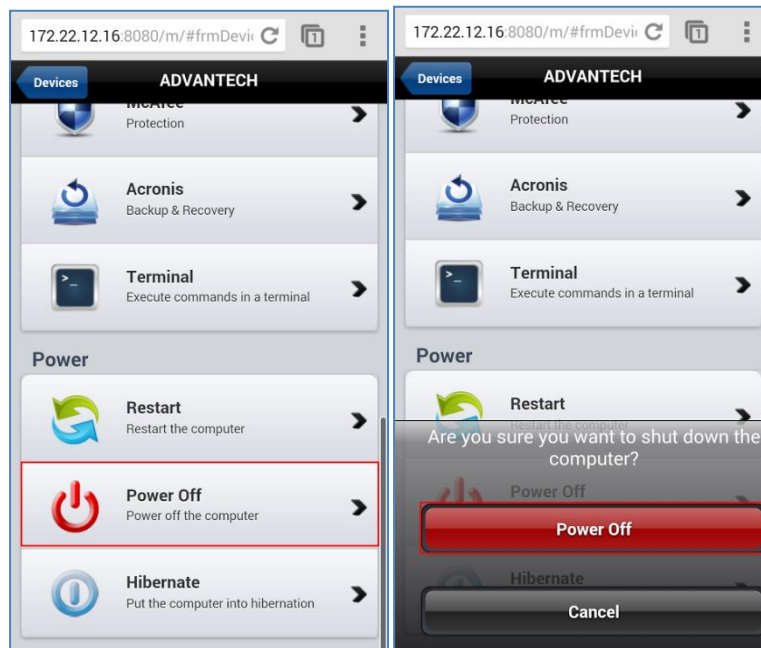
- **Restart the device:**

Click target device → “Restart” → “Restart” to reboot the device.



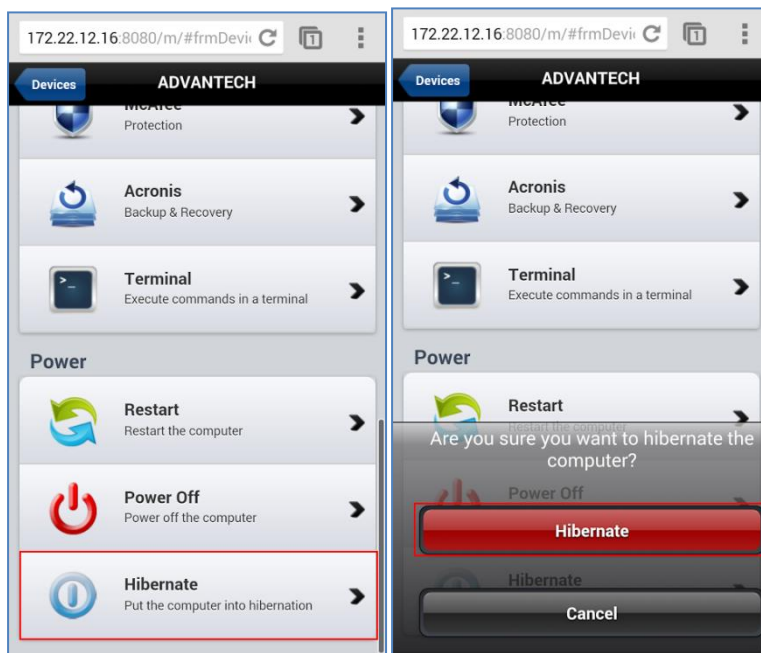
- **Shut the device down:**

Click target device → “Power Off” → “Power Off” to shut the device down.



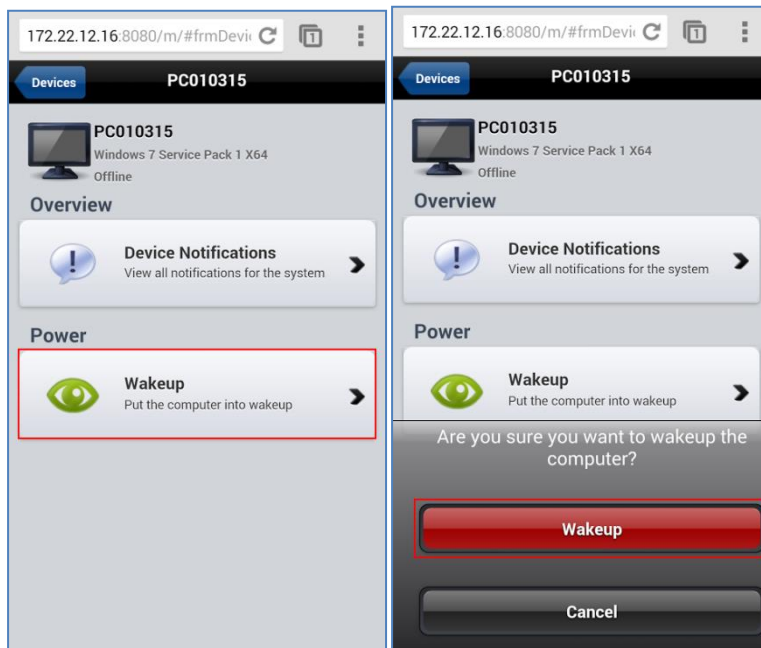
- **Hibernate the device:**

Click target device → “Hibernate” → “Hibernate” to hibernate the device.



- **Wakeup the device:**

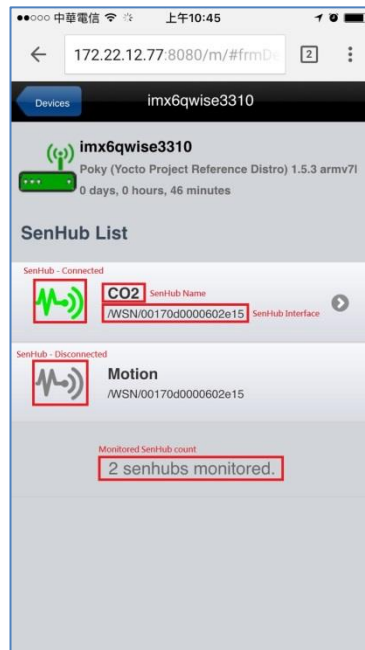
Click target device → “Wakeup” → “Wakeup” to wake up the device.



5.2.6 Device Control– GW

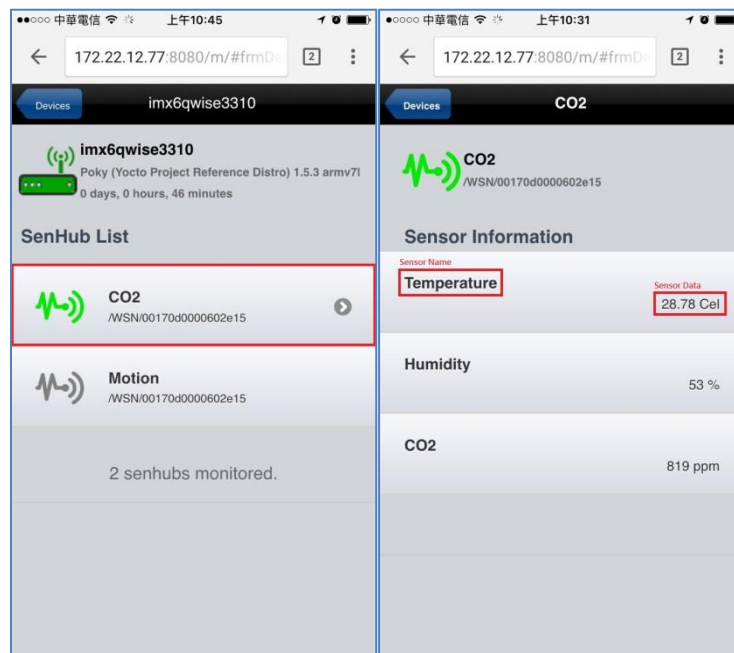
- **GW list:**

Click target GW device.




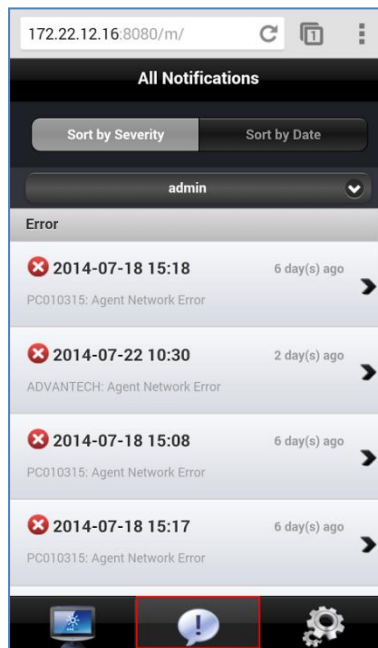
- **Sensor Data:**

Click target senhub. (Not support disconnected senhub data parsing.)



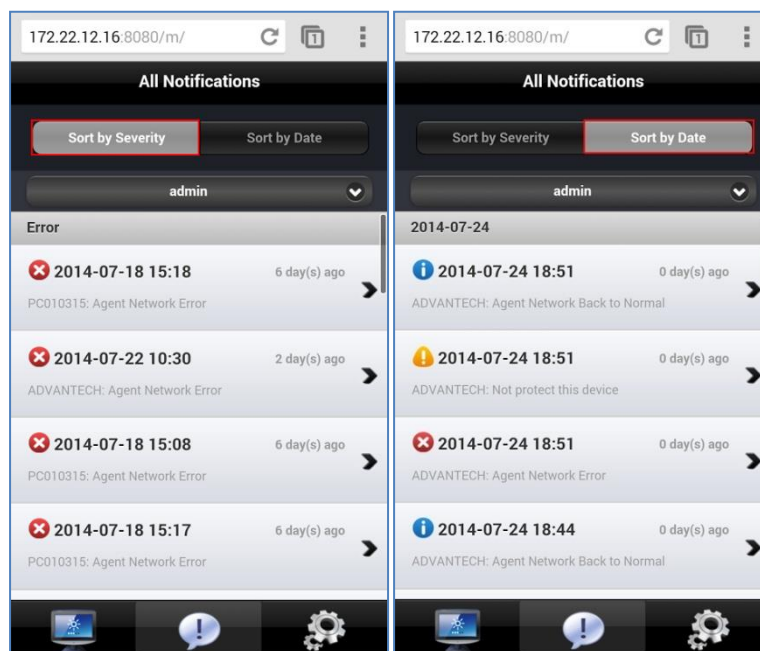
5.3. Notifications management

- Click the icon  to switch to “Notifications” page to view all notifications.



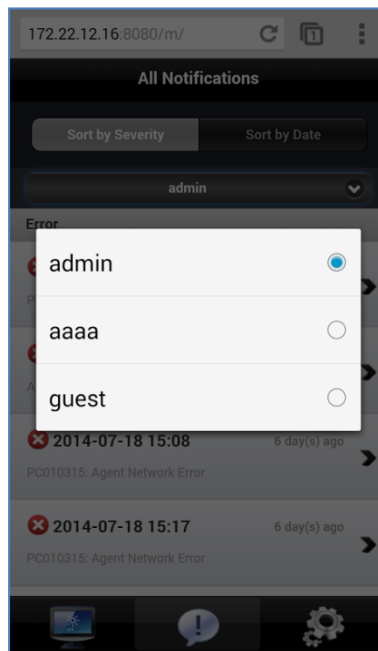
5.3.1 Notification Sorting:

- Click “Sort by Severity” or “Sort by Date”.




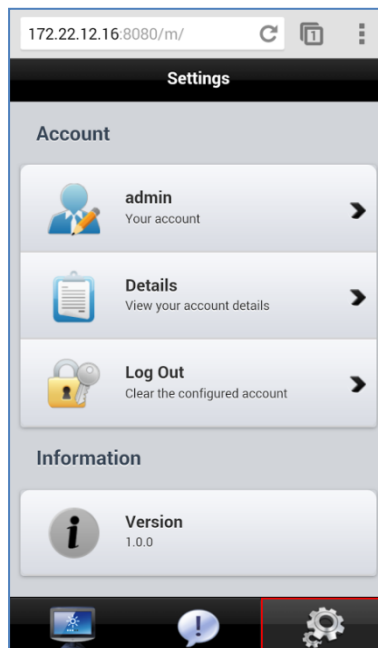
5.3.2 Account Switch:

- Click “select menu” to select account.



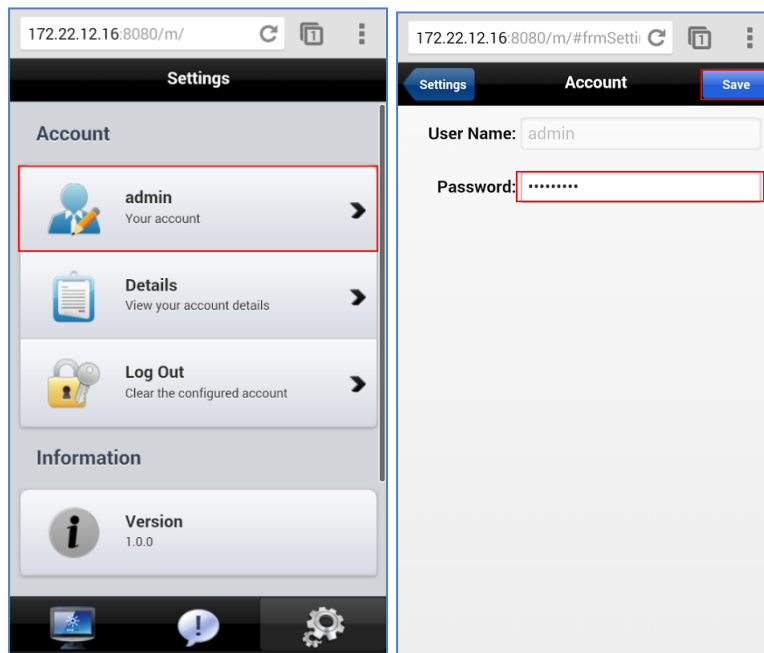
5.4. Settings Management

- Click the icon  to switch to “Settings” page to view all setting options.



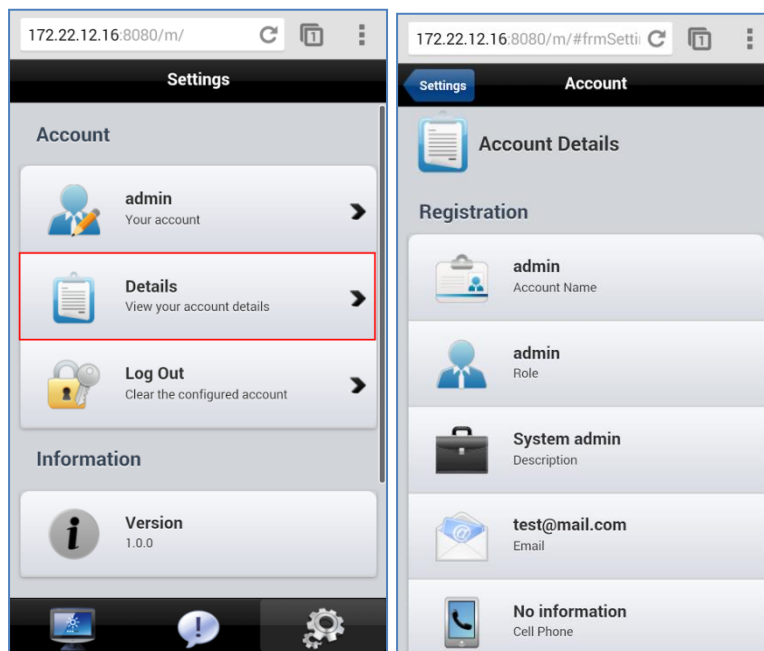
5.4.1 Change Account Password:

- Click “Your account”
- Enter new password and click “Save” to change password.



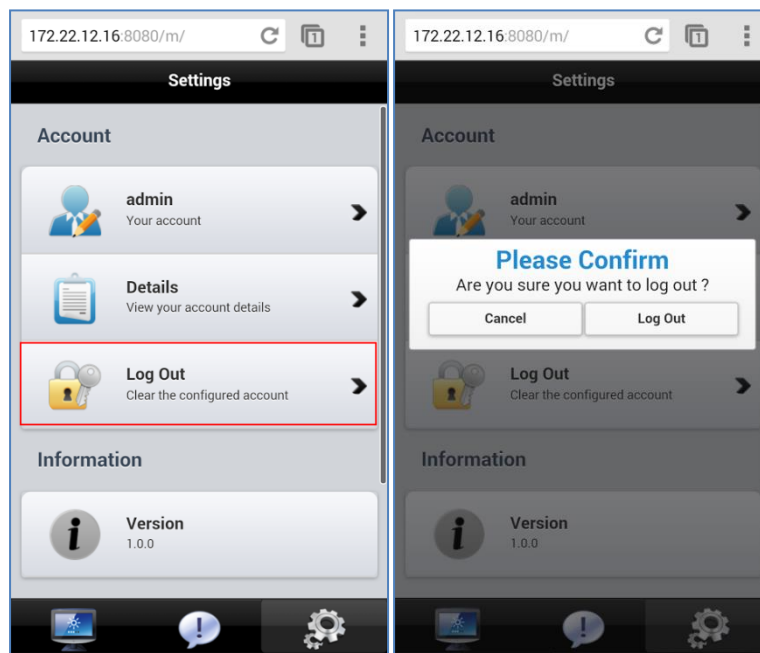
5.4.2 Account Details:

- Click “Details” to view account detail information.

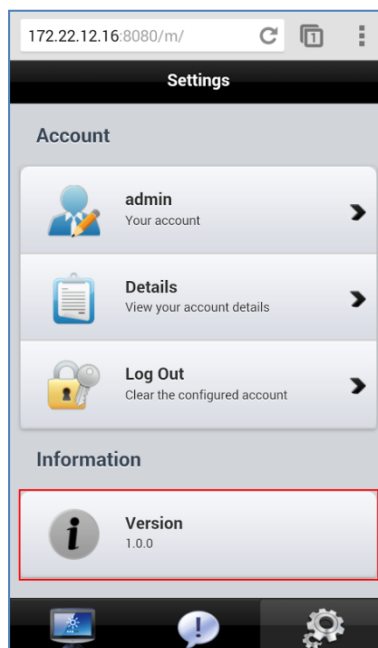


5.4.3 Account Log Out:

- Click “Log Out” to log out.



5.4.4 Server Version:



5.4.5 Language Switch:

- Click “Language” and select one of supported languages to switch to.



Appendix A. Server Edition Table

	Standard Version	Professional Version
Basic Features	V	V
Gateway/Sensor Management	Read-only; unable to set sensor value	V
Data Auto Report	<ul style="list-style-type: none"> Only keep historic data within 30 days No support for REST API query 	V (Actual data storage amount is subject to HDD capacity)
Dashboard	Widgets will be discarded after the browser is closed	V
Hierarchical Server	Only 1 level of sub-server and only 1 sub-server supported	<ul style="list-style-type: none"> 2 levels of sub-server supported No sub-server amount limitation at each layer
Server Redundancy	N/A	Support at most 2 redundant servers
RESTful API	V	V
WISE Agent SDK	N/A	V