

Device Management Software Administrators' Guide

Issue 2.6.0

I-O Corporation

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1 I-O Corporation Device Management Software Introduction

The I-O Corporation Device Management Software (DMS) is a thin client and zero client management console tool which lets administrators centrally manage and deploy your client devices. The software lets you:

- Ensure secured HTTPS-based information transmission and communication with client devices
- Remotely update client device firmware/BIOS/OS, reset devices and upload firmware/BIOS/OS files
- Manage virtual desktop connection settings
- Manage administrator settings and identification
- Control real-time state of client devices and view status information
- Configure a schedule of power management, profile update, and firmware update
- Support remote connection with thin clients using VNC and SSH

2 System Installation and Setup

Device Management Software is packaged as an Open Virtualization Format (OVF) file for quick and easy deployment on a VMware Horizon ESXi host. It includes components of Application Server, Database Server, Web Server, File Server, FTP Server, TFTP Server, and UPnP Server.

Device Management Software provides IT administrators with a browser-based console for managing client devices. It supports browsers Google Chrome, Internet Explorer 10 or above, and Firefox. If you are using Internet Explorer, uncheck "Display all websites in Compatibility View" checkbox in "Tool" -> "Compatibility View settings" to avoid display issues in viewing the pages.

To get a better web page user experience, we recommend setting your display at a resolution of 1440x900 or above.

TCP and UDP ports assigned for the client devices are shown in the table below:

Port	Port Number	Description
TCP, UDP	20	FTP (Default port)
TCP, UDP	21	FTP (Control port)
TCP, UDP	22	SFTP, SSH
UDP	69	TFTP (Trivial File Transfer Protocol)
TCP	80	HTTP (Apache)
TCP, UDP	389	LDAP
UDP	1900	Microsoft SSDP Enables discovery of UPnP devices
TCP, UDP	3306	MySQL database system
TCP, UDP	5900	VNC
TCP	8080	HTTP (Apache Tomcat)

Table 1 Required TCP/UDP ports for client devices

Note: For successful network connectivity, ensure that the required ports mentioned above are enabled.

2.1 System Requirements

The following are the estimated system requirements for DMS:

Category	Minimum
CPU	2 vCPUs
RAM	4GB
DISK	40GB

Table 2 Minimum system requirements for DMS

2.2 OVF Template Components

A full OVF template file includes the following components:

File Name	Description
DMS-01.mf	Checksum for file integrity verification
DMS-01.ovf	Configuration file
DMS-01-disk1.vmdk	Virtual disk
DMS-01-disk2.vmdk	Virtual disk
DMS-01-disk3.vmdk	Virtual disk

Table 3 OVF Template File Components

2.3 Supported Endpoint Devices

DMS automatically searches and discovers deployed I-O Corporation devices. The following are supported device model:

Product Model Name	Regulatory Model Name (Device Type)
ProEdge L3350/ L3350F	29B5
ProEdge L215/ L215F	29B3
ProEdge L3940/ L3940F	29B8

DMS organize endpoint devices with regulatory model name, which is shown as “device type”, to simplify the management. To know the regulatory model name of your device, please look at the I-O Corporation label on your client. For example:



3 Features

3.1 Multi-Language

DMS supports user interface in English and Japanese. It automatically switches language shown based on the operating system language that the administrator uses. If it detects the administrator is using a Japanese operating system, DMS will display the configuration pages in Japanese; otherwise it shows pages in English.

This guide demonstrates configuration pages in English. The following indicates English and Japanese login screens:

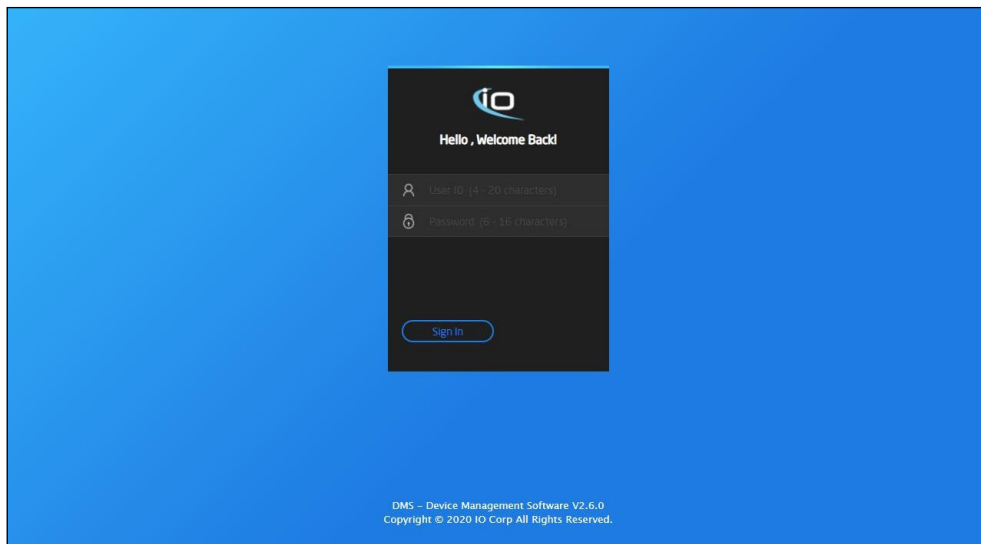


Figure 1 English login screen

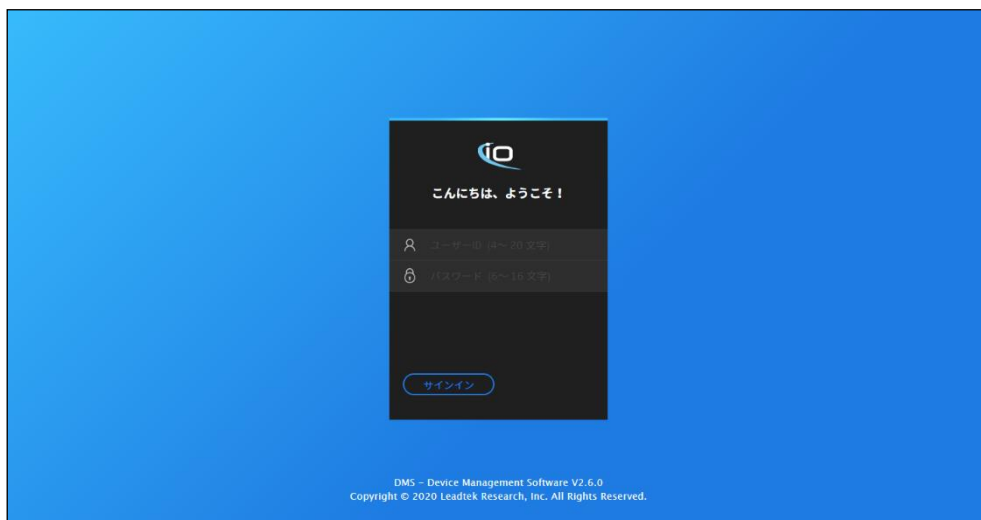


Figure 2 Japanese login screen

3.2 Login

There are two types of DMS administrators with different log-in authentication: an Admin (administrator) who can **View, Add, Edit, Delete** data; and a Viewer who is allowed to **View** status information only.

New administrators can be added through the software or imported from LDAP (Lightweight Directory Access Protocol) system. The same user account is allowed to login simultaneously from different locations.

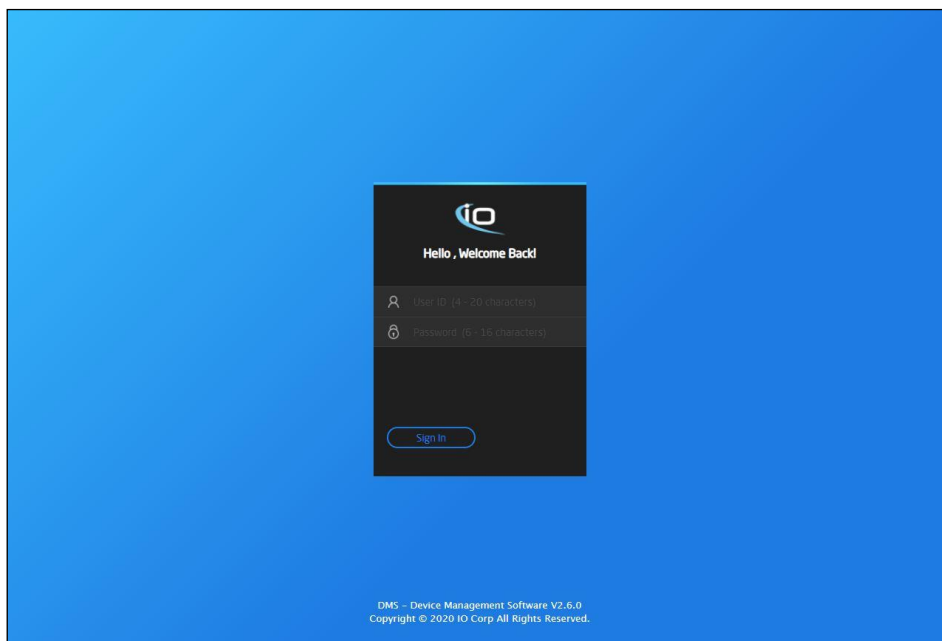


Figure 3 Login screen

Open a web browser and then enter the IP address of the DMS server. (<http://XXX.XXX.XXX.XXX:8080/DMSWeb/index.html>). You will see the log-in screen of the DMS front page.

When you first log in DMS, the default administrator username is “administrator” and the password is “administrator”. For security purposes, you will be asked to do initialize settings, including adding an administrator account to replace the default account. You can reconfigure the account and password in **Settings** -> **Administrator**.

If the administrator account is imported from LDAP, use LDAP username and password to log in DMS. DMS will compare and authenticate LDAP user information.

3.2.1 Session Timeout

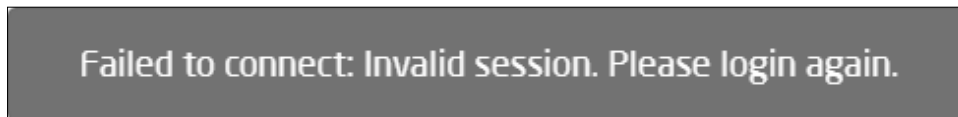


Figure 4 DMS session timeout message

If no activity occurs during the timeout period of 30 minutes, the DMS session times out and the timeout message appears. Use the mouse to click any place on the screen. The user will be returned to the login page.

3.2.2 Database Connection Error

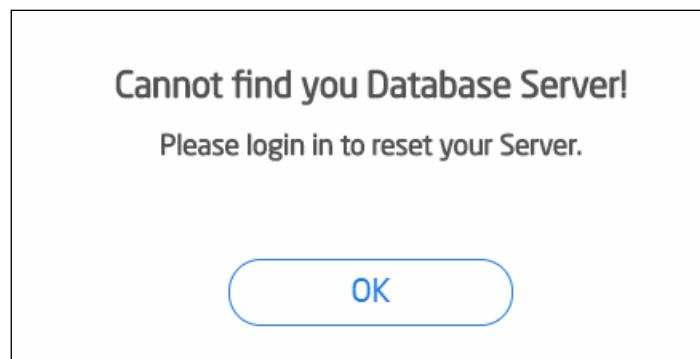


Figure 5 Databse connection error screen

If DMS cannot make a successful connection with the database server, an error message appears. Click **OK** and follow the instructions to fix connection issues.

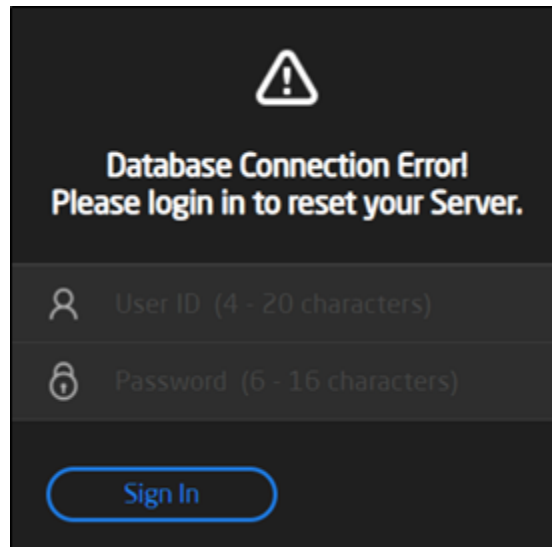


Figure 6 Database connection error – login screen

Enter your administrator account/password and press **Sign in** to login.

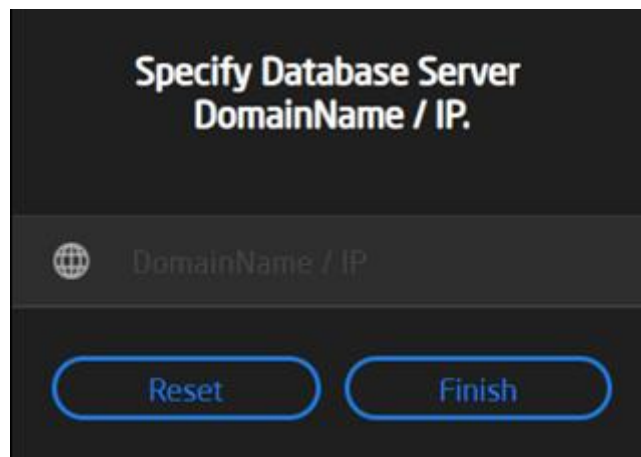


Figure 7 Database connection error – configuration screen

After identifying and solving the problem that causes the database access failure, enter the identified domain name or IP address of the databased host server. Click **Finish** to reconfigure the database or click **Reset** to to erase the data on the page.

3.3 Initialize Settings

When an administrator first login DMS, you have to configure some initial settings, including: assign server name or IP address, and add an administrator username and password.

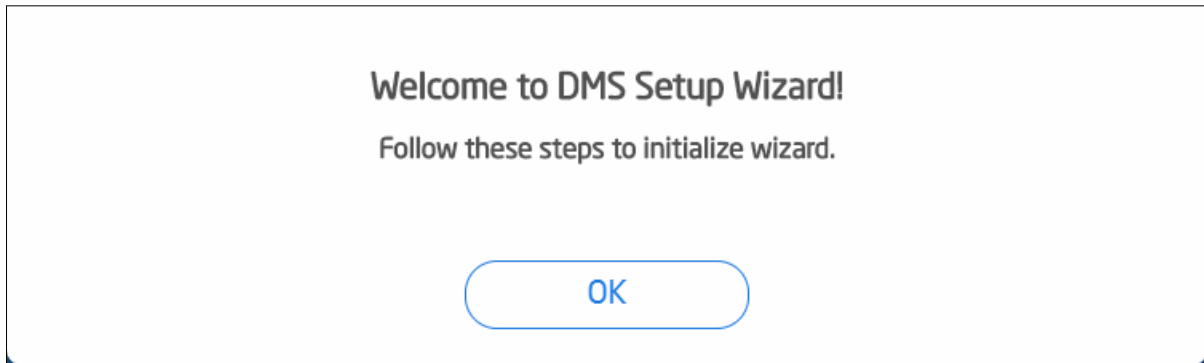


Figure 8 DMS initialize setting screen - 1

Use the default administrator username and password to log in DMS. You will see the welcome to DMS screen. Press **OK** to enter the initialize setting screen.

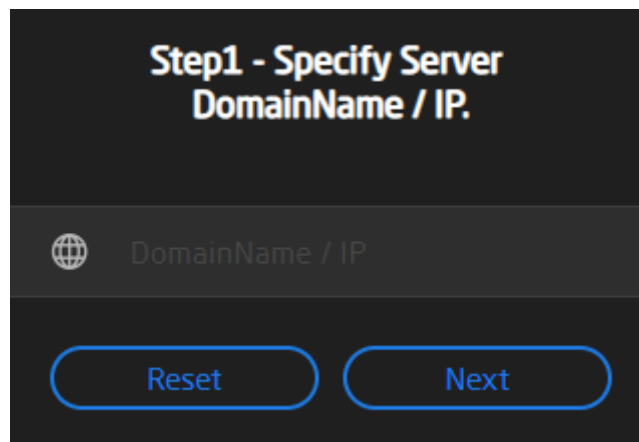


Figure 9 DMS initialize setting screen - 2

This page lets you configure host domain name or IP address. Enter DMS domain name or IP address that is present on the network. You can configure a virtual host deployed in the network and get the IP address through DHCP or a static IP. If there is a chance of changing the host IP address in the future, it is recommended to set the network of the virtual host as the domain name.

Press **Next** to enter the next setting page, or press **Reset** to erase the data on the page.

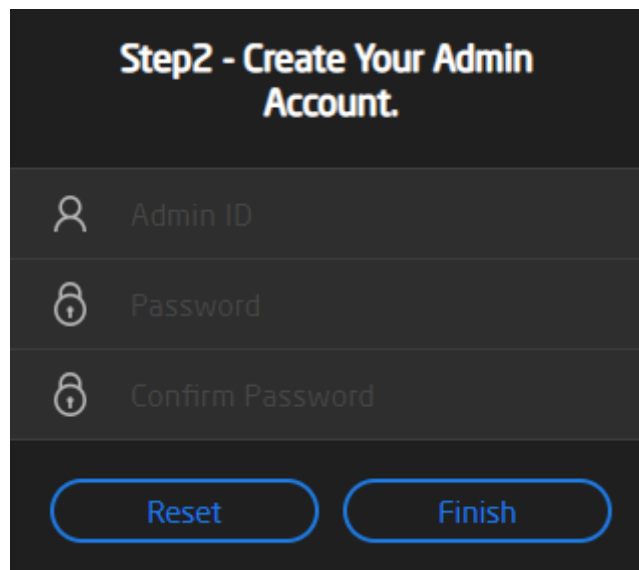


Figure 10 DMS initialize setting screen - 3

Add an administrator username and password on the page. **Note** that you have to choose a different administrator name from the default name when you create a new account. Enter your new username, password and re-confirm the password. Press **Finish** to complete DMS initialize settings.

To secure the DMS, it is critical for administrators to remember administrator's account and password. If there is only one user with the privilege of having Admin access, there is no way to regain or recover access to his/her account after forgetting his/her account and password. It is recommended to establish at least 2 users with Admin access privilege.

Press **Reset** to erase the data on the page.

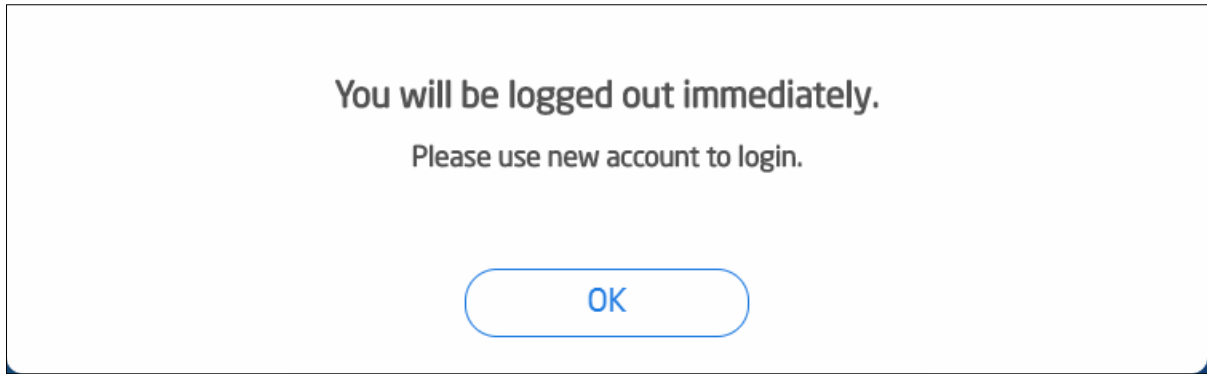


Figure 11 DMS initialize setting screen - 4

After assigning server name or IP address, and adding the administrator username and password successfully, you will see the log out screen. Press **OK** to log out DMS. You have to use the new username and password the next time you log in DMS.

3.4 Overview

After you log in DMS, the Overview home webpage appears. The Overview page shows **device type**, **device status**, **task execution status**, **task warning / failed log**, **server status**, and **online users** information.

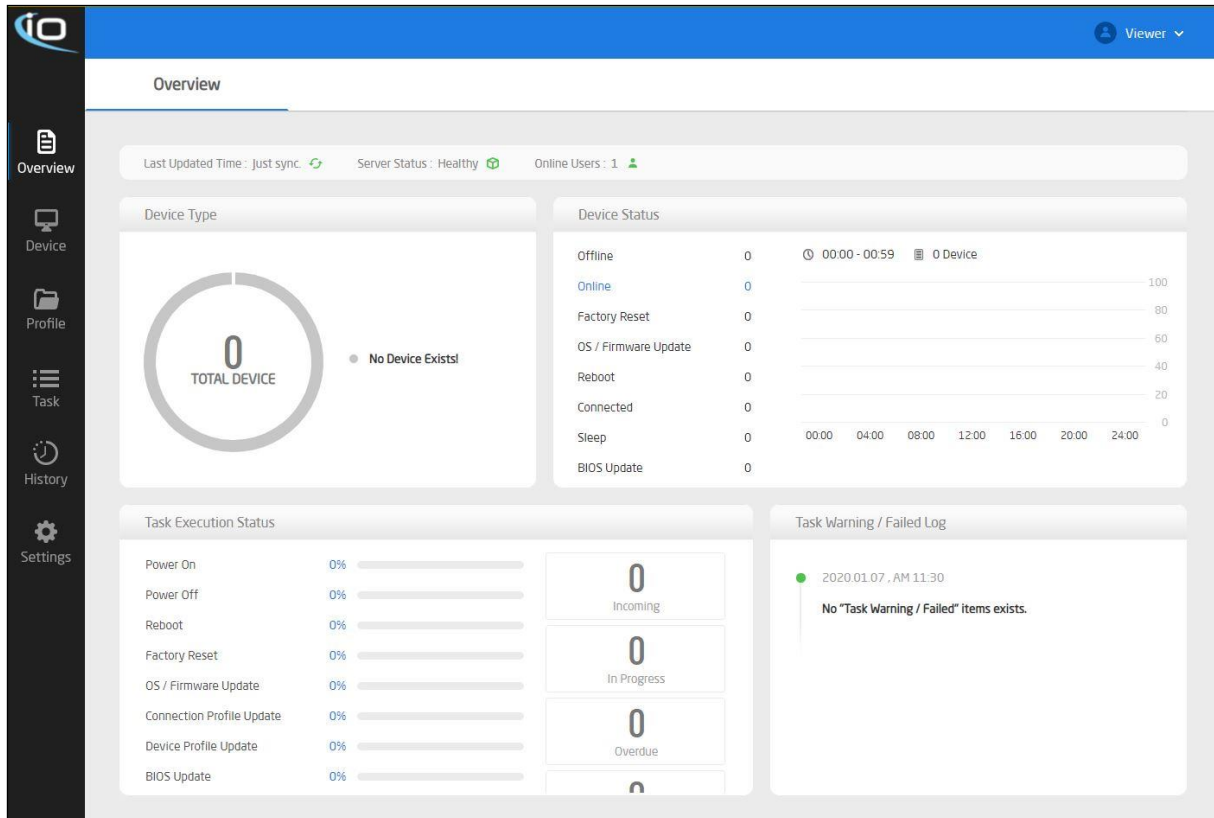

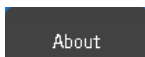
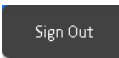














Figure 12 Overview home page

There are a few sections that are included on the Overview homepage. In the upper-right corner of the screen, it shows the administrator's name. Click the icon  to find copyright and software information  and log out option . Press **About** to show copyright and software information; press **Sign Out** to log out DMS.

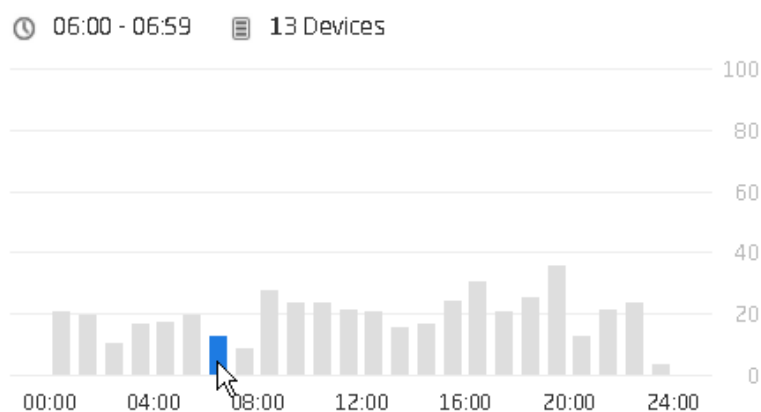
DMS feature list is shown in the left side of the screen. You can choose Overview , Device , Profile , Task , History , and Settings  to configure these features.

In the upper left side of the screen, it shows the last data synchronized time, e.g. `Last Updated Time : 2018.01.23 , AM 09:58` . Click the icon  to refresh data. If the last updated time is within 60 seconds of the moment, it shows **Just sync**. Next to the last updated time is the server status, e.g. `Server Status : Health` . Click the icon  to show detailed server used space information. And the last is the number of online users `Online Users : 8` . Click the icon  to show online user information.

If the server operates normally, the server status shows **Healthy**. If the hard drive usage rate or device files used space goes beyond 90%, the server status shows **Warning**.

There are two sections that are included in the central screen. **Device Type** on the left summarizes device type information, including total device number and the number of each device type. Click a device type in the list (e.g. 29B3C00) and a pie chart on the left will show the percentage and number of the device type. **Device Status** on the right shows device status earlier on the same day, including devices in offline, online, factory reset, OS/firmware update, reboot, connected, sleep, and BIOS update states. Next to each state is the number of the state being executed, added once every hour.

Move the mouse to a specific device status bar in **Device Status** to show the number of devices that match the device status at that particular time.



In the lower part of the screen, the screen is divided into two parts. **Task Execution Status** on the left shows the task execution results and the success rate. It also summarizes the status of all the current tasks, including Incoming, In Progressing, Overdue, Executed, and Failed. **Task Warning/Failed Log** on the right shows all **Warning** and **Fail** execution events happening earlier on the same day.

Move the mouse to a specific execution success bar in **Task Execution Status** to show the number of success and fail results.



Click **Task Execution Status** title to show task screen and view all task information. Click **Task Warning/Failed Log** title to show history screen and view all DMS event history, including add/edit/delete events and all task execution results.

View Online Users
✕




Online Users

Total Count : 3

User ID	Access Level	Online Time
DMS_Administrator	Admin	2018.11.12 16:24
0046	Admin	2018.11.12 15:29
0405	Admin	2018.11.12 14:09


CANCEL
VIEW ALL

Figure 13 View online users

Click the icon  in online users Online Users: 8  to show online administrator and viewer information including user ID, access level, online date and time. In search field , you can search any data that meets your search criteria.

Click each column header to sort the data in ascending or descending order.

Sort data in ascending order	Sort data in descending order
<div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;"> ^ User ID </div> <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;">1708</div> <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;">1852</div> <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;">admin</div> <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;">viewer</div>	<div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;"> v User ID </div> <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;">viewer</div> <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;">admin</div> <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;">1852</div> <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;">1708</div>

Click **CANCEL** or icon  to close the dialogue and return to Overview page.

Click **VIEW ALL** to enter account setting page.

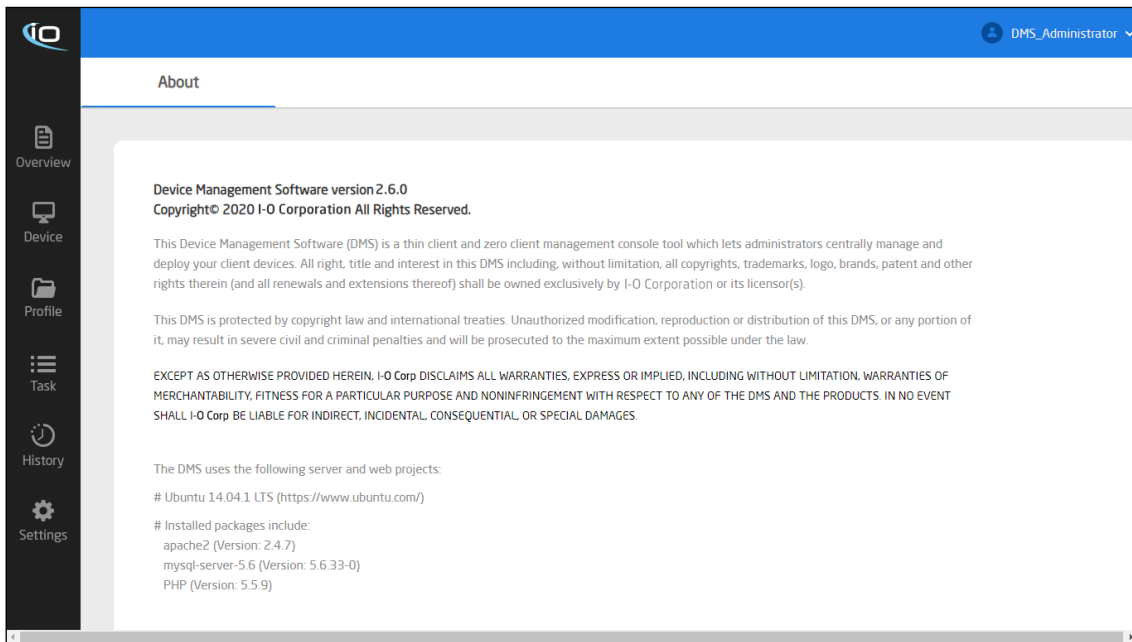



Figure 14 About screen

In the upper right of the screen, it shows the user name. Click the drop down icon  and click About option to show copyright and software information, including DMS software version, copyright disclosure statement, and installed packages that DMS uses.

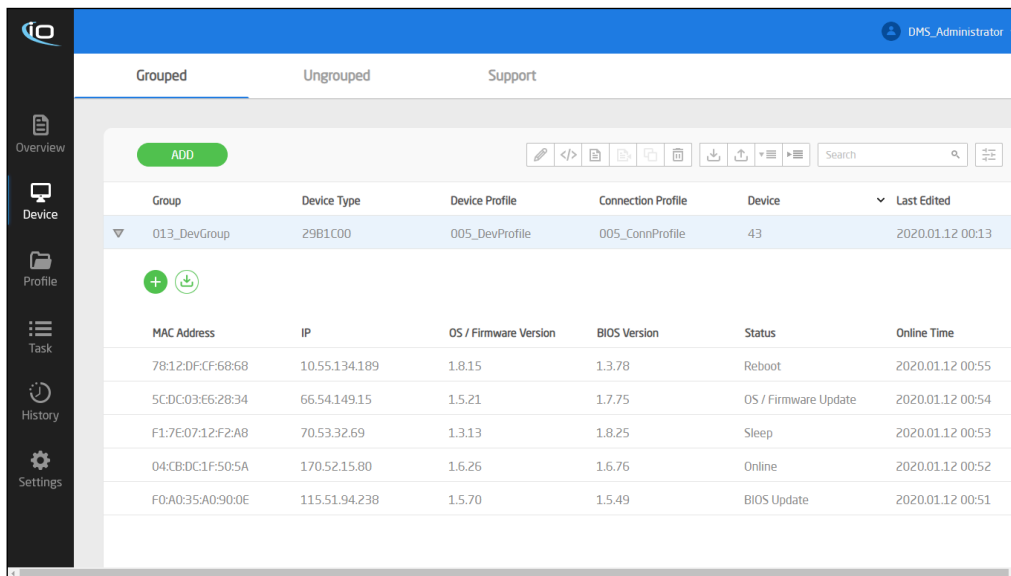
3.5 Device

The Device page provides connected device information. It lets you view device information, configure the group or ungroup to facilitate device management, power on/off or reboot devices for a specific or multiple groups, update devices for a specific or multiple groups, reset hardware for a specific or multiple groups, and update connection profile or device profile configuration.

Also, the **Device/Support** page shows online and VNC/SSH-supported devices. Administrators can use VNC or SSH session to control and manage the remote desktop, and furthermore clarify preliminary issues and fix problems for the connected devices.

When DMS is initially started, there isn't any default group being created. It is recommended to create a group when you start to use the software. When a device turns on and is registered to DMS, you will find the ungrouped device in **Device -> Ungrouped** page. Then you can assign the device to a selected group, according to its characteristic, for your further management. You can only perform remotely power on/off and reboot commands on an ungrouped device. For a grouped device, you can remotely perform power on/off, reboot, factory reset, OS/firmware update, connection profile update, device profile update, and BIOS update activities through the DMS.

3.5.1 Grouped



Group	Device Type	Device Profile	Connection Profile	Device	Last Edited																																				
013_DevGroup	29B1C00	005_DevProfile	005_ConnProfile	43	2020.01.12 00:13																																				
<table border="1"> <thead> <tr> <th>MAC Address</th> <th>IP</th> <th>OS / Firmware Version</th> <th>BIOS Version</th> <th>Status</th> <th>Online Time</th> </tr> </thead> <tbody> <tr> <td>78:12:0F:CF:68:68</td> <td>10.55.134.189</td> <td>1.8.15</td> <td>1.3.78</td> <td>Reboot</td> <td>2020.01.12 00:55</td> </tr> <tr> <td>5C:DC:03:E6:28:34</td> <td>66.54.149.15</td> <td>1.5.21</td> <td>1.7.75</td> <td>OS / Firmware Update</td> <td>2020.01.12 00:54</td> </tr> <tr> <td>F1:7E:07:12:F2:A8</td> <td>70.53.32.69</td> <td>1.3.13</td> <td>1.8.25</td> <td>Sleep</td> <td>2020.01.12 00:53</td> </tr> <tr> <td>04:CB:DC:1F:50:5A</td> <td>170.52.15.80</td> <td>1.6.26</td> <td>1.6.76</td> <td>Online</td> <td>2020.01.12 00:52</td> </tr> <tr> <td>F0:A0:35:A0:90:0E</td> <td>115.51.94.238</td> <td>1.5.70</td> <td>1.5.49</td> <td>BIOS Update</td> <td>2020.01.12 00:51</td> </tr> </tbody> </table>						MAC Address	IP	OS / Firmware Version	BIOS Version	Status	Online Time	78:12:0F:CF:68:68	10.55.134.189	1.8.15	1.3.78	Reboot	2020.01.12 00:55	5C:DC:03:E6:28:34	66.54.149.15	1.5.21	1.7.75	OS / Firmware Update	2020.01.12 00:54	F1:7E:07:12:F2:A8	70.53.32.69	1.3.13	1.8.25	Sleep	2020.01.12 00:53	04:CB:DC:1F:50:5A	170.52.15.80	1.6.26	1.6.76	Online	2020.01.12 00:52	F0:A0:35:A0:90:0E	115.51.94.238	1.5.70	1.5.49	BIOS Update	2020.01.12 00:51
MAC Address	IP	OS / Firmware Version	BIOS Version	Status	Online Time																																				
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F0:A0:35:A0:90:0E	115.51.94.238	1.5.70	1.5.49	BIOS Update	2020.01.12 00:51																																				


Figure 15 Grouped Device



Click **Device** in the left side of the screen. You will see information of the created device groups, including group name, device type, device profile, connection profile, device number, and the last edited time.

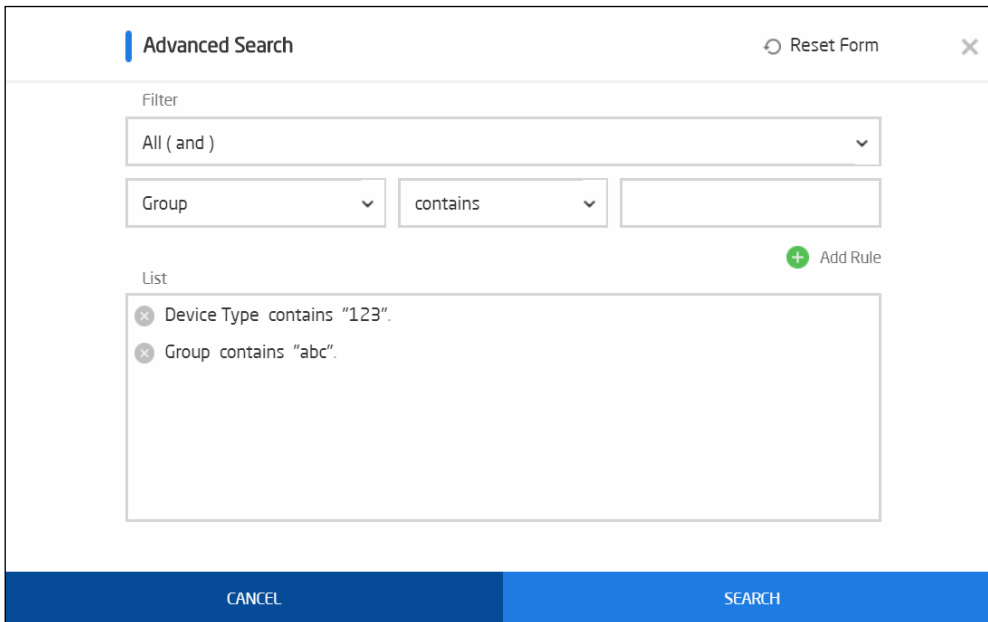
Select a group that you want to view detailed information of its devices. You are able to send power on/off, reboot, device update, factory reset, connection profile or device profile configuration update commands to the devices in a specific group.



You can add or delete devices from a group, move devices to a new group, or send power on/off, reboot, device update, factory reset, connection profile or device profile update commands to a specific device or multiple devices.



In search field , you can search any data that meets your search criteria.

Click the advanced search icon  to show advanced search screen. You can define search criteria to find particular data in grouped device screen. After

choosing the criteria you want to use and entering your search words, click the add rule icon  **Add Rule** to add rule in search list. You can add one or several search criteria. After completing the setting, click **SEARCH** to start data searching; or click **CANCEL** or icon  to close search screen and go back to grouped device screen.



Click the import icon  in the toolbar to import previously exported group data. Click the export icon  in the toolbar to export group data. If you didn't click and choose any group from the list, it exports all group data; if you click and choose a specific group from the list, it only exports the selected group data.

Click the expand icon  in the toolbar to extend and show all groups and the device information within each group. Click the collapse icon  in the toolbar to collapse all groups and the device information within each group.

Click each column header to sort the data in order of letter or number.

^ Group









▶	Jason_29A7
▶	Jason_29A7_user
▶	jason_test
▶	jason_test1

Sort data in ascending order

v Group

▶	TST1_DG_1
▶	Test_Running_02_47
▶	Test_Running_01_A7
▶	Test_InTask_02_48

Sort data in descending order

- Choose a group from the list and click a toolbar icon at the top of the window     to edit, send commands, view or delete a group.
- Click the edit icon  in the toolbar to edit group information.
- Click the send command icon  in the toolbar to send commands to devices in a group.
- Click the view icon  in the toolbar to view group information.
- Click the delete icon  in the toolbar to delete a group.

Right-click a group from the list and it will show a shortcut list of sending commands, editing, viewing, and deleting, which are the same as the icons in the toolbar.

▶ 003_DevGroup		DevProfile	006_ConnProfile	4	2019.05.22 00:03
▶ 002_DevGroup		DevProfile	003_ConnProfile	5	2019.05.22 00:02
▶ 001_DevGroup		DevProfile	004_ConnProfile	3	2019.05.22 00:01


Send Command





Edit

View

Delete

Export

 Bottom of List

- Choose a device in a group and click a toolbar icon at the top of the window  to view information, move the device to another group, or ungroup the device from the group.
- Click the send command icon  in the toolbar to send commands to a selected device.
- Click the move device icon  in the toolbar to move a selected device to another group.
- Click the ungroup icon  in the toolbar to remove a selected device from the current group. The removed device will be displayed in **Ungrouped** page.

Right-click a device from the list and it will show a shortcut list of sending commands, moving to another group, and ungrouping, which are the same as the icons in the toolbar.

MAC Address	IP	OS / Firmware Version	BIOS Version	Status	Online Time
5C:B9:27:F4:B0:A2	77.12.72.210	1.3.89	1.9.98	Factory Reset	2019.05.22 00:12
FE:91:F0:8B:9F:6E	48.11.218.145	1.5.65	1.6.80	Factory Reset	2019.05.22 00:11
3A:60:7F:BD:29:5D	123.10.88.147	1.4.76	1.6.77	Connected	2019.05.22 00:10
CF:69:F9:5D:C3:3C	199.9.33.168		4.17	Sleep	2019.05.22 00:09
002_DevGroup	TESTSTCC00		03_ConnProfile	5	2019.05.22 00:02

- Send Command
- Move to
- Ungroup

You can choose one or more groups or devices at the same time. The active functions (i.e. isn't grayed out) in the toolbar or the shortcut list are different in accordance with different choices and device states.

(1) Add Group

Before adding a group, ensure Device Type, Device Profile and Connection Profile data has been created and configured in DMS.

When a client device is registered to DMS server, it will upload device type it belongs to. You don't need to manually add the device type. If there isn't any device being registered in DMS, a message **No Device exist.** appears when adding a group.

Device Profile and Connection Profile can be created and configured in Profile - > Device Profile and Profile -> Connection Profile.

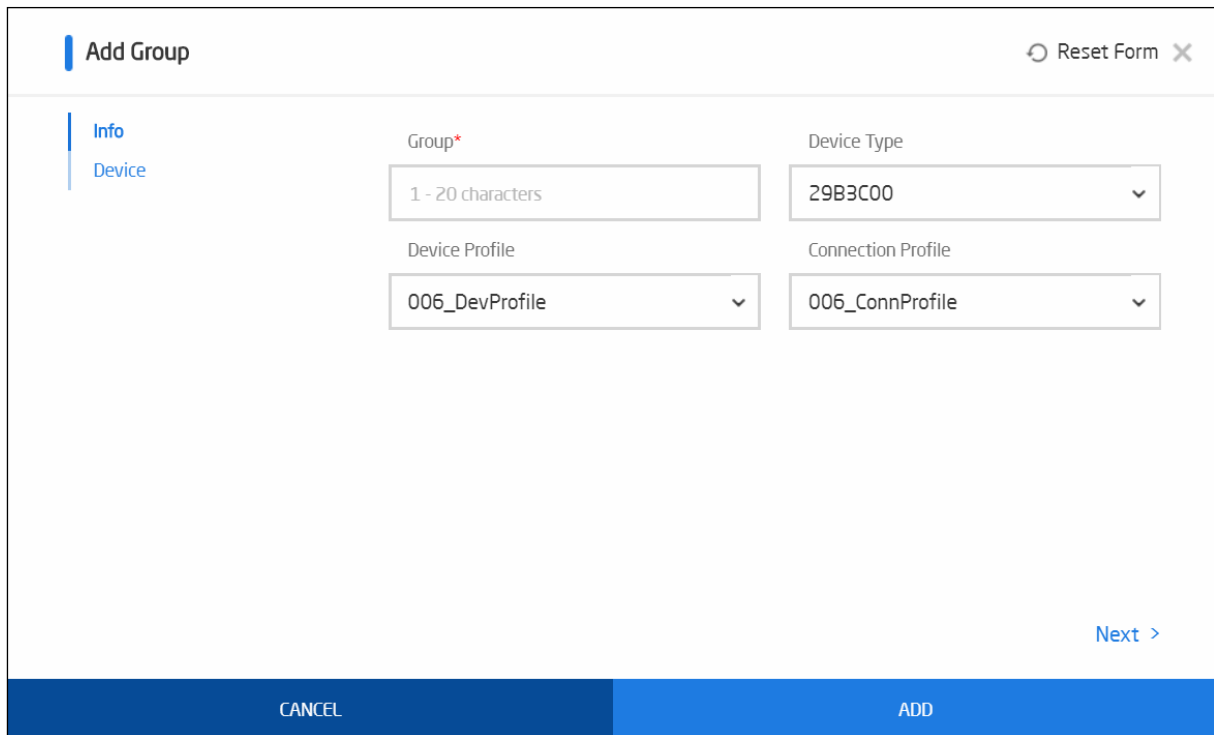





Figure 16 Add Group - Info

Click the **ADD** icon  in Grouped page to create a new group. Click **Info** tab on the left to enter the group name and choose device type, device profile, and connection profile. You can click **Info** or **Device** tab to switch the setting page at any time during the process.

Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured. If a device type has been established and existed in DMS, it will be displayed in the field in sequence. The device profiles and connection profiles available for this device type will also be displayed.

- **Group:** You must configure the group name. The length of the name field is 1 to 20 characters. Space is not allowed in group name.
- **Device Type:** Select a device type from the drop-down list. This field must be filled in. The drop-down list is generated when devices are registered with the DMS server.
- **Device Profile:** Select a device profile from the drop-down list. This field must be filled in. The device profile can be created in **Profile -> Device Profile** page.
- **Connection Profile:** Select a connection profile from the drop-down list. This field must be filled in. The connection profile can be created in **Profile -> Connection Profile** page.
- Click **Next >** or the **Device** tab on the left to move to the next setting page.
- Click **ADD** to add the new group and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon  **Reset Form** to reset the page content back to the default state and back to the first Add Group page.
- Click **CANCEL** or icon  to restore your previous settings and leave the page.

Add Group
Reset Form ✕

Info

Device

Select from list below to assign

^ Group	MAC Address	IP
003_DevGroup	5C:B9:27:F4:B0:A2	77.12.72.210
003_DevGroup	FE:91:F0:8B:9F:6E	48.11.218.145
003_DevGroup	3A:60:7F:BD:29:5D	123.10.88.147
003_DevGroup	CF:69:F9:5D:C3:3C	199.9.33.168
007_DevGroup	B9:AB:41:AA:69:B8	152.24.45.19
007_DevGroup	EC:21:60:80:75:13	26.23.240.86
007_DevGroup	7D:EA:79:93:32:E5	46.22.80.241

< Previous

CANCEL
ADD

Figure 17 Add Group - Device



Click **Device** tab on the left to select devices belonging to the device type to this group. All ungrouped and grouped devices will be displayed in the list. You can select one or multiple devices from the list.

You can click **Info** or **Device** tab to switch the setting page at any time during the process.

Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

In search field , you can search any data that meets your search criteria.

- Click **< Previous** or the **Info** tab on the left to move back to the previous setting page.
- Click **ADD** to add the new group and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.

- Click the **Reset Form** icon  **Reset Form** to reset the page content back to the default state and back to the first Add Group page.
- Click **CANCEL** or icon  to restore your previous settings and leave the page.

(2) Edit Group

You can only edit a group which isn't performing any task. After changing **Device Profile** or **Connection Profile** in Edit Group window, it will display the new task in Task window. Performing the task will apply the changed settings to all devices that are included in the group.

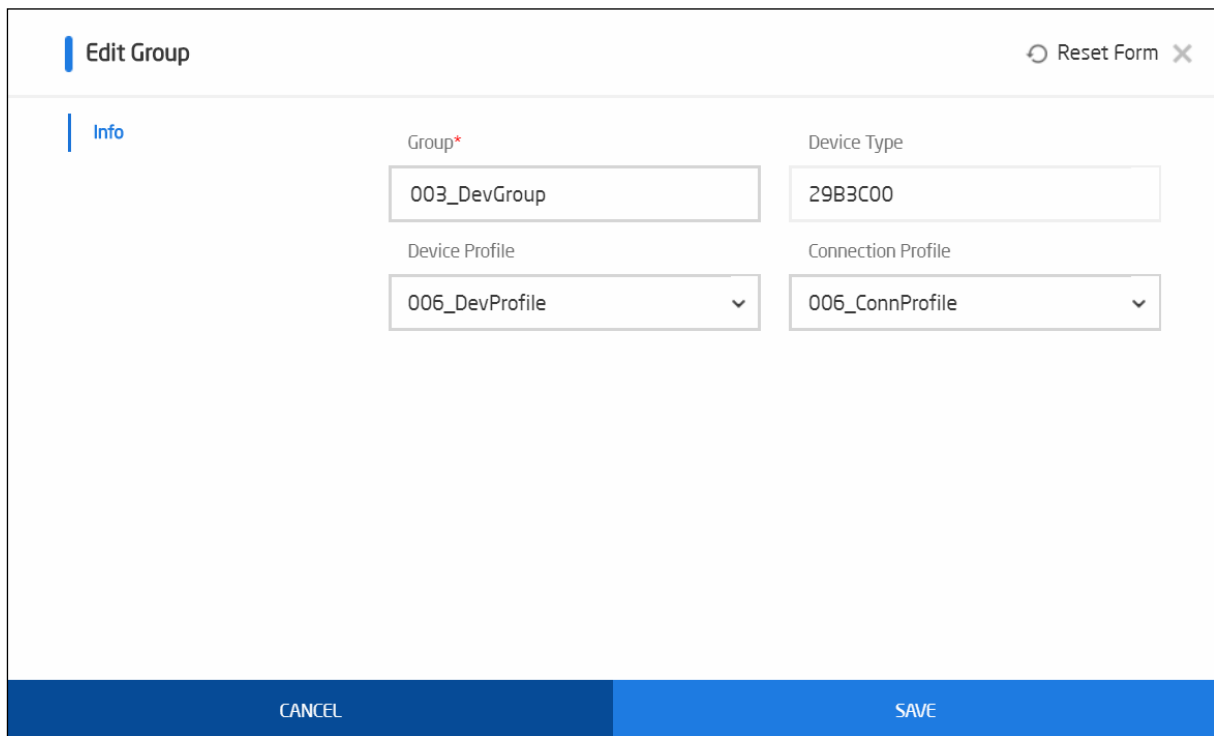





Figure 18 Edit Group

Choose a group from the list and click the edit icon  in the toolbar to show edit group configuration window. You can also right-click a group from the list to show the edit option.

In the Info tab it includes settings of group name, device type, device profile and connection profile. The device type is read only and cannot be modified. Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

- **Group:** You must configure the group name. The length of the name field is 1 to 20 characters. Space is not allowed in group name.
- **Device Type:** The field shows the selected device type and cannot be changed (i.e., is grayed out).
- **Device Profile:** Select a device profile from the drop-down list. This field must be filled in. The device profile can be created in **Profile -> Device Profile** page.
- **Connection Profile:** Select a connection profile from the drop-down list. This field must be filled in. The connection profile can be created in **Profile -> Connection Profile** page.
- Click **SAVE** to save the changes and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon  **Reset Form** to reset the page content back to the unedited state.
- Click **CANCEL** or icon  to restore your previous settings and leave the page.

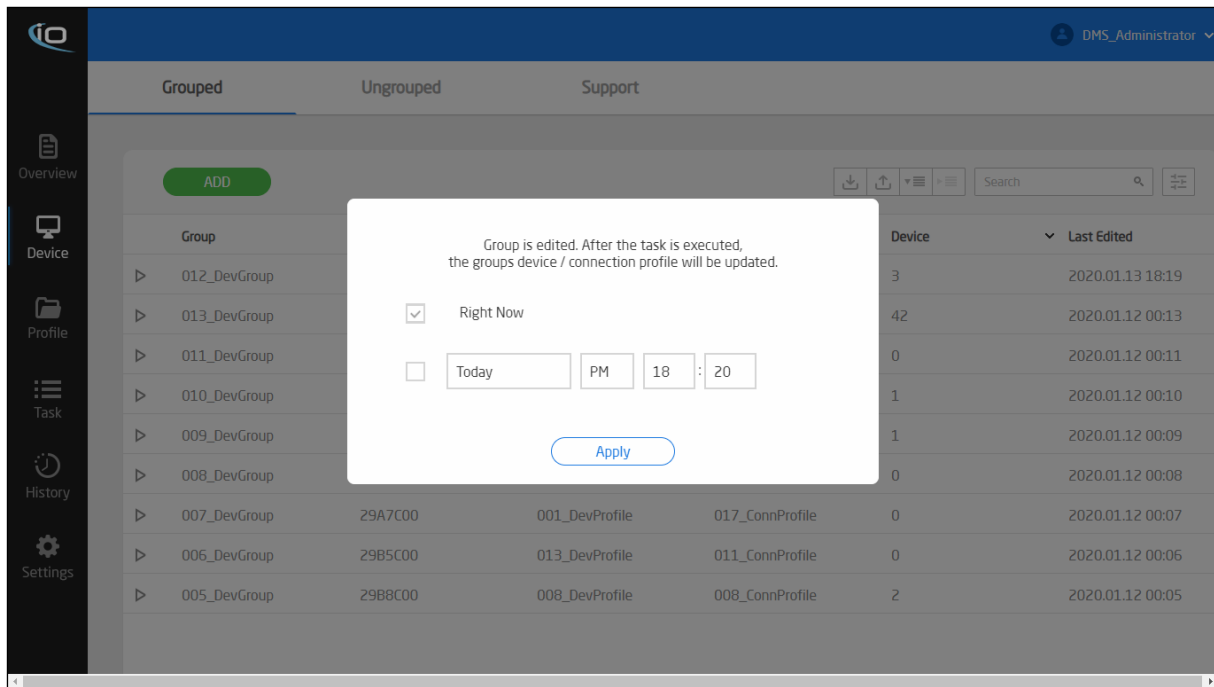


Figure 19 Task scheduling for an edited group

If a group is created with associated devices, after a group's **Device Profile** or **Connection Profile** being updated, DMS displays the new task in Task window. Performing the task will apply the changed settings to all devices that are included in the group.

You can execute the task immediately (choose "Right Now") or in the future by specifying the date and time. The date can only be configured as Today or Tomorrow. Once you complete the setting, click the **Apply** button to save the changes and close the dialogue.

The new task will be displayed in the Task scheduling list with a name format of sTask_G9999 (9999 is a randomly generated sequence number). A task of changing device profile or connection profile cannot be edited or deleted.

(3) View Group

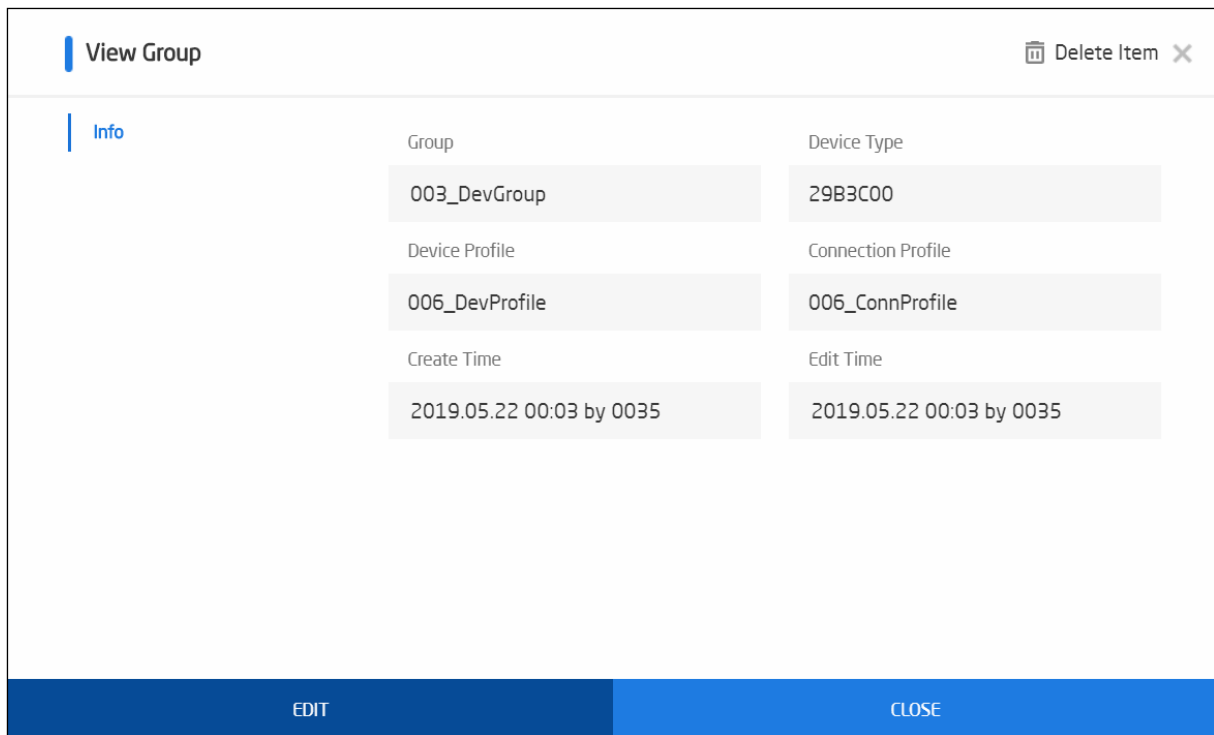




Figure 20 View Group - 1

Choose a group from the list and click the view icon  in the toolbar to view group configuration information. You can also right-click a group from the list to show the **View** option.

The view group window displays group relating information, including group name, device type, device profile, connection profile, created time, and edited time.

Click **CLOSE** or icon  to leave the view window or click **EDIT** to enter the edit group window.

Click the **Delete Item** icon  **Delete Item** to delete the specific group item.

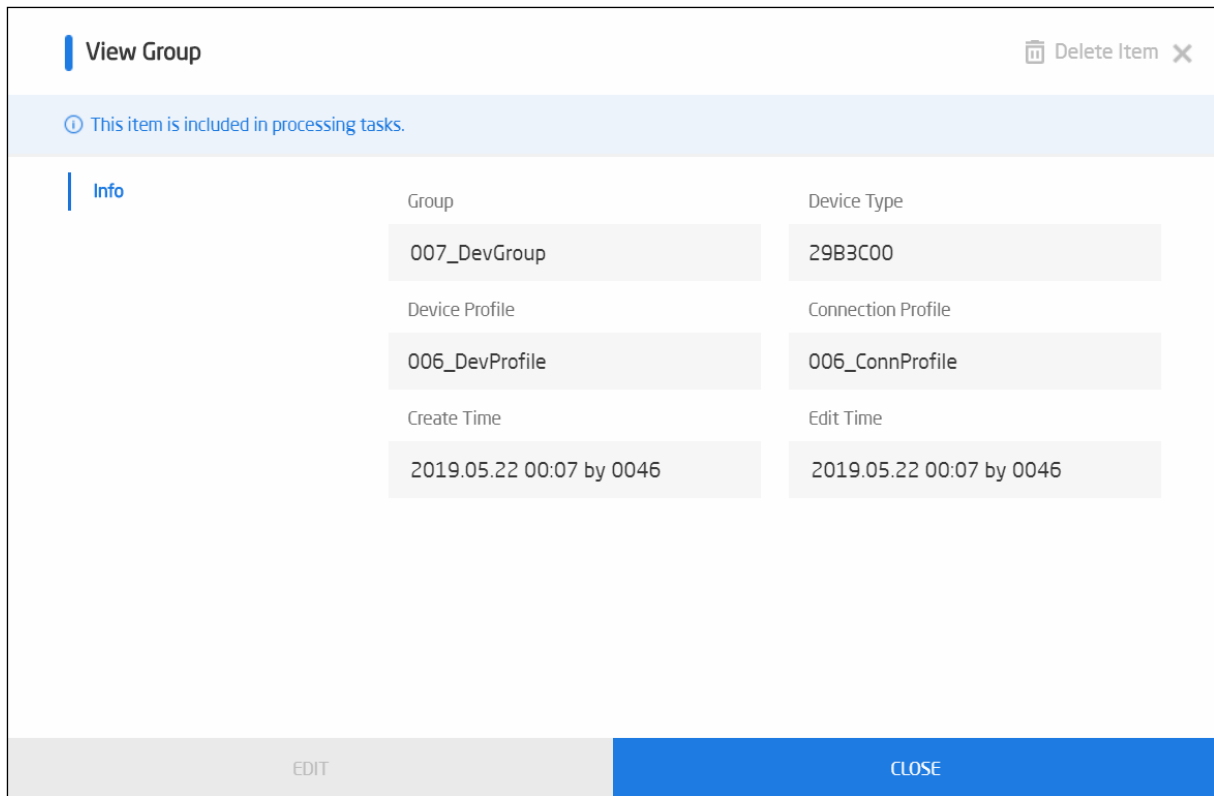


Figure 21 View Group - 2

If the viewed group is processing tasks, it will show **This item is included in processing tasks**. You can only view the processing task details but cannot edit or delete it.

Click the **CLOSE** or icon  to leave the view window.

(4) Delete Group

You can only delete a group if there are no processing tasks or commands for the group or the devices in the group. When there is a processing task or command, the delete group command is not active and you can only view the group information.

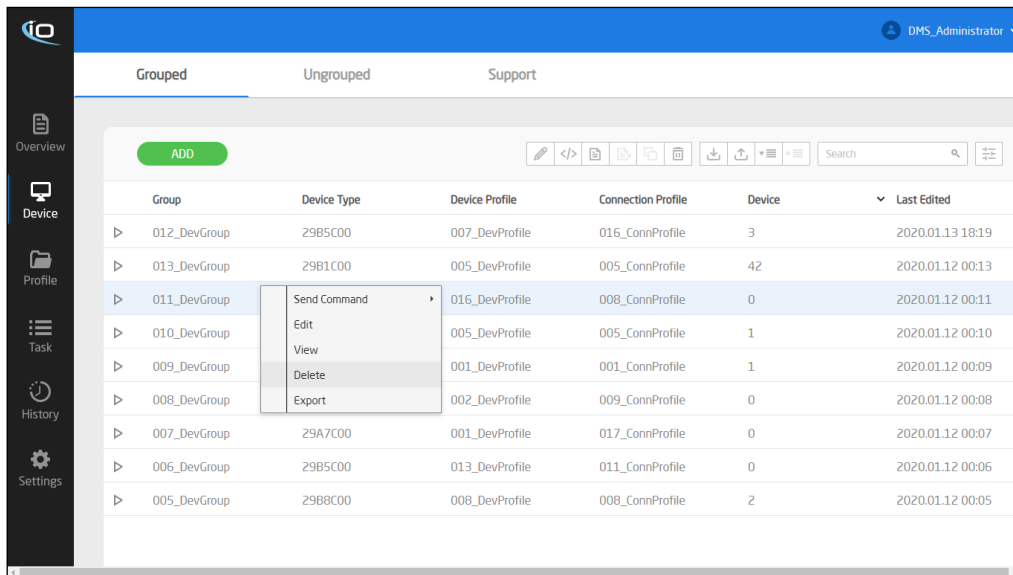

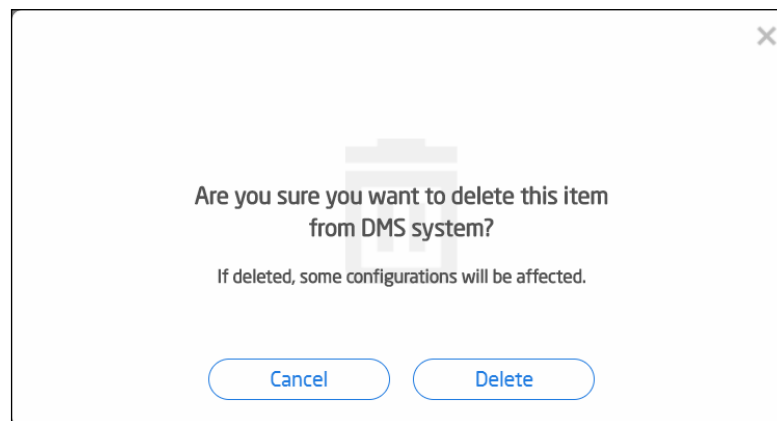


Figure 22 Delete Group

Choose a group from the list and click the delete icon  in the toolbar to delete the specific group. You can also right-click a group from the list to show the **Delete** option.

A confirmation dialogue appears. Click **Cancel** or icon  to leave the window without changes or click **Delete** to confirm the deletion.



(5) Send Command

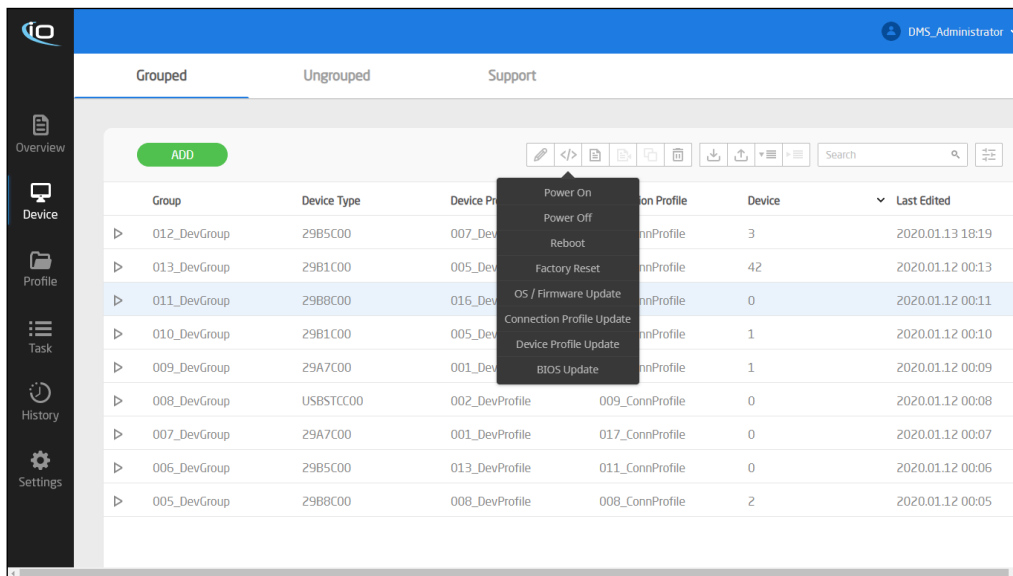


Figure 23 Send command through toolbar

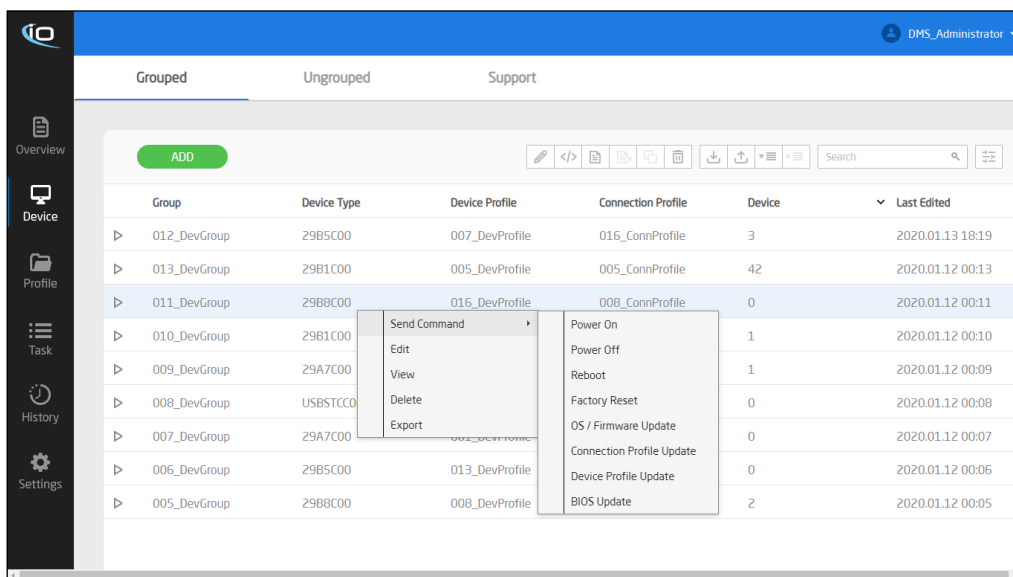



Figure 24 Send command through shortcut list

Choose a group from the list and click the send command icon  in the toolbar to send commands to all devices in the group.

You can also right-click a group from the list to show the **Send Command** option.

You can choose one or many groups to send a command. When devices are processing a task, the send command is not active.

The commands OS / Firmware Update or BIOS Update are displayed depending on whether the selected device type supports this feature.

Category	Device Status	Active Commands	Description
Grouped Device	Online	Power off Reboot OS / Firmware Update BIOS Update Factory Reset Connection Profile Update Device Profile Update	A user is using the devices or the device is in standby state.
	Sleep	Power off Reboot OS / Firmware Update BIOS Update Factory Reset Connection Profile Update Device Profile Update	A user doesn't use the device for a period of time; the screen is in sleep mode.
	Reboot	N/A	The device is rebooting.
	OS / Firmware Update	N/A	The device is updating OS or firmware.
	BIOS Update	N/A	The device is updating BIOS.
	Factory Reset	N/A	The device is resetting hardware.
	Connected	N/A	The device is in Citrix, RDP or VMware session.
	Offline	Power on	The device is off, can't connect to network, or break down.
Ungrouped Device	Online	Power off Reboot	A user is using the device or the device is in standby state.
	Sleep	Power off Reboot	A user doesn't use the device for a period of time; the screen is in sleep mode.
	Offline	Power on	The device is off, can't connect to network, or break down.

Table 4 Device status and active commands

The supported commands include power on/off, reboot, device update, factory reset, connection profile update, and device profile update. When devices are in some status, a command may not be active. Please refer to table above for more device type and active command details.

The **OS / Firmware Update** or **BIOS Update** command sent to devices will trigger the device update action and reboot the devices after completing update.

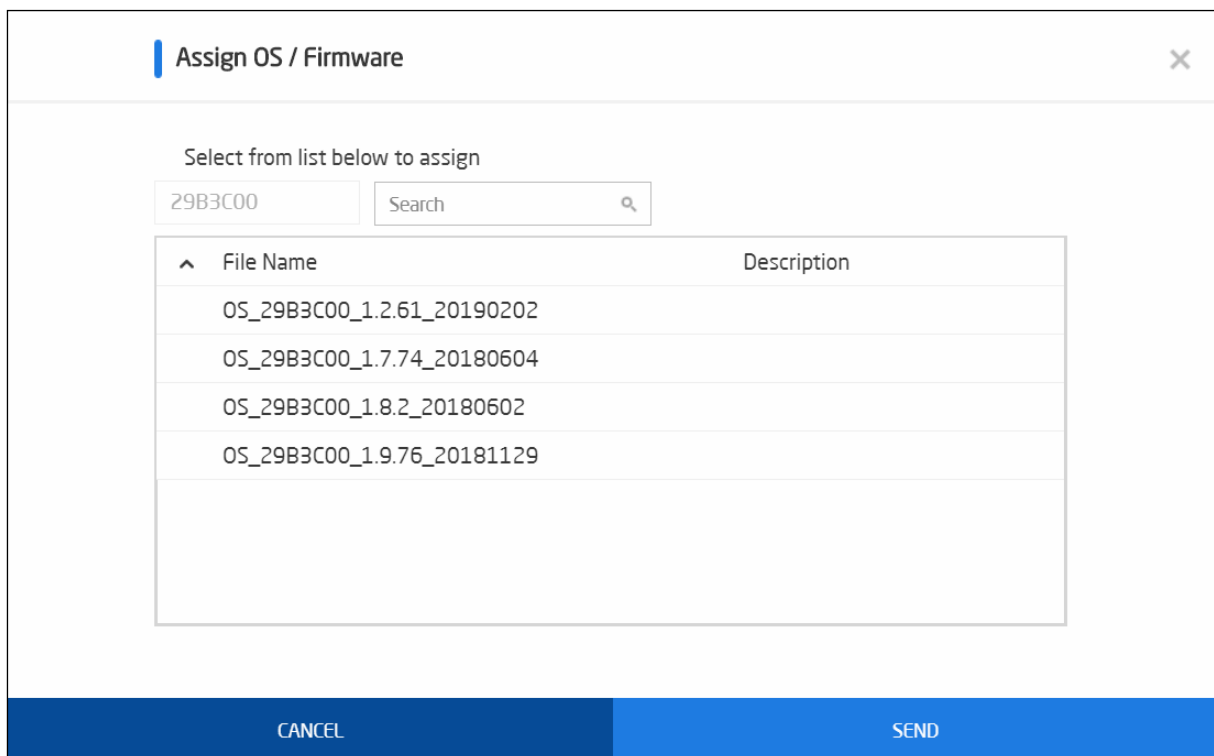


Figure 25 Send command – Select OS / firmware

When **OS / Firmware Update** command is selected, it shows OS / firmware selection screen. The file list shows all available files and information associated with this device type, including file name and description.

In search field , you can search any data that meets your search criteria.

The list is displayed in ascending order of file name by default. Click the column header of **File Name** to sort the data in order of letter or number.


Sort data in ascending order

File Name
OS_29B3C00_1.2.61_20190202
OS_29B3C00_1.7.74_20180604
OS_29B3C00_1.8.2_20180602
OS_29B3C00_1.9.76_20181129

Sort data in descending order

File Name
OS_29B3C00_1.9.76_20181129
OS_29B3C00_1.8.2_20180602
OS_29B3C00_1.7.74_20180604
OS_29B3C00_1.2.61_20190202

You can only select one file for OS / firmware update and cannot choose multiple files. After choosing the file you would like to send update command, click **SEND** to execute update command and leave the file selection window.

Click **CANCEL** or icon  to leave the file selection window without changes.

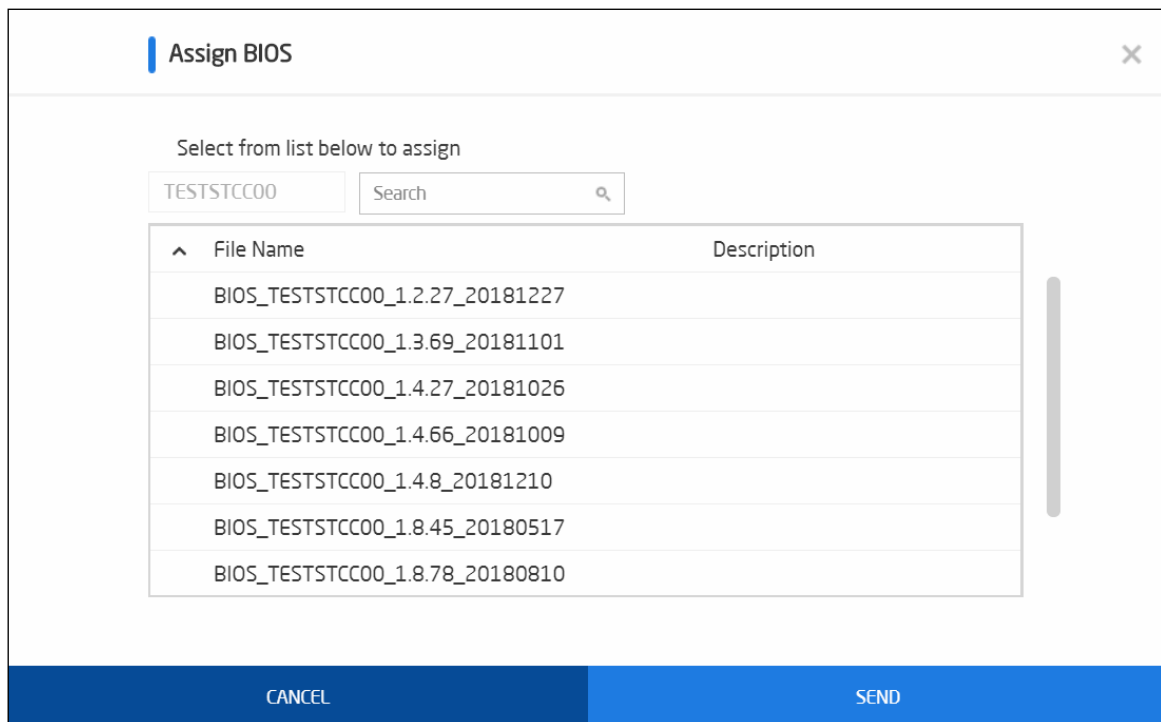



Figure 26 Send command – Select BIOS


When **BIOS Update** command is selected, it shows BIOS selection screen. The file list shows all available files and information associated with this device type, including file name and description.

In search field , you can search any data that meets your search criteria.

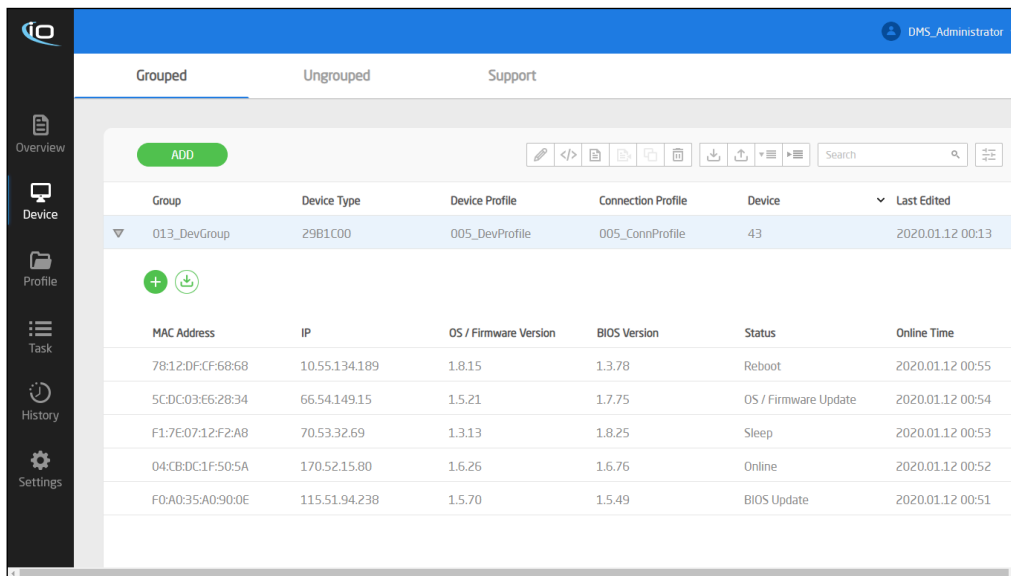
The list is displayed in ascending order of file name by default. Click the column header of **File Name** to sort the data in order of letter or number.

	File Name
	BIOS_TESTSTCC00_1.2.27_20181227
	BIOS_TESTSTCC00_1.3.69_20181101
	BIOS_TESTSTCC00_1.4.27_20181026
Sort data in ascending order	BIOS_TESTSTCC00_1.4.66_20181009
	File Name
	BIOS_TESTSTCC00_1.9.49_20181023
	BIOS_TESTSTCC00_1.8.9_20180712
	BIOS_TESTSTCC00_1.8.78_20180810
Sort data in descending order	BIOS_TESTSTCC00_1.8.45_20180517

You can only select one file for BIOS update and cannot choose multiple files. After choosing the file you would like to send update command, click **SEND** to execute update command and leave the file selection window.



Click **CANCEL** or icon  to leave the file selection window without changes.

(6) Devices in Group







Group	Device Type	Device Profile	Connection Profile	Device	Last Edited																																				
013_DevGroup	29B1C00	005_DevProfile	005_ConnProfile	43	2020.01.12 00:13																																				
<table border="1"> <thead> <tr> <th>MAC Address</th> <th>IP</th> <th>OS / Firmware Version</th> <th>BIOS Version</th> <th>Status</th> <th>Online Time</th> </tr> </thead> <tbody> <tr> <td>78:12:0F:CF:68:68</td> <td>10.55.134.189</td> <td>1.8.15</td> <td>1.3.78</td> <td>Reboot</td> <td>2020.01.12 00:55</td> </tr> <tr> <td>5C:DC:03:E6:28:34</td> <td>66.54.149.15</td> <td>1.5.21</td> <td>1.7.75</td> <td>OS / Firmware Update</td> <td>2020.01.12 00:54</td> </tr> <tr> <td>F1:7E:07:12:F2:A8</td> <td>70.53.32.69</td> <td>1.3.13</td> <td>1.8.25</td> <td>Sleep</td> <td>2020.01.12 00:53</td> </tr> <tr> <td>04:CB:DC:1F:50:5A</td> <td>170.52.15.80</td> <td>1.6.26</td> <td>1.6.76</td> <td>Online</td> <td>2020.01.12 00:52</td> </tr> <tr> <td>F0:A0:35:A0:90:0E</td> <td>115.51.94.238</td> <td>1.5.70</td> <td>1.5.49</td> <td>BIOS Update</td> <td>2020.01.12 00:51</td> </tr> </tbody> </table>						MAC Address	IP	OS / Firmware Version	BIOS Version	Status	Online Time	78:12:0F:CF:68:68	10.55.134.189	1.8.15	1.3.78	Reboot	2020.01.12 00:55	5C:DC:03:E6:28:34	66.54.149.15	1.5.21	1.7.75	OS / Firmware Update	2020.01.12 00:54	F1:7E:07:12:F2:A8	70.53.32.69	1.3.13	1.8.25	Sleep	2020.01.12 00:53	04:CB:DC:1F:50:5A	170.52.15.80	1.6.26	1.6.76	Online	2020.01.12 00:52	F0:A0:35:A0:90:0E	115.51.94.238	1.5.70	1.5.49	BIOS Update	2020.01.12 00:51
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F1:7E:07:12:F2:A8	70.53.32.69	1.3.13	1.8.25	Sleep	2020.01.12 00:53																																				
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F0:A0:35:A0:90:0E	115.51.94.238	1.5.70	1.5.49	BIOS Update	2020.01.12 00:51																																				


Figure 27 Grouped Devices




Choose a group from the list. Double-click left mouse button or click the icon  on the left to expand the group. Double-click left mouse button again or click the icon  on the left to collapse the group.

Group content shows the details of devices in the group, including a device's MAC address, IP address, OS / firmware version, BIOS version, serial number, device state, and the last online time.

Click the add icon  in an expanded group to add a new device in the group. Only the same type of devices can be added in a group. If there isn't a add icon  in an expanded group for you to add new devices, it indicates this group is processing a task and cannot be added new devices for the moment.

Click the import icon  in an expanded group to import device information in the group. If there isn't an import icon  in an expanded group for you to import devices, it indicates this group is processing a task and cannot be imported devices for the moment.

Choose a device in a group and click a toolbar icon  at the top of the window to send commands, move the device to another group, or ungroup the device from the group.

- Click the send command icon  in the toolbar to send commands to a selected device.
- Click the move device icon  in the toolbar to move a selected device to another group.
- Click the ungroup icon  in the toolbar to remove a selected device from the current group. The removed device will be displayed in **Ungrouped** page.

Right-click a device from the list and it will show a shortcut list of sending commands, moving to another group, and ungrouping, which is the same as the icons in the toolbar.

MAC Address	IP	OS / Firmware Version	BIOS Version	Status	Online Time
5C:B9:27:F4:B0:A2	77.12.72.210	1.3.89	1.9.98	Factory Reset	2019.05.22 00:12
FE:91:F0:8B:9F:6E	48.11.218.145	1.5.65	1.6.80	Factory Reset	2019.05.22 00:11
3A:60:7F:BD:29:5D	123.10.88.147	1.4.76	1.6.77	Connected	2019.05.22 00:10
CF:69:F9:5D:C3:3C	199.9.33.168	1.4.73	1.4.17	Sleep	2019.05.22 00:09

Send Command ▶

Move to

Ungroup

You can choose one or more groups or devices at the same time. The active functions (i.e. isn't grayed out) in the toolbar or the shortcut list are different in accordance with different choices and device states.

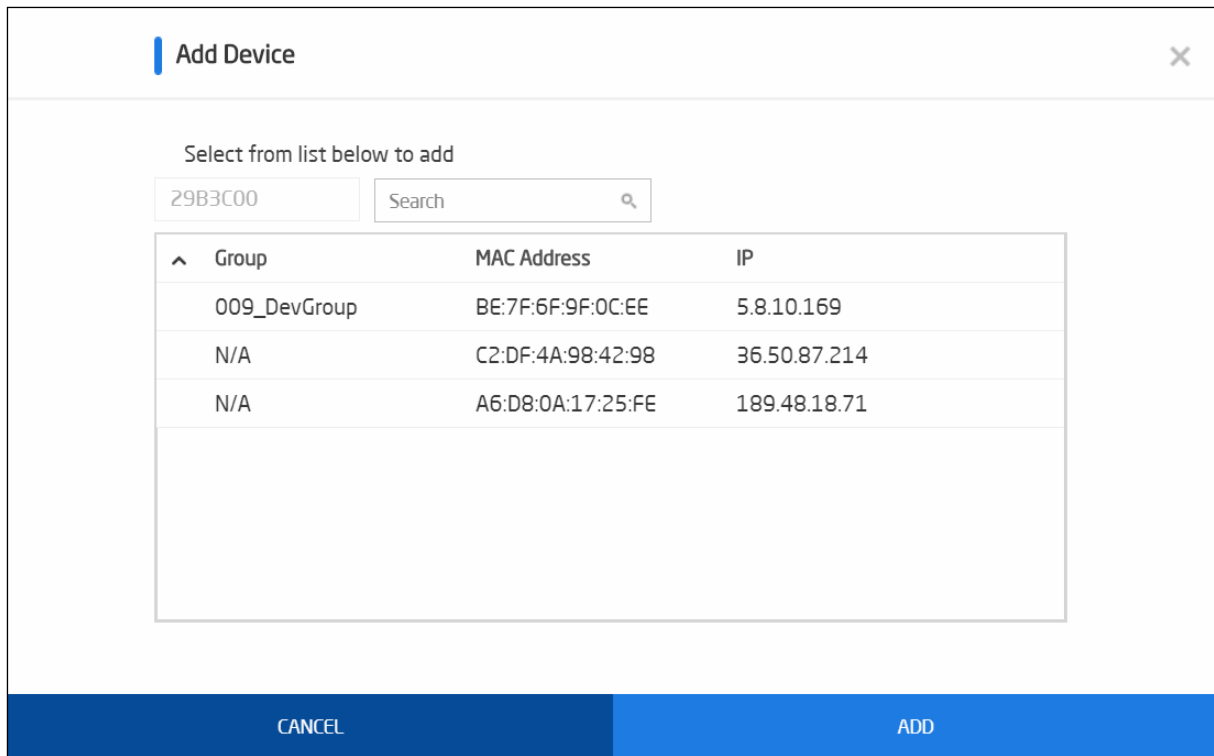





Figure 28 Add Device in a Group

Click the add icon  in an expanded group to add a new device in the group. Only the same type of devices can be added in a group. All ungrouped and grouped devices will be displayed in the list. You can select one or multiple devices from the list.

In search field , you can search any data that meets your search criteria.

Choose one or many devices from the list and click **ADD** to add the devices and leave the page.

Click **CANCEL** or icon  to restore your previous settings and leave the page.

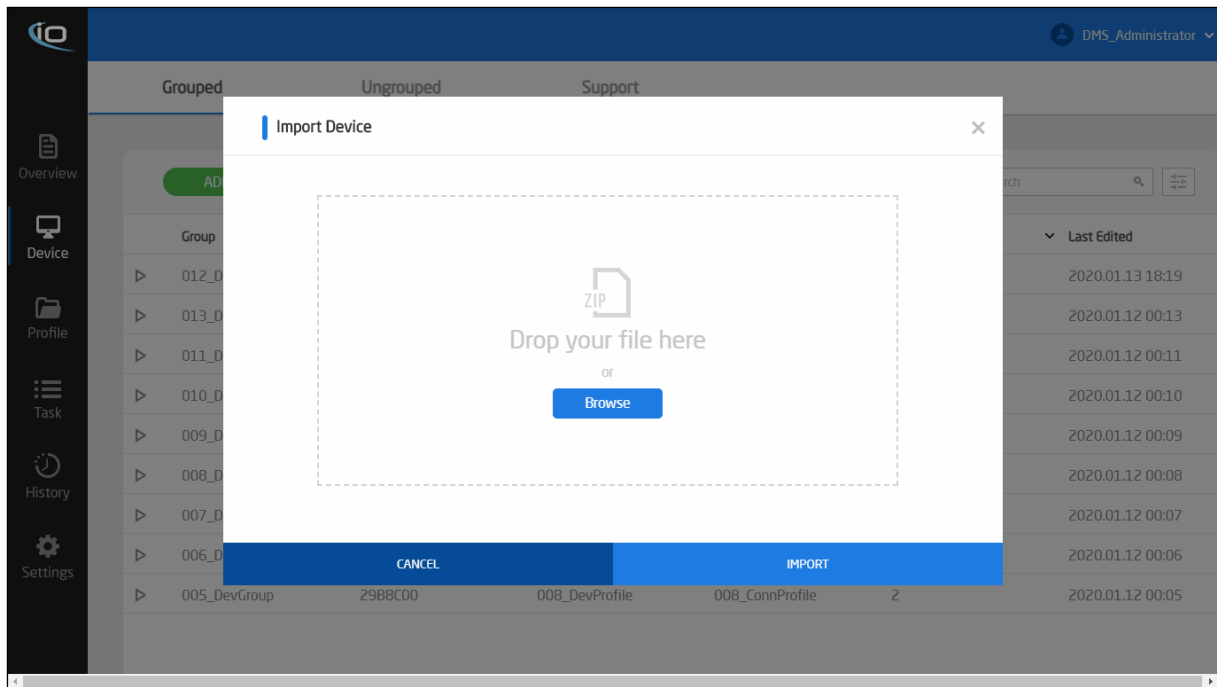



Figure 29 Import Device in a Group

Click the import icon  in an expanded group to import device information in the group. You can drag the file here or click **Browse** and choose the file (*.zip) you want to import. You can only import one file at a time.

Choose the file you want to import and click **IMPORT** to import device information and leave the window. If there is any error happening during importing process, it shows error message. You can download and view the error report.

Click **CANCEL** to leave the import device window without changes.

(7) Export Group

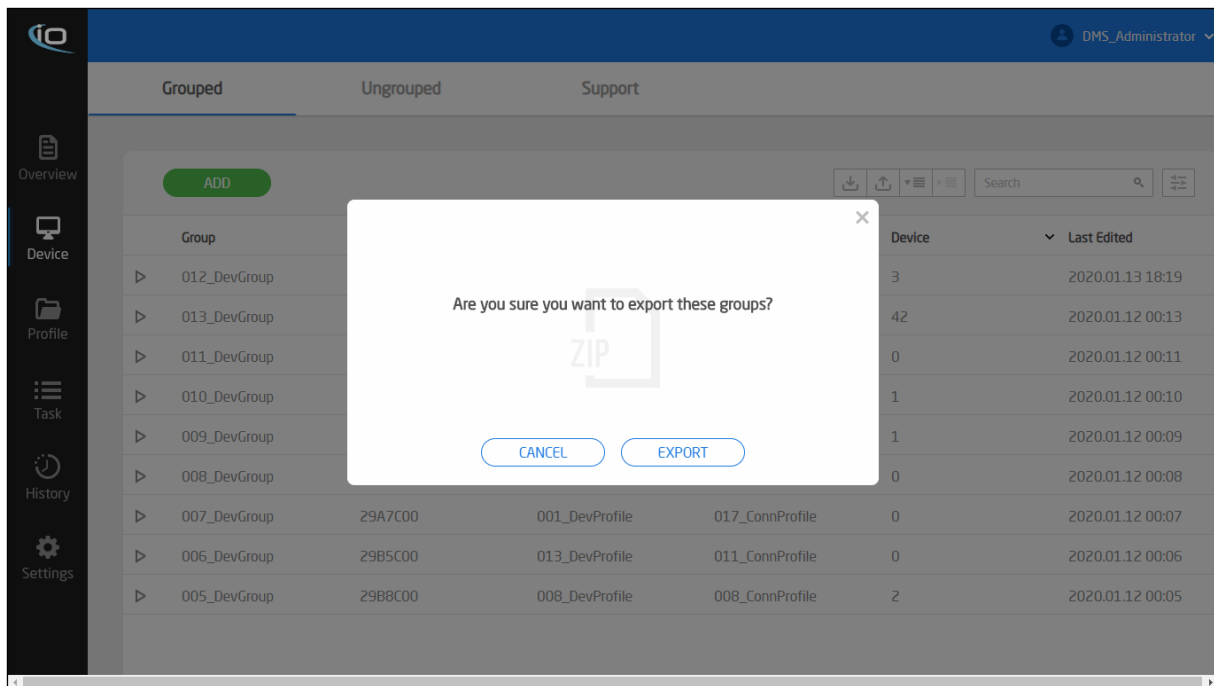




Figure 30 Export Group Confirmation Window

Choose one or multiple groups from the device group list to export the data.

Click the export icon  in the toolbar or click **Export** from the shortcut list to export group data.

If you didn't click and choose any group from the list, it exports all group data; if you click and choose a specific group from the list, it exports the selected group data.

Click **EXPORT** to export group data. Depending on your browser setting, a window may appear for you to choose the export file location, or the file is exported directly to an assigned download location. If there is any error happening during exporting process, it shows error message.

Click **CANCEL** or icon  to leave the export window without changes.


```

{"DMS":{"Version":"2.2.0","CreateTime":"20180601092525","deviceTypeData":{"items":[{"abilityFlag":{"referenceArea":{"timeZone":"001_003"},"supportSSH":"0","supportConnType":"4","vncInfo":{"portRef":"","port":"","passwordRef":"","der":"2","valueType":"0","defaultValue":"admin","required":"1","subFileArray":{},"colorFormat":"0","key":"001_002"},"imgItemOption":"0","fieldType":"1","allowMultipleValues":"0","adaptiveControl":"0","imgResolution":{"abilitySupport":"1","decryptS":{"name":"GMT+05:00","value":"23"},"name":"GMT+05:30","value":"24"},"name":"GMT+05:45","value":"25"},"name":"GMT+06:00","value":"26"},"name":"GMT+06:30","value":"27"},"name":"GMT+07:00","value":"28"},"name":"GMT+08:00","ptShowValue":"0","valueLength":{"1,1},"fileSize":{},"values":{"content":{"name":"Single","value":"0"},"name":"Extend these displays","value":"1"},"name":"Duplicate these displays","value":"2"},"mutualExclusion":"0","effect":{"effectField":{"efiWValue":"0","valueLength":{"1,1},"fileSize":{},"values":{"content":{"name":"VGA-1","value":"0"},"name":"DVI-2","value":"1"},"name":"DVI-3","value":"2"},"mutualExclusion":"0","effect":{"contentType":"0","usingContentKey":"","name":"Primary","value":"15"},"name":"1024x768","value":"16"},"name":"1152x864","value":"17"},"name":"1280x720","value":"18"},"name":"1280x768","value":"19"},"name":"1280x800","value":"20"},"name":"1280x1024","value":"21"},"name":"1366x768","pe":"1","defaultValue":"8","required":"1","subFileArray":{},"colorFormat":"0","key":"002_003"},"imgItemOption":"0","fieldType":"1","allowMultipleValues":"0","adaptiveControl":"0","imgResolution":{"abilitySupport":"1","decryptShowValue":"0","valueLen on":"","abilitySupport":"1","valueLength":{"1,1},"fileSize":{},"values":{"content":{"name":"Landscape(Right)","value":"0"},"name":"Landscape(Left)","value":"1"},"name":"Portrait(Above)","value":"2"},"name":"Portrait(Below)","value":"3"},"mut ue":"","key":"003_006"},"value":"0"},"effectField":{"effect":"1","fillValue":"","key":"003_002"},"effect":"1","fillValue":"","key":"003_003"},"effect":"1","fillValue":"","key":"003_004"},"effect":"1","fillValue":"","key":"003_005"},"effect":"1","fillV acelInValue":"0","displayOrder":"3","valueType":"0","defaultValue":"","required":"1","subFileArray":{},"colorFormat":"0","key":"003_003"},"imgItemOption":"0","fieldType":"3","allowMultipleValues":"0","adaptiveControl":"0","imgResolution":{"abilitySuj lowSpaceInValue":"0","displayOrder":"6","valueType":"0","defaultValue":"","required":"0","subFileArray":{},"colorFormat":"0","key":"003_006"},"key":"003"},"abilityFlag":{"name":"Auto Login Connection","displayOrder":"4","abilitySupport":"1","se nValue":"0","displayOrder":"1","valueType":"1","defaultValue":"0","required":"1","subFileArray":{},"colorFormat":"0","key":"004_001"},"imgItemOption":"0","fieldType":"1","allowMultipleValues":"0","adaptiveControl":"0","imgResolution":{"abilitySupport #lValue":"","key":"004_004"},"value":"1"},"contentType":"0","usingContentKey":"","name":"Auto Monitor Resolution","allowSpaceInValue":"0","displayOrder":"3","valueType":"1","defaultValue":"1","required":"1","subFileArray":{},"colorFormat":"0"," gResolution":{"abilitySupport":"1","decryptShowValue":"0","valueLength":{"1,1},"fileSize":{},"values":{"content":{"name":"Disable","value":"0"},"name":"Enable","value":"1"},"mutualExclusion":"0","effect":{"effectField":{"effect":"1","fillValue":""," einValue":"0","displayOrder":"6","valueType":"0","defaultValue":"","required":"1","subFileArray":{},"colorFormat":"0","key":"004_006"},"imgItemOption":"0","fieldType":"0","allowMultipleValues":"0","adaptiveControl":"0","imgResolution":{"abilitySupp omainName","allowSpaceInValue":"0","displayOrder":"9","valueType":"0","defaultValue":"","required":"1","subFileArray":{},"colorFormat":"0","key":"004_009"},"key":"004"},"abilityFlag":{"name":"USB","displayOrder":"5","abilitySupport":"1","sett usingContentKey":"","name":"SmartCard Reader Redirection","allowSpaceInValue":"0","displayOrder":"2","valueType":"1","defaultValue":"","required":"1","subFileArray":{},"colorFormat":"0","key":"005_002"},"imgItemOption":"0","fieldType":"1"," mutualExclusion":"0","effect":{"contentType":"0","usingContentKey":"","name":"Audio I/O","allowSpaceInValue":"0","displayOrder":"1","valueType":"1","defaultValue":"","required":"1","subFileArray":{},"colorFormat":"0","key":"006_001"},"k owSpaceInValue":"0","displayOrder":"2","valueType":"1","defaultValue":"","required":"1","subFileArray":{},"colorFormat":"0","key":"007_002"},"imgItemOption":"0","fieldType":"1","allowMultipleValues":"0","adaptiveControl":{"abili ,required":"1","subFileArray":{},"colorFormat":"0","key":"007_004"},"key":"007"},"abilityFlag":{"name":"System","displayOrder":"8","abilitySupport":"1","settingFields":{"imgItemOption":"0","fieldType":"1","allowMultipleValues":"0","adaptiveCon 2},"name":"CN","value":"3"},"name":"Slovensko","value":"4"},"name":"Russia","value":"5"},"name":"Korea","value":"6"},"mutualExclusion":"0","effect":{"contentType":"0","usingContentKey":"","name":"Keyboard Layout","allowSpaceInValue "0","required":"1","subFileArray":{},"key":"010_001"},"colorFormat":"0"},"key":"010"},"abilityFlag":{"name":"WallPaper","displayOrder":"11","abilitySupport":"1","settingFields":{"imgItemOption":"0","imgResolutionMustEqual":"0","fieldType":"7","all 0","fillValue":"","key":"011_004"},"value":"1"},"contentType":"0","usingContentKey":"","name":"WallPaper Image","allowSpaceInValue":"0","displayOrder":"2","valueType":"1","defaultValue":"","required":"1","subFileArray":{},"key":"011_002"},"col eLength":{"1,20},"fileSize":{"0,15000},"values":{"content":{"name":"WallPaper Image File","allowSpaceInValue":"0","displayOrder":"4","valueType":"0","defaultValue":"","required":"1","subFileArray":{"png"},"colorFormat":"0","key":"011_004"},"key":"011"}," effect":"1","fillValue":"","key":"012_003"},"value":"0"},"effectField":{"effect":"0","fillValue":"","key":"012_003"},"value":"1"},"contentType":"0","usingContentKey":"","name":"Logo Image","allowSpaceInValue":"0","displayOrder":"2","valueType eldType":"0","allowMultipleValues":"0","adaptiveControl":"0","imgResolution":{"abilitySupport":"1","decryptShowValue":"0","valueLength":{"1,30},"fileSize":{},"values":{"name":"Server","allowSpaceInValue":"0","displayOrder":"1","valueType":"0","del 0","fieldType":"0","allowMultipleValues":"0","adaptiveControl":"0","imgResolution":{"abilitySupport":"1","decryptShowValue":"1","valueLength":{"1,30},"fileSize":{},"values":{"name":"Password","allowSpaceInValue":"0","displayOrder":"4","valueType "abilitySupport":"1","decryptShowValue":"0","valueLength":{"1,30},"fileSize":{},"values":{"name":"Domain","allowSpaceInValue":"0","displayOrder":"2","valueType":"0","defaultValue":"","required":"1","subFileArray":{},"colorFormat":"0","key":"999_0 nced"},"displayOrder":"2","abilitySupport":"1","settingFields":{"imgItemOption":"0","imgResolutionMustEqual":"0","fieldType":"0","allowMultipleValues":"0","adaptiveControl":"0","imgResolution":{"abilitySupport":"1","decryptShowValue":"0","valueLen {"name":"HTTP","value":"0"},"name":"HTTPS","value":"1"},"mutualExclusion":"0","effect":{"contentType":"0","usingContentKey":"","name":"Connection Mode","allowSpaceInValue":"0","displayOrder":"3","valueType":"1","defaultValue":"0","require valueLength":{"1,30},"fileSize":{},"values":{"name":"Domain","allowSpaceInValue":"0","displayOrder":"2","valueType":"0","defaultValue":"","required":"1","subFileArray":{},"colorFormat":"0","key":"999_001_001_002"},"imgItemOption":"0","imgRe lues":"0","adaptiveControl":"0","imgResolution":{"abilitySupport":"1","decryptShowValue":"0","valueLength":{"1,10},"fileSize":{},"values":{"name":"Port","allowSpaceInValue":"0","displayOrder":"3","valueType":"0","defaultValue":"3389"},"required": 7_002"},"value":"1","key":"007_003"},"value":"1","key":"007_004"},"value":"0","key":"008_001"},"imgContent":{"content":{"DeviceProfile/29A7C00/000000000012/011_004/w_6.png","needToUpload":true,"isBASE64":false,"useDeviceD ,connectionProfileName":"3333333333","deviceProfileId":"1","connectionProfileId":"1","deviceGroupId":"1","deviceTypeName":"29A7C00"}}}
    
```

Figure 31 Export Group Data

The exported data includes group information, and the device, device profile, and connection profile information in the group.

The exported format is a compressed file (.zip) with a file name DMS_Group_yyyymmdd_hhmmss.zip (“DMS_Group”: fixed characters, “yyymmdd”: exported year/month/day, “hhmmss”: exported time – hour/minute/second). The compressed file includes text and image files.

The item or data is displayed with quotation marks (“ ”). Two values are separated with a comma (","). If not specified otherwise, please do not change exported contents, so as to avoid any importing error.

(8) Import Group

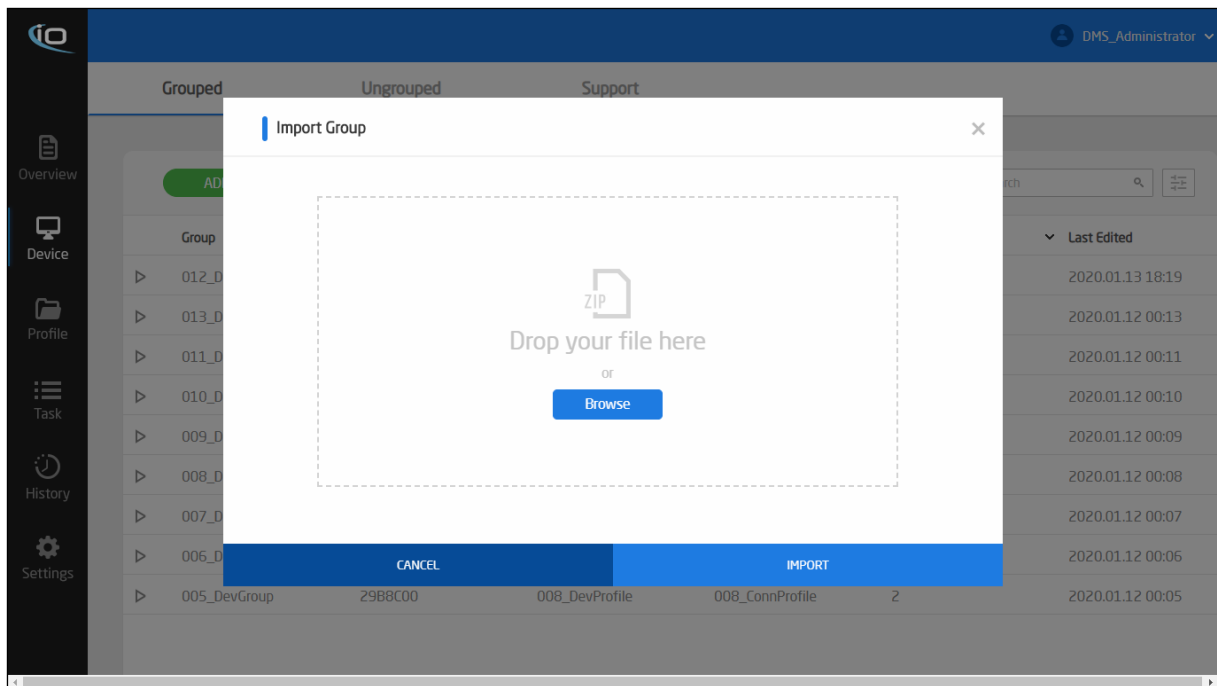



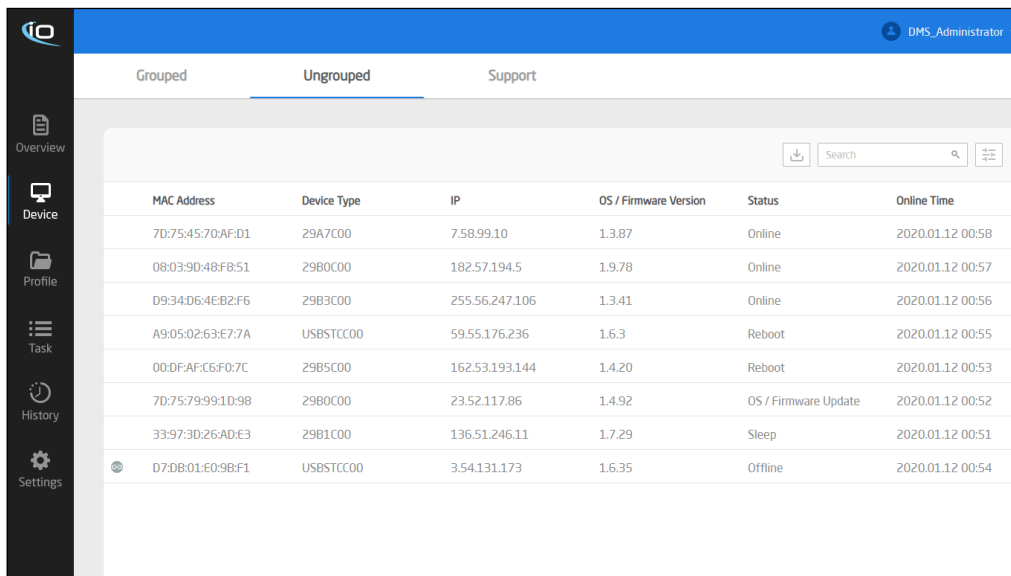
Figure 32 Import Group

In Group main window, click the import icon  in the toolbar to import group data. You can drag the file here or click **Browse** and choose the file (*.zip) you want to import. You can only import one file at a time.

Click **IMPORT** to import group data and then leave the window. If there is any error happening during importing process, it shows error message. You can download and view the error report.

Click **CANCEL** to leave the import window without changes.

3.5.2 Ungrouped



MAC Address	Device Type	IP	OS / Firmware Version	Status	Online Time
7D:75:45:70:AF:D1	Z9A7C00	7.58.99.10	1.3.87	Online	2020.01.12 00:58
08:03:9D:48:F8:51	Z9B0C00	182.57.194.5	1.9.78	Online	2020.01.12 00:57
D9:34:D6:4E:B2:F6	Z9B3C00	255.56.247.106	1.3.41	Online	2020.01.12 00:56
A9:05:02:63:E7:7A	USBSTCC00	59.55.176.236	1.6.3	Reboot	2020.01.12 00:55
00:DF:AF:C6:F0:7C	Z9B5C00	162.53.193.144	1.4.20	Reboot	2020.01.12 00:53
7D:75:79:99:1D:98	Z9B0C00	23.52.117.86	1.4.92	OS / Firmware Update	2020.01.12 00:52
33:97:3D:26:AD:E3	Z9B1C00	136.51.246.11	1.7.29	Sleep	2020.01.12 00:51
07:DB:01:E0:9B:F1	USBSTCC00	3.54.131.173	1.6.35	Offline	2020.01.12 00:54



Figure 33 Ungrouped Device


Click **Device** in the left side of the screen. Then click **Ungrouped** page to show all devices which are not included in any group.

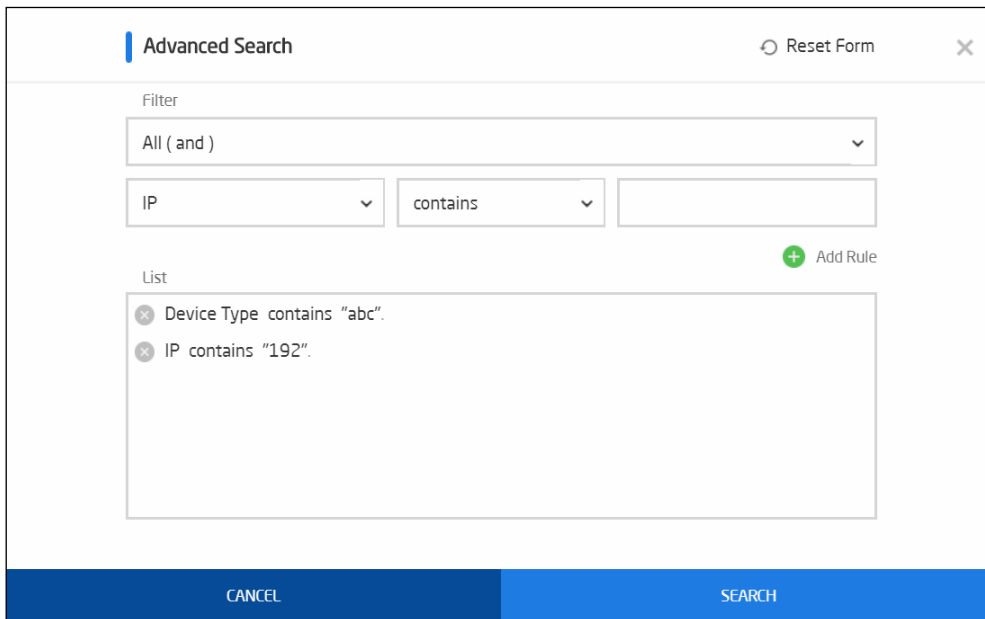
The list shows all ungrouped device information, including each device's MAC address, device type, IP address, OS / firmware version, device status, and the last online time.


When a device turns on for the first time, it is automatically registered to DMS, which is located in the same network, and sends device information to DMS. After completing the register, the device is shown in ungrouped page.

In search field , you can search any data that meets your search criteria.

Click the advanced search icon  to show advanced search screen. You can define search criteria to find particular data in ungrouped device screen. After choosing the criteria you want to use and entering your search words, click the add rule icon  **Add Rule** to add rule in search list. You can add one or

several search criteria. After completing the setting, click **SEARCH** to start data searching; or click **CANCEL** or icon  to close search screen.



Click the import icon  in the toolbar to import device data.

Click each column header to sort the data in order of letter or number.

^ MAC Address
00:05:5D:F3:41:2B
00:23:54:F2:61:E1
00:30:04:0D:B3:09
00:30:04:0D:B3:0A

Sort data in ascending order

▼ **MAC Address**

D4:BE:D9:84:E8:74





BB:BB:BB:BB:BB:BB





AA:AA:AA:AA:AA:AA

11:11:11:11:11:11

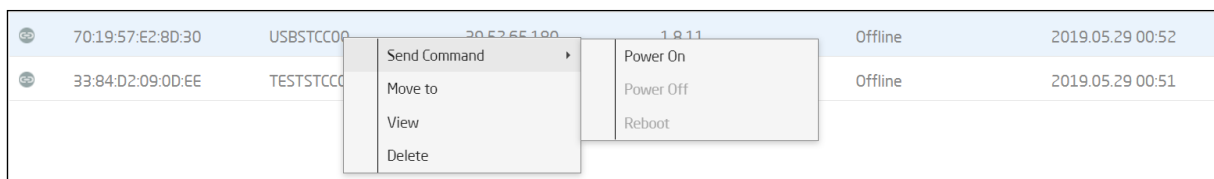
Sort data in descending order

The default sorting order is according to the latest online time of a device.

Choose a device in the ungrouped page and click a toolbar icon at the top of the window     to send commands, move the device to a specific group, view device, or delete the device.

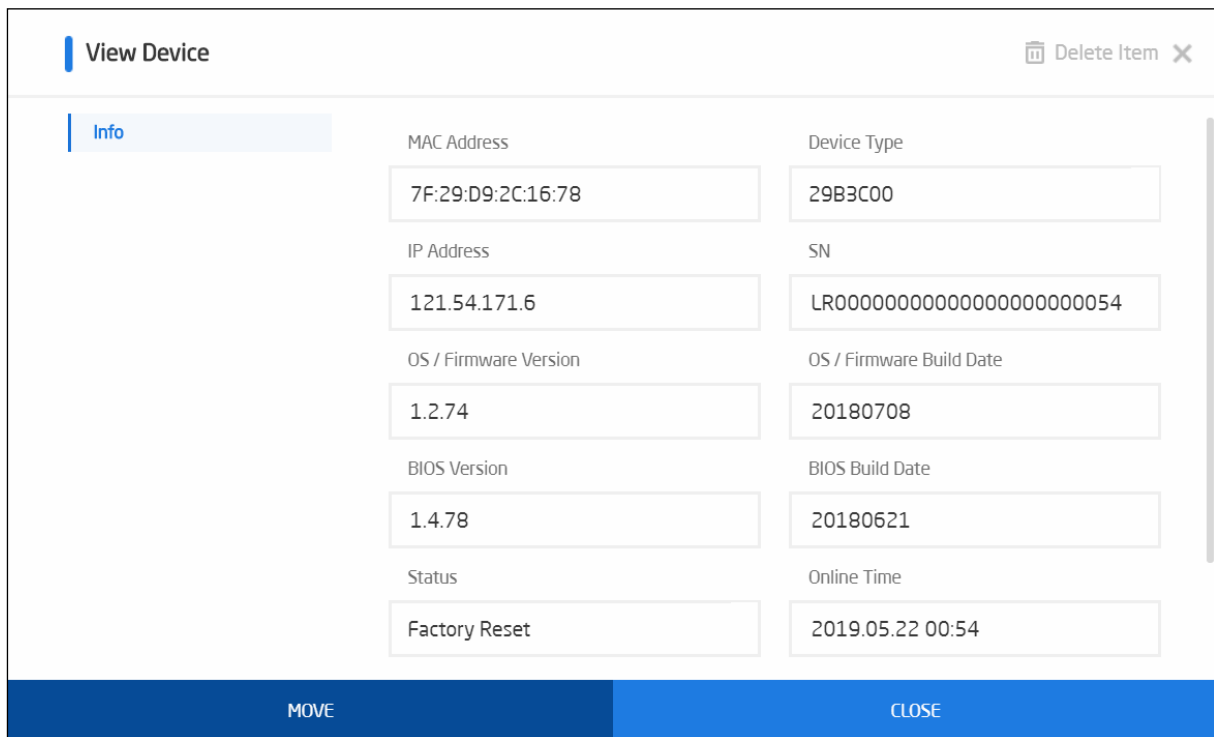
- Click the send commands icon  in the toolbar to send commands to a selected device.
- Click the move device icon  in the toolbar to move a selected device to a specific group.
- Click the view icon  in the toolbar to view device information.
- Click the delete icon  in the toolbar to delete the device. **Note** that only an offline device can be deleted. When a deleted device is registered to DMS once again in the future, it will be shown in ungrouped list.

Right-click a device from the list and it will show a shortcut list of sending commands, moving to a specific group, viewing information, or deleting a device which is in offline state, which is the same as the icons in the toolbar.



You can choose one or more groups or devices at the same time. The active functions (i.e. isn't grayed out) in the toolbar or the shortcut list are different in accordance with different choices and device states.

(1) View Device





The screenshot shows a 'View Device' window with a 'Delete Item' button in the top right. The main content area is titled 'Info' and contains a table of device configuration details:

MAC Address	7F:29:D9:2C:16:78	Device Type	29B3C00
IP Address	121.54.171.6	SN	LR0000000000000000000054
OS / Firmware Version	1.2.74	OS / Firmware Build Date	20180708
BIOS Version	1.4.78	BIOS Build Date	20180621
Status	Factory Reset	Online Time	2019.05.22 00:54

At the bottom of the window, there are two buttons: 'MOVE' and 'CLOSE'.

Figure 34 View Device

Choose a device from the list and click the view icon  in the toolbar to view device configuration information. You can also right-click a device from the list to show the **View** option.

Click the Delete Item icon  **Delete Item** to delete the specific device item.

Note that only an offline device can be deleted. When a deleted device is registered to DMS once again in the future, it will be shown in ungrouped list.

Click **CLOSE** or icon  to leave the view window.

Click **MOVE** to show group selection window and move the device to the specific group.

(2) Send Command to Device

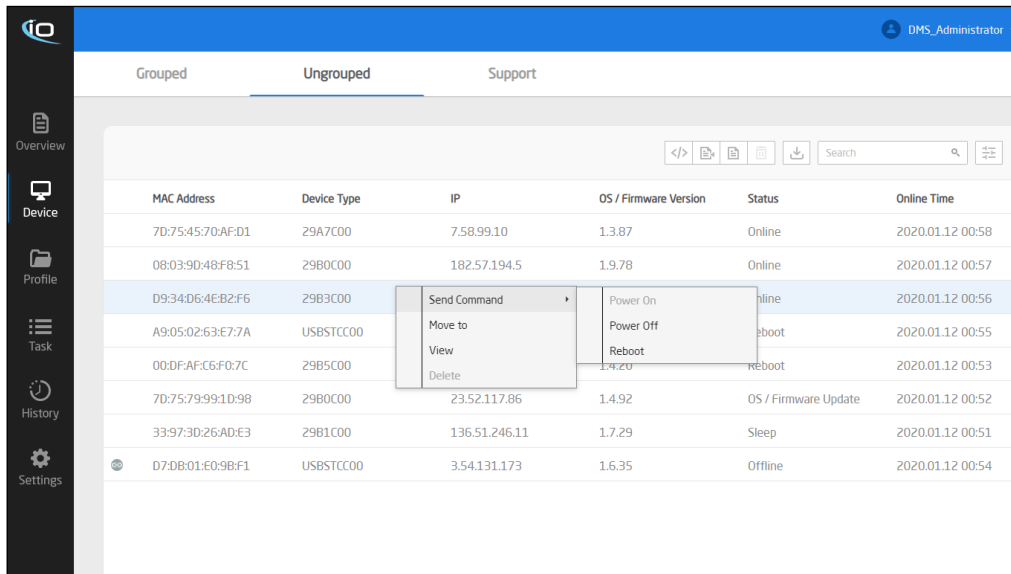



Figure 35 Send commands to a device

Choose an ungrouped device from the list and click the send commands icon  in the toolbar to send commands to a selected device. You can also right-click a device from the list to show the **Send Command** option.

The supported commands include power on/off and reboot.

When devices are in some status, a command may not be active. Please refer to table 4 for more device type and active command details.

(3) Move Devices to a Group

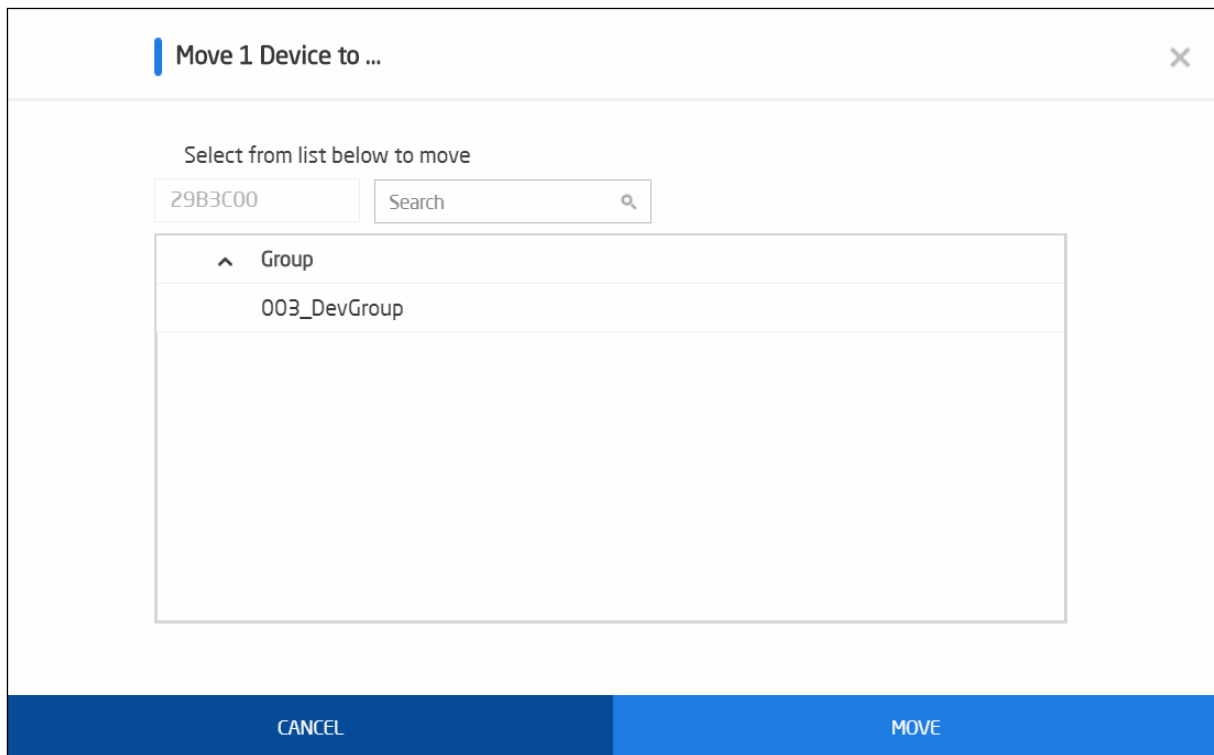




Figure 36 Move devices to a group

Choose one or many devices in the list and click the move device icon  in the toolbar to move selected devices to a specific group. When you choose multiple devices, please make sure they are belonged to the same device type. You can also right-click a device from the list to show the **Move to** option.

Only groups available for a specific device type will be displayed in the group list. When the selected devices are in offline state, they will be applied with the new group setting after turning on.

In search field , you can search any data that meets your search criteria.

Click **MOVE** to move the devices to a specific group.

Click **CANCEL** or icon  to restore your previous settings and leave the page.

(4) Delete Device

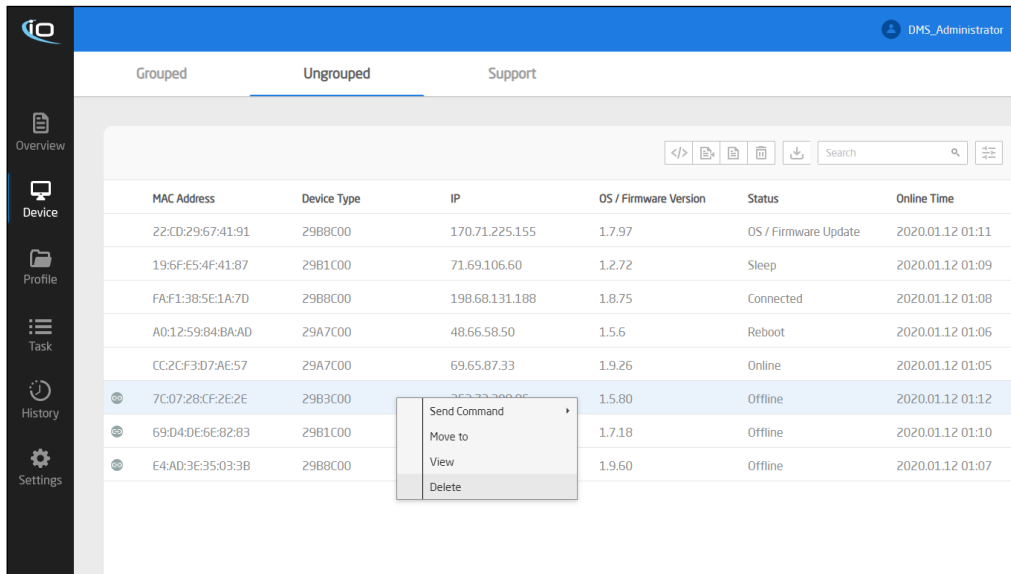



Figure 37 Delete Device

Choose one or many devices from the list and click the delete icon  in the toolbar to delete the selected devices. **Note** that you can only delete devices which are in offline state. When a deleted device is registered to DMS once again in the future, it will be shown in ungrouped list.

You can also right-click a device from the list to show the **Delete** option.

(5) Import Device

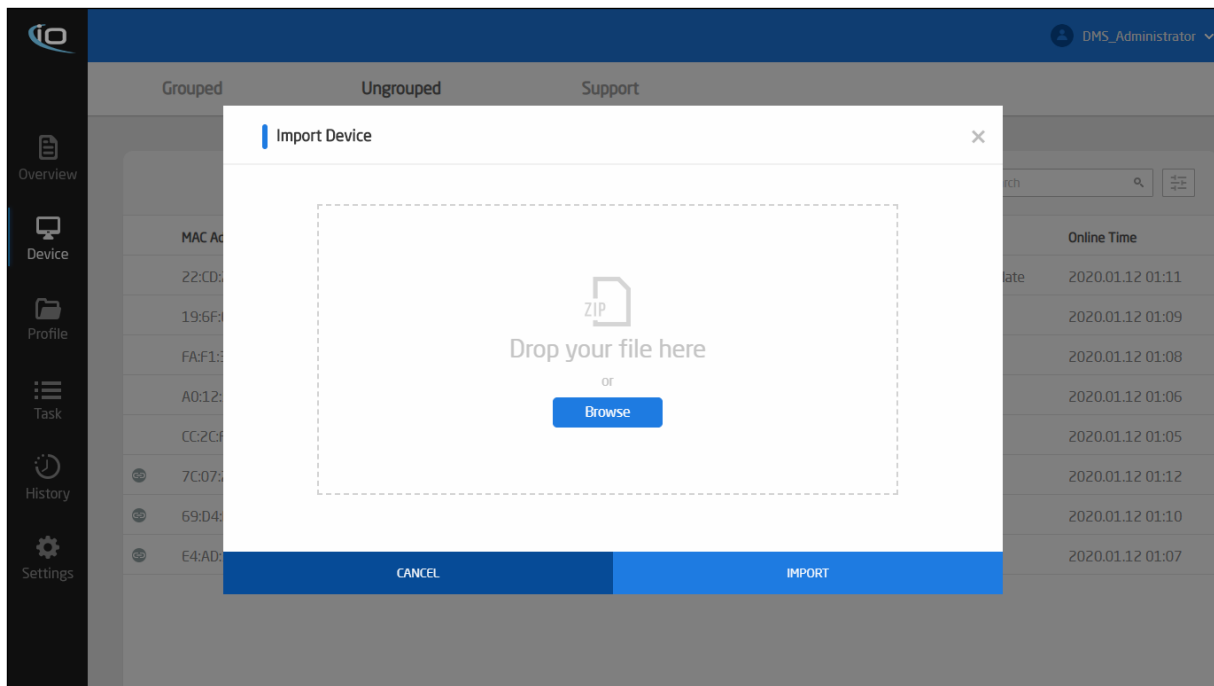



Figure 38 Import device to ungrouped

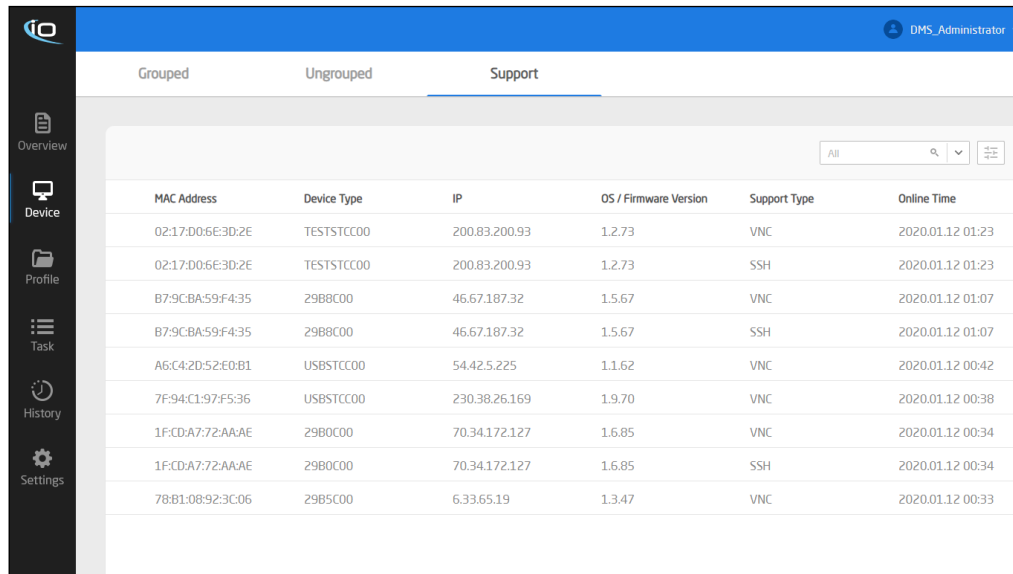
In Ungrouped main window, click the import icon  in the toolbar to import device data. You can drag the file here or click **Browse** and choose the file (*.zip) you want to import. You can only import one file at a time.

Click **IMPORT** to import device data and then leave the window. If there is any error happening during importing process, it shows error message. You can download and view the error report.

Click **CANCEL** to leave the import window without changes.

3.5.3 Support

Administrators can view online and VNC/SSH-supported devices, use VNC session to control and manage the remote desktop or use SSH to conduct remote connection, and furthermore clarify preliminary issues and fix problems for the connected devices.






MAC Address	Device Type	IP	OS / Firmware Version	Support Type	Online Time
02:17:00:6E:3D:2E	TESTSTCC00	200.83.200.93	1.2.73	VNC	2020.01.12 01:23
02:17:00:6E:3D:2E	TESTSTCC00	200.83.200.93	1.2.73	SSH	2020.01.12 01:23
B7:9C:BA:59:F4:35	Z9B8C00	46.67.187.32	1.5.67	VNC	2020.01.12 01:07
B7:9C:BA:59:F4:35	Z9B8C00	46.67.187.32	1.5.67	SSH	2020.01.12 01:07
A6:C4:2D:52:E0:B1	USBSTCC00	54.42.5.225	1.1.62	VNC	2020.01.12 00:42
7F:94:C1:97:F5:36	USBSTCC00	230.38.26.169	1.9.70	VNC	2020.01.12 00:38
1F:CD:A7:72:AA:AE	Z9B0C00	70.34.172.127	1.6.85	VNC	2020.01.12 00:34
1F:CD:A7:72:AA:AE	Z9B0C00	70.34.172.127	1.6.85	SSH	2020.01.12 00:34
78:B1:08:92:3C:06	Z9B5C00	6.33.65.19	1.3.47	VNC	2020.01.12 00:33

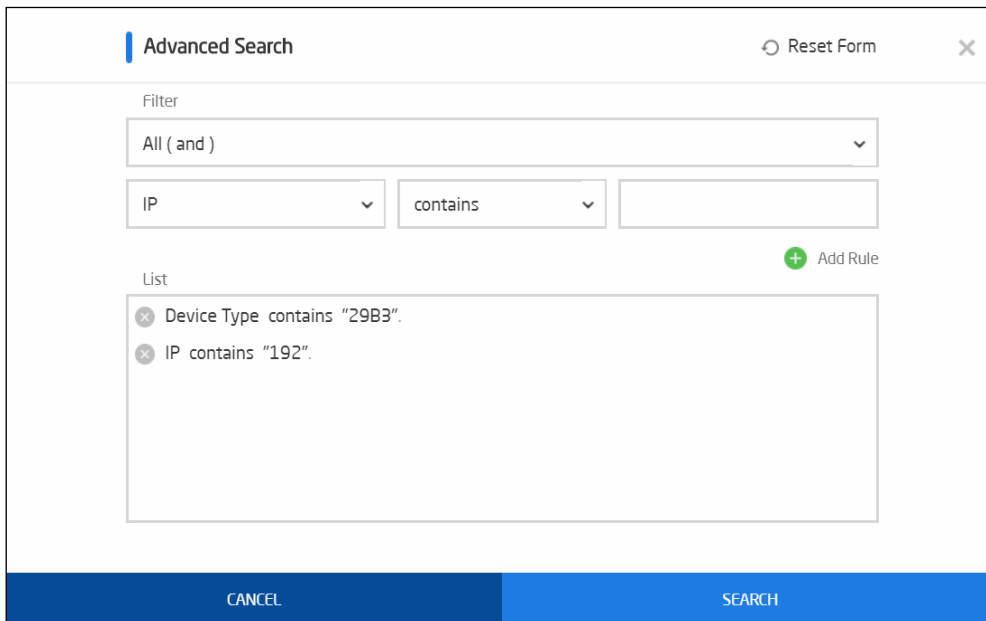
Figure 39 Support Screen

Click sub-page **Support** in Device page. The list shows all online and VNC/SSH-supported device information, including each device's MAC address, device type, IP address, OS / firmware version, support type, and the last online time.

In search field , you can search any data that meets your search criteria.

Click the advanced search icon  to show advanced search screen. You can define search criteria to find particular data in support screen. After choosing the criteria you want to use and entering your search words, click the add rule icon  **Add Rule** to add rule in search list. You can add one or

several search criteria. After completing the setting, click **SEARCH** to start data searching; or click **CANCEL** or icon  to close search screen.



Click each column header to sort the data in order of letter or number.

▲ **MAC Address**

11:37:58:B0:61:EA

14:49:C6:F7:94:F9

3D:DB:7E:6C:66:9D

7F:35:E9:A2:5F:4C

Sort data in ascending order

▼ **MAC Address**

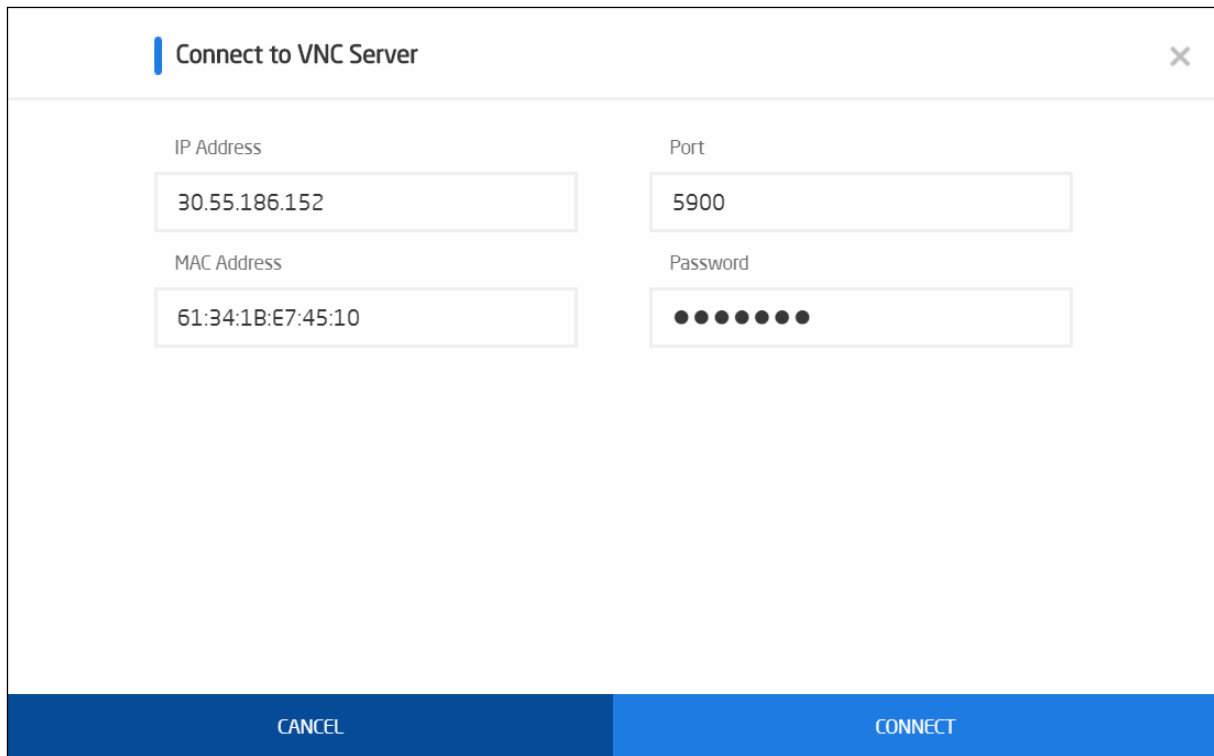
EE:65:D2:D7:EE:96

CF:F9:B9:87:29:63

C4:A4:6B:26:A1:A5

B4:F1:14:E9:C0:1C

Sort data in descending order



Connect to VNC Server
✕

IP Address

Port

MAC Address

Password

CANCEL
CONNECT

Figure 40 VNC Server connection information

Choose a device in the VNC-supported device list to show VNC Server connection information, including connecting IP address, port, MAC address, and password. This screen is read only.

Click **CONNECT** to start VNC connection.

Click **CANCEL** or icon ✕ to leave the VNC connection page.

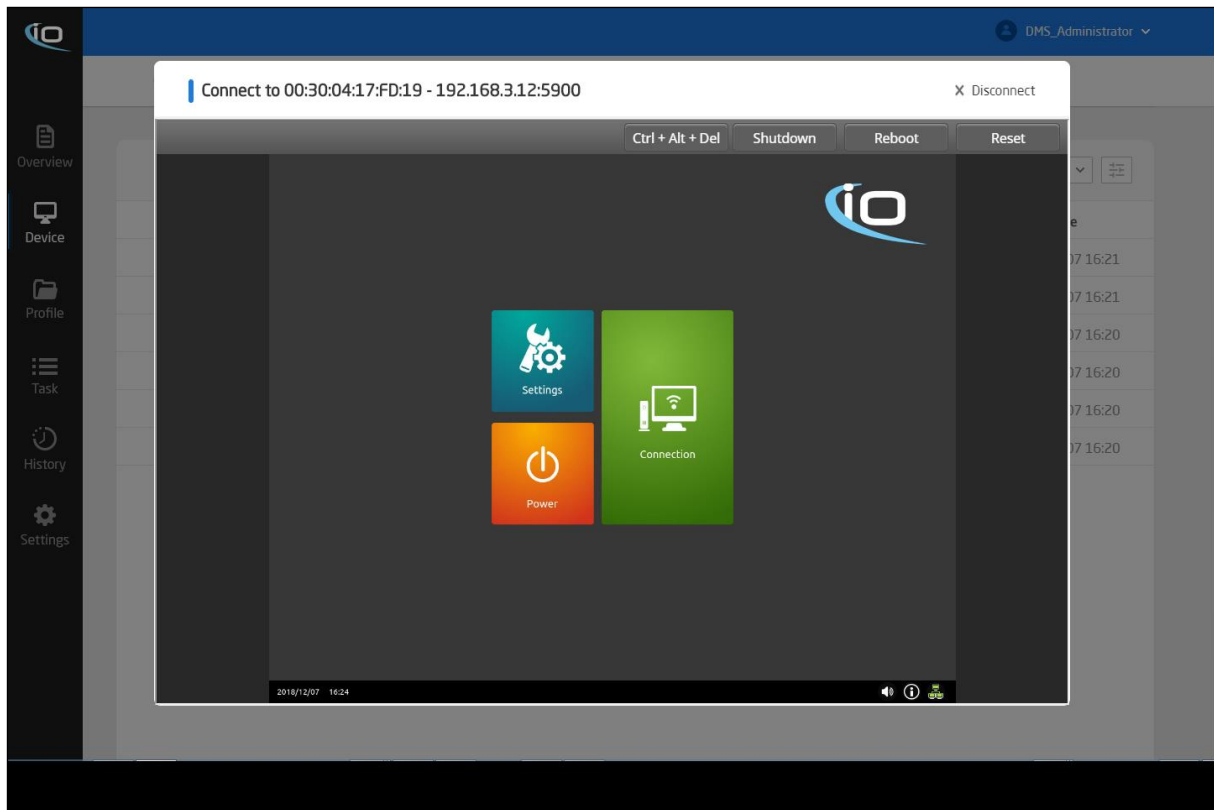


Figure 41 VNC connection succeeded

After successfully connecting to VNC, it will show remote desktop. In the upper left corner of the window, it shows connecting MAC address, IP address, and port information. The button functionality on the toolbar needs to be supported by the device.

Click **Ctrl+Alt+Del** button to run Ctrl+Alt+Del command on remote desktop.

Click **Shutdown** button to run power off command on remote desktop and turn off the remote device.

Click **Reboot** button to run reboot command on remote desktop and reboot the remote device.

Click **Reset** button to run reset command on remote desktop and reset the remote device.

Click **Disconnect** button to disconnect VNC connection and close the window.

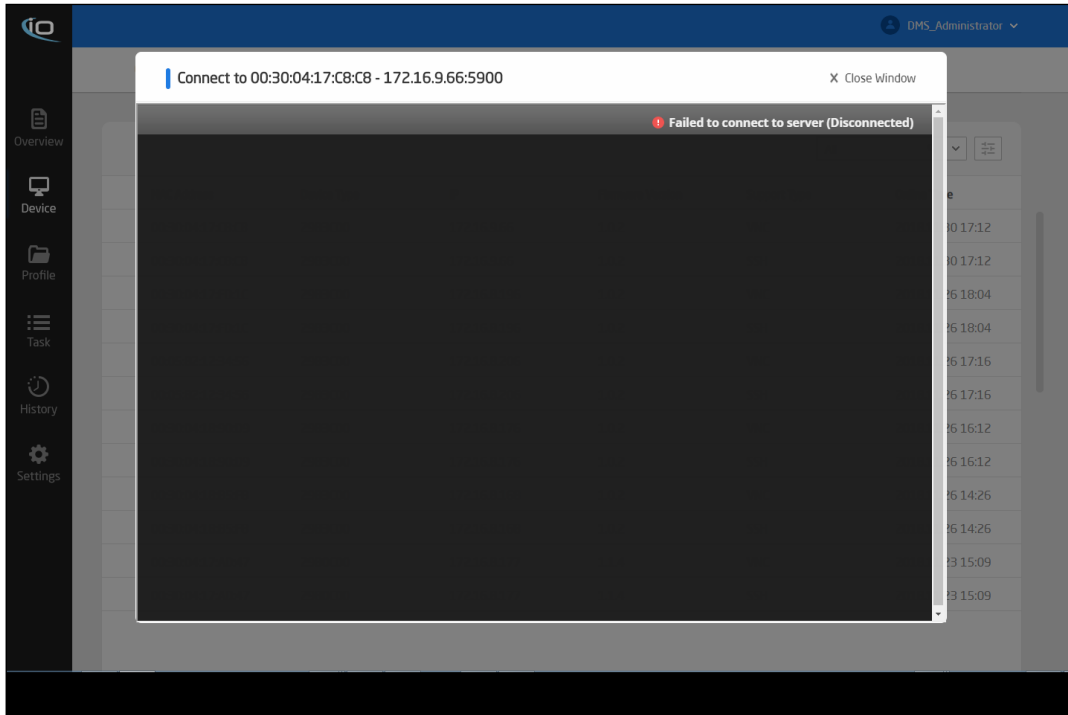
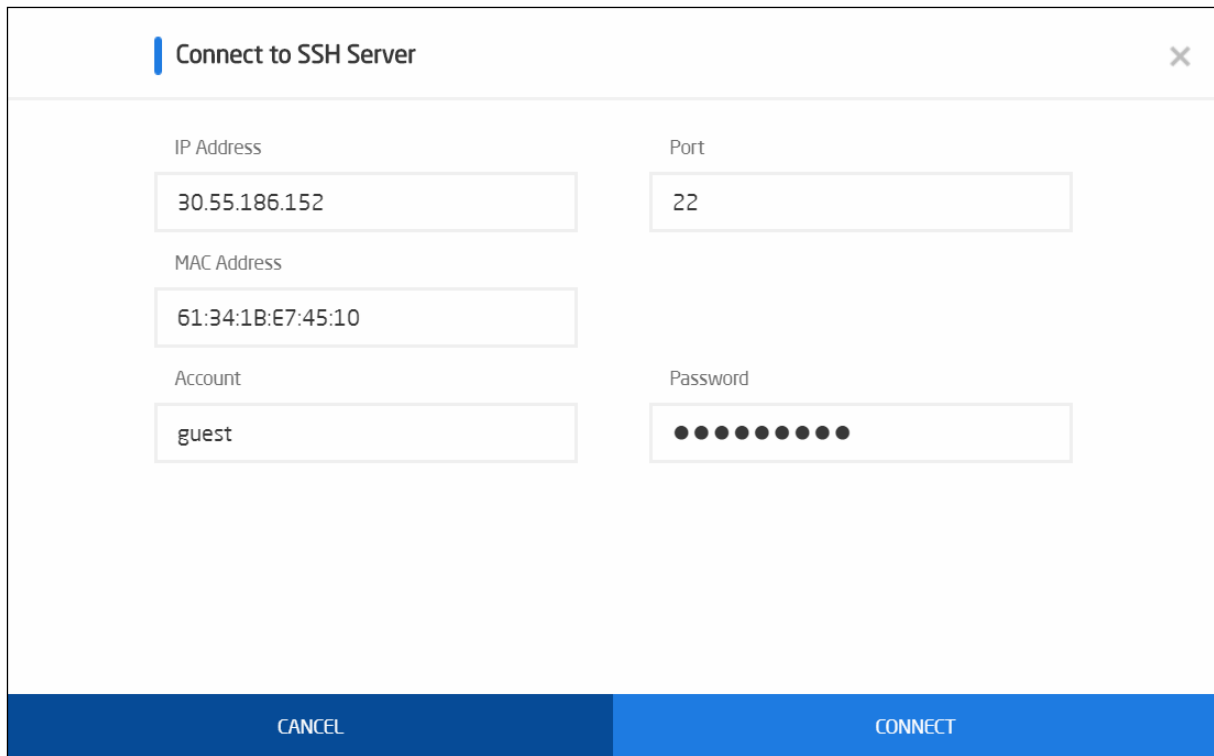


Figure 42 VNC connection failed

If VNC connection fails, it will show connection failure message and reason in the upper right corner of the window, e.g. **Failed to connect to server (Disconnected)**.

Click **Close Window** button to close VNC connection window.



Connect to SSH Server

IP Address: 30.55.186.152

Port: 22

MAC Address: 61:34:1B:E7:45:10

Account: guest


Password: ●●●●●●●●

CANCEL CONNECT

Figure 43 SSH Connection Information

Choose a device in the SSH-supported device list to show SSH Server connection information, including connecting IP address, port, MAC address, and password. This screen is read only.

Click **CONNECT** to start SSH connection.

Click **CANCEL** or icon  to leave the SSH connection page.

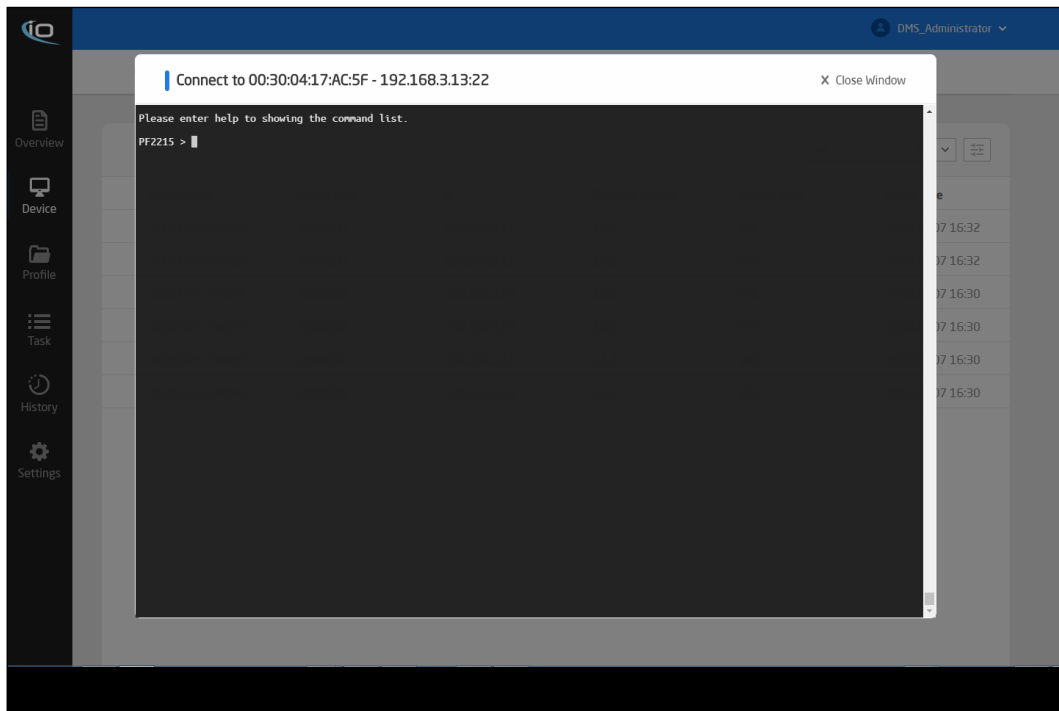


Figure 44 SSH connection succeeded

After successfully connecting to SSH, it will show the message of successfully accessing the remote device. In the upper left corner of the window, it shows connecting MAC address, IP address, and port information.

You are able to enter and perform any command in the window.

Click **Close Window** button to disconnect SSH connection and close the window.

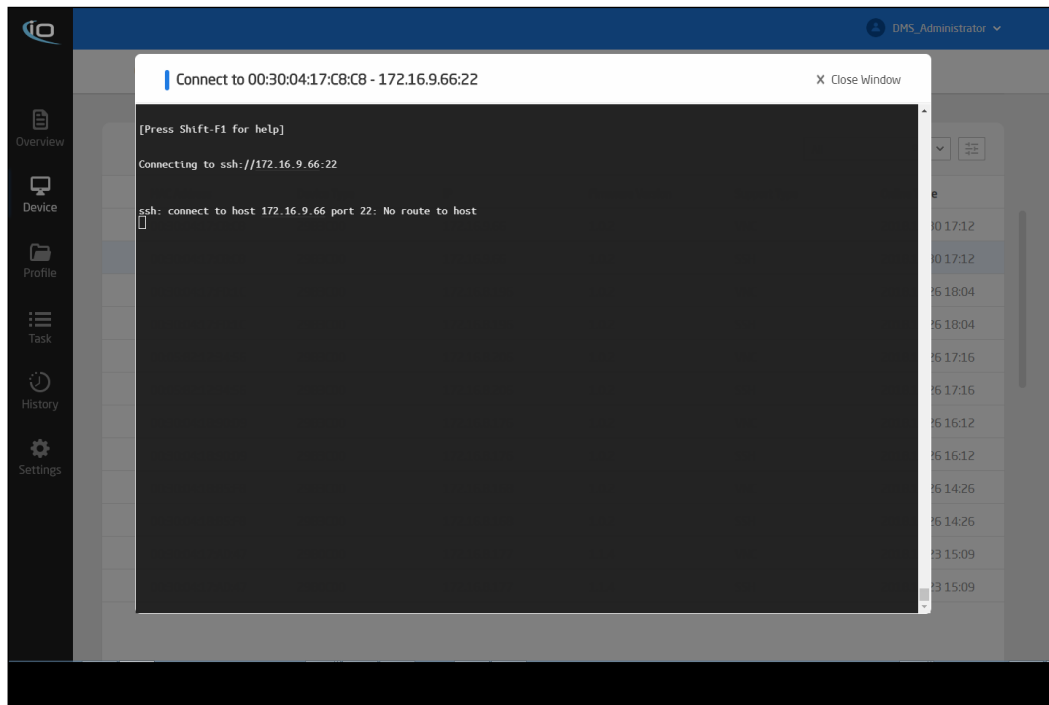


Figure 45 SSH connection failed

If SSH connection fails, it will show connection failure message and reason in the connection window, e.g. **No route to host**.

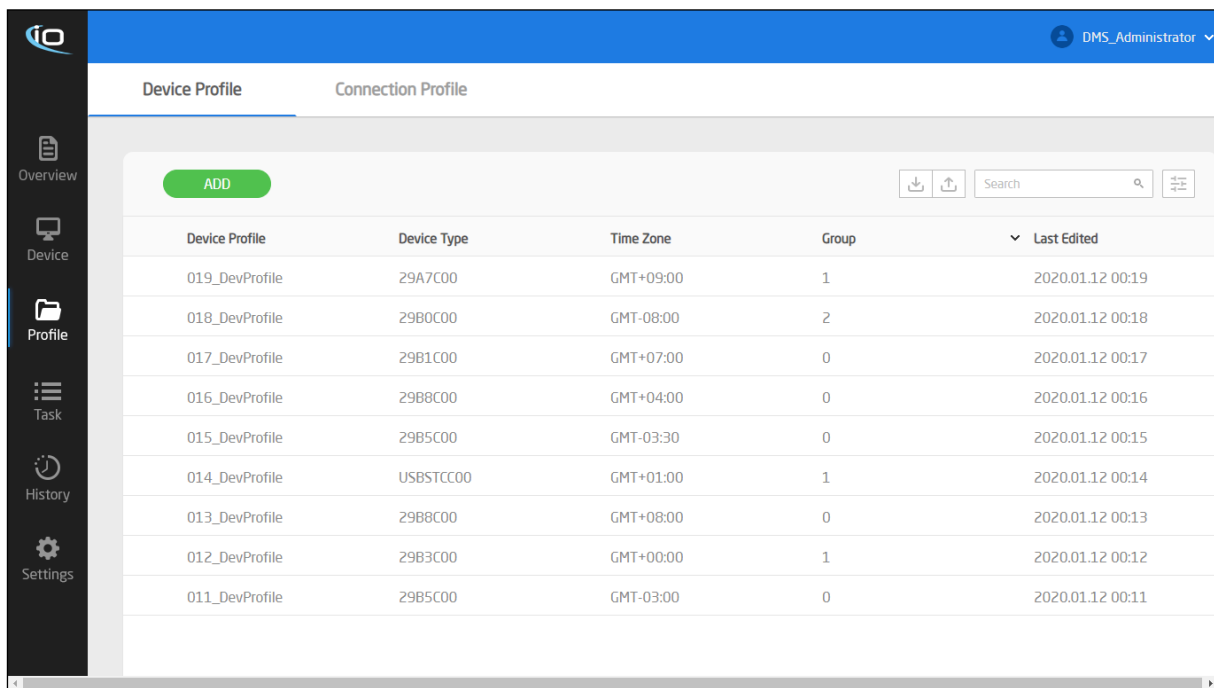
Click **Close Window** button to close SSH connection window.

3.6 Profile

The Profile page provides device and connection configuration information. It lets you manage and configure grouped devices and connection settings.

Advanced device settings can be reconfigured on each client device individually. Modified settings may be different from configuration profile in the specific group. The settings on the client device will be synchronized with the profile, after next device reboot or receiving updated profile from DMS.

3.6.1 Device Profile






Device Profile	Device Type	Time Zone	Group	Last Edited
019_DevProfile	29A7C00	GMT+09:00	1	2020.01.12 00:19
018_DevProfile	29B0C00	GMT-08:00	2	2020.01.12 00:18
017_DevProfile	29B1C00	GMT+07:00	0	2020.01.12 00:17
016_DevProfile	29B8C00	GMT+04:00	0	2020.01.12 00:16
015_DevProfile	29B5C00	GMT-03:30	0	2020.01.12 00:15
014_DevProfile	USBSTCC00	GMT+01:00	1	2020.01.12 00:14
013_DevProfile	29B8C00	GMT+08:00	0	2020.01.12 00:13
012_DevProfile	29B3C00	GMT+00:00	1	2020.01.12 00:12
011_DevProfile	29B5C00	GMT-03:00	0	2020.01.12 00:11

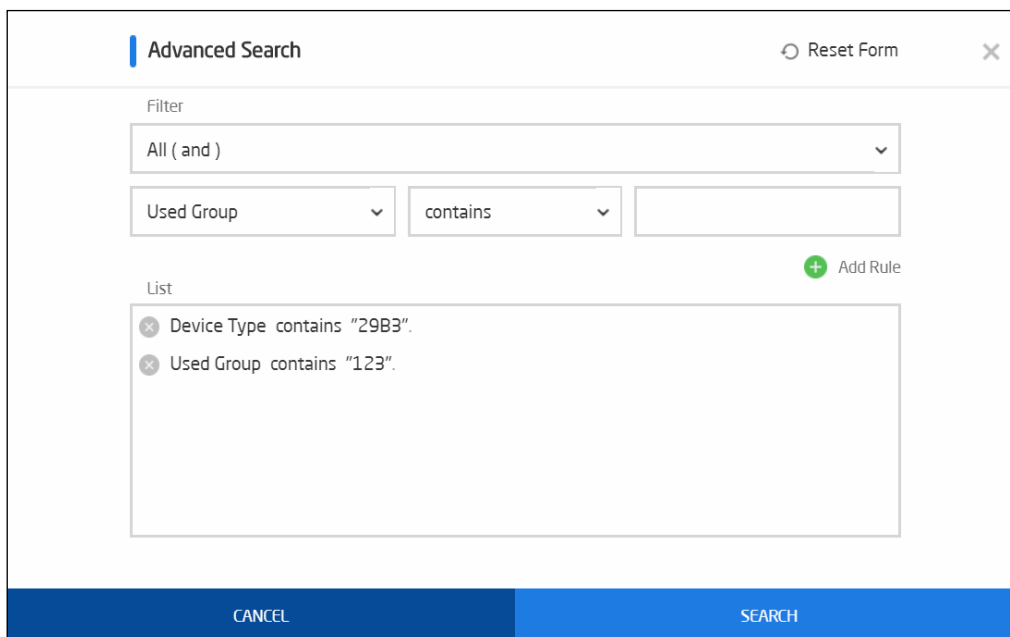
Figure 46 Device Profile


Click **Profile** in the left side of the screen. You will see information of the created device profiles, including device profile name, device type, time zone, group number, and the last edited time.


You can view, add, edit, or delete a device profile item.

In search field , you can search any data that meets your search criteria.

Click the advanced search icon  to show advanced search screen. You can define search criteria to find particular data in device profile screen. After choosing the criteria you want to use and entering your search words, click the add rule icon  **Add Rule** to add rule in search list. You can add one or several search criteria. After completing the setting, click **SEARCH** to start data searching; or click **CANCEL** or icon  to close search screen.



Click the import icon  in the toolbar to import the device profile.

Click the export icon  in the toolbar to export device profile. If you didn't choose any device from the list, it exports all device profiles. If a specific device profile is selected, it exports the selected data.

Click each column header to sort the data in order of letter or number.

^ Device Profile
 001_DevProfile

 002_DevProfile

 003_DevProfile

 004_DevProfile

Sort data in ascending order




v Device Profile
018_DevProfile




 017_DevProfile

 016_DevProfile

 015_DevProfile

Sort data in descending order

Choose a device profile from the list and click a toolbar icon at the top of the window    to edit, view, or delete a device profile.

- Click the edit icon  in the toolbar to edit device profile configuration.
- Click the view icon  in the toolbar to view device profile information.
- Click the delete icon  in the toolbar to delete a device profile.

Right-click a device profile from the list and it will show a shortcut list of editing, viewing, and deleting device profile, which is the same as the icons in the toolbar.

You can choose one or more device profiles at the same time. The active functions (i.e. isn't grayed out) in the toolbar or the shortcut list are different in accordance with different choices and applied group states.

(1) Add Device Profile

Before adding a device profile, ensure Device Type data has been created and configured in DMS.

When a client device is registered to DMS server, it will upload device type it belongs to. You don't need to manually add the device type. If there isn't any device being registered in DMS, a message **No Device exist.** appears when adding a device profile.

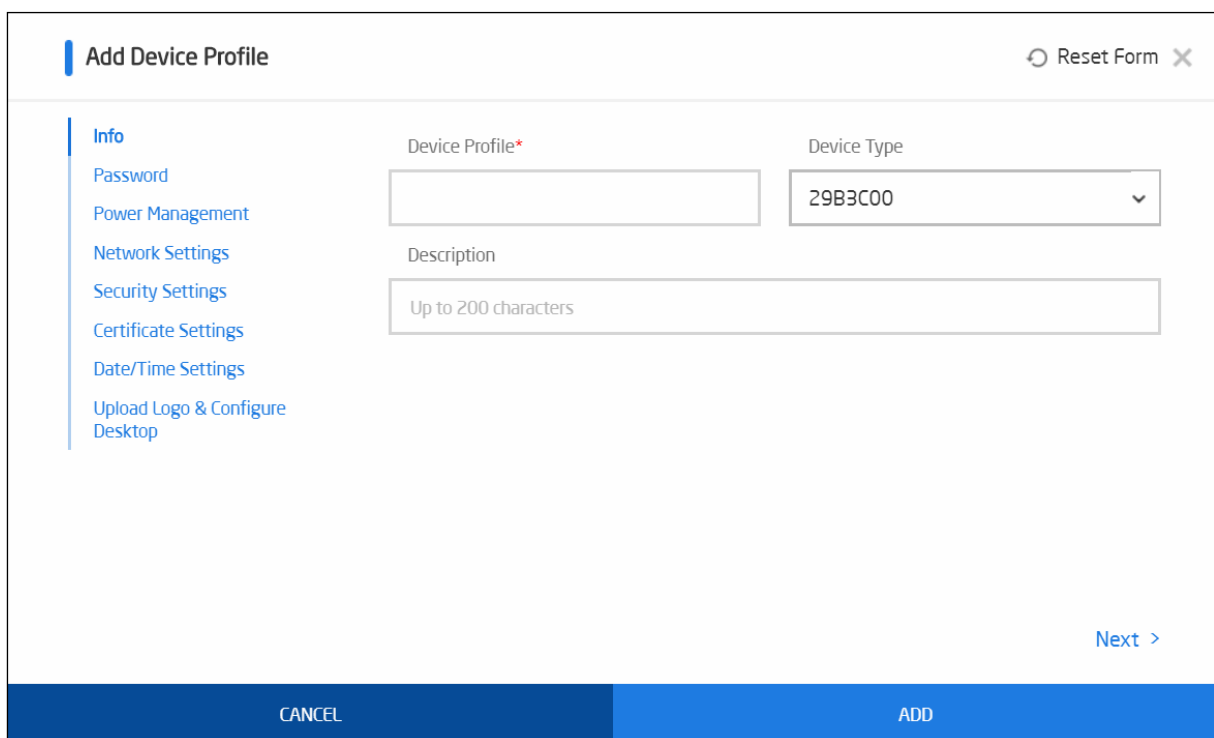





Figure 47 Add Device Profile - Info

Click the ADD icon  in Device Profile page to create a new device profile. In the configuration window, enter the device profile name, choose device type, and configure the rest of settings.

The window will show different configuration content according to the selected **Device Type**. Here uses device type “29B3C00” as the example.

Click **Info** or any tab on the left to switch the setting page at any time during the configuration process.

Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured. If a device type has been established and existed in DMS, it will be displayed in the field in sequence.

- **Device Profile:** You must configure the device profile name. The length of the name field is 20 characters. Space is not allowed in device profile name.
- **Device Type:** Select a device type from the drop-down list. This field must be configured. The drop-down list is generated when devices are registered with the DMS server.
- **Description:** Lets you enter the device profile description. The length of the description is 200 characters. This field is optional.
- Click **Next >** or the **Password** tab on the left to move to the next setting page.
- Click **ADD** to add the new device profile and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon  **Reset Form** to reset the page content back to the default state and the first setting page.
- Click **CANCEL** or icon  to restore your previous settings and leave the page.

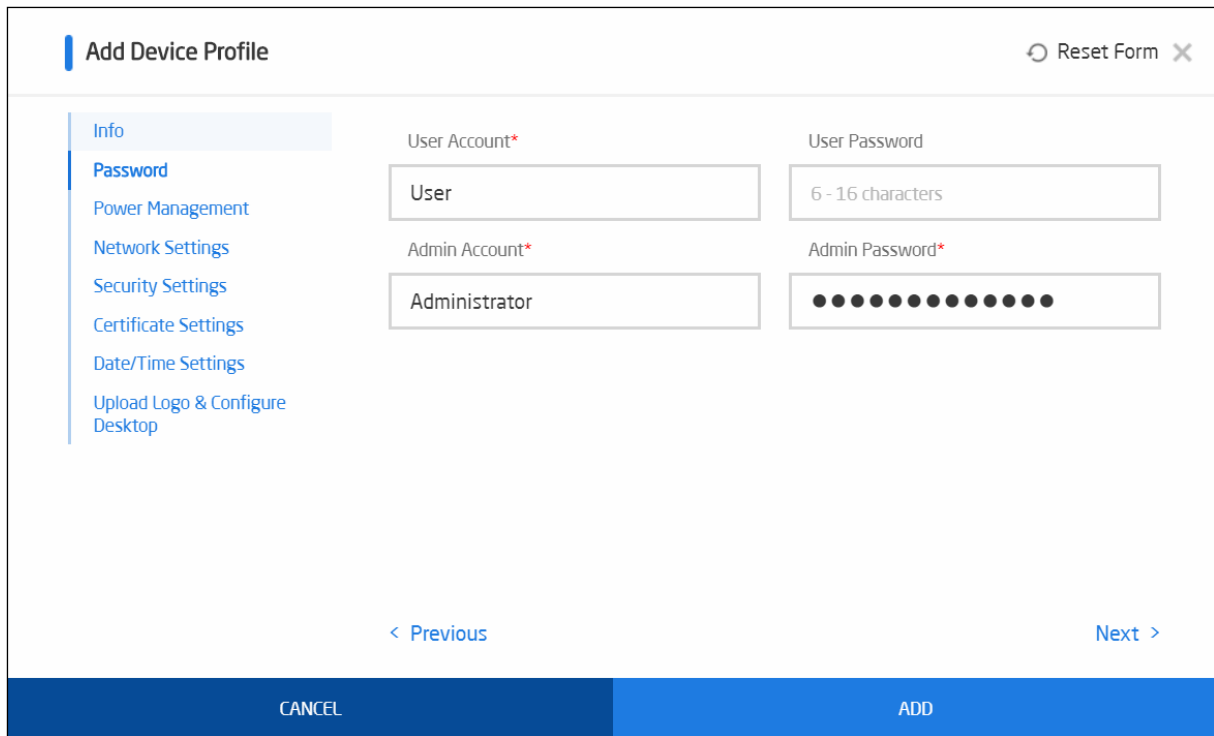




Figure 48 Add Device Profile - Password

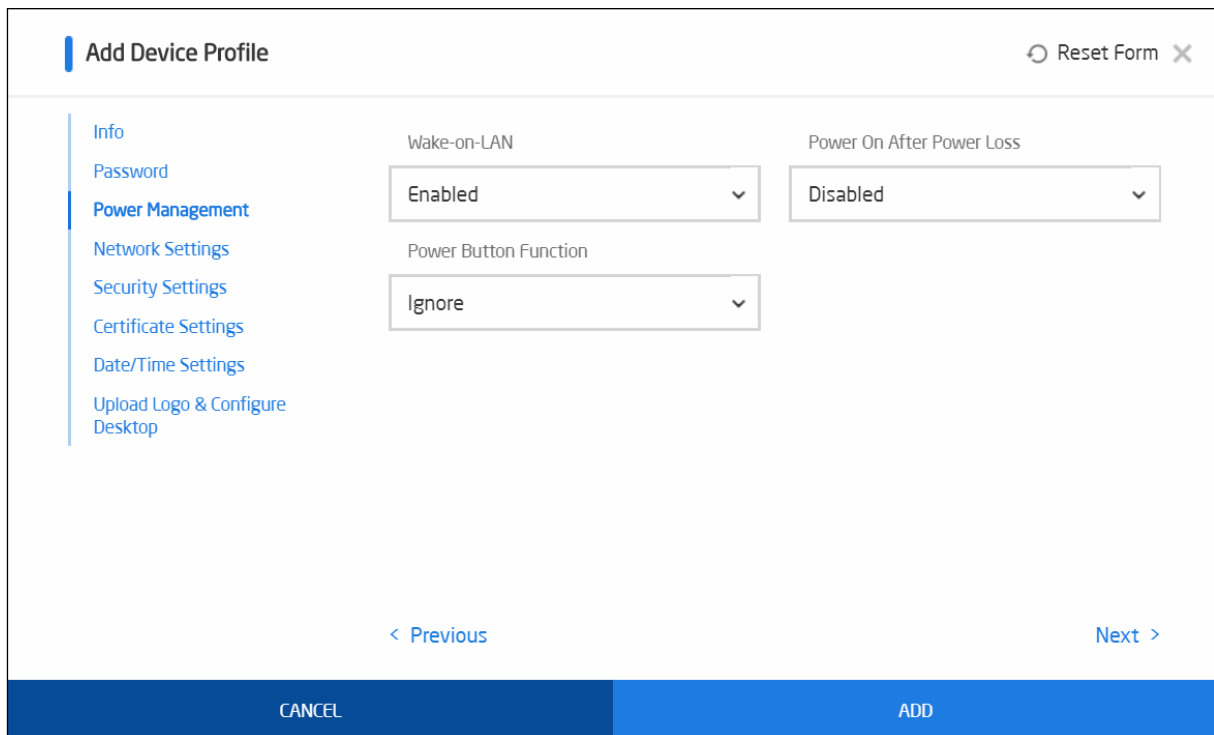
The Password setting window shows user and administrator account/password configuration content. Click **Password** or any tab on the left to switch the setting page at any time during the configuration process.

Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

- **User Account:** When the device is powered on, it will automatically log in with this account. This field must be filled in. Space is not allowed in account field.
- **User Password:** Configure the user log-in password if it is required.
- **Admin Account:** Configure the administrator account to authorize access to advanced settings. This field must be filled in. Space is not allowed in account field.
- **Admin Password:** The device's advanced configuration is protected by a password. You have to configure the password to get access to

advanced configuration. This field must be filled in. Space is not allowed in password field.

- Click **Next >** or the **Power Management** tab on the left to move to the next setting page.
- Click **< Previous** or the **Info** tab on the left to move back to the previous setting page.
- Click **ADD** to add the new device profile and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon  **Reset Form** to reset the page content back to the default state and the first setting page.
- Click **CANCEL** or icon  to restore your previous settings and leave the page.





The screenshot shows the 'Add Device Profile' window with the 'Power Management' tab selected. The window title is 'Add Device Profile' and it includes a 'Reset Form' button with a refresh icon and an 'X' icon. On the left, there is a sidebar with navigation links: Info, Password, Power Management (highlighted), Network Settings, Security Settings, Certificate Settings, Date/Time Settings, and Upload Logo & Configure Desktop. The main content area contains three settings: 'Wake-on-LAN' set to 'Enabled', 'Power On After Power Loss' set to 'Disabled', and 'Power Button Function' set to 'Ignore'. At the bottom, there are navigation buttons: '< Previous' and 'Next >', and a footer bar with 'CANCEL' and 'ADD' buttons.

Figure 49 Add Device Profile – Power Management

The Power Management setting window shows wake-on-LAN, power on after power loss, and power button function configuration content. Click **Power**

Management or any tab on the left to switch the setting page at any time during the configuration process.

Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

- **Wake-on-LAN:** Select Disable or Enable from the drop-down list. This field must be configured.
- **Power On After Power Loss:** Select Disable or Enable from the drop-down list. When enabled, the device automatically powers back on when power is supplied. This field must be configured.
- **Power Button Function:** Select Ignore, Sleep, Power-Off, or Session Disconnecting from the drop-down list. When set to Ignore, no action is taken; when set to Sleep, the device enters sleep mode; when set to Power-Off, the device is turned off regardless of whether the device is in a VDI session; when set to Session Disconnecting, if the device is in a VDI session, pressing power button would disconnect the session. This field must be configured.
- Click **Next >** or the **Network Settings** tab on the left to move to the next setting page.
- Click **< Previous** or the **Password** tab on the left to move back to the previous setting page.
- Click **ADD** to add the new device profile and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon  **Reset Form** to reset the page content back to the default state and the first setting page.
- Click **CANCEL** or icon  to restore your previous settings and leave the page.

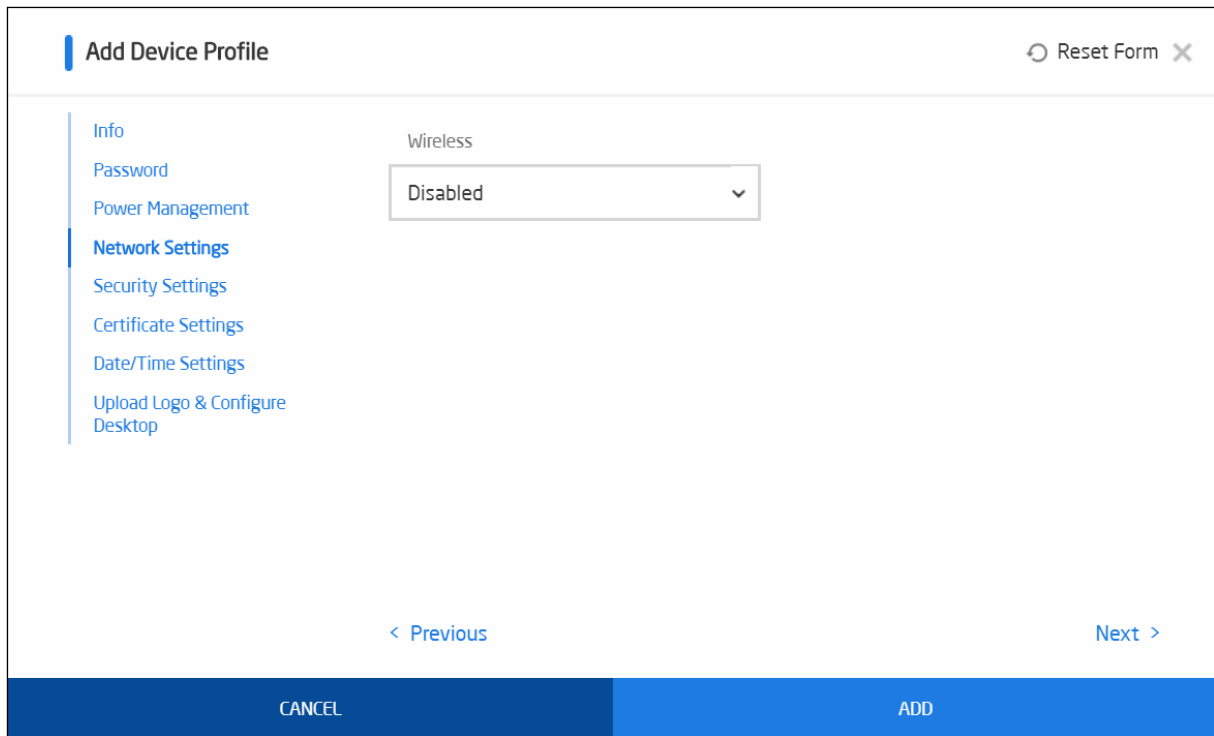




Figure 50 Add Device Profile – Network Settings

The Network Settings window shows wireless network configuration content.

Click **Network Settings** or any tab on the left to switch the setting page at any time during the configuration process.

Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

- Wireless: Select Disable or Enable from the drop-down list. This field must be configured.
- Click **Next >** or the **Security Settings** tab on the left to move to the next setting page.
- Click **< Previous** or the **Power Management** tab on the left to move back to the previous setting page.
- Click **ADD** to add the new device profile and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.

- Click the **Reset Form** icon  **Reset Form** to reset the page content back to the default state and the first setting page.
- Click **CANCEL** or icon  to restore your previous settings and leave the page.

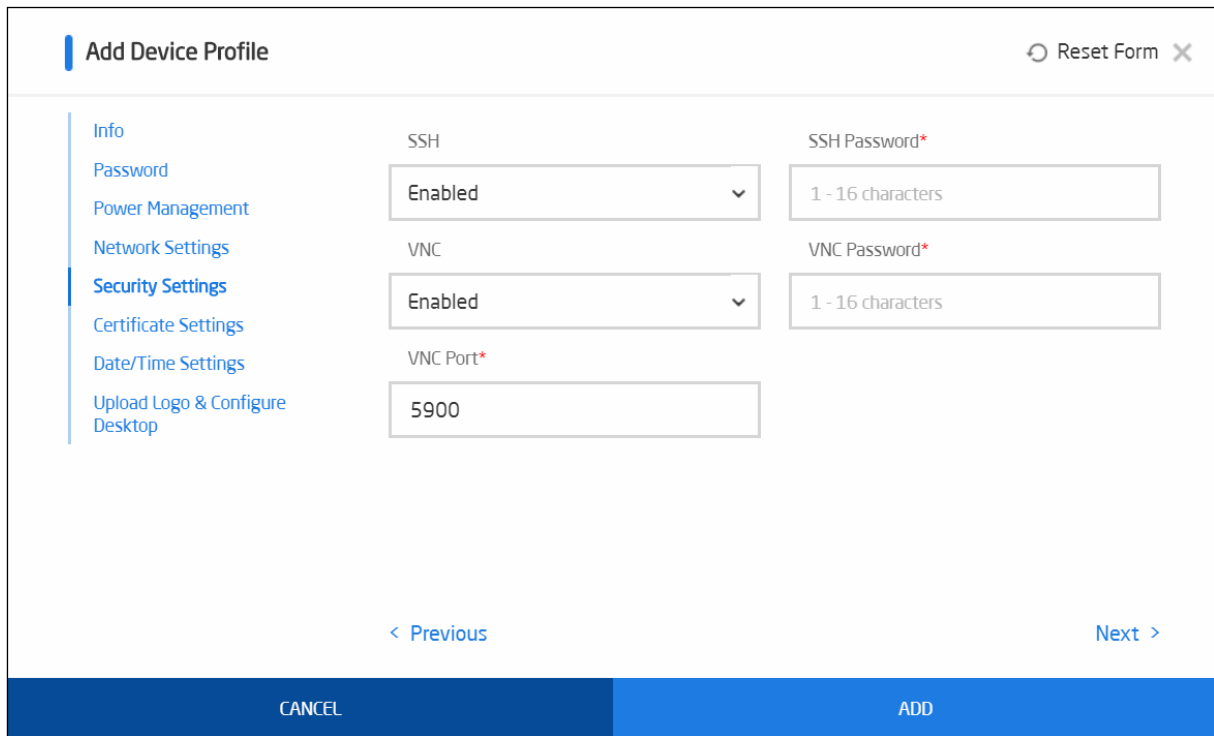




Figure 51 Add Device Profile – Security Settings

The Security Settings window shows SSH and VNC configuration content. Click **Security Settings** or any tab on the left to switch the setting page at any time during the configuration process.

Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

- **SSH:** Select Disable or Enable from the drop-down list. This field must be configured.
- **SSH Password:** Enter SSH password when SSH is enabled. This field must be filled in. Space is not allowed in password field.

- VNC: Select Disable or Enable from the drop-down list. This field must be configured.
- VNC Password: Enter VNC password when VNC is enabled. This field must be filled in. Space is not allowed in password field.
- VNC Port: Enter VNC port when VNC is enabled. This field must be filled in. Space is not allowed in this field.
- Click **Next >** or the **Certificate Settings** tab on the left to move to the next setting page.
- Click **< Previous** or the **Network Settings** tab on the left to move back to the previous setting page.
- Click **ADD** to add the new device profile and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon  **Reset Form** to reset the page content back to the default state and the first setting page.
- Click **CANCEL** or icon  to restore your previous settings and leave the page.

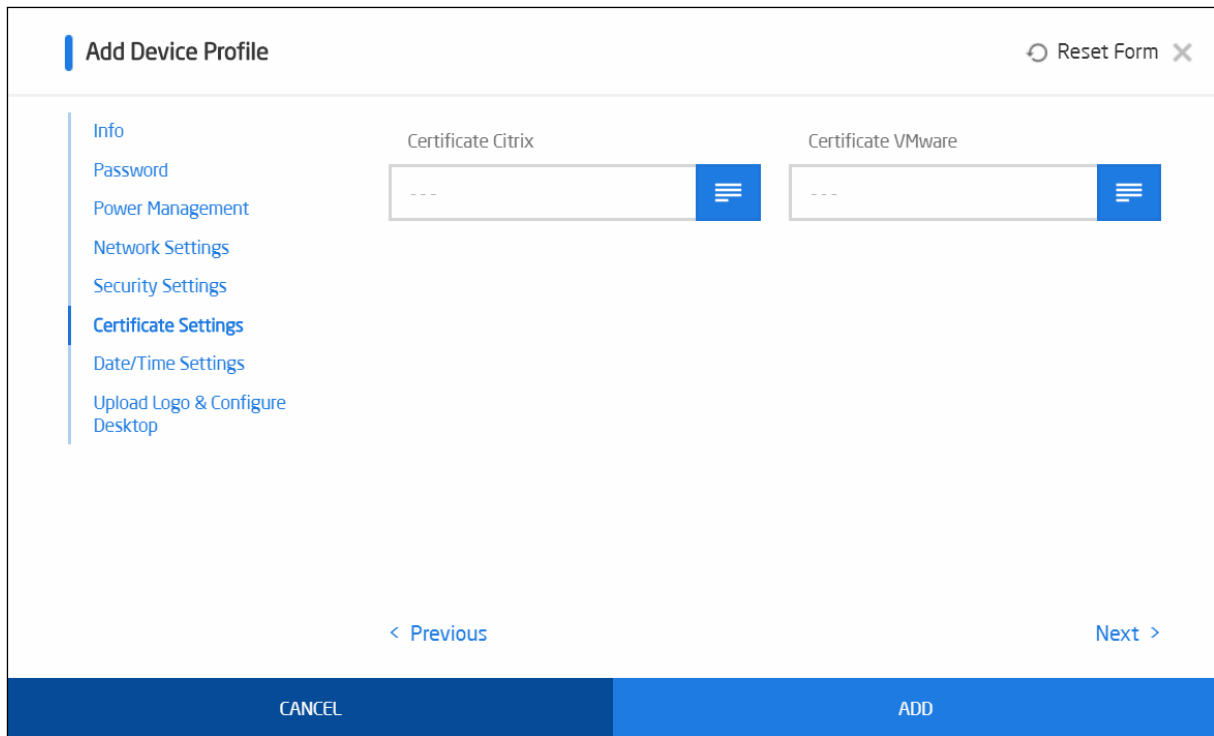

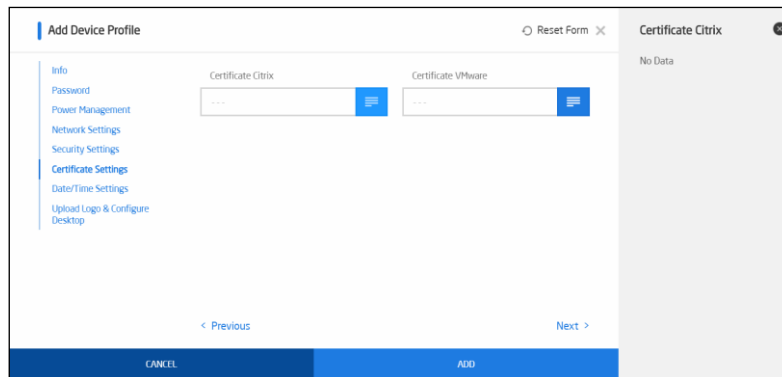



Figure 52 Add Device Profile – Certificate Settings

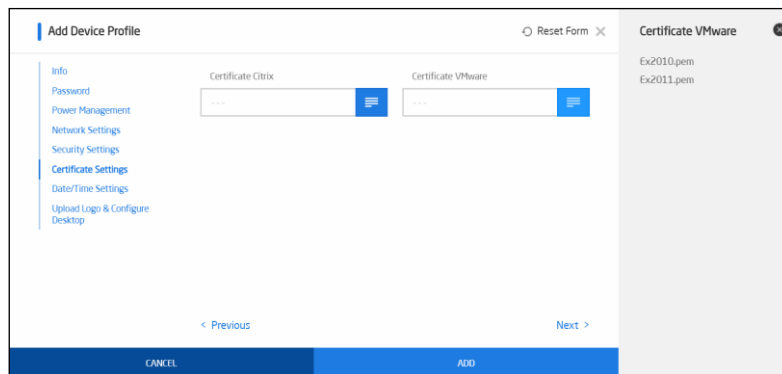
The Certificate Settings window shows Citrix and VMware connection certificate configuration content. The certificate file must have been uploaded and stored in the software. The certificate details can be managed and viewed in Settings - > File -> Certificate page. Click **Certificate Settings** or any tab on the left to switch the setting page at any time during the configuration process.




Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.


- Certificate Citrix: Select Citrix certificate file by clicking the Expand icon  to expand and show the file list that you can choose from. Only one can be selected at a time.



- **Certificate VMware:** Select VMware certificate file by clicking the Expand icon  to expand and show the file list that you can choose from. Only one can be selected at a time.



- If a profile is applied to a group, a message **This item is used by group.** is displayed. Click the Expand icon  to expand and show applied group list. Click the Leave icon  to collapse the expanded group list.
- Click **Next >** or the **Date/Time Settings** tab on the left to move to the next setting page.
- Click **< Previous** or the **Security Settings** tab on the left to move back to the previous setting page.
- Click **ADD** to add the new device profile and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon  **Reset Form** to reset the page content back to the default state and the first setting page.

- Click **CANCEL** or icon  to restore your previous settings and leave the page.

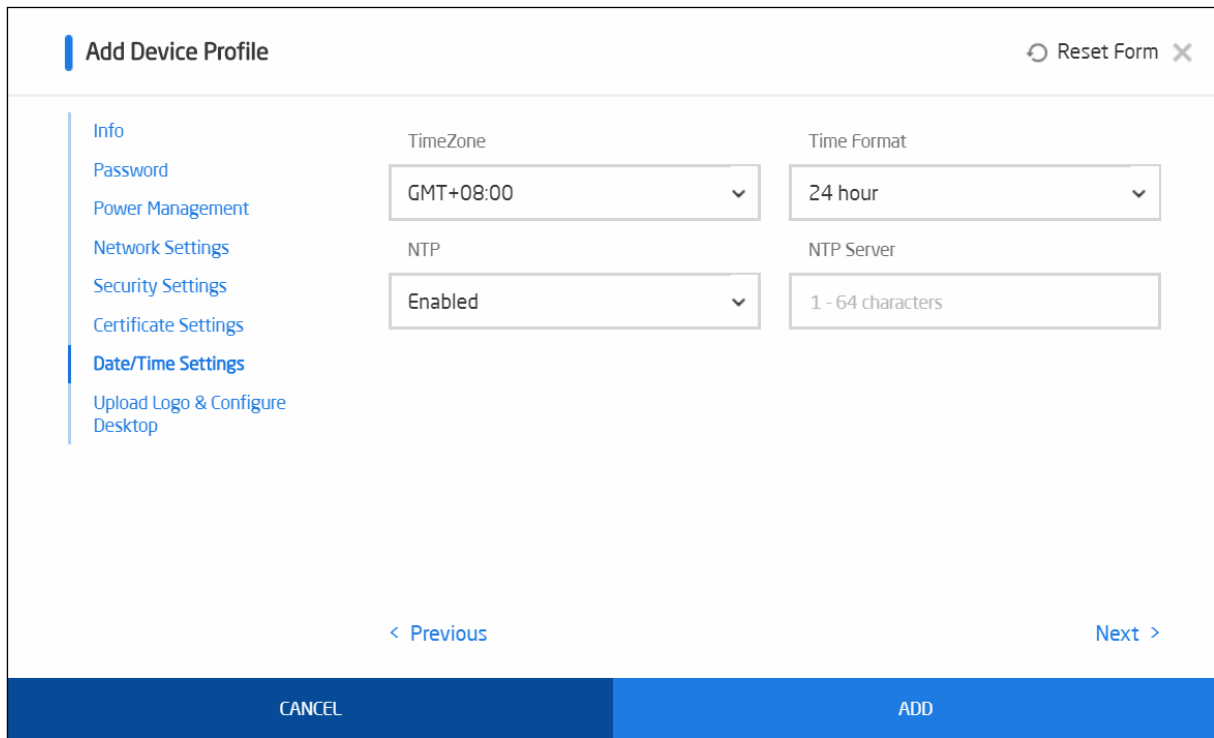




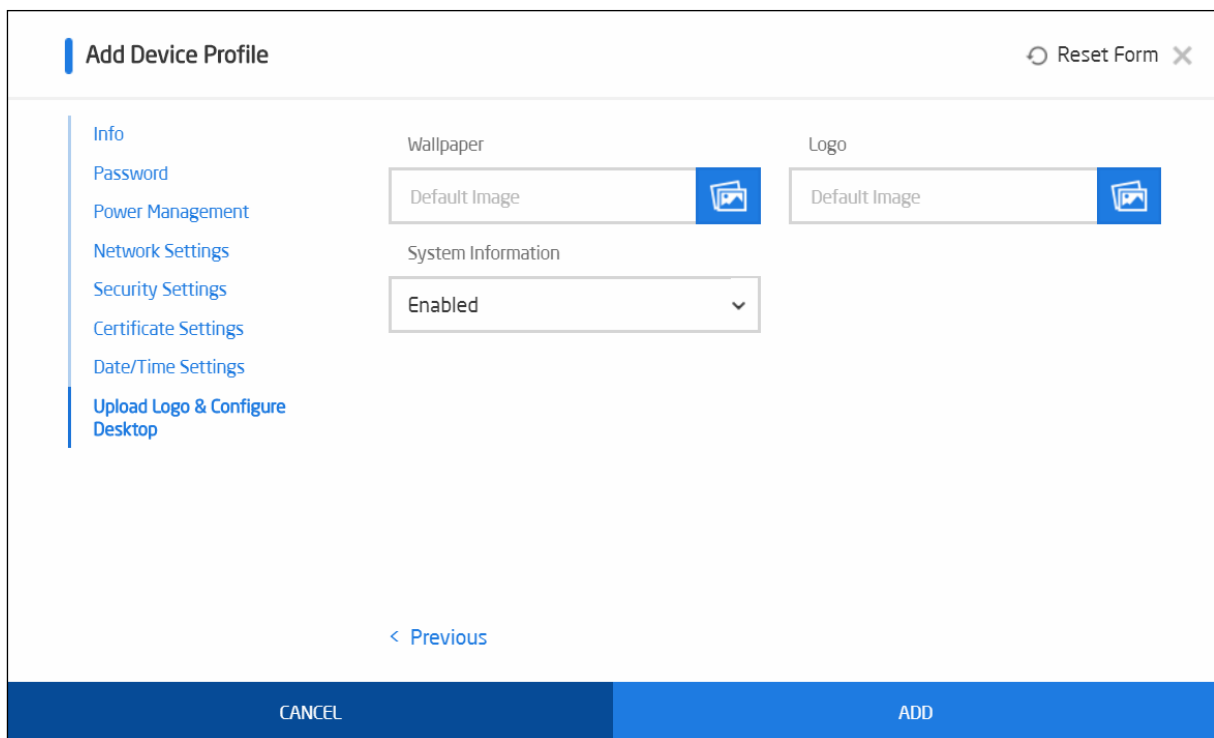
Figure 53 Add Device Profile – Date/Time Settings

The Date/Time Settings window shows time zone, time format, and NTP configuration content. Click **Date/Time Settings** or any tab on the left to switch the setting page at any time during the configuration process.

Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

- **TimeZone:** Select a time zone that the devices are located from the drop-down list. This field must be configured.
- **Time Format:** Select 12 or 24 hour from the drop-down list. This field must be configured.
- **NTP:** Select Disable or Enable from the drop-down list. This field must be configured.
- **NTP Server:** Enter NTP server address. This field must be configured.

- Click **Next >** or the **Upload Logo & Configure Desktop** tab on the left to move to the next setting page.
- Click **< Previous** or the **Certificate Settings** tab on the left to move back to the previous setting page.
- Click **ADD** to add the new device profile and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon  **Reset Form** to reset the page content back to the default state and the first setting page.
- Click **CANCEL** or icon  to restore your previous settings and leave the page.


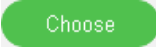



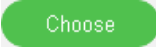






The screenshot shows the 'Add Device Profile' window with the 'Upload Logo & Configure Desktop' tab selected. On the left, a sidebar lists various settings categories: Info, Password, Power Management, Network Settings, Security Settings, Certificate Settings, Date/Time Settings, and Upload Logo & Configure Desktop (which is highlighted). The main content area contains three settings: 'Wallpaper' and 'Logo', both set to 'Default Image' with image selection icons; and 'System Information', set to 'Enabled' with a dropdown arrow. At the bottom, there are 'CANCEL' and 'ADD' buttons. In the top right corner, there is a 'Reset Form' button with a refresh icon and an 'X'.

Figure 54 Add Device Profile – Upload Logo & Configure Desktop


The Upload Logo & Configure Desktop window allows you to configure wallpaper image, logo and enable/disable system information. Click **Upload Logo & Configure Desktop** or any tab on the left to switch the setting page at any time during the configuration process.


Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured




- **WallPaper**: choose the wallpaper image file that you want to upload. It allows uploading a single image file. Click the icon  to extend the wallpaper preview screen on the right. If you haven't chosen a wallpaper image, the preview screen shows grey image.
- Click the icon  to show the file selection window. After confirming the selected wallpaper file, the image will display in wallpaper preview screen. The **WallPaper** will show the selected file name. The file format, size, and/or limitation would be different, according the selected device type. Please refer to the file limitation description in the preview screen. Click the icon  to clear selected file. The file preview screen and **WallPaper** will return to the unedited state. Click  to close the extended file setting screen. This field is optional.
- **Logo**: choose the company logo file that you want to upload. It allows uploading a single logo file. Click the icon  to extend the logo preview screen on the right. If you haven't chosen a logo image, the preview screen shows grey image.
- Click the icon  to show the file selection window. After confirming the selected logo file, the image will display in logo preview screen. The **Logo** will show the selected file name. The file format, size, and/or limitation would be different, according the selected device type. Please refer to the file limitation description in the preview screen. Click the icon  to clear selected file. The file preview screen and **Logo** will return to the unedited state. Click  to close the extended file setting screen. This field is optional.

- System Information: Select Disable or Enable from the drop-down list to confirm whether or not to show system information on UI. This field must be configured.
- Click < **Previous** or the **Date/Time Settings** tab on the left to move back to the previous setting page.
- Click **ADD** to add the new device profile and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon  **Reset Form** to reset the page content back to the default state and the first setting page.
- Click **CANCEL** or icon  to restore your previous settings and leave the page.

(2) View Device Profile

View Device Profile
 Delete Item ×


 This item is used by group.

<ul style="list-style-type: none"> Info Password Power Management Network Settings Security Settings Certificate Settings Date/Time Settings Upload Logo & Configure Desktop 	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">Device Profile</td> <td style="width: 33%;">Device Type</td> </tr> <tr> <td>006_DevProfile</td> <td>29B3C00</td> </tr> <tr> <td colspan="2">Description</td> </tr> <tr> <td colspan="2">Test Description -- Device Profile : 6</td> </tr> <tr> <td colspan="2">Group (1)</td> </tr> <tr> <td>014_DevGroup </td> <td>Create Time</td> </tr> <tr> <td></td> <td>2019.06.02 00:06 by 0006</td> </tr> <tr> <td colspan="2">Edit Time</td> </tr> <tr> <td colspan="2">2019.06.02 00:06 by 0006</td> </tr> </table>	Device Profile	Device Type	006_DevProfile	29B3C00	Description		Test Description -- Device Profile : 6		Group (1)		014_DevGroup 	Create Time		2019.06.02 00:06 by 0006	Edit Time		2019.06.02 00:06 by 0006	
Device Profile	Device Type																		
006_DevProfile	29B3C00																		
Description																			
Test Description -- Device Profile : 6																			
Group (1)																			
014_DevGroup 	Create Time																		
	2019.06.02 00:06 by 0006																		
Edit Time																			
2019.06.02 00:06 by 0006																			

[Next >](#)





EDIT
CLOSE

Figure 55 View Device Profile - 1

Choose a device profile from the list and click the view icon  in the toolbar to view device profile configuration information. You can also right-click a device profile from the list to show the **View** option.

The window will show different configuration content according to the selected **Device Type**. Here uses device type “29B3C00” as the example. Click **Info** or any tab on the left to switch the view page at any time during the process.

The window shows Info, Password, Power Management, Network, Security, Certificate, Date/Time Settings, and Upload Logo & Configure Desktop settings.

- If a profile is applied to a group, a message **This item is used by group.** is displayed. Click the Expand icon  to expand and show applied group list. Click the Leave icon  to collapse the expanded group list.
- Click **Next >** to move to the next setting page.
- Click **< Previous** to move back to the previous setting page.
- Click **CLOSE** or icon  to close the view page.
- Click **EDIT** to enter device profile editing window.
- Click the **Delete Item** icon  **Delete Item** to delete the device profile item. If the item was applied to a group, you are not allowed to delete it.

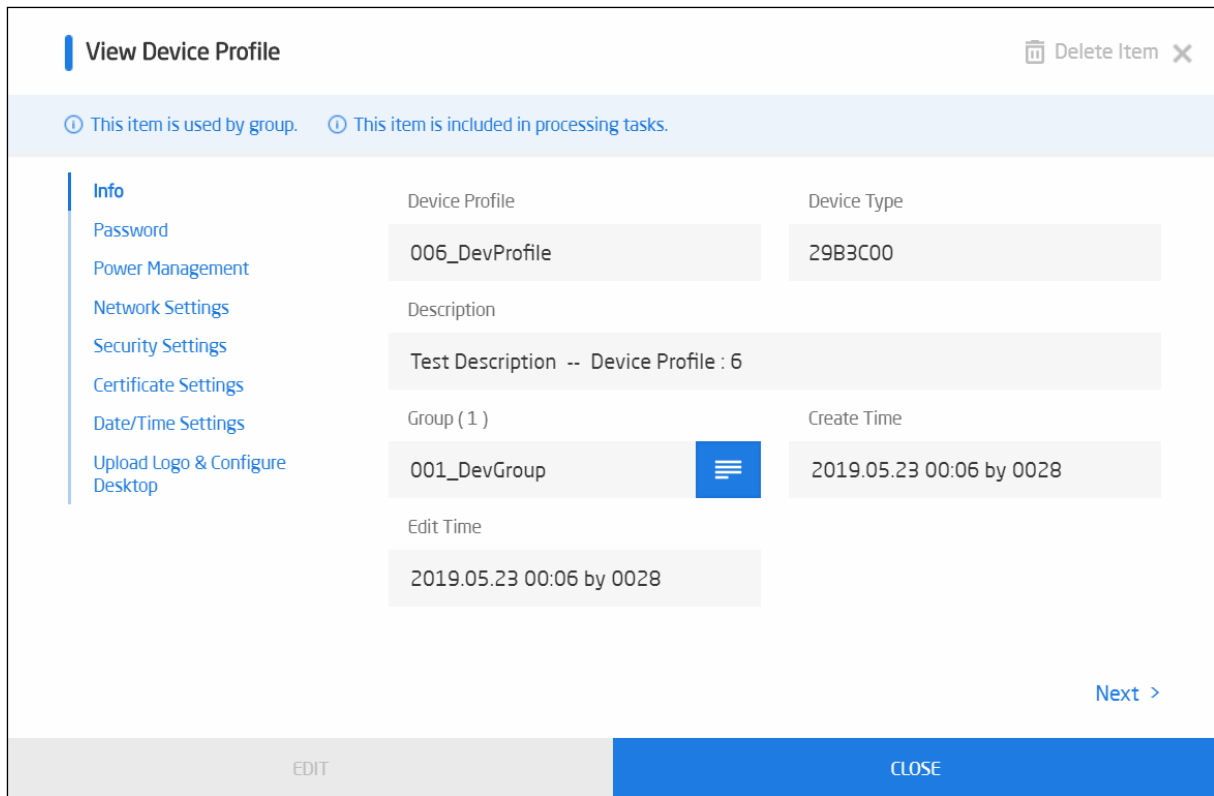





Figure 56 View Device Profile - 2

If the viewed device profile is processing tasks, a message **This item is included in processing tasks.** is displayed. You can only view the processing task details but cannot edit or delete it.

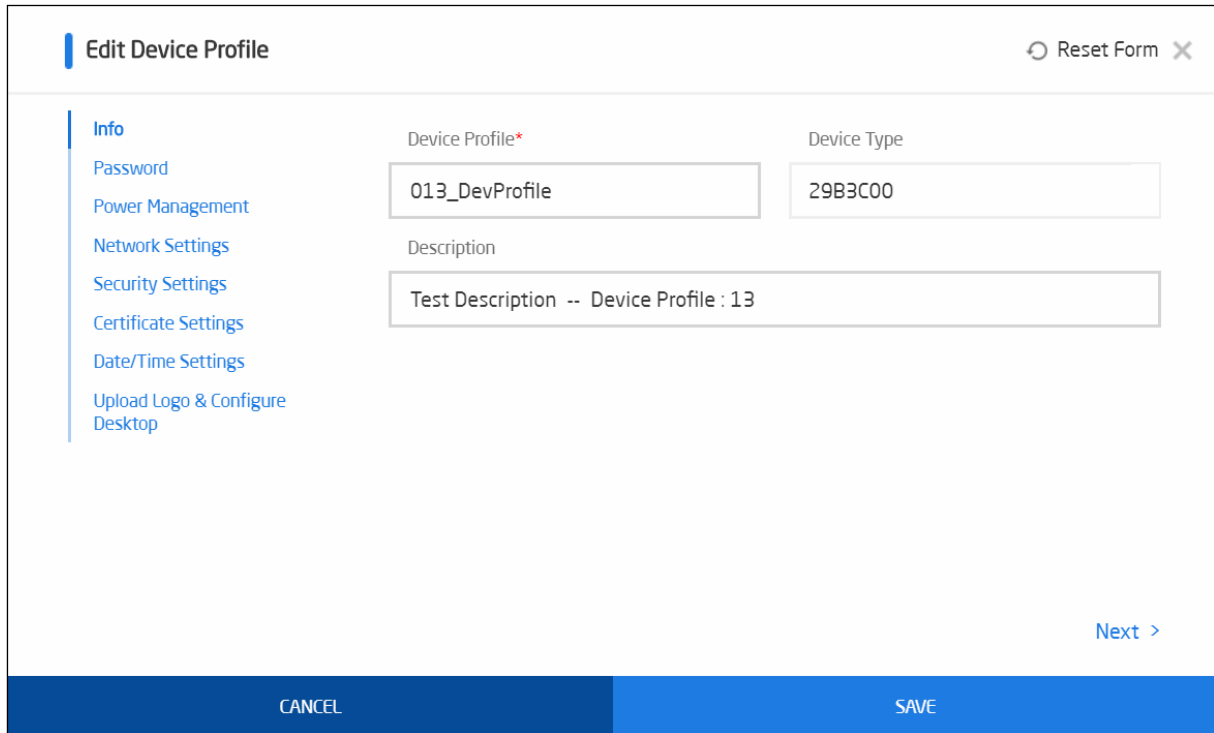
If a profile is applied to a group, a message **This item is used by group.** is displayed. Click the Expand icon  to expand and show applied group list. Click the Leave icon  to collapse the expanded group list.

- Click **Next >** to move to the next setting page.
- Click **< Previous** to move back to the previous setting page.
- Click **CLOSE** or icon  to close the view page.

(3) Edit Device Profile

You can only edit a device profile which is not performing a task. If a device profile is applied to one or more groups, and there is no group in

performing a task, DMS will display new task scheduling after completing device profile editing. Performing the task will apply the changed device profile to all devices in the group(s).




The screenshot shows the 'Edit Device Profile' window with the 'Info' tab selected. The window title is 'Edit Device Profile' and it includes a 'Reset Form' button. On the left, there is a navigation menu with the following items: Info (selected), Password, Power Management, Network Settings, Security Settings, Certificate Settings, Date/Time Settings, and Upload Logo & Configure Desktop. The main content area contains the following fields:

- Device Profile***: A text input field containing '013_DevProfile'.
- Device Type**: A text input field containing '29B3C00'.
- Description**: A text input field containing 'Test Description -- Device Profile : 13'.



At the bottom right, there is a 'Next >' button. At the bottom of the window, there are two buttons: 'CANCEL' and 'SAVE'.

Figure 57 Edit Device Profile - Info

Choose a device profile from the list and click the edit icon  in the toolbar to edit device profile configuration. You can also right-click a device profile from the list to show the **Edit** option.

The window will show different configuration content according to the selected **Device Type**. Here uses device type “29B3C00” as the example. Click **Info** or any tab on the left to switch the setting page at any time during the configuration process.

Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

- **Device Profile:** You must configure the device profile name. The length of the name field is 20 characters. Space is not allowed in device profile name.
- **Device Type:** This field is read only and cannot be modified. The data source is generated when devices are registered with the DMS server.
- **Description:** Lets you enter the device profile description. The length of the description is 200 characters. This field is optional.
- Click **Next >** or the **Password** tab on the left to move to the next setting page.
- Click **SAVE** to save the changes and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon  **Reset Form** to reset the page content back to the unedited state.
- Click **CANCEL** or icon  to restore your previous settings and leave the page.

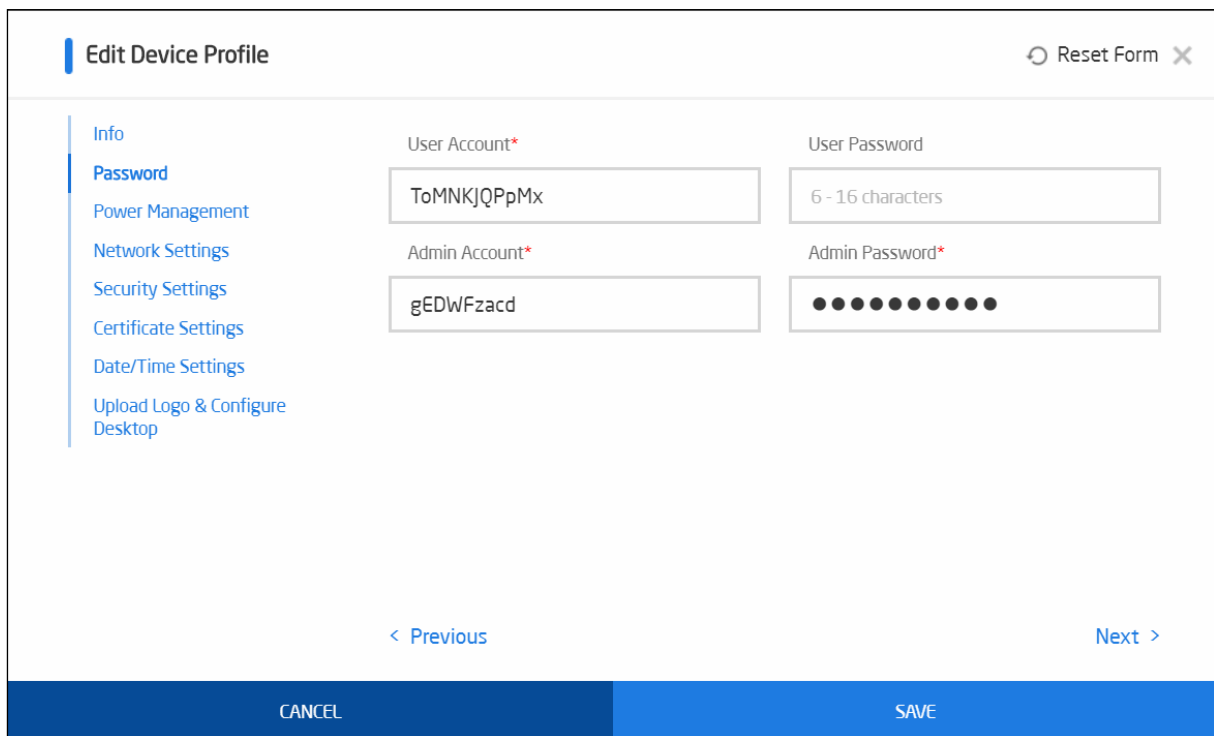


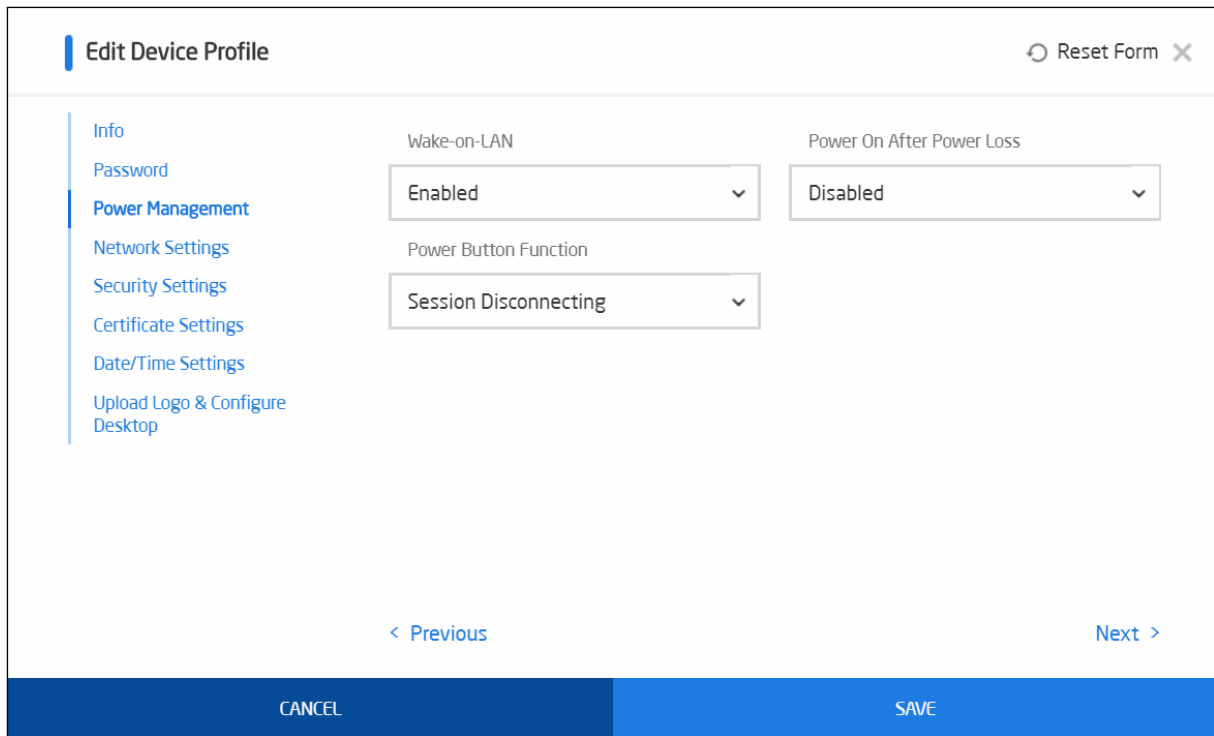


Figure 58 Edit Device Profile - Password

The Password setting window shows user and administrator account/password configuration content. Click **Password** or any tab on the left to switch the setting page at any time during the configuration process.

Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

- **User Account:** When the device is powered on, it will automatically log in with this account. This field must be filled in. Space is not allowed in account field.
- **User Password:** Configure the user log-in password if it is required.
- **Admin Account:** Configure the administrator account to authorize access to advanced settings. This field must be filled in. Space is not allowed in account field.
- **Admin Password:** The device's advanced configuration is protected by a password. You have to configure the password to get access to advanced configuration. This field must be filled in. Space is not allowed in password field.
- Click **Next >** or the **Power Management** tab on the left to move to the next setting page.
- Click **< Previous** or the **Info** tab on the left to move back to the previous setting page.
- Click **Save** to save the changes and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon  **Reset Form** to reset the page content back to the default state and the first setting page.
- Click **CANCEL** or icon  to restore your previous settings and leave the page.



The screenshot shows the 'Edit Device Profile' interface with the 'Power Management' tab selected. On the left is a sidebar with navigation links: Info, Password, Power Management (active), Network Settings, Security Settings, Certificate Settings, Date/Time Settings, and Upload Logo & Configure Desktop. The main content area contains three settings:

- Wake-on-LAN:** A dropdown menu set to 'Enabled'.
- Power On After Power Loss:** A dropdown menu set to 'Disabled'.
- Power Button Function:** A dropdown menu set to 'Session Disconnecting'.

At the bottom of the window, there are navigation buttons: '< Previous' and 'Next >' in the center, and 'CANCEL' and 'SAVE' in a dark blue bar at the very bottom.



Figure 59 Edit Device Profile – Power Management

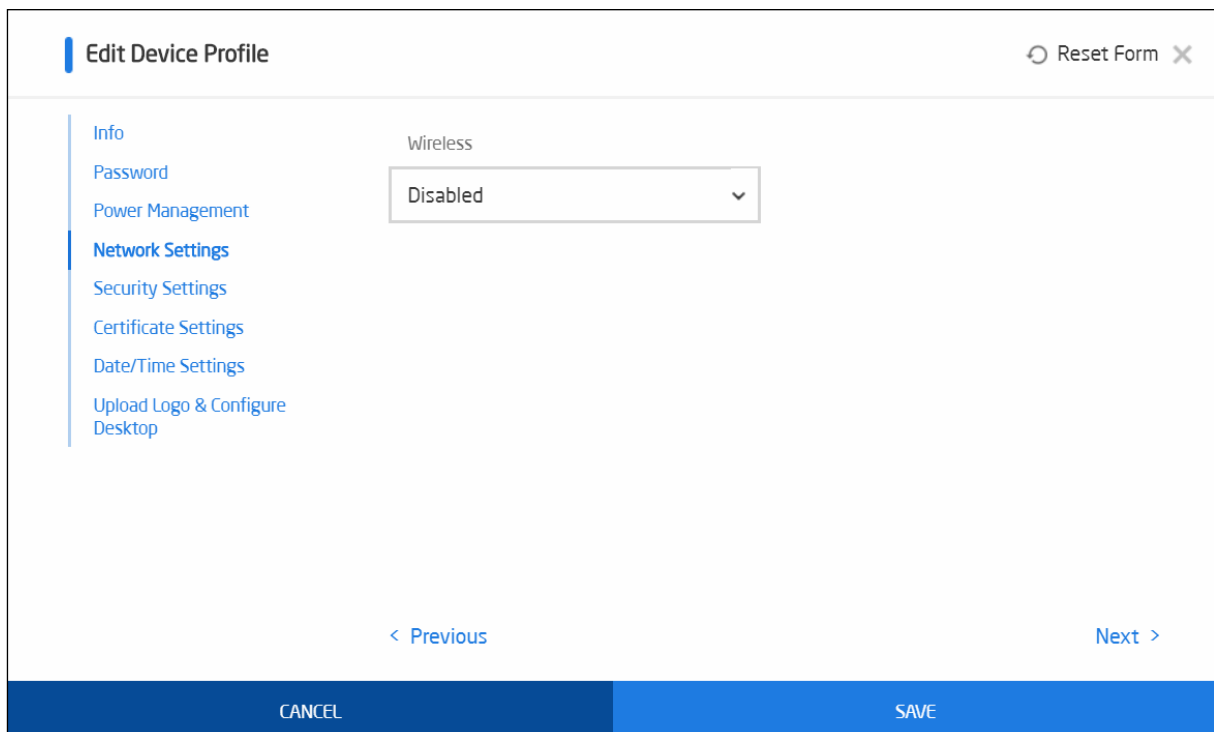
The Power Management setting window shows wake-on-LAN, power on after power loss, and power button function configuration content. Click **Power Management** or any tab on the left to switch the setting page at any time during the configuration process.

Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

- **Wake-on-LAN:** Select Disable or Enable from the drop-down list. This field must be configured.
- **Power On After Power Loss:** Select Disable or Enable from the drop-down list. When enabled, the device automatically powers back on when power is supplied. This field must be configured.
- **Power Button Function:** Select Ignore, Sleep, Power-Off, or Session Disconnecting from the drop-down list. When set to Ignore, no action is taken; when set to Sleep, the device enters sleep mode; when set to Power-Off, the device is turned off regardless of whether the device

is in a VDI session; when set to Session Disconnecting, if the device is in a VDI session, pressing power button would disconnect the session. This field must be configured.

- Click **Next >** or the **Network Settings** tab on the left to move to the next setting page.
- Click **< Previous** or the **Password** tab on the left to move back to the previous setting page.
- Click **Save** to save the changes and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon  **Reset Form** to reset the page content back to the default state and the first setting page.
- Click **CANCEL** or icon  to restore your previous settings and leave the page.





The screenshot shows the 'Edit Device Profile' window with the 'Network Settings' tab selected. The 'Wireless' dropdown menu is set to 'Disabled'. The interface includes a sidebar with navigation options: Info, Password, Power Management, Network Settings (selected), Security Settings, Certificate Settings, Date/Time Settings, and Upload Logo & Configure Desktop. At the bottom, there are buttons for '< Previous', 'Next >', 'CANCEL', and 'SAVE'. A 'Reset Form' button with a circular arrow icon is located in the top right corner.

Figure 60 Edit Device Profile – Network Settings

The Network Settings window shows wireless network configuration content.

Click **Network Settings** or any tab on the left to switch the setting page at any time during the configuration process.

Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

- Wireless: Select Disable or Enable from the drop-down list. This field must be configured.
- Click **Next >** or the **Security Settings** tab on the left to move to the next setting page.
- Click **< Previous** or the **Power Management** tab on the left to move back to the previous setting page.
- Click **Save** to save the changes and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon  **Reset Form** to reset the page content back to the default state and the first setting page.
- Click **CANCEL** or icon  to restore your previous settings and leave the page.

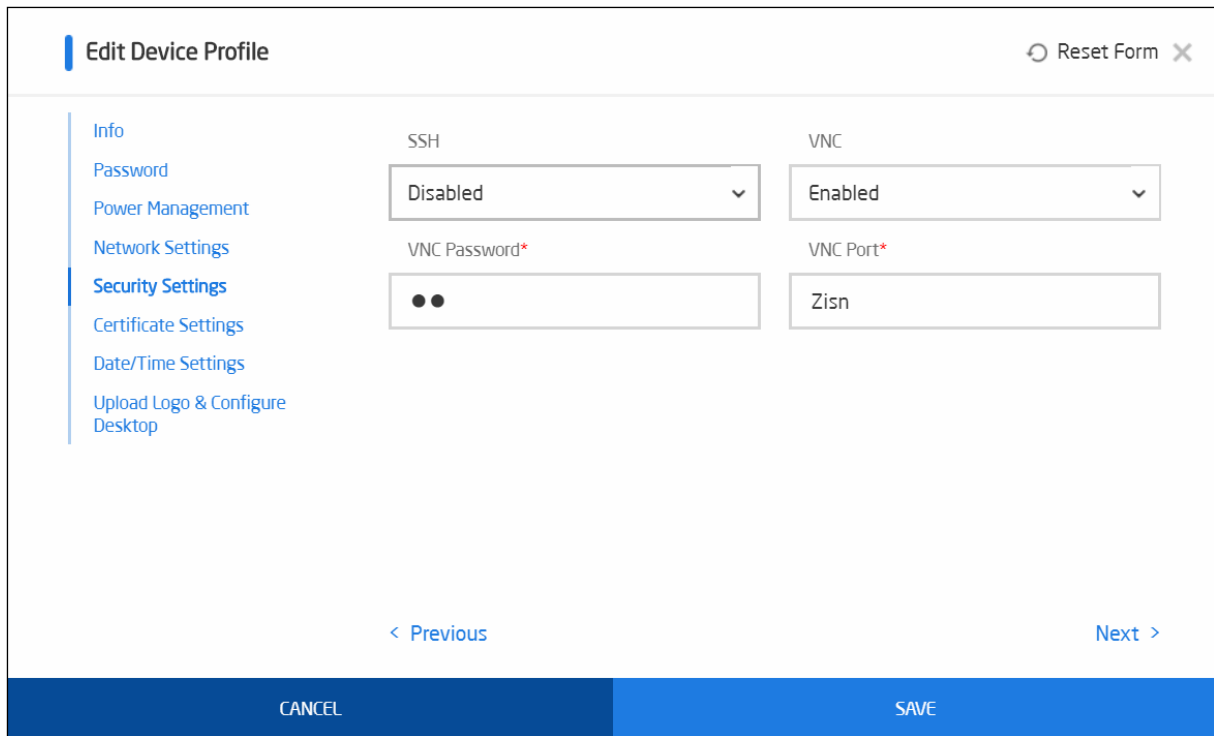




Figure 61 Edit Device Profile – Security Settings

The Security Settings window shows SSH and VNC configuration content. Click **Security Settings** or any tab on the left to switch the setting page at any time during the configuration process.

Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

- SSH: Select Disable or Enable from the drop-down list. This field must be configured.
- SSH Password: Enter SSH password when SSH is enabled. This field must be filled in. Space is not allowed in password field.
- VNC: Select Disable or Enable from the drop-down list. This field must be configured.
- VNC Password: Enter VNC password when VNC is enabled. This field must be filled in. Space is not allowed in password field.
- VNC Port: Enter VNC port when VNC is enabled. This field must be filled in. Space is not allowed in this field.

- Click **Next >** or the **Certificate Settings** tab on the left to move to the next setting page.
- Click **< Previous** or the **Network Settings** tab on the left to move back to the previous setting page.
- Click **Save** to save the changes and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon  **Reset Form** to reset the page content back to the default state and the first setting page.
- Click **CANCEL** or icon  to restore your previous settings and leave the page.

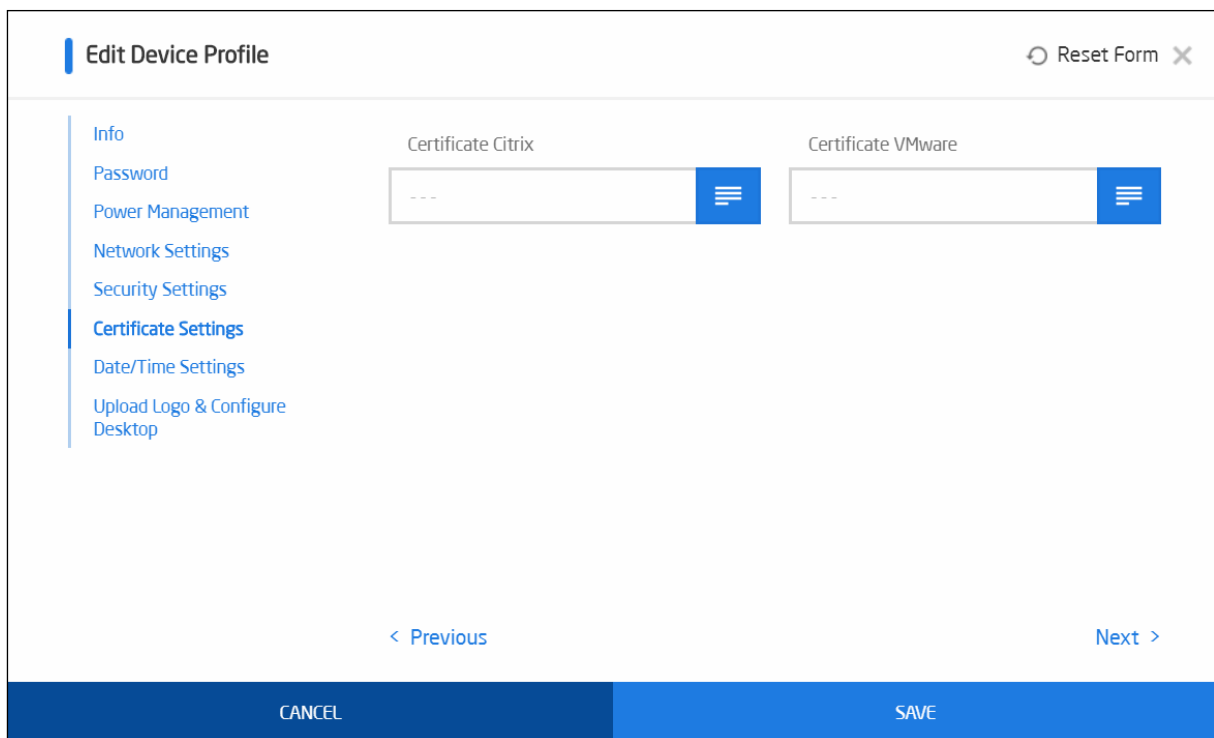



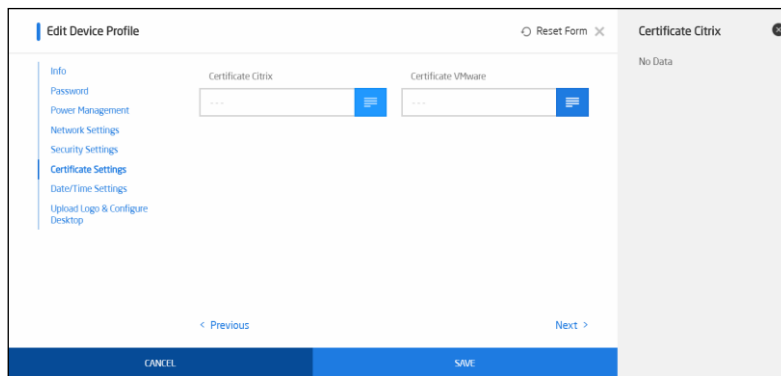
Figure 62 Edit Device Profile – Certificate Settings


The Certificate Settings window shows Citrix and VMware connection certificate configuration content. The certificate file must have been uploaded and stored in the software. The certificate details can be managed and viewed in Settings -> File -> Certificate page. If you've configured a certificate previously, the

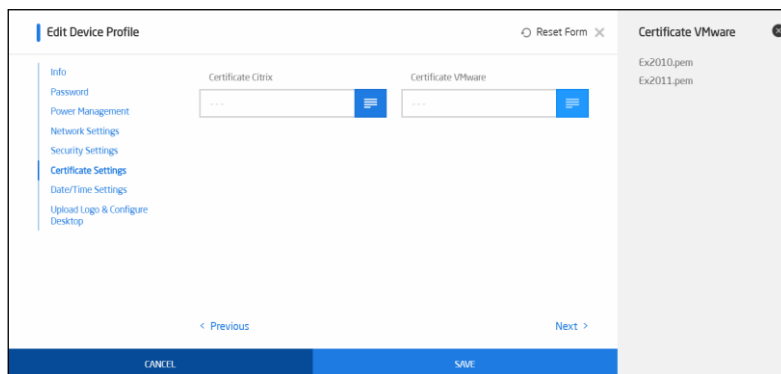
Certificate Citrix or **Certificate VMware** will show the previously configured file name. Click **Certificate Settings** or any tab on the left to switch the setting page at any time during the configuration process.

Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.



- **Certificate Citrix:** Select Citrix certificate file by clicking the Expand icon  to expand and show the file list that you can choose from. Only one can be selected at a time.



- **Certificate VMware:** Select VMware certificate file by clicking the Expand icon  to expand and show the file list that you can choose from. Only one can be selected at a time.



- Click **Next >** or the **Date/Time Settings** tab on the left to move to the next setting page.
- Click **< Previous** or the **Security Settings** tab on the left to move back to the previous setting page.

- Click **Save** to save the changes and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon  **Reset Form** to reset the page content back to the default state and the first setting page.
- Click **CANCEL** or icon  to restore your previous settings and leave the page.

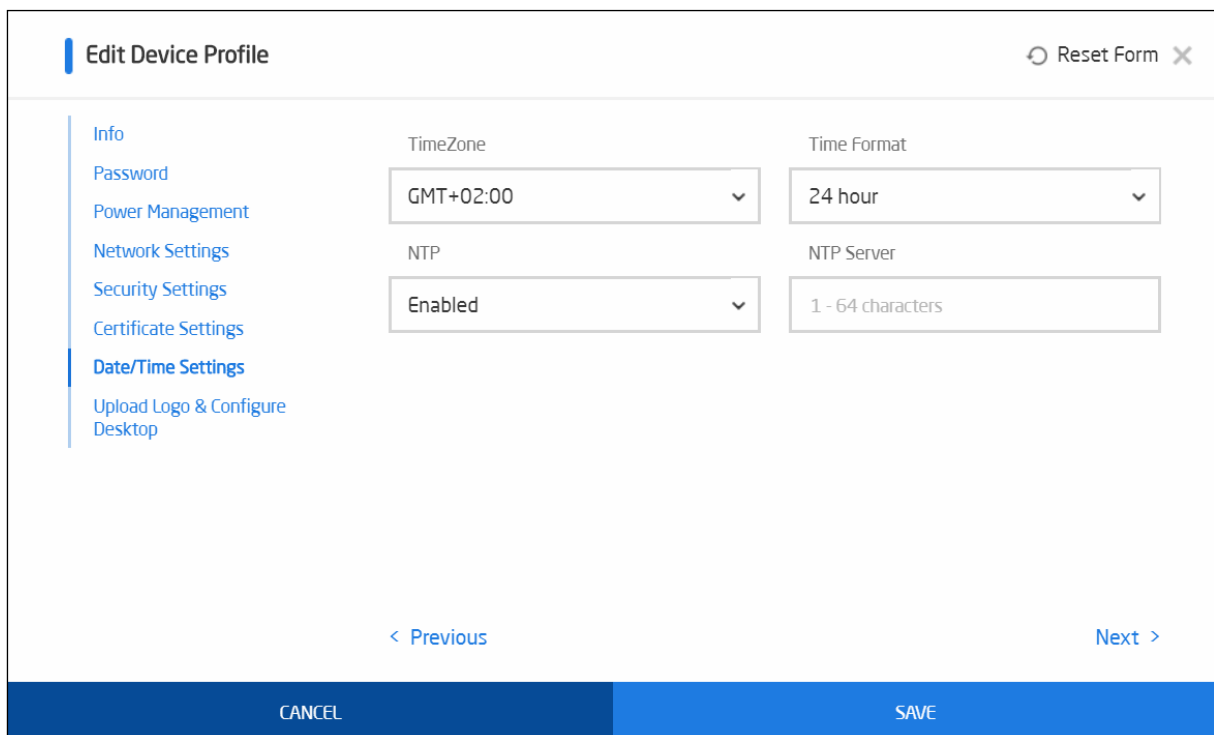




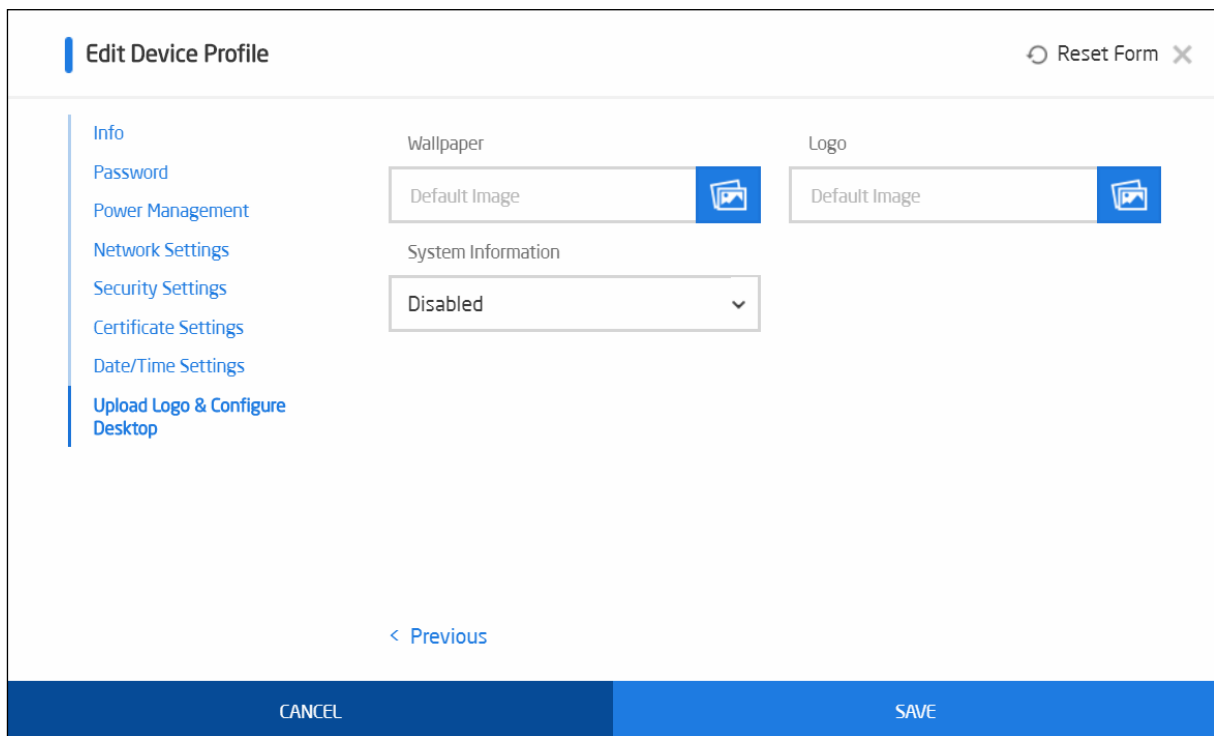
Figure 63 Edit Device Profile – Date/Time Settings

The Date/Time Settings window shows time zone, time format, and NTP configuration content. Click **Date/Time Settings** or any tab on the left to switch the setting page at any time during the configuration process.

Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

- **TimeZone**: Select a time zone that the devices are located from the drop-down list. This field must be configured.

- Time Format: Select 12 or 24 hour from the drop-down list. This field must be configured.
- NTP: Select Disable or Enable from the drop-down list. This field must be configured.
- NTP Server: Enter NTP server address. This field must be configured.
- Click **Next >** or the **Upload Logo & Configure Desktop** tab on the left to move to the next setting page.
- Click **< Previous** or the **Certificate Settings** tab on the left to move back to the previous setting page.
- Click **Save** to save the changes and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon  **Reset Form** to reset the page content back to the default state and the first setting page.
- Click **CANCEL** or icon  to restore your previous settings and leave the page.


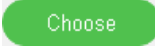

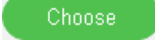
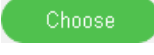





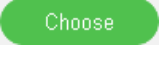

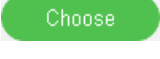
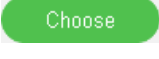




The screenshot displays the 'Edit Device Profile' window with the 'Upload Logo & Configure Desktop' tab selected. The window title is 'Edit Device Profile' and it includes a 'Reset Form' button with a refresh icon and a close 'X' icon. On the left, a sidebar lists settings categories: Info, Password, Power Management, Network Settings, Security Settings, Certificate Settings, Date/Time Settings, and Upload Logo & Configure Desktop (which is highlighted). The main content area shows three settings: 'Wallpaper' and 'Logo', both with 'Default Image' text and an image selection icon; and 'System Information' with a dropdown menu currently set to 'Disabled'. At the bottom, there is a '< Previous' link and two large buttons: 'CANCEL' and 'SAVE'.

Figure 64 Edit Device Profile – Upload Logo & Configure Desktop

The Upload Logo & Configure Desktop window allows you to configure wallpaper image, logo and enable/disable system information. Click **Upload Logo & Configure Desktop** or any tab on the left to switch the setting page at any time during the configuration process. If you've configured a wallpaper and/or logo image previously, the **WallPaper** and/or **Logo** will show the previously selected file name.

Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

- **WallPaper**: choose the wallpaper image file that you want to upload. It allows uploading a single image file. Click the icon  to extend the wallpaper preview screen on the right. If you've chosen a wallpaper file, the preview screen shows the previously selected image. If you haven't chosen a wallpaper image, the preview screen shows grey image.
- If you've chosen a wallpaper file and want to use a new wallpaper image, you can directly click the icon  to change the image or click  to clear the previous setting and then click  to configure a new image.
- Click the icon  to show the file selection window. After confirming the selected wallpaper file, the image will display in wallpaper preview screen. The **WallPaper** will show the selected file name. The file format, size, and/or limitation would be different, according the selected device type. Please refer to the file limitation description in the preview screen. Click the icon  to clear selected file. The file preview screen and **WallPaper** will return to the unedited state. Click  to close the extended file setting screen. This filed is optional.

- **Logo:** choose the company logo file that you want to upload. It allows uploading a single logo file. Click the icon  to extend the logo preview screen on the right. If you've chosen a logo file, the preview screen shows the previously selected image. If you haven't chosen a logo image, the preview screen shows grey image.
- If you've chosen a logo file and want to use a new logo image, you can directly click the icon  to change the image or click  to clear the previous setting and then click  to configure a new image.
- Click the icon  to show the file selection window. After confirming the selected logo file, the image will display in logo preview screen. The **Logo** will show the selected file name. The file format, size, and/or limitation would be different, according the selected device type. Please refer to the file limitation description in the preview screen. Click the icon  to clear selected file. The file preview screen and **Logo** will return to the unedited state. Click  to close the extended file setting screen. This filed is optional.
- **System Information:** Select Disable or Enable from the drop-down list to confirm whether or not to show system information on UI. This field must be configured.
- Click **< Previous** or the **Date/Time Settings** tab on the left to move back to the previous setting page.
- Click **Save** to save the changes and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon  **Reset Form** to reset the page content back to the default state and the first setting page.
- Click **CANCEL** or icon  to restore your previous settings and leave the page.

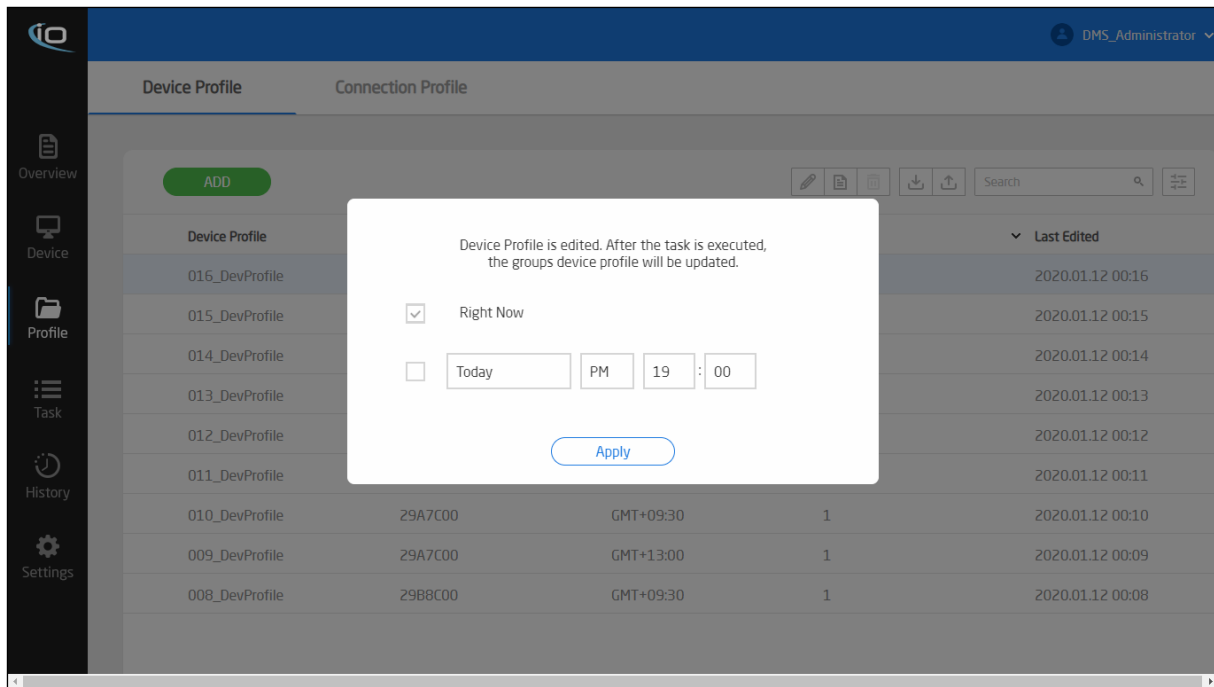


Figure 65 Task scheduling for an edited device profile

If a device profile is applied to one or more groups, and there is no group in performing a task, DMS will display new task scheduling after completing device profile editing. The task must be added and executed. Performing the task will apply the changed device profile to all devices in the group(s).

You can execute the task immediately (choose “Right Now”) or in the future by specifying the date and time. The date can only be configured as Today or Tomorrow. Once you complete the setting, click the **Apply** button to save the changes and close the window.

The new task is displayed in the Task list with a name format of sTask_D9999 (9999 is a randomly generated sequence number). A task of changing device profile or connection profile cannot be edited or deleted.

(4) Delete Device Profile

You can only delete a device profile which is not assigned to any group. When a device profile is assigned to a group, you can only view the device profile information.

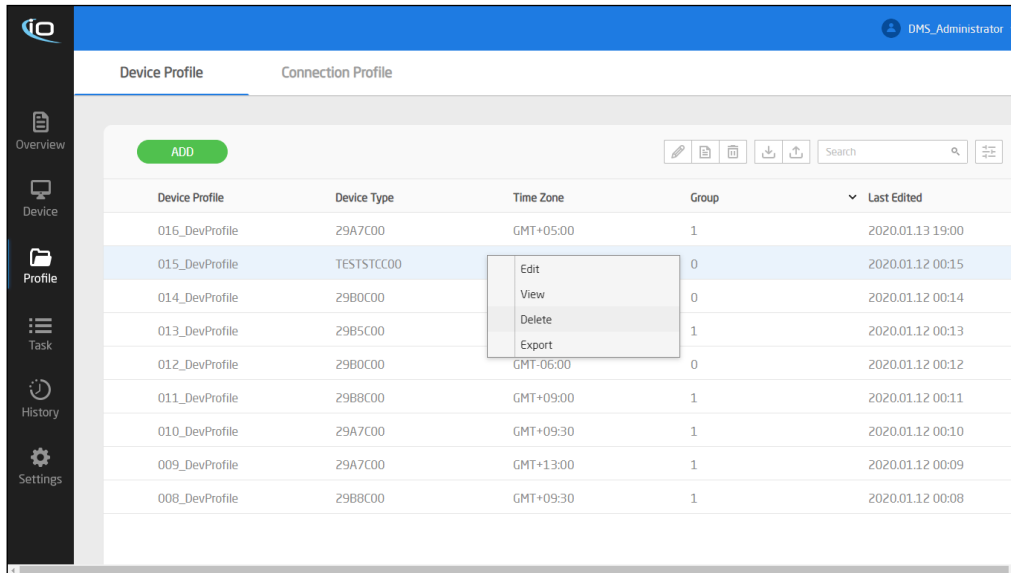



Figure 66 Delete Device Profile

Choose a device profile from the list and click the delete icon  in the toolbar to delete the selected device profile. You can also right-click a device profile from the list to show the **Delete** option.

A confirmation dialogue appears. Click **Cancel** to leave the window without changes or click **Delete** to confirm the deletion.

(5) Export Device Profile

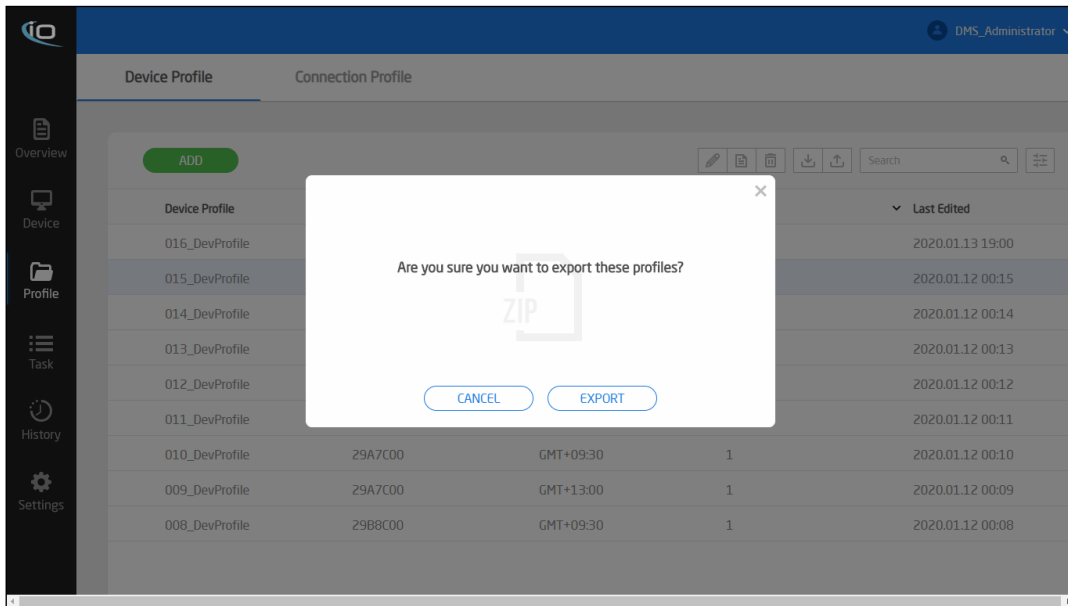



Figure 67 Export Device Profile Confirmation Window

Choose one or multiple device profiles from the device profile list to export the data. Click the export icon  in the toolbar or click **Export** from the shortcut list to export device profile data.

If you didn't click and choose any device profile from the list, it exports all device profile data; if you click and choose a specific device profile from the list, it exports the selected device profile data.

Click **CANCEL** to leave the export window without changes.

Click **EXPORT** to export device profile data. Depending on your browser setting, a window may appear for you to choose the export file location, or the file is exported directly to an assigned download location. If there is any error happening during exporting process, it shows error message.

```

{"DMS":{"Version":"2.2.0","CreateTime":"20180531112834"},"deviceTypeData":{"items":{"abilityFlag":{"referenceArea":{"timeZone":"005_001"},"supportCr
,"imgResolution":[],"abilitySupport":1,"valueLength":[6,32],"decryptShowValue":1,"fileSize":[],"values":{"name":"User Password","allowSpaceInValue":0,"disj
yFlag":{"name":"Power Management","displayOrder":2,"abilitySupport":1,"settingFields":{"imgItemOption":0,"imgResolutionMustEqual":0,"fieldType":1,"all
e":0,"displayOrder":2,"valueType":1,"subFileArray":[],"defaultValue":2,"required":1,"key":"002_002","colorFormat":0,{"imgItemOption":0,"imgResolutionMu
in","value":5},{"name":"30 min","value":6},{"name":"45 min","value":7},{"name":"1 hr","value":8},{"name":"3 hr","value":9},{"name":"5 hr","value":10}},"mut
"003_006"}]},{"value":1,"effectField":{"effect":0,"fillValue":"","key":"003_002"},"effect":0,"fillValue":"","key":"003_003"},"effect":0,"fillValue":"","key":"003_
03"},"effect":0,"fillValue":"","key":"003_004"},"effect":0,"fillValue":"","key":"003_005"},"effect":0,"fillValue":"","key":"003_006"}]},"contentType":0,"usingC
ey":"003_004","colorFormat":0,{"imgItemOption":0,"imgResolutionMustEqual":0,"fieldType":3,"allowMultipleValues":0,"adaptiveControl":0,"imgResolution":
},"mutualExclusion":0,"effect":{"value":0,"effectField":{"effect":2,"fillValue":"","key":"003_008"},"effect":2,"fillValue":"","key":"003_009"},"effect":2,"fillVal
},"abilitySupport":1,"valueLength":[1,1],"decryptShowValue":0,"fileSize":[],"values":{"content":{"name":"Open","value":0},"name":"WEP-ASCII","value":1},"
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},"name":"GMT-08:00","value":4},"name":"GMT-07:00","value":5},"name":"GMT-06:00","value":6},"name":"GMT-05:00","value":7},"name":"GMT-04:30",
me":"GMT+14:00","value":36}},"mutualExclusion":0,"effect":[],"contentType":0,"usingContentKey":"","name":"TimeZone","allowSpaceInValue":0,"displayOri
"mutualExclusion":0,"effect":{"value":0,"effectField":{"effect":1,"fillValue":"","key":"005_004"}},{"value":1,"effectField":{"effect":0,"fillValue":"","key":"005_
owValue":0,"fileSize":[0,10000],"values":{"name":"Wallpaper","allowSpaceInValue":0,"displayOrder":1,"valueType":0,"subFileArray":["png"],"defaultValue":"
ultValue":0,"required":1,"key":"006_003","colorFormat":0},"key":"006"},{"abilityFlag":{"name":"Display","displayOrder":7,"abilitySupport":0,"settingFields":|
y":"007_007"},"effect":0,"fillValue":"","key":"007_008"},"effect":0,"fillValue":"","key":"007_009"}]},{"value":1,"effectField":{"effect":0,"fillValue":"","key":"0
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mat":0},"imgItemOption":0,"imgResolutionMustEqual":0,"fieldType":1,"allowMultipleValues":0,"adaptiveControl":1,"imgResolution":[],"abilitySupport":1,"val
1050","value":26},"name":"1600x1200","value":27},"name":"1920x1200","value":28},"name":"1920x1080","value":29},"name":"2048x1536","value":30},{"
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},"name":"30 min","value":6},"name":"45 min","value":7},"name":"1 hr","value":8},"name":"3 hr","value":9},"name":"5 hr","value":10}},"mutualExclusion
orFormat":0},"imgItemOption":0,"imgResolutionMustEqual":0,"fieldType":0,"allowMultipleValues":0,"adaptiveControl":0,"imgResolution":[],"abilitySupport":
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es":{"name":"Microphone Volume","allowSpaceInValue":0,"displayOrder":2,"valueType":1,"subFileArray":[],"defaultValue":50,"required":1,"key":"009_002",
    
```

Figure 68 Export Device Profile Data

The exported format is a compressed file with a file name `DMS_DeviceProfile_yyyymmdd_hhmmss.zip` (“DMS_DeviceProfile”: fixed characters, “yyymmdd”: exported year/month/day, “hhmmss”: exported time – hour/minute/second). The compressed file includes text files.

The item or data is displayed with quotation marks (“ ”). Two values are separated with a comma (“,”). If not specified otherwise, please do not change exported contents, so as to avoid any importing error.

(6) Import Device Profile

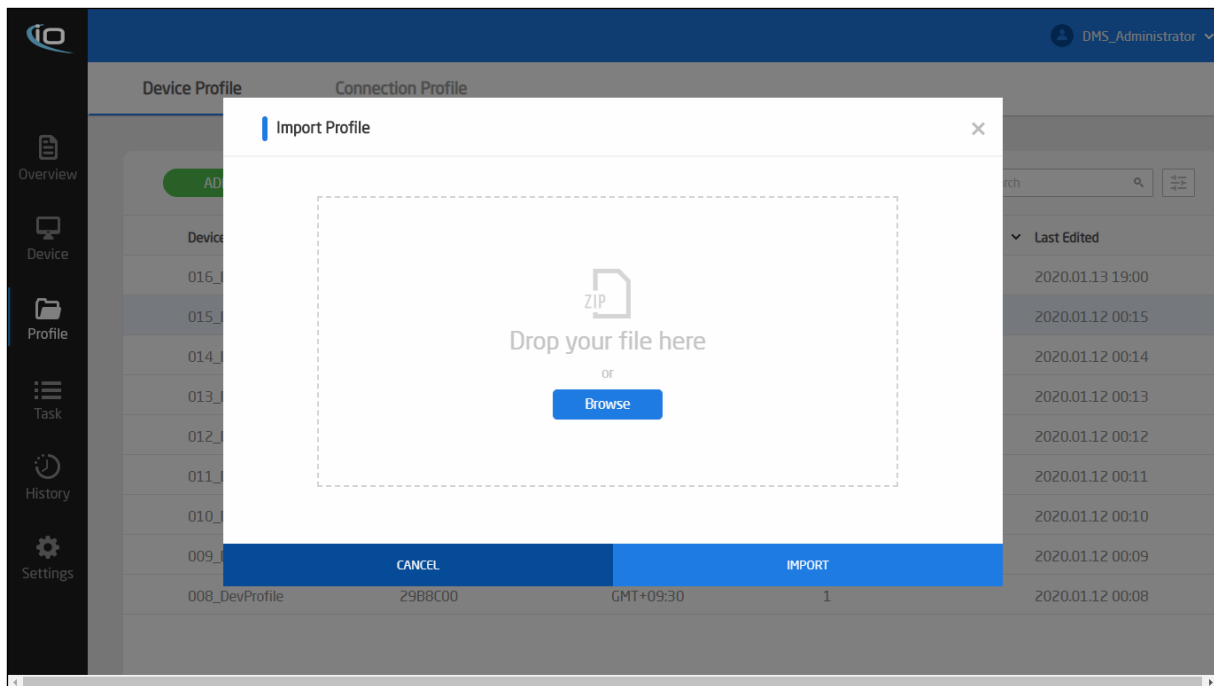



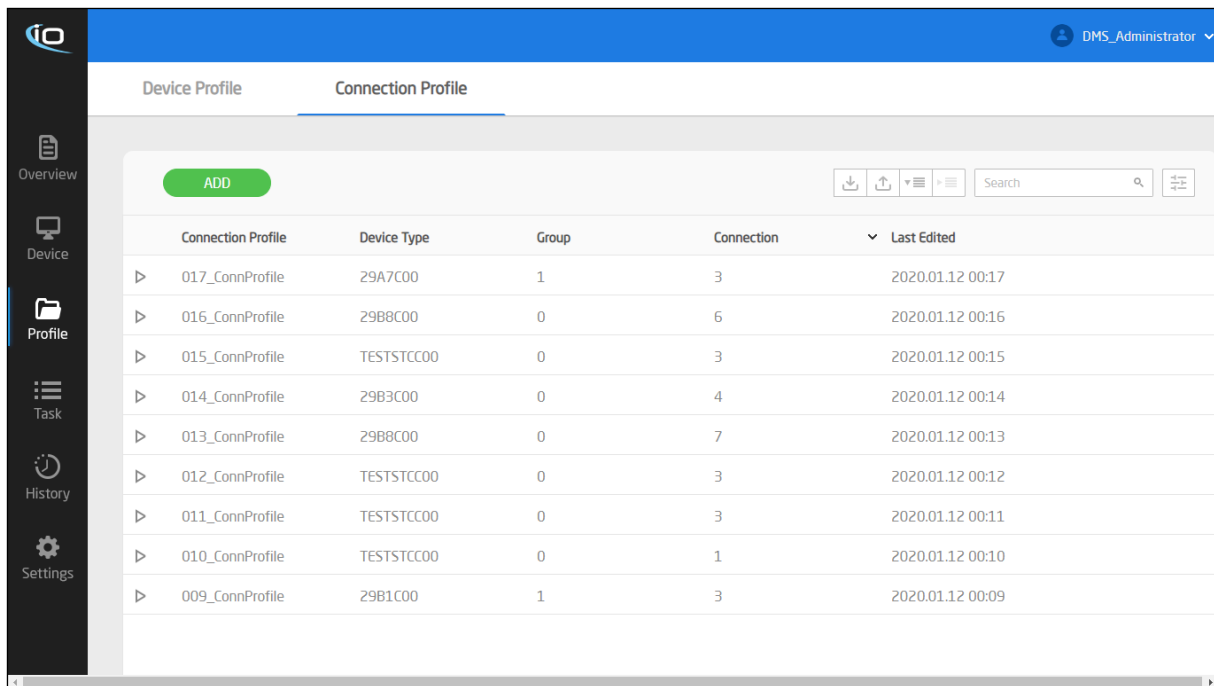
Figure 69 Import Device Profile

In Device Profile main window, click the import icon  in the toolbar to import device profile data. You can drag the file here or click **Browse** and choose the file (*.zip) you want to import. You can only import one file at a time.

Click **CANCEL** to leave the import window without changes.

Click **IMPORT** to import device profile data and then leave the window. If there is any error happening during importing process, it shows error message. You can download and view the error report.

3.6.2 Connection Profile



Connection Profile	Device Type	Group	Connection	Last Edited
017_ConnProfile	29A7C00	1	3	2020.01.12 00:17
016_ConnProfile	29B8C00	0	6	2020.01.12 00:16
015_ConnProfile	TESTSTCC00	0	3	2020.01.12 00:15
014_ConnProfile	29B3C00	0	4	2020.01.12 00:14
013_ConnProfile	29B8C00	0	7	2020.01.12 00:13
012_ConnProfile	TESTSTCC00	0	3	2020.01.12 00:12
011_ConnProfile	TESTSTCC00	0	3	2020.01.12 00:11
010_ConnProfile	TESTSTCC00	0	1	2020.01.12 00:10
009_ConnProfile	29B1C00	1	3	2020.01.12 00:09



Figure 70 Connection Profile


Click **Profile** in the left side of the screen. Then click **Connection Profile** page to show connection profile items.

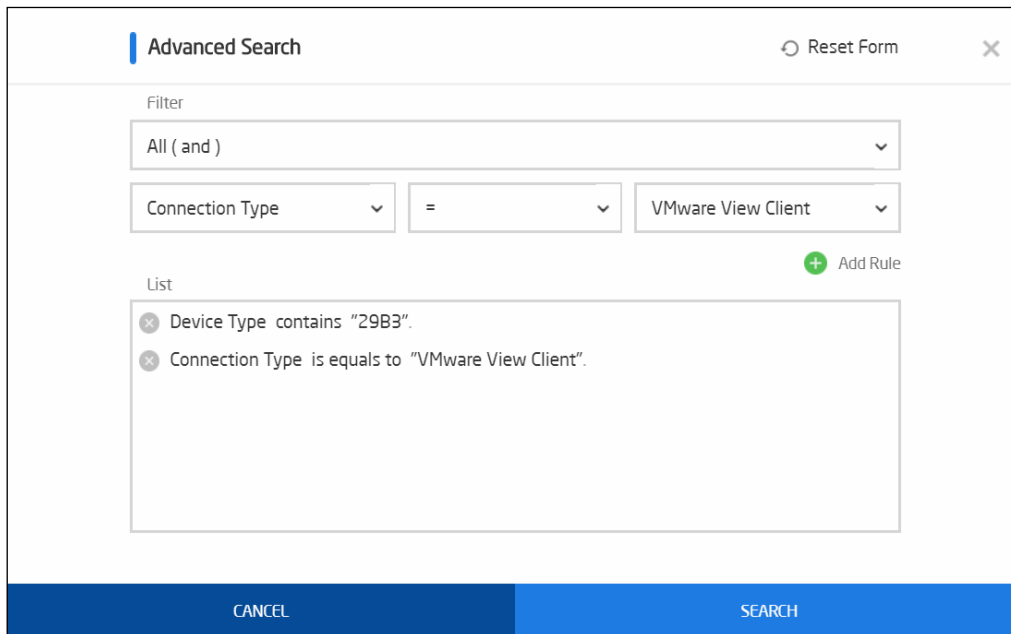
The list shows all created connection profiles, including each connection profile's name, device type, group number, connection number, and the last edited time.

You can view, add, edit, or delete a connection profile.


In search field , you can search any data that meets your search criteria.

Click the advanced search icon  to show advanced search screen. You can define search criteria to find particular data in connection profile screen. After choosing the criteria you want to use and entering your search words, click the add rule icon  **Add Rule** to add rule in search list. You can add one or several search criteria. After completing the setting, click **SEARCH** to start data

searching; click **CANCEL** or icon  to close search screen and go back to connection profile screen.



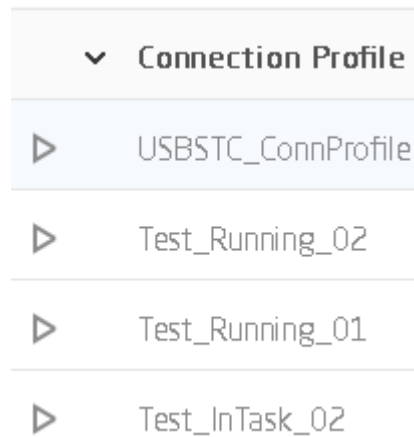
Click the import icon  in the toolbar to import the connection profile.

Click the export icon  in the toolbar to export connection profile. If you didn't choose any connection profile from the list, it exports all connection profiles. If a specific connection profile is selected, it exports the selected data.




Click each column header to sort the data in order of letter or number.






^ Connection Profile	
▶	ConnProfile_001
▶	ConnProfile_002
▶	dddddd
▶	Moka_Test_1

Sort data in ascending order



Sort data in descending order

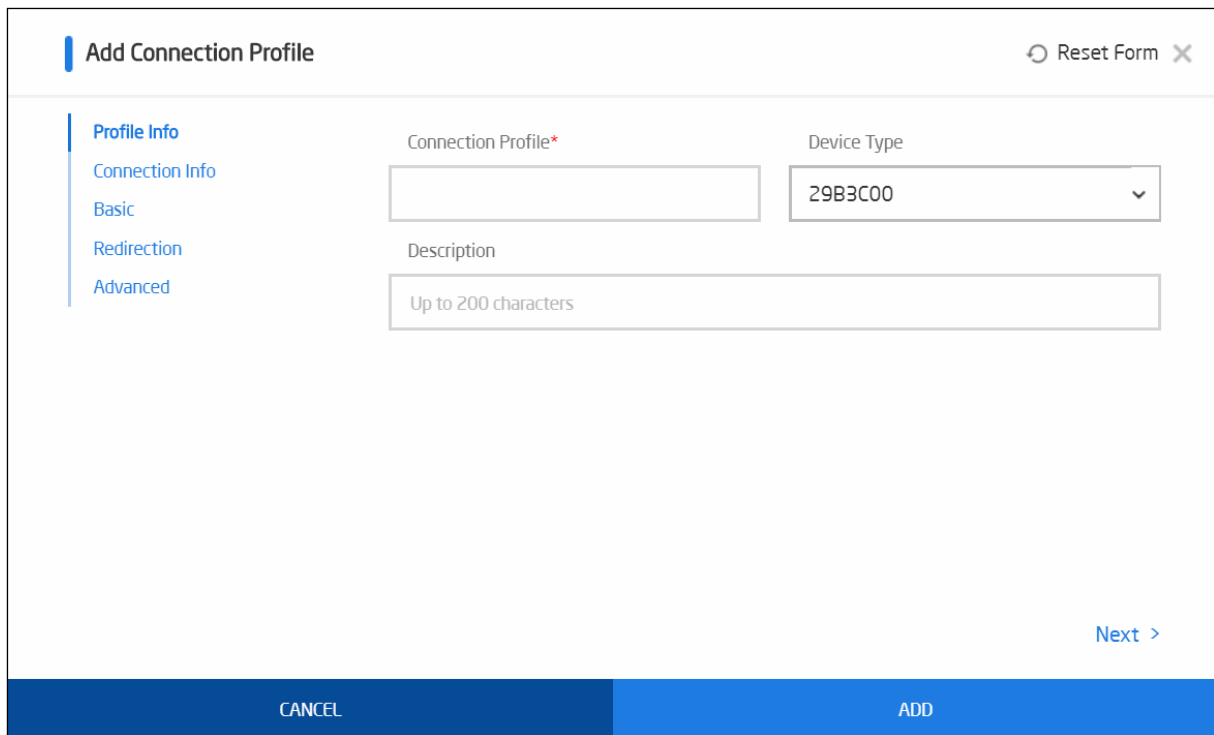
Choose a connection profile in the page and click a toolbar icon at the top of the window    to edit, view, or delete a connection profile.

- Click the edit icon  in the toolbar to edit a connection profile configuration.
- Click the view icon  in the toolbar to view connection profile information.
- Click the delete icon  in the toolbar to delete a connection profile.
- Click the expand icon  in the toolbar to expand and show applied connection profiles and the relating connection information.
- Click the collapse icon  in the toolbar to collapse the expanded connection profile list and its relating connection information.

Right-click a connection profile from the list and it will show a shortcut of editing, viewing, or deleting a connection profile, which is the same as the icons in the toolbar.

You can choose one or more connection profiles at the same time. The active functions (i.e. isn't grayed out) in the toolbar or the shortcut list are different in accordance with different choices and applied group states.


(1) Add Connection Profile



The screenshot shows a web form titled "Add Connection Profile" with a "Reset Form" button in the top right. On the left is a sidebar with tabs: "Profile Info" (selected), "Connection Info", "Basic", "Redirection", and "Advanced". The main form area contains:

- A "Connection Profile*" text input field.
- A "Device Type" dropdown menu with "29B3C00" selected.
- A "Description" text area with a placeholder "Up to 200 characters".
- A "Next >" button in the bottom right.
- A footer bar with "CANCEL" and "ADD" buttons.



Figure 71 Add Connection Profile – Profile Info

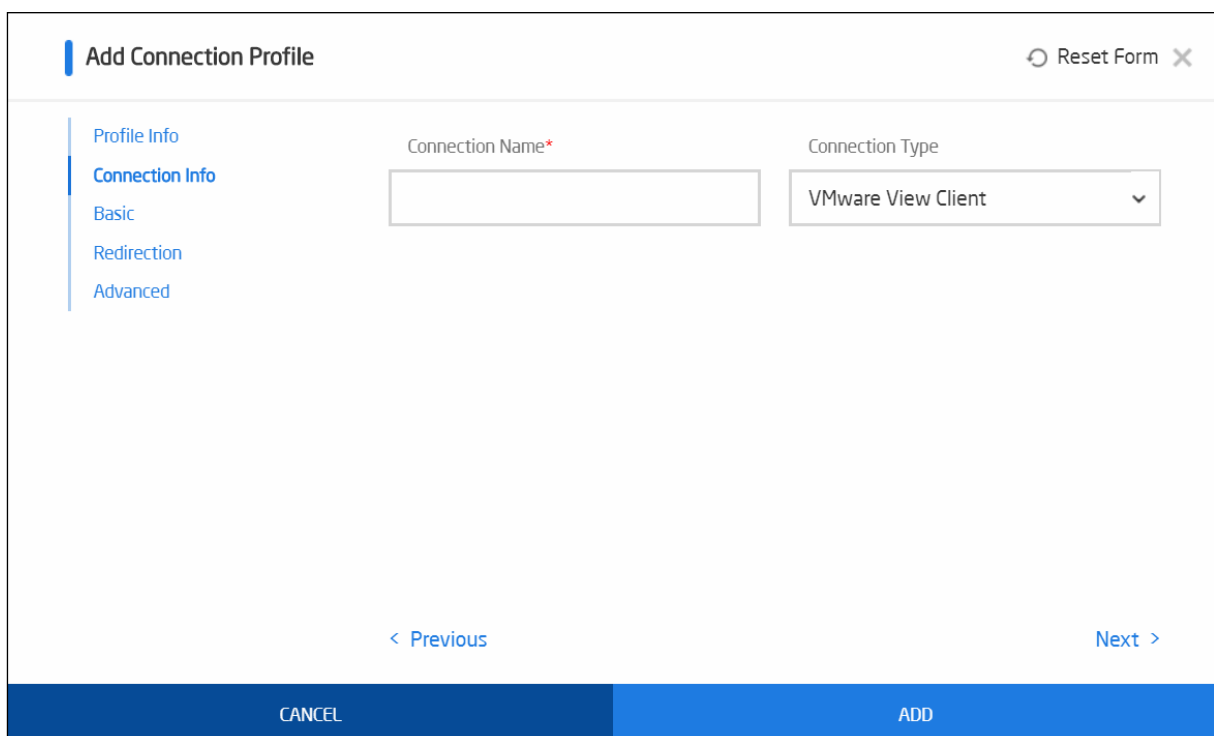
Click the ADD icon  in Connection Profile page to create a new connection profile.

The window will show different configuration content according to the selected **Device Type**. Here uses device type “29B3C00” as the example. Click **Profile Info** or any tab on the left to switch the setting page at any time during the configuration process.

Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured. If a device type has been established and existed in DMS, it will be displayed in the field in sequence.

- **Connection Profile:** You must configure the connection profile name. The length of the name field is 20 characters. Space is not allowed in connection profile name.

- **Device Type:** Select a device type from the drop-down list. This field must be filled in. The drop-down list is generated when devices are registered with the DMS server.
- **Description:** Lets you enter the connection profile description. The length of the description is 200 characters. This field is optional.
- Click **Next >** or the **Connection Info** tab on the left to move to the next setting page.
- Click **ADD** to add the new connection profile and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon  **Reset Form** to reset the page content back to the default state.
- Click **CANCEL** or icon  to restore your previous settings and leave the page.





The screenshot shows the 'Add Connection Profile' form with the 'Connection Info' tab selected. The form contains the following elements:

- Header:** 'Add Connection Profile' on the left and 'Reset Form' with a close icon on the right.
- Navigation:** A vertical sidebar on the left with tabs: 'Profile Info', 'Connection Info' (selected), 'Basic', 'Redirection', and 'Advanced'.
- Fields:**
 - 'Connection Name*' (required text input field)
 - 'Connection Type' (dropdown menu with 'VMware View Client' selected)
- Navigation:** '< Previous' and 'Next >' buttons at the bottom.
- Footer:** 'CANCEL' and 'ADD' buttons at the bottom.

Figure 72 Add Connection Profile – Connection Info

When adding a connection profile, it is required to fill in the connection info. Click **Connection Info** or any tab on the left to switch the setting page at any time during the configuration process.

Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

- **Connection Name:** You must configure the connection name. The length of the name field is 20 characters. Space is not allowed in connection name.
- **Connection Type:** Select a connection type from the drop-down list - VMware View Client, Citrix Receiver, and RDP Client. The list shows different configuration content according to the selected device type. This field must be chosen.
- Click **Next >** or the **Basic** tab on the left to move to the next setting page.
- Click **< Previous** or the **Profile Info** tab on the left to move back to the previous setting page.
- Click **ADD** to add the new connection profile and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon  **Reset Form** to reset the page content back to the default state and the first setting page.
- Click **CANCEL** or icon  to restore your previous settings and leave the page.

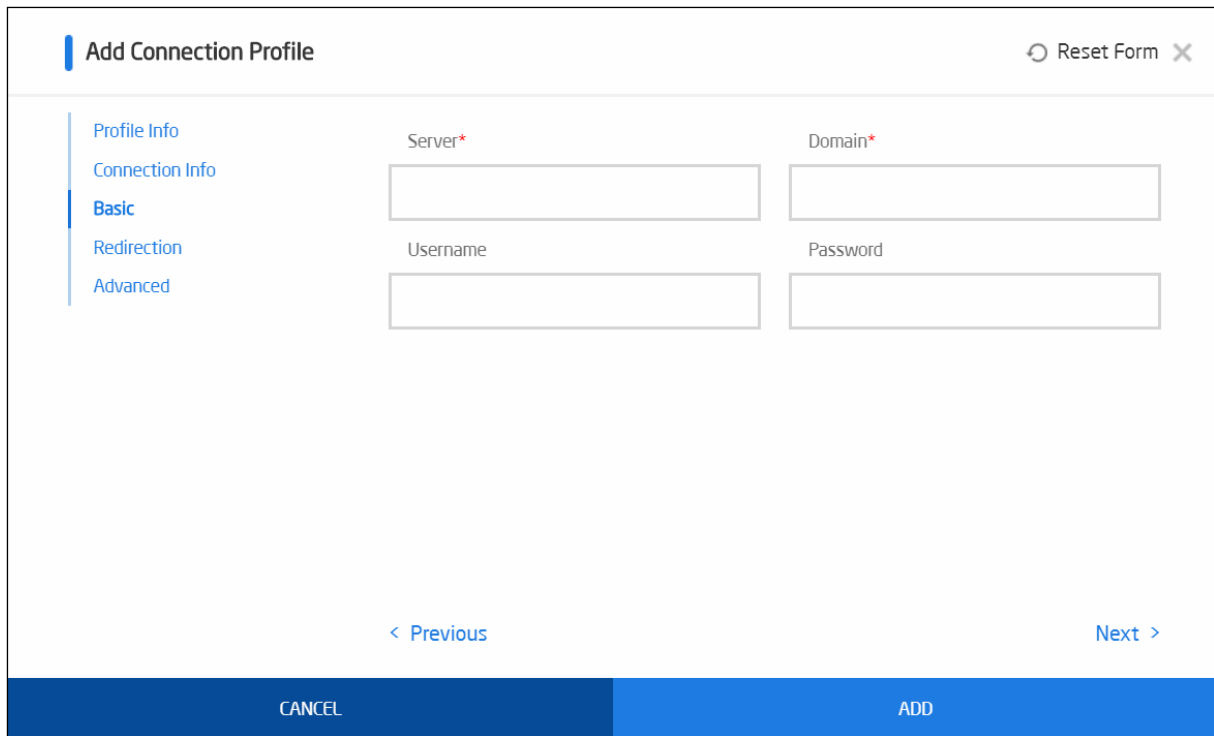




Figure 73 Add Connection Profile - Basic

The Basic setting window allows you to configure basic connection information: server address, domain, user name and password, according to the **Connection Type** you chose in **Connection Info**. Click **Basic** or any tab on the left to switch the setting page at any time during the configuration process.

Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

- **Server:** Configure server address. This field must be filled in. Space is not allowed in server address field.
- **Domain:** Configure the server domain name. This field must be filled in. Space is not allowed in domain name.
- **Username:** Enter connection user name if you would like to configure this setting previously.
- **Password:** Enter connection password if you would like to configure this setting previously.

- Click **Next >** or the **Redirection** tab on the left to move to the next setting page.
- Click **< Previous** or the **Connection Info** tab on the left to move back to the previous setting page.
- Click **ADD** to add the new connection profile and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon  **Reset Form** to reset the page content back to the default state and the first setting page.
- Click **CANCEL** or icon  to restore your previous settings and leave the page.

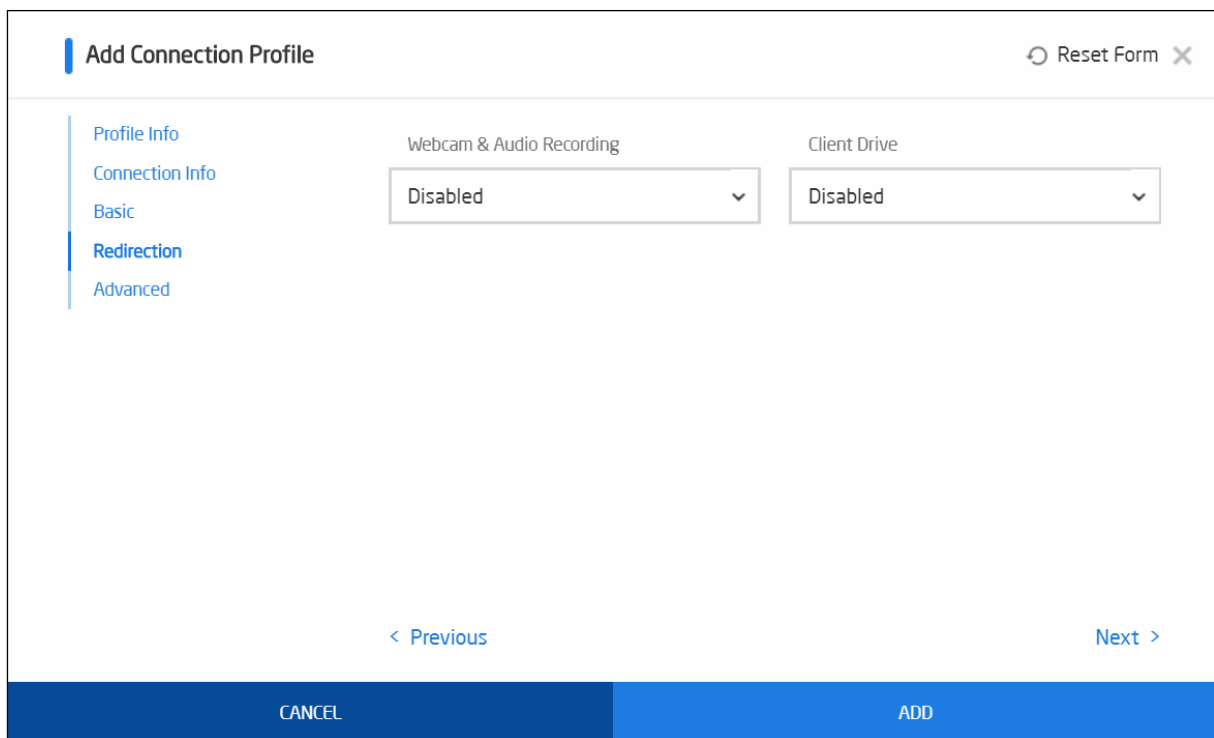




Figure 74 Add Connection Profile - Redirection

The Redirection setting window allows you to configure webcam & audio recording and client drive device redirection, according to the **Connection Type** you chose in **Connection Info**. Click **Redirection** or any tab on the left to switch the setting page at any time during the configuration process.

Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

- Webcam & Audio Recording: Select Disable or Enable from the drop-down list. This field must be configured.
- Client Drive: Select Disable or Enable from the drop-down list. This field must be configured.
- Click **Next >** or the **Advanced** tab on the left to move to the next setting page.
- Click **< Previous** or the **Basic** tab on the left to move back to the previous setting page.
- Click **ADD** to add the new connection profile and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon  **Reset Form** to reset the page content back to the default state and the first setting page.
- Click **CANCEL** or icon  to restore your previous settings and leave the page.

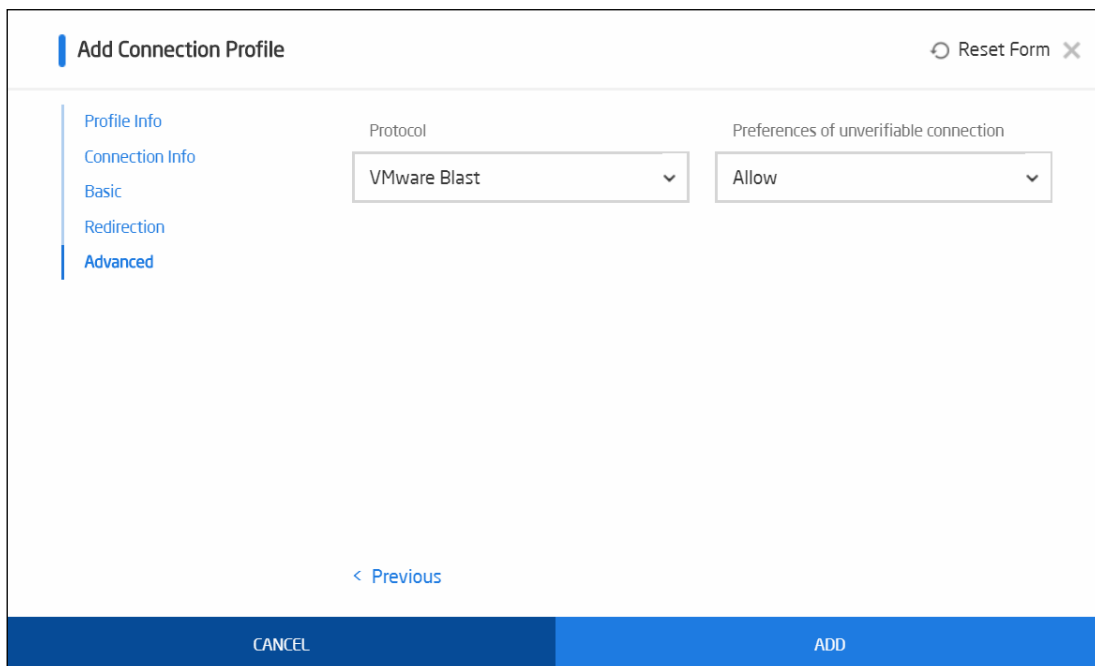





Figure 75 Add Connection Profile - Advanced

The Advanced setting window allows you to configure advanced settings, according to the **Connection Type** you chose in **Connection Info**. Click **Advanced** or any tab on the left to switch the setting page at any time during the configuration process.

Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

- Protocol: Select VMware Blast, PCoIP, or Microsoft RDP from the drop-down list. This field must be configured.
- Preferences of unverifiable connection: Select Allow, Warning, or Reject from the drop-down list. This field must be configured.
- Click **< Previous** or the **Redirection** tab on the left to move back to the previous setting page.
- Click **ADD** to add the new connection profile and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon  **Reset Form** to reset the page content back to the default state and the first setting page.
- Click **CANCEL** or icon  to restore your previous settings and leave the page.

(2) View Connection Profile


View Connection Profile
 Delete Item ×

Profile Info

Connection Profile	Device Type
011_ConnProfile	29B3C00
Description	
Test Description -- Connection Profile : 11	
Group (0)	Connection
No Group Data	7
Create Time	Edit Time
2019.06.03 00:11 by 0008	2019.06.03 00:11 by 0008



EDIT
CLOSE



Figure 76 View Connection Profile - 1

Choose a connection profile from the list and click the view icon  in the toolbar to view connection profile configuration information. You can also right-click a connection profile from the list to show the **View** option.

The window will show different configuration content according to the selected **Device Type**. Here uses device type “29B3C00” as the example.

The window shows connection profile information, including connection profile name, device type, description, applied group number and list, connection number, added and edited date.

- If a connection profile is applied to a group, a message **This item is used by group.** is displayed. Click the Expand icon  to expand and show applied group list. Click the Leave icon  to collapse the expanded group list.

- Click **CLOSE** or icon  to close and return to connection profile window.
- Click **EDIT** to enter the connection profile editing window.
- Click the **Delete Item** icon  **Delete Item** to delete the connection profile item. If the item was applied to a group, you are not allowed to delete it.

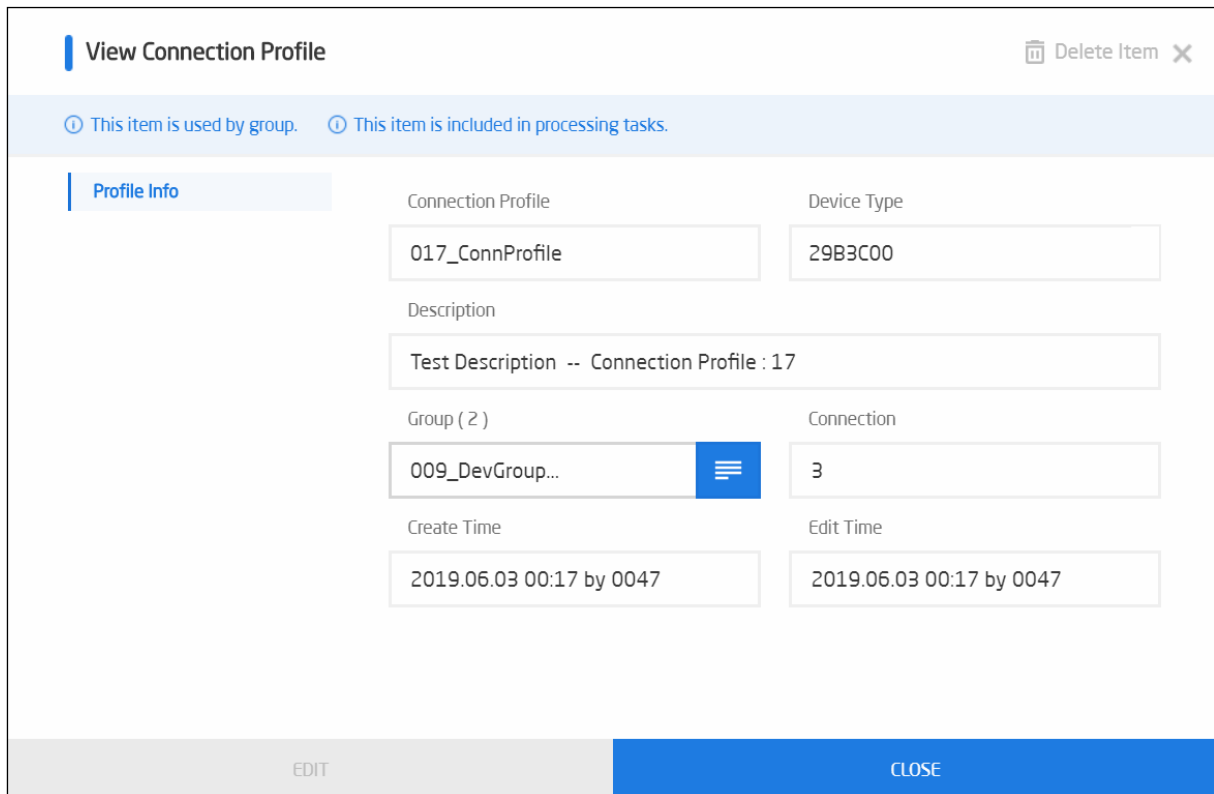




Figure 77 View Connection Profile - 2

If the viewed connection profile is processing tasks, it will show **This item is included in processing tasks**. You can only view the processing task details but cannot edit or delete it.

If a profile is applied to a group, a message **This item is used by group**. is displayed. Click the Expand icon  to expand and show applied group list. Click the Leave icon  to collapse the expanded group list.

Click **CLOSE** or icon  to close the view page.

(3) Edit Connection Profile

You can only edit a connection profile which is not performing a task. If a connection profile is applied to one or more groups, and there is no group in performing a task, DMS will display the new task in Task window after adding or editing a connection data in a connection profile. Performing the task will apply the changed connection profile to all devices in the group(s).

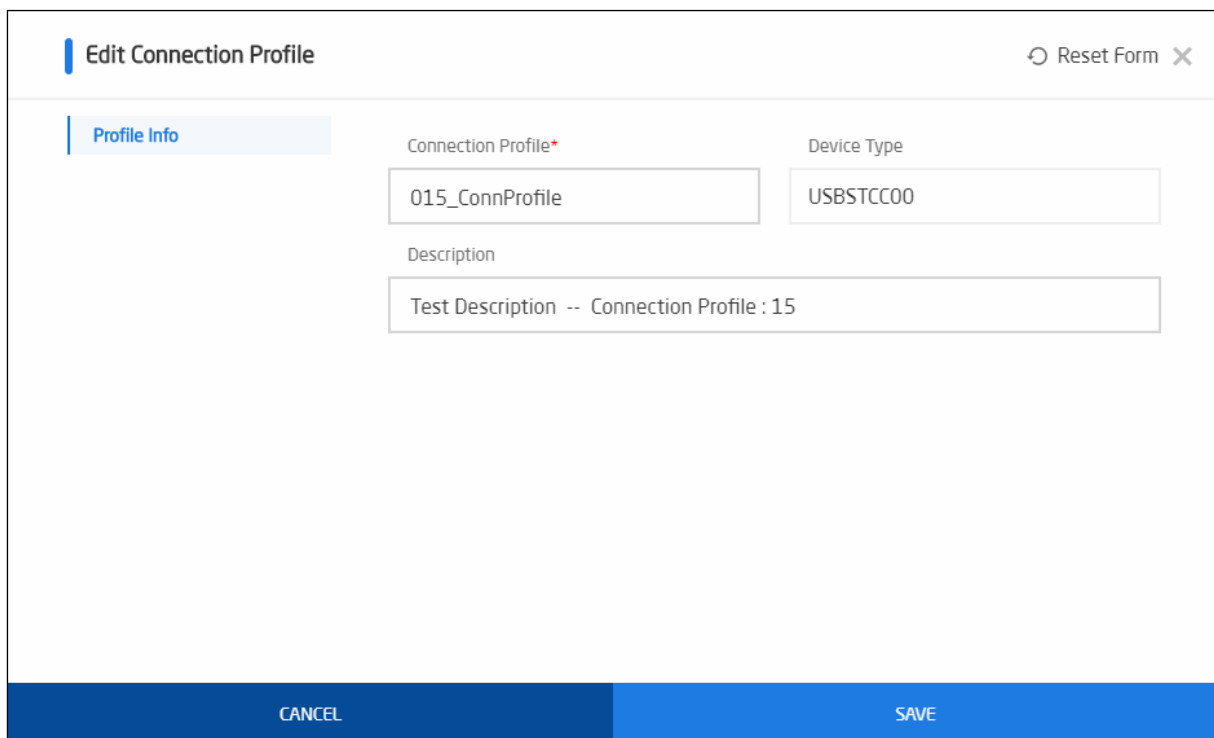





Figure 78 Edit Connection Profile

Choose a connection profile from the list and click the edit icon  in the toolbar to edit connection profile configuration. You can also right-click a connection profile from the list to show the **Edit** option.

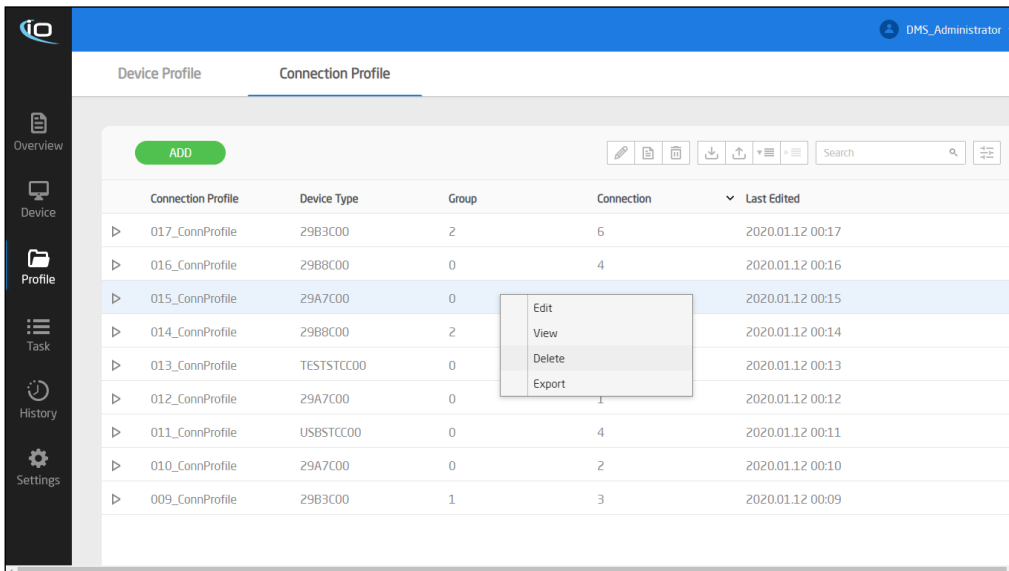
Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

- **Connection Profile:** You must configure the connection profile name. The length of the name field is 20 characters. Space is not allowed in connection profile name.

- **Device Type:** This field is read only and cannot be modified.
- **Description:** Lets you enter the connection profile description. The length of the description is 200 characters. This field is optional.
- Click **SAVE** to save the changes and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon  **Reset Form** to reset the page content back to the unedited state.
- Click **CANCEL** or icon  to restore your previous settings and return to the connection profile window.


(4) Delete Connection Profile

You can only delete a connection profile which is not assigned to any group. When a connection profile is assigned to a group, you can only view the connection profile information.



Connection Profile	Device Type	Group	Connection	Last Edited
▶ 017_ConnProfile	29B3C00	2	5	2020.01.12 00:17
▶ 016_ConnProfile	29B8C00	0	4	2020.01.12 00:16
▶ 015_ConnProfile	29A7C00	0		2020.01.12 00:15
▶ 014_ConnProfile	29B8C00	2		2020.01.12 00:14
▶ 013_ConnProfile	TESTSTCC00	0		2020.01.12 00:13
▶ 012_ConnProfile	29A7C00	0	1	2020.01.12 00:12
▶ 011_ConnProfile	USBSTCC00	0	4	2020.01.12 00:11
▶ 010_ConnProfile	29A7C00	0	2	2020.01.12 00:10
▶ 009_ConnProfile	29B3C00	1	3	2020.01.12 00:09

Figure 79 Delete Connection Profile

Choose a connection profile from the list and click the delete icon  in the toolbar to delete the selected connection profile. You can also right-click a connection profile from the list to show the **Delete** option.

A confirmation dialogue appears. Click **Cancel** to leave the window without changes or click **Delete** to confirm the deletion.

(5) Connections in Connection Profile

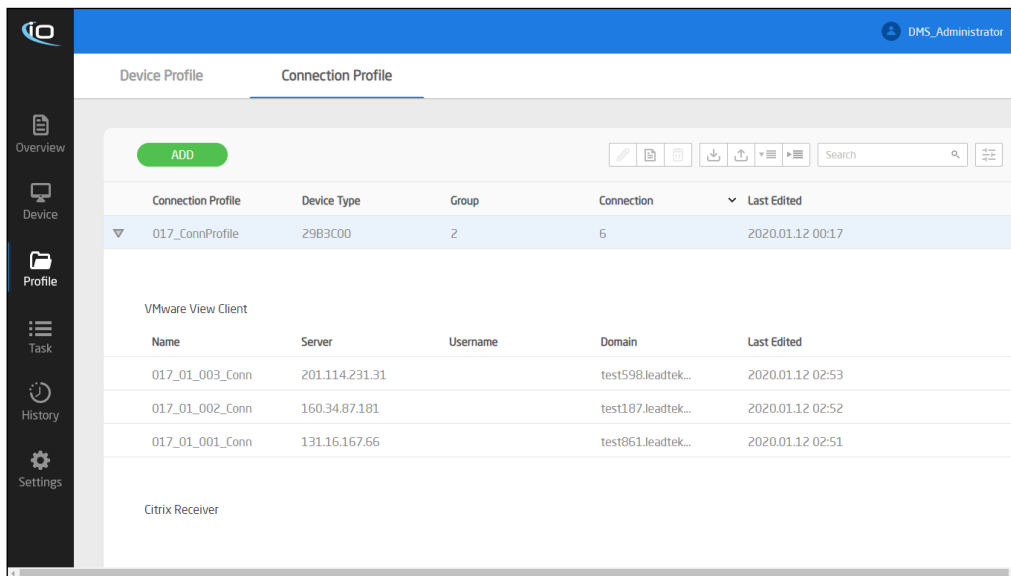











Figure 80 Expand Connection Profile information

Choose a connection profile from the list. Double-click left mouse button or click the icon  on the left to expand and show the connection profile list. Double-click left mouse button again or click the icon  on the left to collapse the expanded connection profile list.

Connection profile list shows the details of connection information in the profile, including each connection's type (e.g. VMware View Client, Citrix Receiver, or RDP Client), corresponding connection name, server address, user name, domain name, and the last edited time.

Click the add icon  in an expanded connection profile to add a new connection in the connection profile.

Choose a connection item in the list and click a toolbar icon at the top of the window    to edit, view, and delete data.

- Click the edit icon  in the toolbar to edit connection data.
- Click the view icon  in the toolbar to view connection data.
- Click the delete icon  in the toolbar to delete connection data.

Right-click a connection item from the list and it will show a shortcut list of editing, viewing, and deleting connection data, which is the same as the icons in the toolbar.

RDP Client

Name	Server	User Name	Domain	Last Edited
1111111111	1111111111	1111111111	<div style="border: 1px solid gray; padding: 2px;"> Edit View Delete </div>	2018.04.14 14:07
1111111112	1111111112	1111111112		2018.04.14 14:50
1111111113	1111111113	1111111113		2018.04.14 14:50

You can choose one or more connection items in a connection profile. The active functions (i.e. isn't grayed out) in the toolbar or the shortcut list are different in accordance with different choices and applied group states.

View Connection
🗑️ Delete Item ✕

Profile Info

Basic

Redirection


Advanced

Connection Name	Connection Type
012_01_001_Conn	VMware View Client
Create Time	Edit Time
2019.06.03 02:01 by 26	2019.06.03 02:01 by 26

[Next >](#)



EDIT
CLOSE

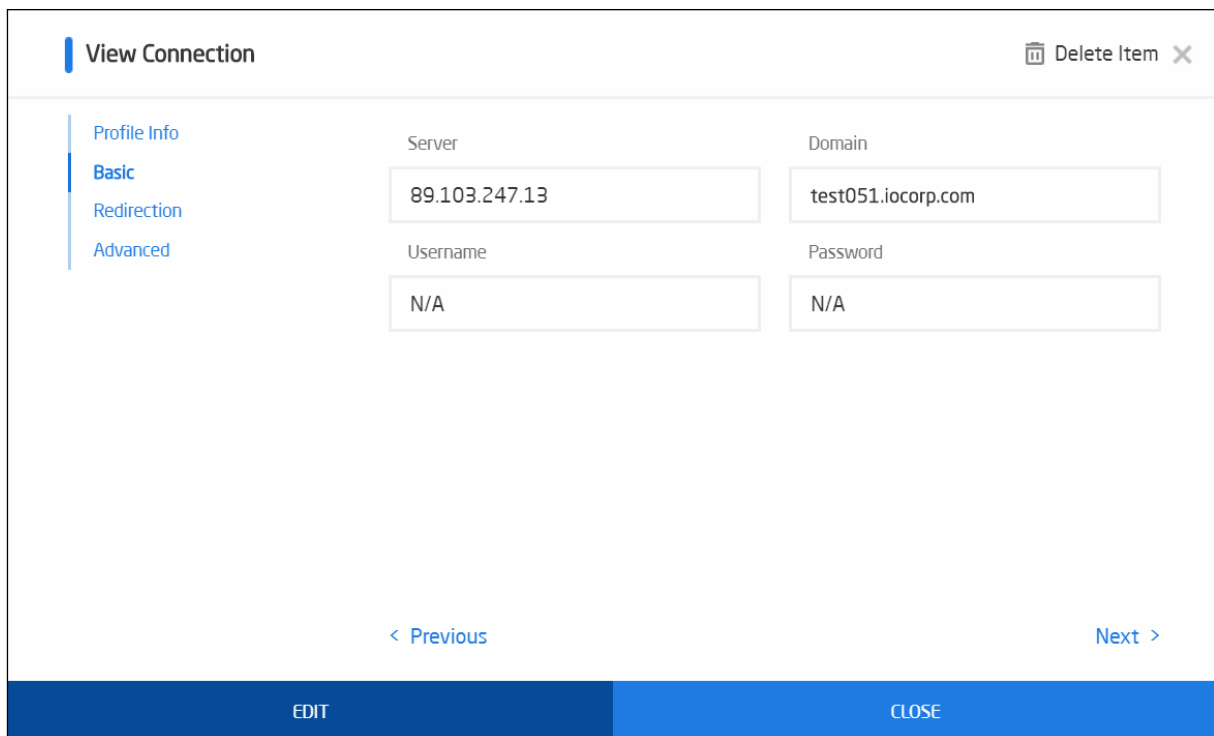
Figure 81 View Connection – Profile Info

Choose a connection item from the list and click the view icon  in the toolbar to view connection configuration information. You can also right-click a connection item from the list to show the **View** option.

The window will show different configuration content according to the selected **Connection Type**. Here uses connection type “VMware View Client” as the example.

The window shows profile information, including connection name, connection type, added and edited date.



- Click **Next >** or the **Basic** tab on the left to move to the next setting page.
- Click **CLOSE** or icon  to close and return to connection window.
- Click **EDIT** to enter the connection editing window.
- Click the **Delete Item** icon  **Delete Item** to delete the connection item. If the item was applied to a group, you are not allowed to delete it.



Field	Value
Server	89.103.247.13
Domain	test051.iocorp.com
Username	N/A
Password	N/A

Figure 82 View Connection - Basic

The window will show configuration content of basic settings.

- Click **Next >** or the **Redirection** tab on the left to move to the next setting page.
- Click **< Previous** or the **Profile Info** tab on the left to move back to the previous setting page.
- Click **CLOSE** or icon  to close and return to connection window.
- Click **EDIT** to enter the connection editing window.
- Click the **Delete Item** icon  **Delete Item** to delete the connection item. If the item was applied to a group, you are not allowed to delete it.

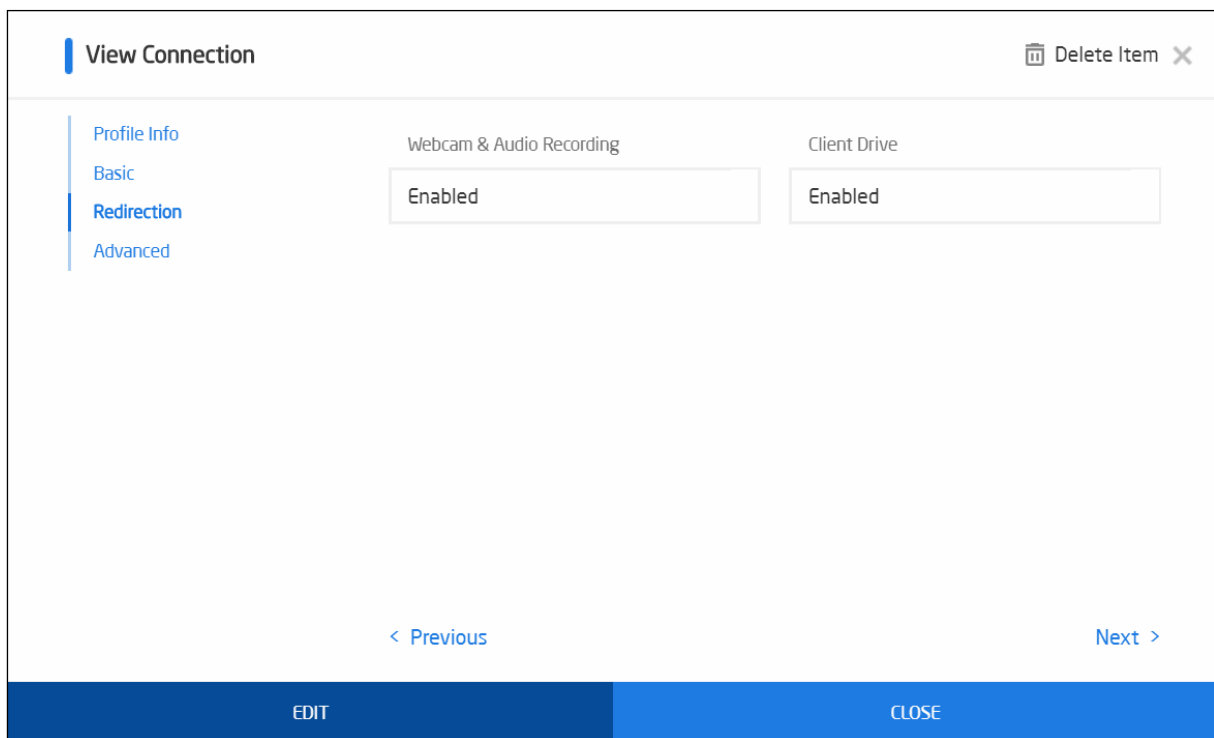




Figure 83 View Connection - Redirection

The window will show configuration content of redirection settings.

- Click **Next >** or the **Advanced** tab on the left to move to the next setting page.
- Click **< Previous** or the **Basic** tab on the left to move back to the previous setting page.
- Click **CLOSE** or icon  to close and return to connection window.

- Click **EDIT** to enter the connection editing window.
- Click the **Delete Item** icon  **Delete Item** to delete the connection item. If the item was applied to a group, you are not allowed to delete it.

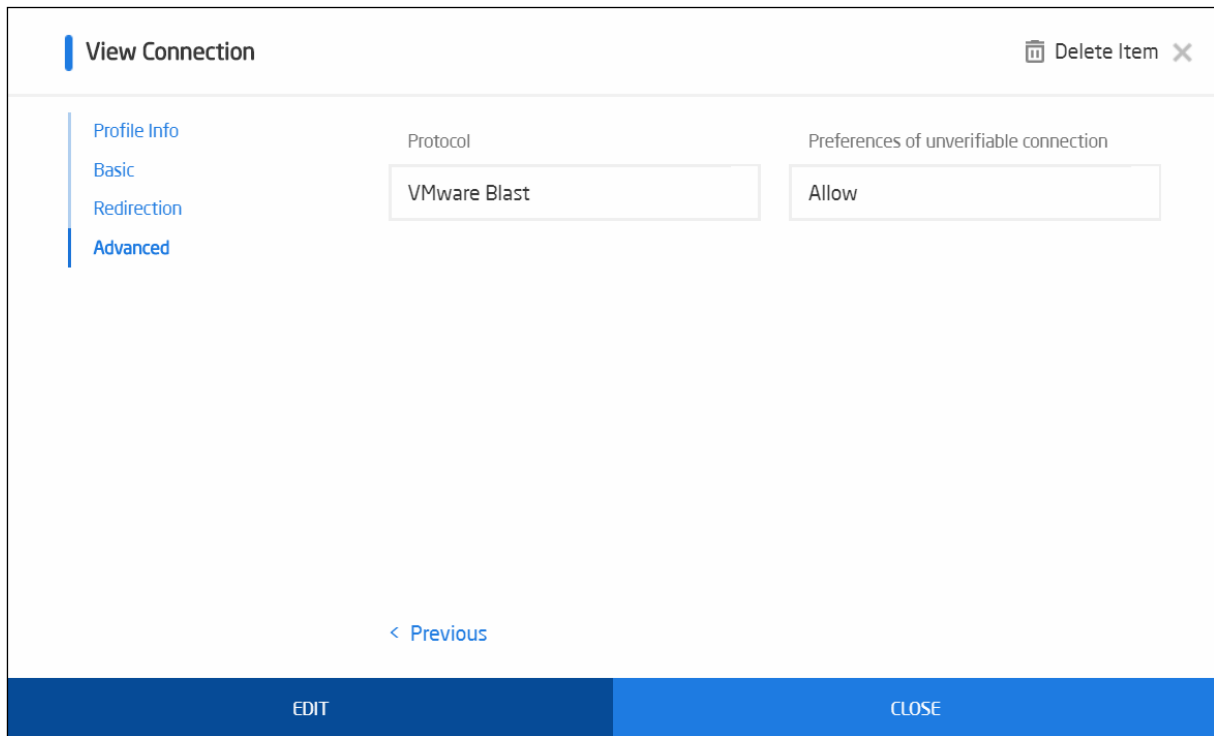




Figure 84 View Connection - Advanced

The window will show configuration content of advanced settings.

- Click **< Previous** or the **Redirection** tab on the left to move back to the previous setting page.
- Click **CLOSE** or icon  to close and return to connection window.
- Click **EDIT** to enter the connection editing window.
- Click the **Delete Item** icon  **Delete Item** to delete the connection item. If the item was applied to a group, you are not allowed to delete it.

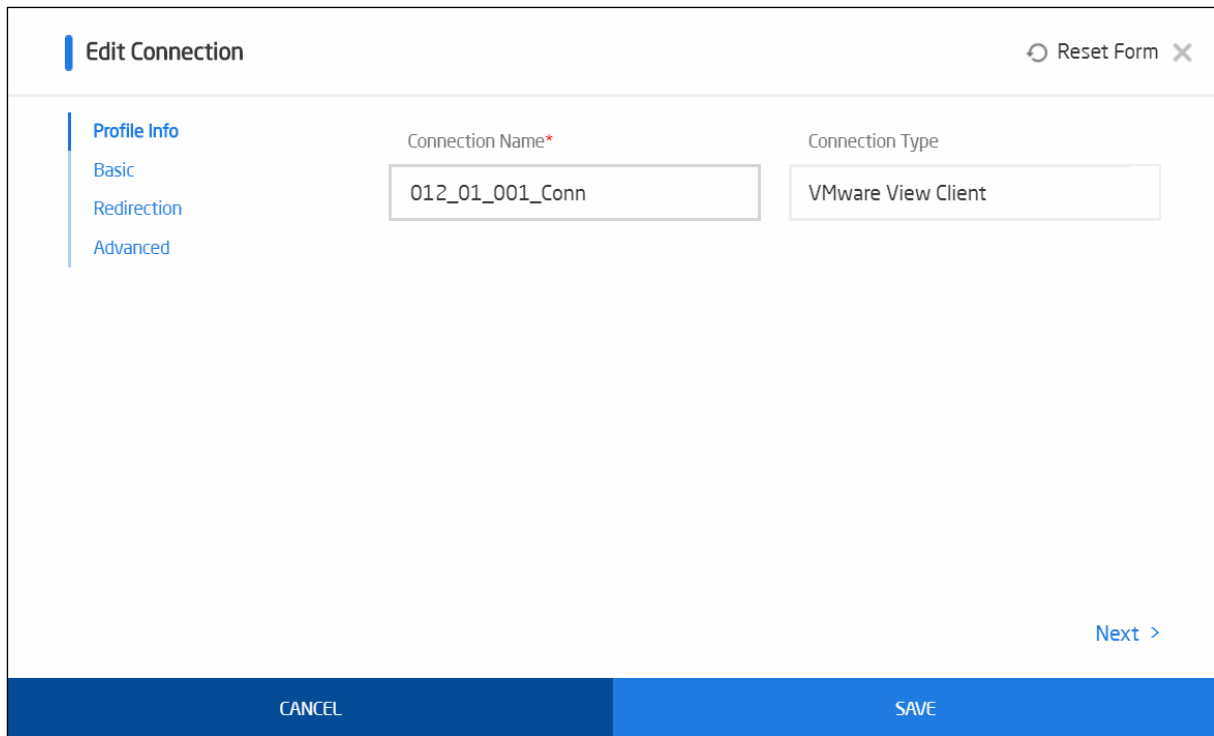



Figure 85 Edit Connection – Profile Info



Choose a connection item from the list and click the edit icon  in the toolbar to edit connection configuration information. You can also right-click a connection item from the list to show the **Edit** option.

The window will show different configuration content according to the selected **Connection Type**. Here uses connection type “VMware View Client” as the example.

Click **Profile Info** or any tab on the left to switch the setting page at any time during the configuration process.

Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

- **Connection Name:** You must configure the connection name. The length of the name field is 20 characters. Space is not allowed in connection name.
- **Connection Type:** This field is read only and cannot be modified.

- Click **Next >** or the **Basic** tab on the left to move to the next setting page.
- Click **Save** to save the changes and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon  **Reset Form** to reset the page content back to the unedited state.
- Click **CANCEL** or icon  to close the page and return to the connection profile window.

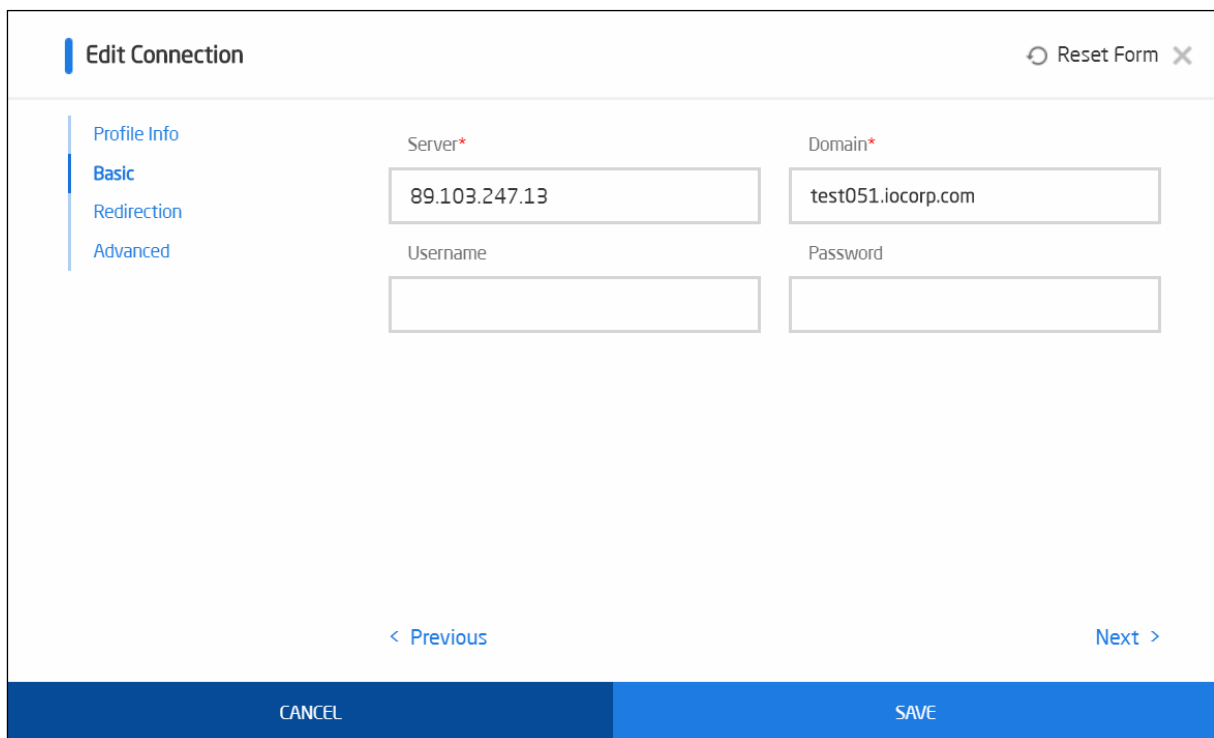


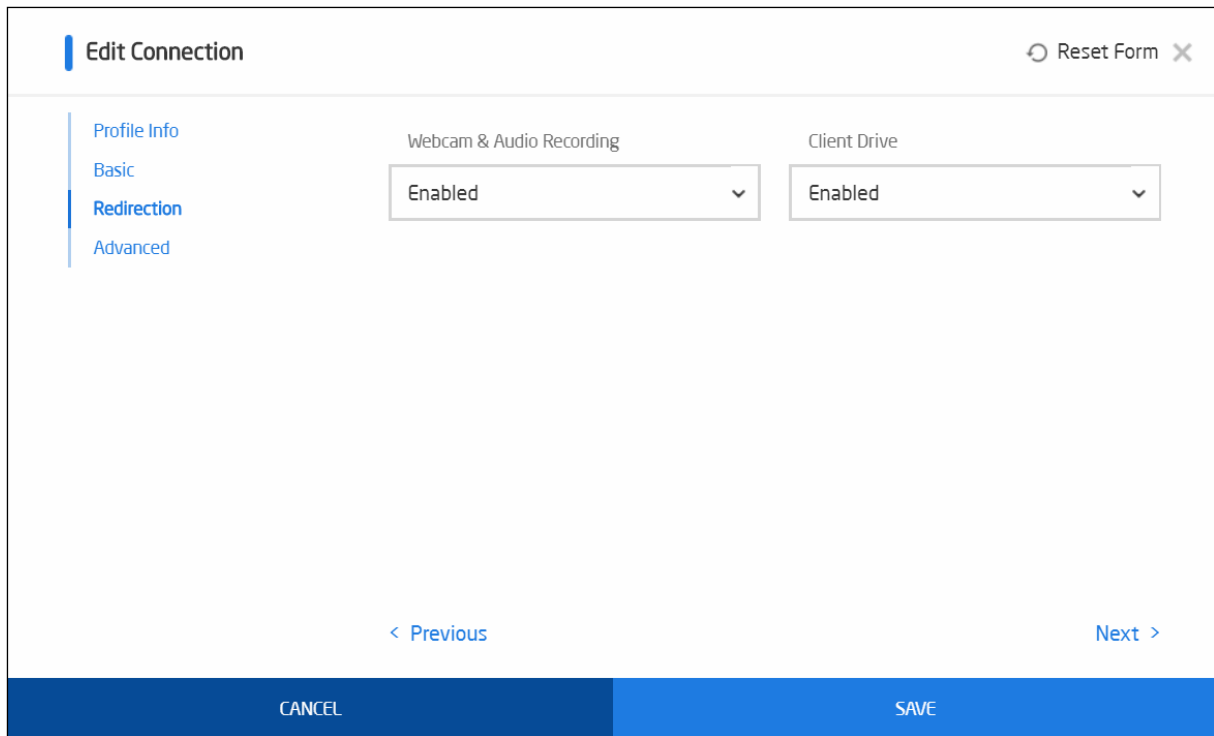


Figure 86 Edit Connection - Basic

Click **Basic** or any tab on the left to switch the setting page at any time during the configuration process.

Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

- **Server:** Configure server address. This field must be filled in. Space is not allowed in server address.
- **Domain:** Configure the server domain name. This field must be filled in. Space is not allowed in domain name.
- **Username:** Enter connection user name if you would like to configure this setting previously.
- **Password:** Enter connection password if you would like to configure this setting previously.
- Click **Next >** or the **Redirection** tab on the left to move to the next setting page.
- Click **< Previous** or the **Profile Info** tab on the left to move back to the previous setting page.
- Click **Save** to save the changes and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon  **Reset Form** to reset the page content back to the unedited state.
- Click **CANCEL** or icon  to restore your previous settings and leave the page.





The screenshot shows the 'Edit Connection' page with the 'Redirection' tab selected. The sidebar on the left contains the following tabs: Profile Info, Basic, Redirection (highlighted), and Advanced. The main content area features two dropdown menus: 'Webcam & Audio Recording' and 'Client Drive', both currently set to 'Enabled'. Navigation options include '< Previous' and 'Next >'. The bottom of the page has a dark blue bar with 'CANCEL' and 'SAVE' buttons.

Figure 87 Edit Connection - Redirection

Click **Redirection** or any tab on the left to switch the setting page at any time during the configuration process.

Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

- Webcam & Audio Recording: Select Disable or Enable from the drop-down list. This field must be configured.
- Client Drive: Select Disable or Enable from the drop-down list. This field must be configured.
- Click **Next >** or the **Advanced** tab on the left to move to the next setting page.
- Click **< Previous** or the **Basic** tab on the left to move back to the previous setting page.
- Click **Save** to save the changes and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.

- Click the **Reset Form** icon  **Reset Form** to reset the page content back to the unedited state.
- Click **CANCEL** or icon  to restore your previous settings and leave the page.

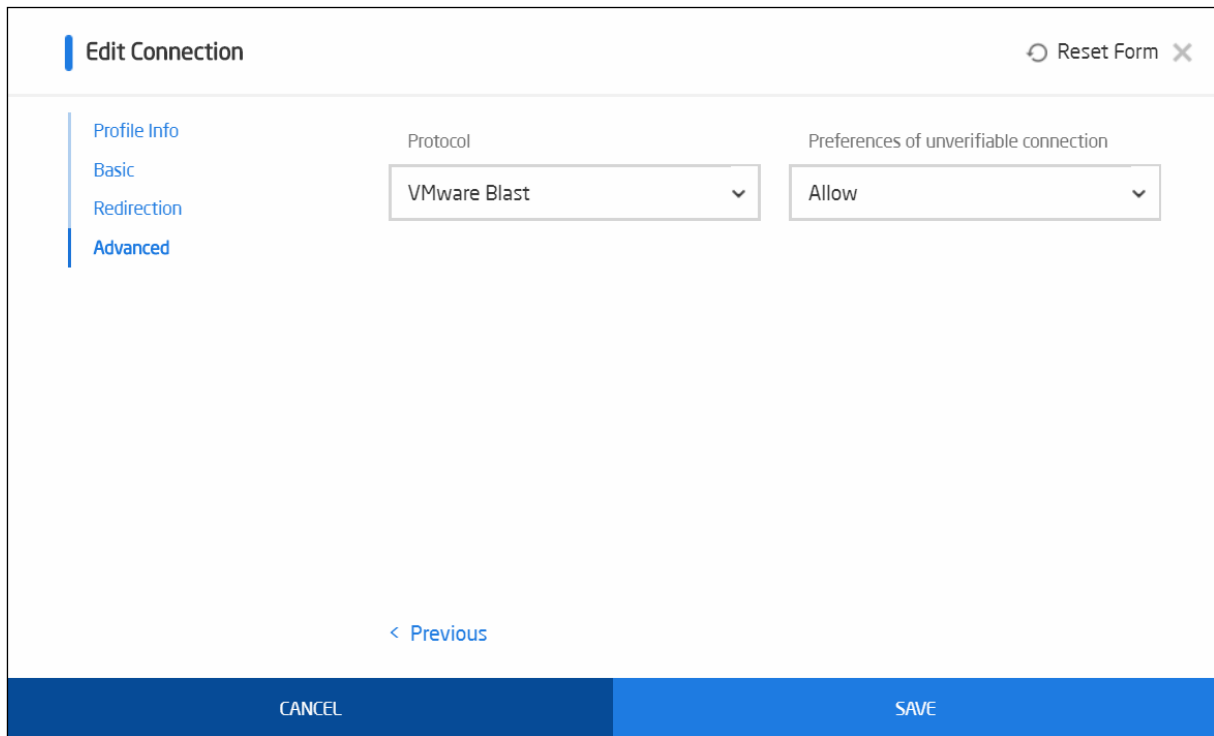




Figure 88 Edit Connection - Advanced

Click **Advanced** or any tab on the left to switch the setting page at any time during the configuration process.

Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

- Protocol: Select VMware Blast, PCoIP, or Microsoft RDP from the drop-down list. This field must be configured.
- Preferences of unverifiable connection: Select Allow, Warning, or Reject from the drop-down list. This field must be configured.
- Click **< Previous** or the **Redirection** tab on the left to move back to the previous setting page.

- Click **Save** to save the changes and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon  **Reset Form** to reset the page content back to the unedited state.
- Click **CANCEL** or icon  to restore your previous settings and leave the page.

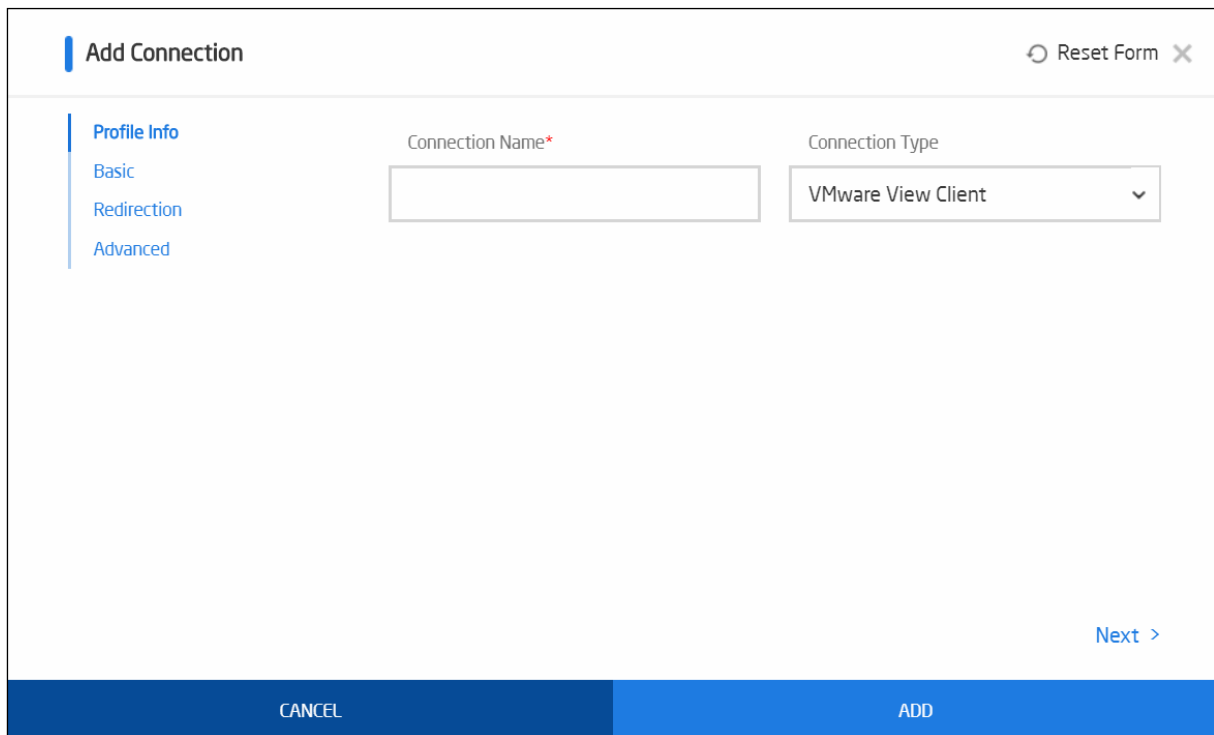





Figure 89 Add Connection - Profile Info

Click the add icon  in an expanded connection profile to create a new connection in this particular connection profile.

The window will show different configuration content according to the selected **Connection Type**. Here uses connection type “VMware View Client” as the example.

Click **Profile Info** or any tab on the left to switch the setting page at any time during the configuration process.

Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

- **Connection Name:** You must configure the connection name. The length of the name field is 20 characters. Space is not allowed in connection name.
- **Connection Type:** Select a connection type from the drop-down list - VMware View Client, Citrix Receiver, and RDP Client. Different options are available depending on the device type you select. This field must be chosen.
- Click **Next >** or the **Basic** tab on the left to move to the next setting page.
- Click **ADD** to add the new connection info and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the Reset Form icon  **Reset Form** to reset the page content back to the unedited state and the first setting page.
- Click **CANCEL** or icon  to restore your previous settings and leave the page.

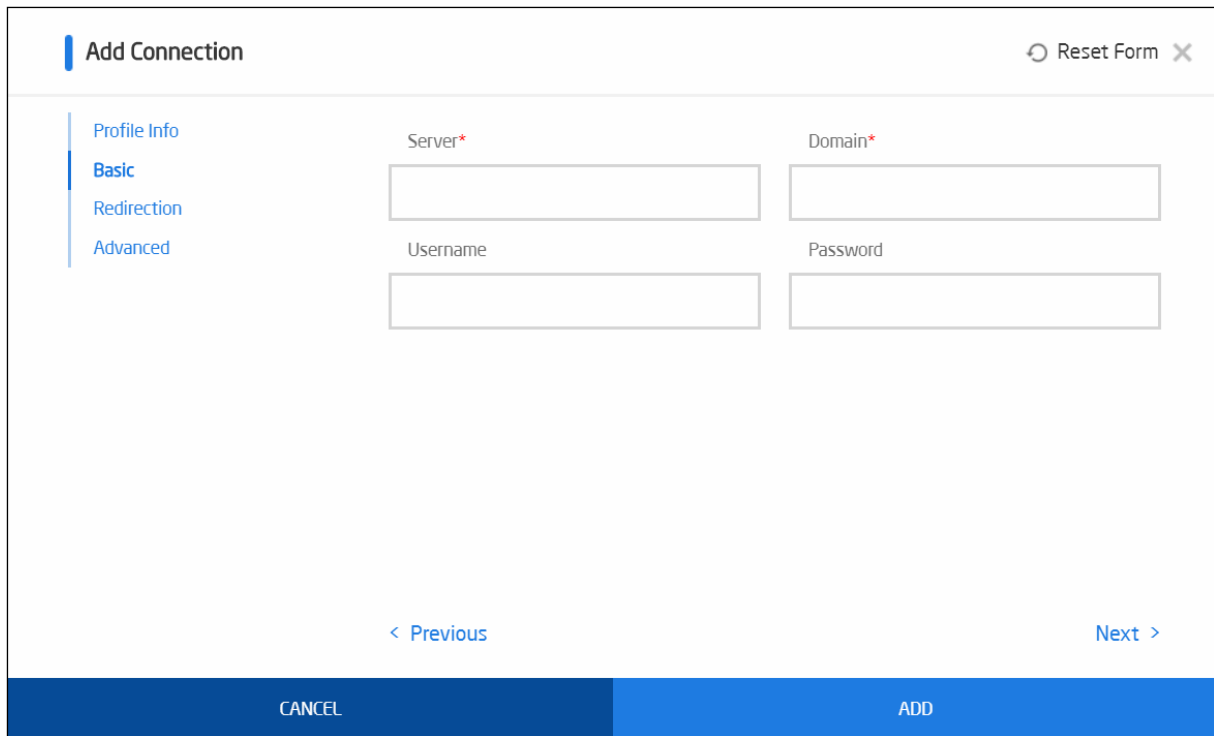




Figure 90 Add Connection - Basic

Click **Basic** or any tab on the left to switch the setting page at any time during the configuration process.

Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

- **Server:** Configure server address. This field must be filled in. Space is not allowed in server address.
- **Domain:** Configure the server domain name. This field must be filled in. Space is not allowed in domain name.
- **Username:** Enter connection user name if you would like to configure this setting previously.
- **Password:** Enter connection password if you would like to configure this setting previously.
- Click **Next >** or the **Redirection** tab on the left to move to the next setting page.

- Click **< Previous** or the **Profile Info** tab on the left to move back to the previous setting page.
- Click **ADD** to add the new connection info and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the Reset Form icon  **Reset Form** to reset the page content back to the unedited state and the first setting page.
- Click **CANCEL** or icon  to restore your previous settings and leave the page.

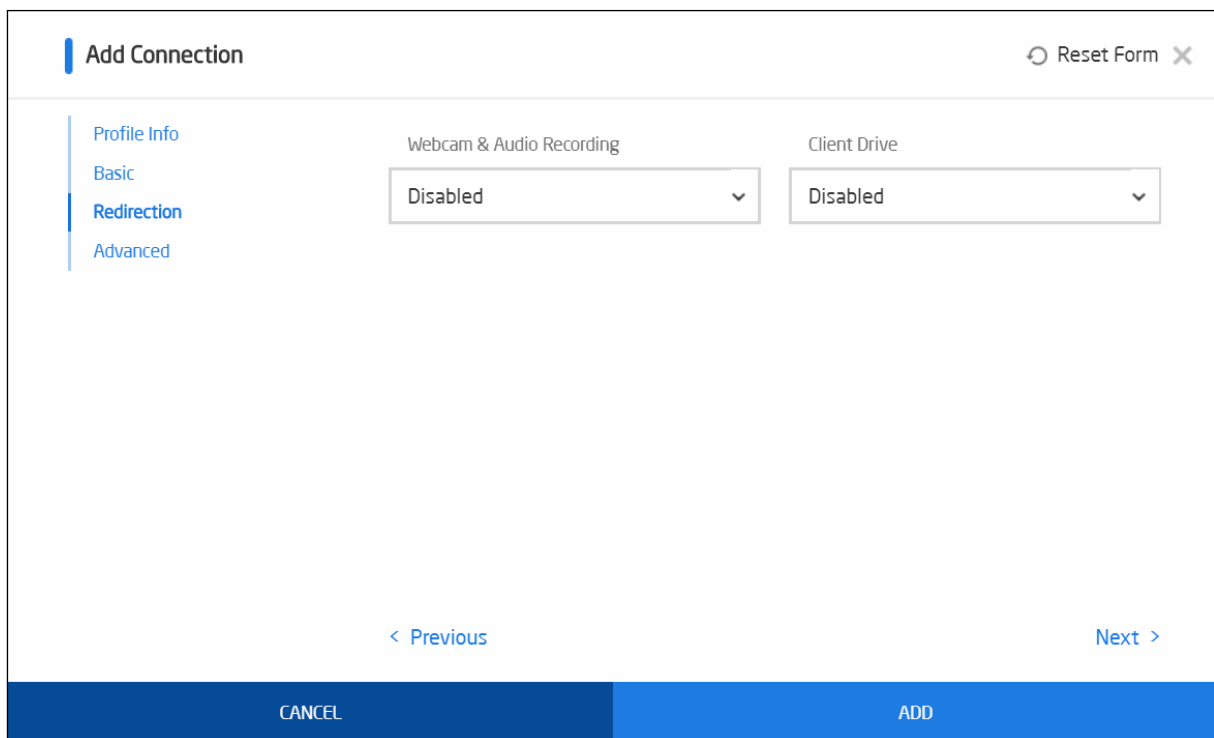


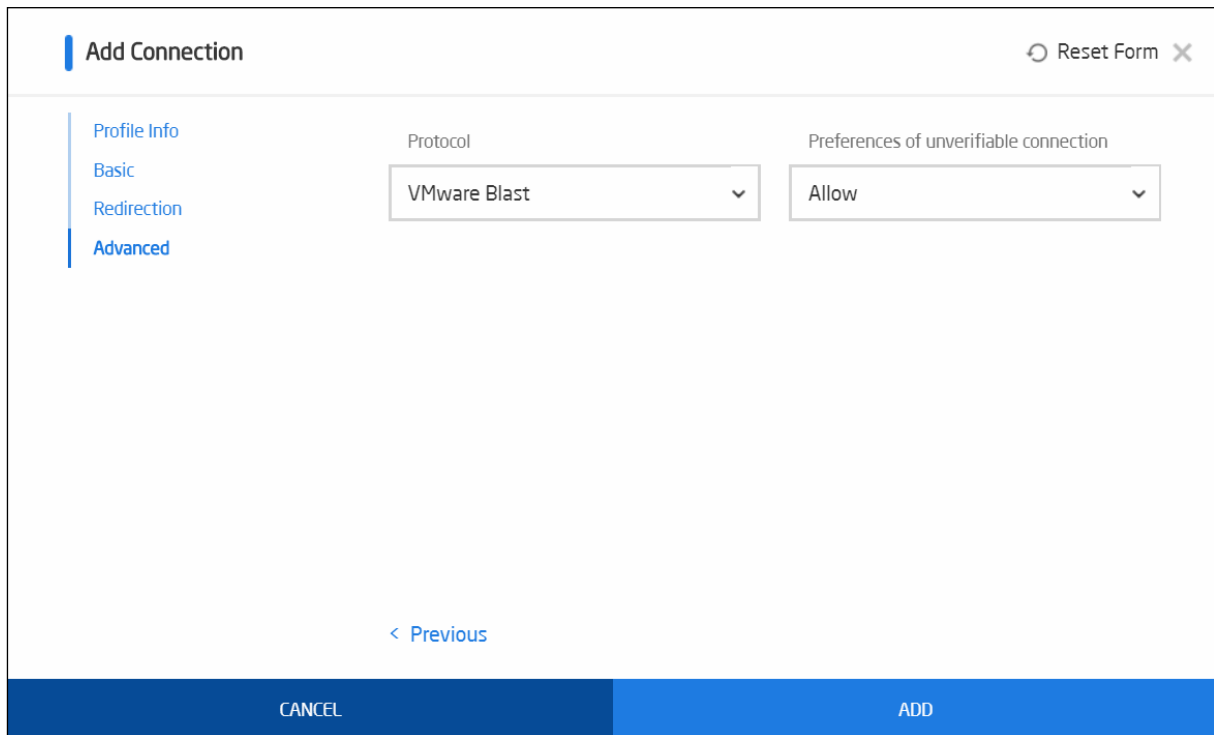


Figure 91 Add Connection - Redirection

Click **Redirection** or any tab on the left to switch the setting page at any time during the configuration process.

Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

- Webcam & Audio Recording: Select Disable or Enable from the drop-down list. This field must be configured.
- Client Drive: Select Disable or Enable from the drop-down list. This field must be configured.
- Click **Next >** or the **Advanced** tab on the left to move to the next setting page.
- Click **< Previous** or the **Basic** tab on the left to move back to the previous setting page.
- Click **ADD** to add the new connection info and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the Reset Form icon  **Reset Form** to reset the page content back to the unedited state and the first setting page.
- Click **CANCEL** or icon  to restore your previous settings and leave the page.





The screenshot shows the 'Add Connection' interface in the 'Advanced' tab. The title bar includes 'Add Connection' and a 'Reset Form' button with a close icon. On the left, a sidebar lists navigation options: 'Profile Info', 'Basic', 'Redirection', and 'Advanced' (highlighted). The main area contains two dropdown menus: 'Protocol' (set to 'VMware Blast') and 'Preferences of unverifiable connection' (set to 'Allow'). At the bottom, there are 'CANCEL' and 'ADD' buttons. A '< Previous' link is also visible above the buttons.

Figure 92 Add Connection - Advanced

Click **Advanced** or any tab on the left to switch the setting page at any time during the configuration process.

Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

- Protocol: Select VMware Blast, PCoIP, or Microsoft RDP from the drop-down list. This field must be configured.
- Preferences of unverifiable connection: Select Allow, Warning, or Reject from the drop-down list. This field must be configured.
- Click **< Previous** or the **Redirection** tab on the left to move back to the previous setting page.
- Click **ADD** to add the new connection info and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the Reset Form icon  **Reset Form** to reset the page content back to the unedited state and the first setting page.
- Click **CANCEL** or icon  to restore your previous settings and leave the page.

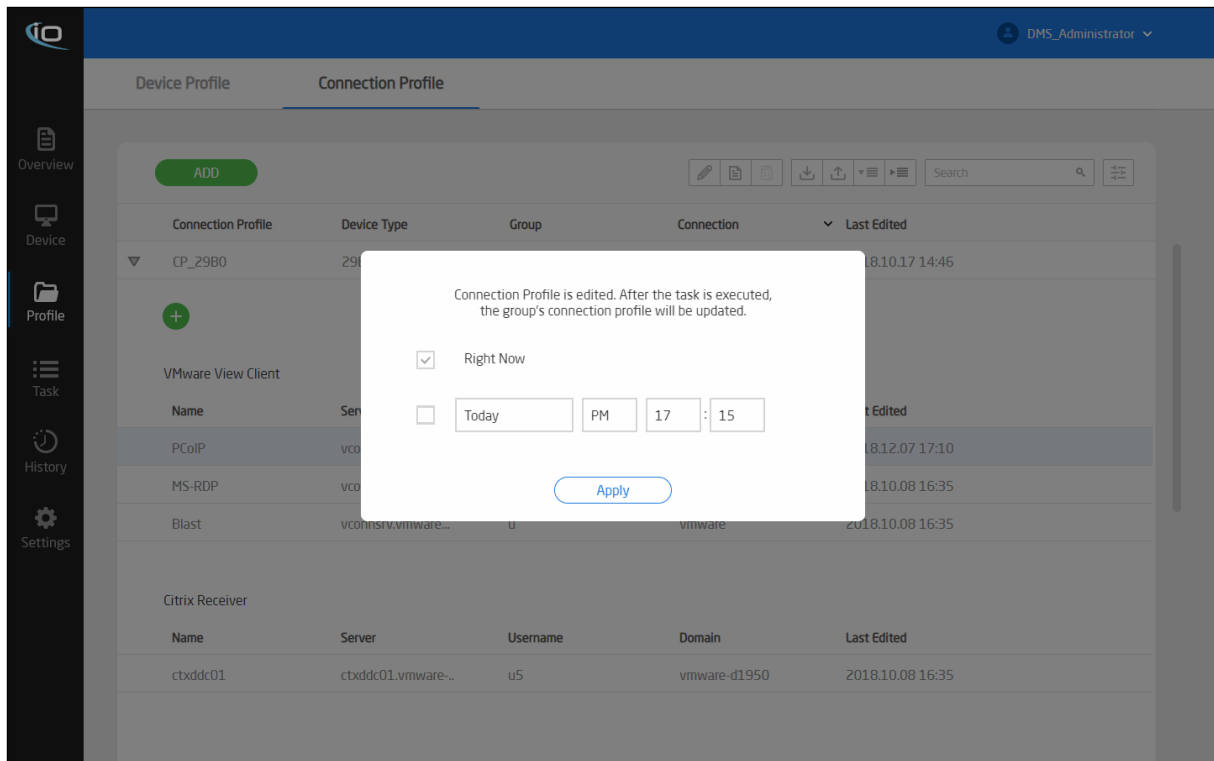


Figure 93 Task scheduling for an added or edited connection

If a connection profile is applied to one or more groups, and there is no group in performing a task, DMS will display new task scheduling after adding or editing connection in connection profile. The task must be added and executed.

Performing the task will apply the changed connection profile to all devices in the group(s).

You can execute the task immediately (choose “Right Now”) or in the future by specifying the date and time. The date can only be configured as Today or Tomorrow. Once you complete the setting, click the **Apply** button to save the changes and close the window.

The new task is displayed in the Task list with a name format of sTask_C9999 (9999 is a randomly generated sequence number). A task of changing device profile or connection profile cannot be edited or deleted.

(6) Export Connection Profile

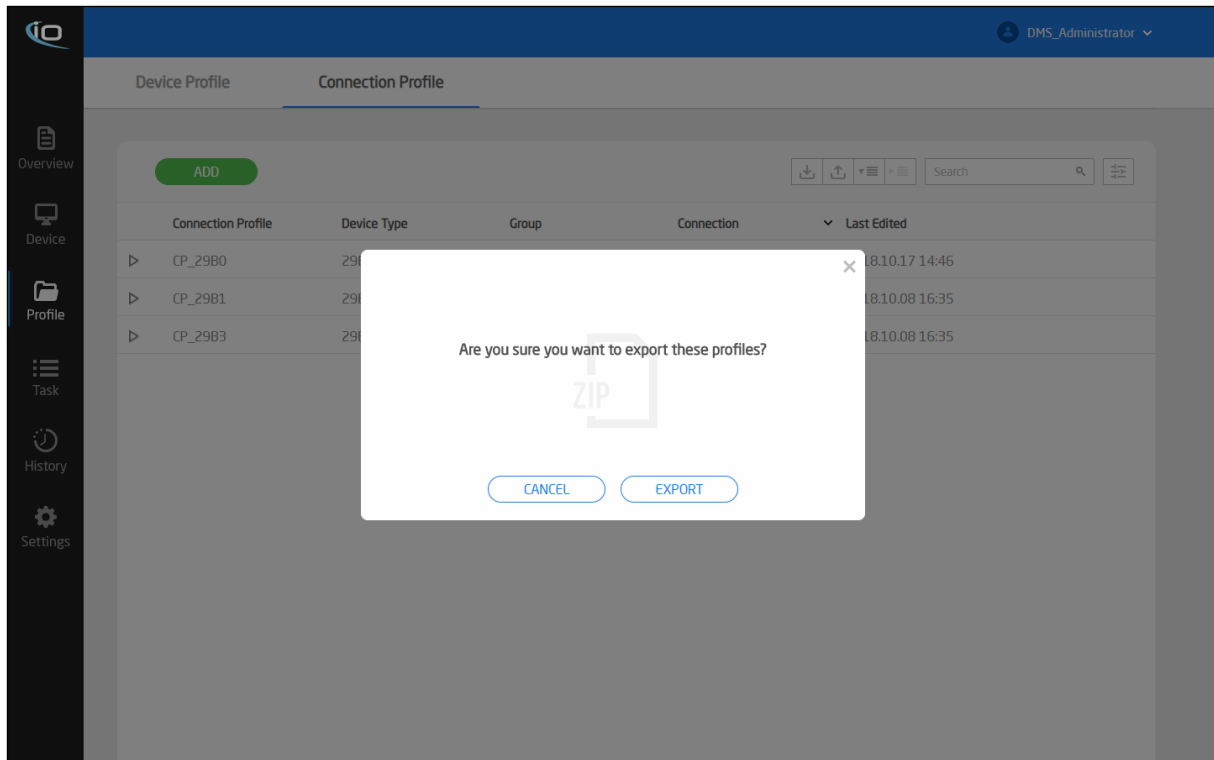


Figure 94 Export Connection Profile Confirmation Window

Choose one or multiple connection profiles from the connection profile list to export the data. Click the export icon  in the toolbar or click **Export** from the shortcut list to export connection profile data.

If you didn't click and choose any connection profile from the list, it exports all connection profile data; if you click and choose a specific connection profile from the list, it exports the selected connection profile data.

Click **CANCEL** to leave the export window without changes.

Click **EXPORT** to export connection profile data. Depending on your browser setting, a window may appear for you to choose the export file location, or the file is exported directly to an assigned download location. If there is any error happening during exporting process, it shows error message.

(7) Import Connection Profile

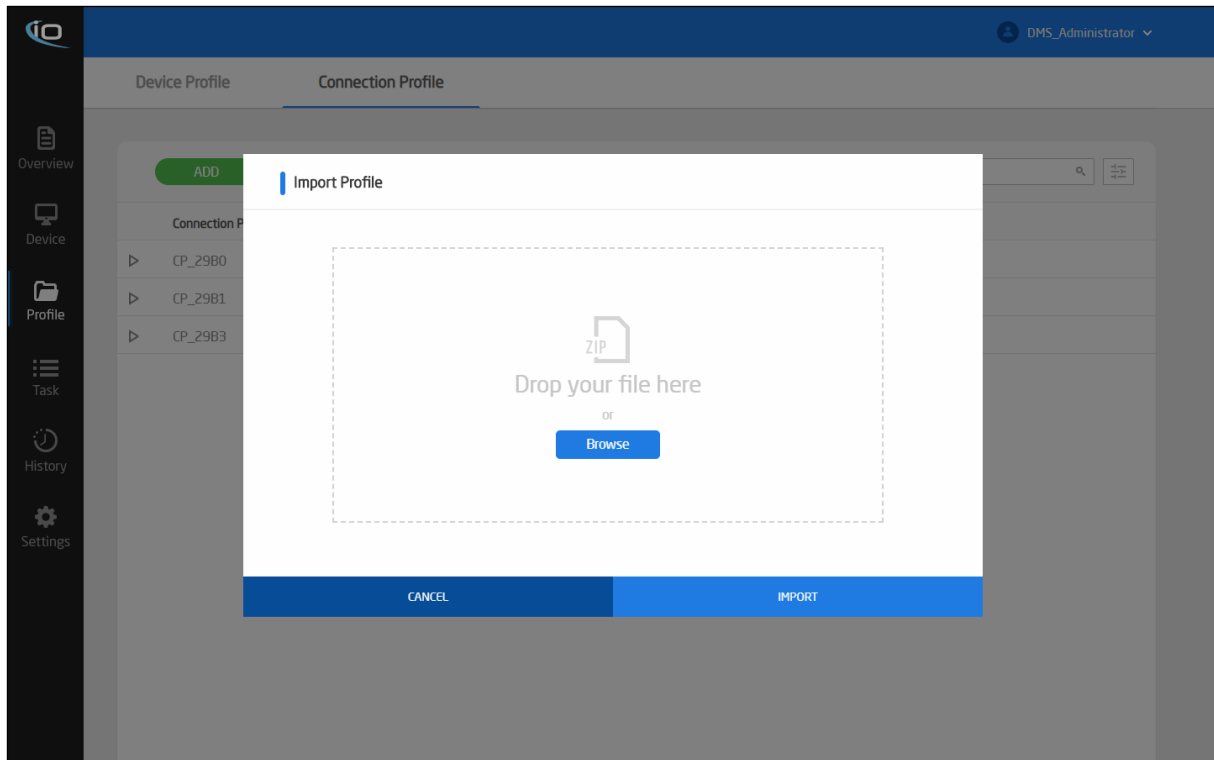



Figure 96 Import Connection Profile

In Connection Profile main window, click the import icon  in the toolbar to import connection profile data. You can drag the file here or click **Browse** and choose the file (*.zip) you want to import. You can only import one file at a time.

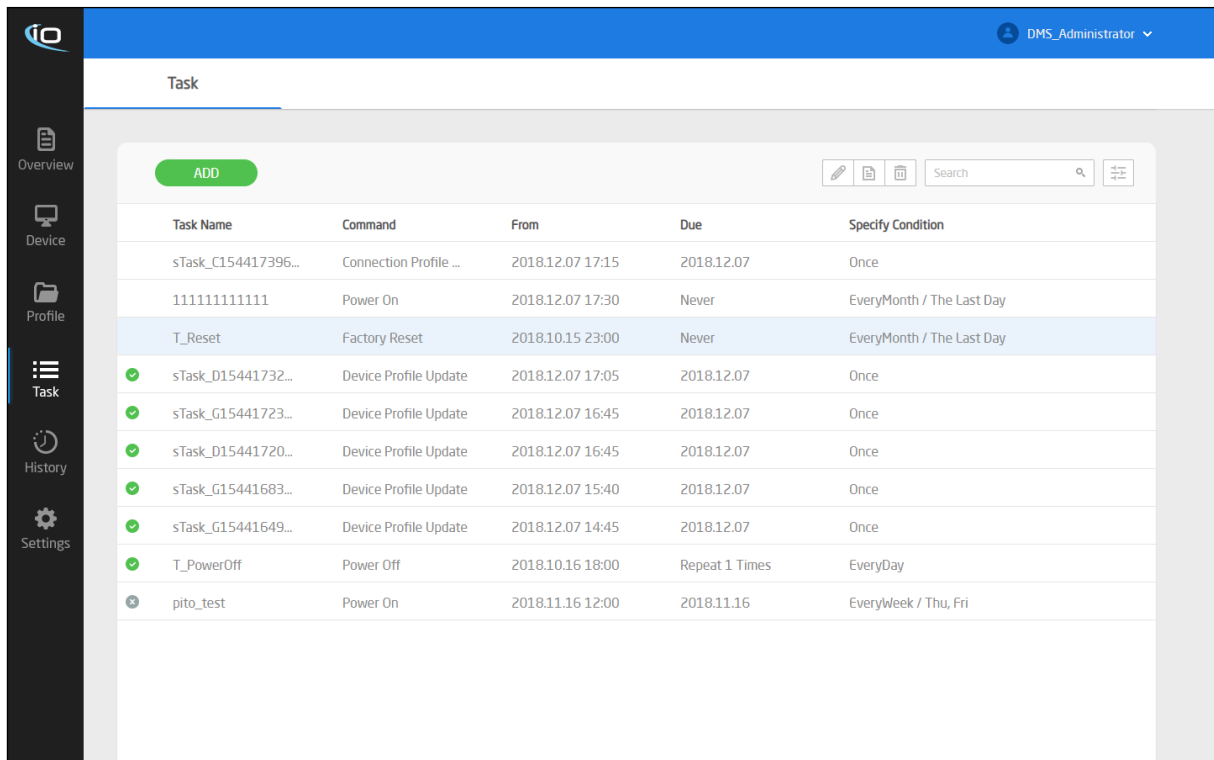
Click **CANCEL** to leave the import window without changes.

Click **IMPORT** to import connection profile data and then leave the window. If there is any error happening during importing process, it shows error message. You can download and view the error report.

3.7 Task

The DMS can schedule the profile to be written to the devices. You can add, view, or delete a scheduling task. In Group or Profile window, any changes of device profile or connection profile will be shown in Task overview window. You can only view a changing profile task but cannot edit or delete the task.

When a task is executing, if a group receives more than one task at the same time, the executing order is based on the task creating time. If a task is created earlier, that task will be executed first.






Task Name	Command	From	Due	Specify Condition
sTask_C154417396...	Connection Profile ...	2018.12.07 17:15	2018.12.07	Once
1111111111111111	Power On	2018.12.07 17:30	Never	EveryMonth / The Last Day
T_Reset	Factory Reset	2018.10.15 23:00	Never	EveryMonth / The Last Day
✔ sTask_D15441732...	Device Profile Update	2018.12.07 17:05	2018.12.07	Once
✔ sTask_G15441723...	Device Profile Update	2018.12.07 16:45	2018.12.07	Once
✔ sTask_D15441720...	Device Profile Update	2018.12.07 16:45	2018.12.07	Once
✔ sTask_G15441683...	Device Profile Update	2018.12.07 15:40	2018.12.07	Once
✔ sTask_G15441649...	Device Profile Update	2018.12.07 14:45	2018.12.07	Once
✔ T_PowerOff	Power Off	2018.10.16 18:00	Repeat 1 Times	EveryDay
⊙ pito_test	Power On	2018.11.16 12:00	2018.11.16	EveryWeek / Thu, Fri

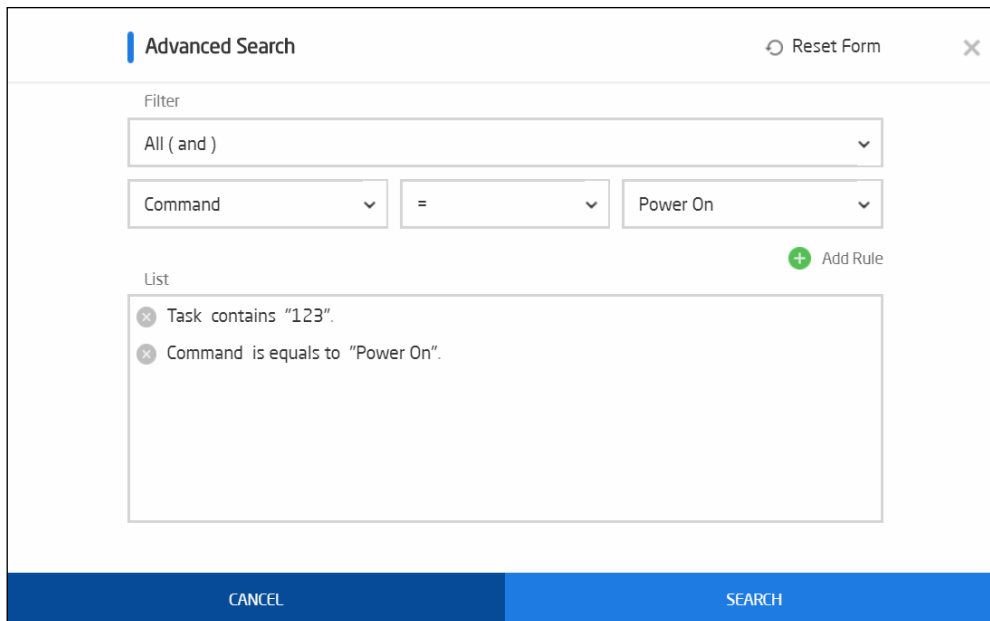
Figure 97 Task Overview

Click **Task** in the left side of the screen. You will see the overview of the created and configured tasks, including each task's name, executing command, executing frequency, starting time, due plan, and the specify condition.

The Task overview list is displayed according to the scheduling time. A task in processing or in the queue is shown on the top of the list. A finished task is shown next. An invalid task is shown last.


In search field , you can search any data that meets your search criteria.

Click the advanced search icon  to show advanced search screen. You can define search criteria to find particular data in task screen. After choosing the criteria you want to use and entering your search words, click the add rule icon  **Add Rule** to add rule in search list. You can add one or several search criteria. After completing the setting, click **SEARCH** to start data searching; click **CANCEL** or icon  to close search screen and go back to task screen.



Click each column header to sort the data in order of letter or number.

Sort data in ascending order

^ Task Name
033_DevTask_Week...
034_DevTask_Month...
 035_DevTask_Once
036_DevTask_Once




Sort data in descending order

v Task Name
010_DevTask_Month...
009_SysTask_Month...
008_DevTask_Month...
007_DevTask_Month...

Choose a task from the list and click a toolbar icon at the top of the window



to edit, view, or delete the task.

- Click the edit icon  in the toolbar to edit the task.
- Click the view icon  in the toolbar to view the task configuration.
- Click the delete icon  in the toolbar to delete the task.

Right-click a task from the list to show a shortcut list of editing, viewing, and deleting a task, which is the same as the icons in the toolbar.

The status of a task is shown on the left side of each task name. The following marking indicates the task status:






Task Status	Marking
Valid but haven't executed task	None
Processing task	
Executed task	
Overdue and not performed task	
Invalid task	

Table 5 Task status and marking

To execute a task, if the device is in power off mode, DMS will send a power on command to the device first and then perform the further task command. If the task is a power off command, the device remains in power off mode without any action.

If DMS cannot execute a task, an error message **Task service is error. Please reboot or check the service.** appears on the screen. You can click the re-execute task icon  on the left side of the message to re-execute the task and see if the issue would be fixed. If the error still exists, make sure the current DMS operating state and confirm the server and service work fine.

3.7.1. Add Task

Before adding a task, ensure Device Type and Group data has been created and configured in DMS.

When a client device is registered to DMS server, it will upload device type it belongs to. You don't need to manually add the device type. If there isn't any device being registered in DMS, a message **No Device exist.** appears when adding a task.

Group can be created and configured in Device -> Grouped.

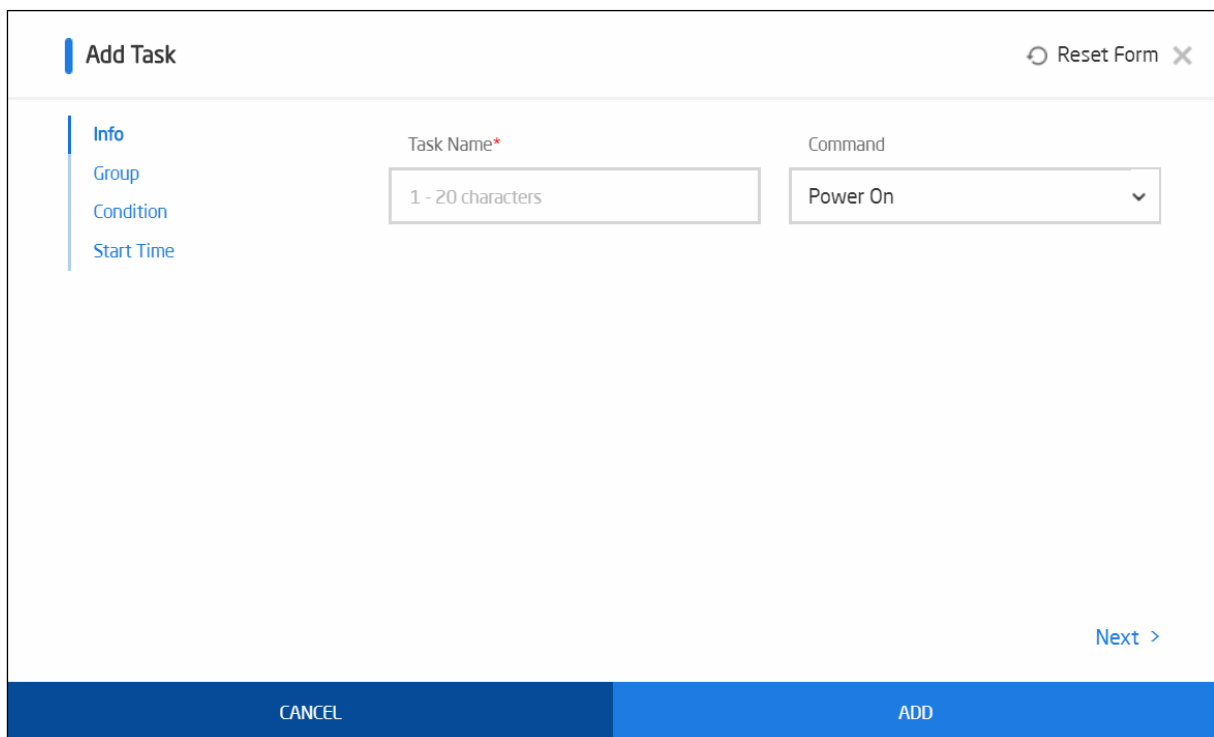




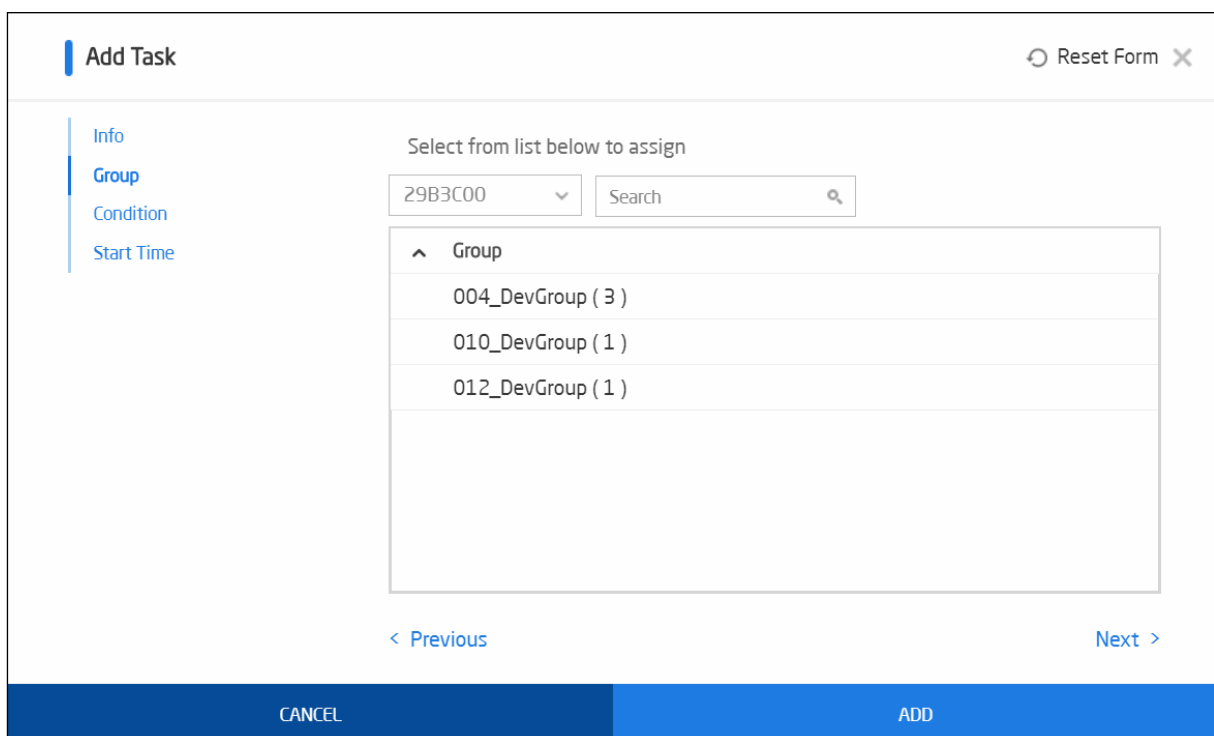
Figure 98 Add Task - Info

Click the ADD icon  in Task page to create a new task.

Click **Info** or any tab on the left to switch the setting page at any time during the configuration process.

Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

- **Task Name:** You must configure the task name. The length of the name field is 1-20 characters. Space is not allowed in task name.
- **Command:** Select a command from the drop-down list - power on, power off, reboot, factory reset, OS / firmware update, connection profile update, device profile update, and BIOS update. This field must be chosen.
- Click **Next >** or the **Group** tab on the left to move to the next setting page.
- Click **ADD** to add the new task and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon  **Reset Form** to reset the page back to the default state and the first setting page.
- Click **CANCEL** or icon  to cancel the changes and leave the page.



The screenshot shows the 'Add Task' configuration page. The 'Group' tab is active, displaying a list of device groups. The current selection is '29B3C00'. The list includes '004_DevGroup (3)', '010_DevGroup (1)', and '012_DevGroup (1)'. Navigation options include '< Previous', 'Next >', 'CANCEL', and 'ADD'.



Figure 99 Add Task - Group

Click **Group** or any tab on the left to switch the setting page at any time during the configuration process.

Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

The second step is to assign a group to perform the task. The upper right corner of the window shows the default device type, e.g. . You can choose a device type from the drop-down list. The group list below shows the groups being sorted by device type.

In search field , you can search any data that meets your group search criteria.

- You can choose one or multiple groups from the list. Then click **NEXT** > or the **Condition** tab on the left to enter the next setting page.
- Click < **Previous** or the **Info** tab on the left to move back to the previous setting page.
- Click **ADD** to add the new task and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon  **Reset Form** to reset the page back to the default state and the first setting page.
- Click **CANCEL** or icon  to cancel the changes and leave the page.

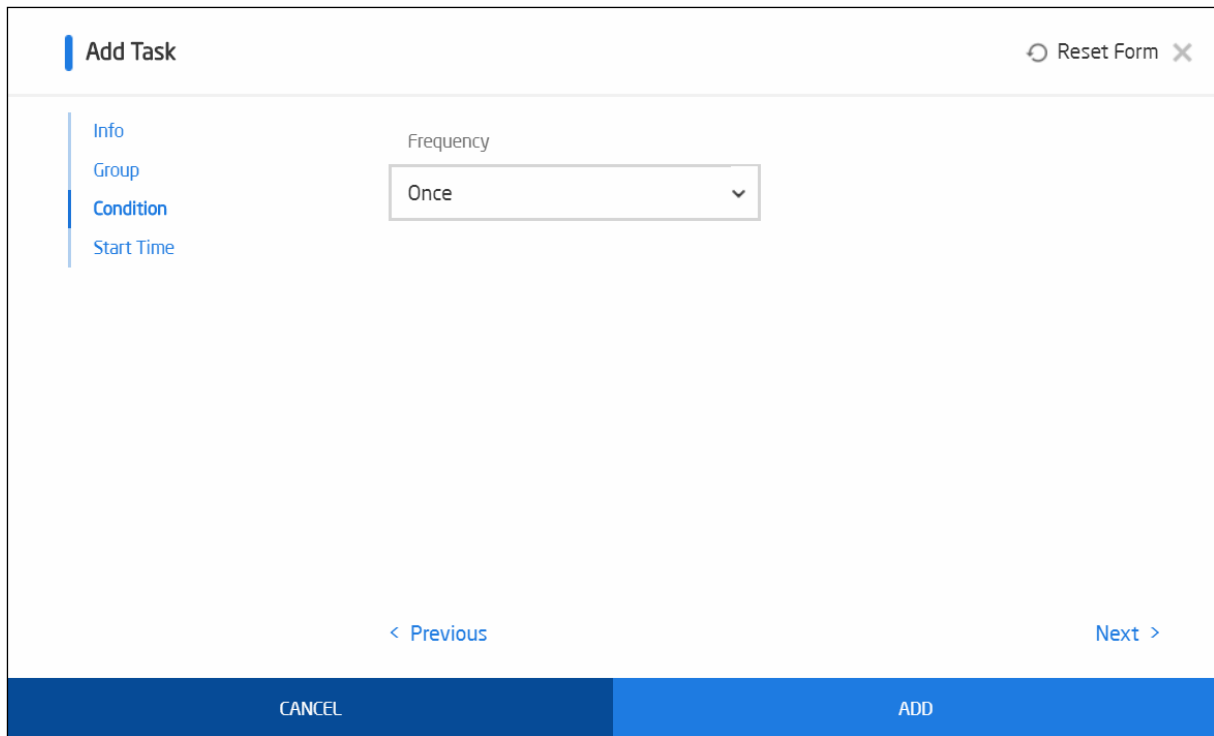


Figure 100 Add Task - Condition

Click **Condition** or any tab on the left to switch the setting page at any time during the configuration process.

Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

The third step is to set the executing frequency of the task. Set up frequency of task execution from the drop-down list – once, daily, weekly, or monthly. An expanded section of time setting is shown according to the frequency option you select. All executing time can only be set a day after the configuration date. This field must be chosen.

When **Once** is selected in Frequency, the task executes one time only.

When **Daily** is selected in Frequency, the expanded section shows frequency interval setting for you to set the number of days in which the task should be started. Select every 1 to 30 days to repeat the task. The default value is 1.

Frequency	Repeat Every N Day(s)
Daily ▼	1 ▼

When **Weekly** is selected in Frequency, the expanded section shows frequency interval option. Select every 1 to 30 weeks to repeat the task. The default value is 1. Then select one or multiple weekdays to perform the task (The starting day of each week is Sunday).

Frequency	Repeat Every N Week(s)
Weekly ▼	1 ▼

Mon Tue Wed Thu
 Fri Sat Sun

ⓘ ※The starting day of the week is Sunday.

When **Monthly** is selected in Frequency, the expanded section shows frequency interval option. Select every 1 to 30 months to repeat the task. The default value is 1. Then select a day from the calendar to perform the task.



Frequency	Repeat Every N Month(s)																																			
Monthly ▼	1 ▼																																			
Specify Type	Specify Day of Month																																			
Date ▼	<table border="0" style="width: 100%; text-align: center;"> <tr> <td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td> </tr> <tr> <td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td> </tr> <tr> <td>15</td><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td> </tr> <tr> <td>22</td><td>23</td><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td> </tr> <tr> <td>29</td><td>30</td><td>31</td><td colspan="4">The Last Day</td> </tr> </table>	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	The Last Day			
1	2	3	4	5	6	7																														
8	9	10	11	12	13	14																														
15	16	17	18	19	20	21																														
22	23	24	25	26	27	28																														
29	30	31	The Last Day																																	

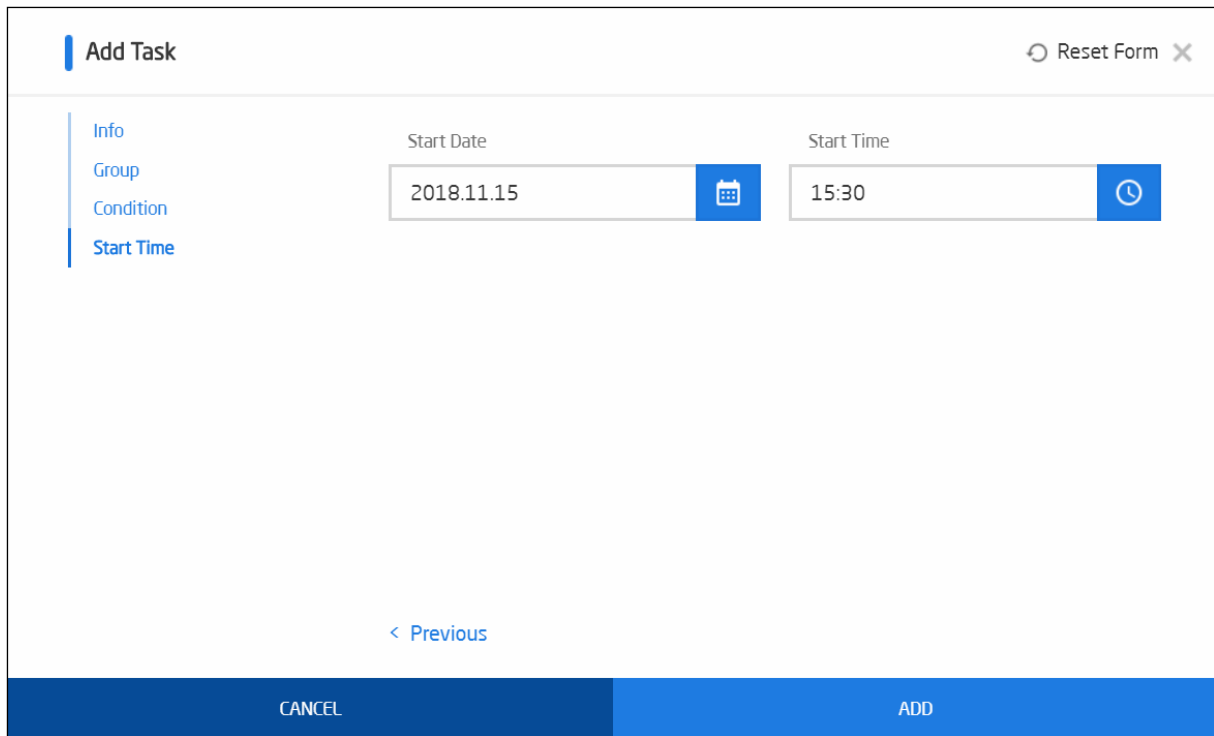
Or you can select a day of a specific week in a month to perform the task (The starting day of each week is Sunday).

Frequency	Repeat Every N Month(s)
Monthly	1
Specify Type	Specify Ordinal Numbers
Day Of Week	1st
Specify Day of Week	
Mon	

※The starting day of the week is Sunday.

When the selected condition doesn't exist, the system will display an error message **The selected condition does not exist**. You can re-configure the schedule condition.

- Click **Next >** or the **Start Time** tab on the left to move to the next setting page.
- Click **< Previous** or the **Group** tab on the left to move back to the previous setting page.
- Click **ADD** to add the new task and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon  **Reset Form** to reset the page back to the default state and the first setting page.
- Click **CANCEL** or icon  to cancel the changes and leave the page.





The screenshot shows the 'Add Task' configuration interface. At the top left is the title 'Add Task' and a 'Reset Form' button. On the left is a vertical sidebar with tabs: 'Info', 'Group', 'Condition', and 'Start Time'. The 'Start Time' tab is active. The main area contains two input fields: 'Start Date' with the value '2018.11.15' and a calendar icon, and 'Start Time' with the value '15:30' and a clock icon. At the bottom center is a '< Previous' link. The bottom of the screen features a dark blue bar with 'CANCEL' and 'ADD' buttons.



Figure 101 Add Task – Start Time

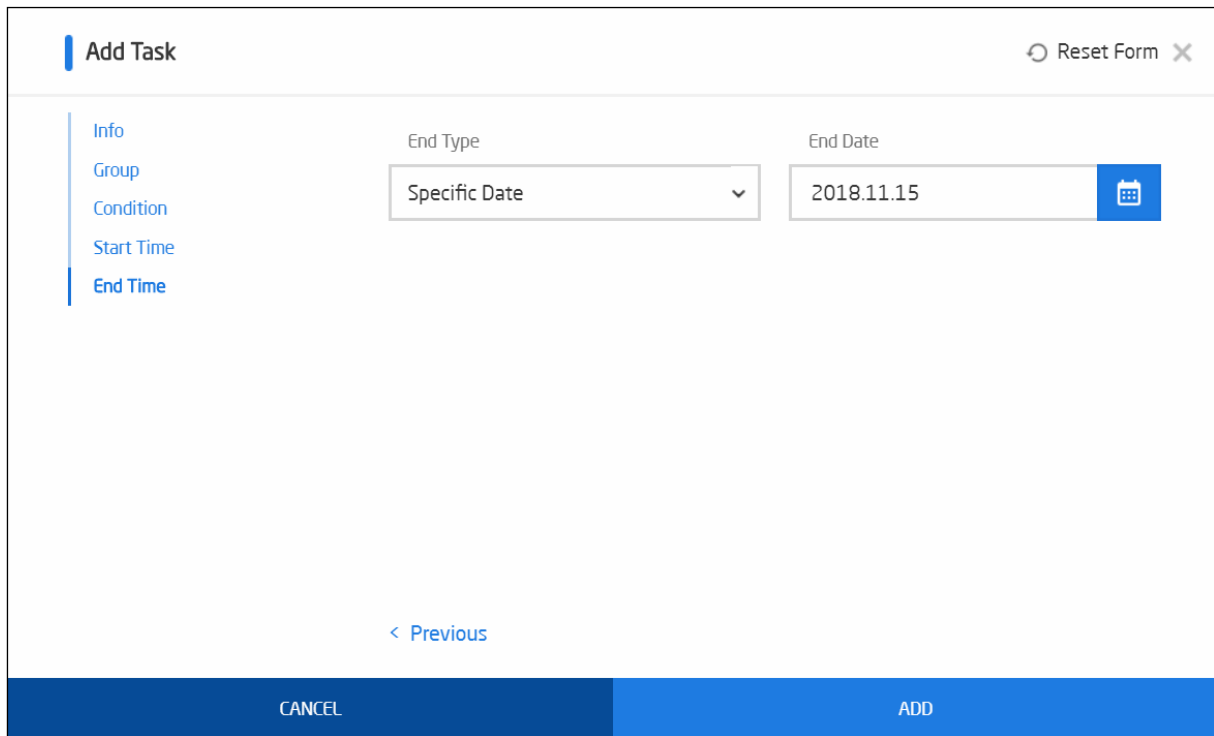
Click **Start Time** or any tab on the left to switch the setting page at any time during the configuration process.

Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

If **Once** is selected in Frequency, the Set Start Time page appears for you to configure the starting time of the task.

- Start Date: Click the calendar icon  to set a task starting date. This field must be chosen.
- Start Time: Click the clock icon  to set a task starting time. This field must be chosen.
- Click **< Previous** or the **Condition** tab on the left to move back to the previous setting page.

- Click **ADD** to add the new task and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon  **Reset Form** to reset the page back to the default state and the first setting page.
- Click **CANCEL** or icon  to cancel the changes and leave the page.



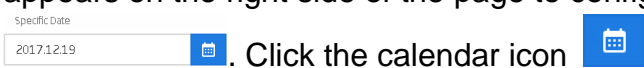





The screenshot shows the 'Add Task' configuration interface. On the left, a sidebar contains tabs for 'Info', 'Group', 'Condition', 'Start Time', and 'End Time'. The 'End Time' tab is selected. The main area displays two fields: 'End Type' with a dropdown menu set to 'Specific Date', and 'End Date' with the value '2018.11.15' and a calendar icon. At the bottom, there are two buttons: 'CANCEL' and 'ADD'. A '< Previous' link is visible above the buttons.

Figure 102 Add Task – End Time

Click any tab on the left to switch the setting page at any time during the configuration process. Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

If **Daily**, **Weekly** or **Monthly** is selected in Frequency, the Set End Time page appears for you to configure the ending time of the task.

- End Type: Select an ending type from the drop-down list - **Specific Date**, **Repeat Times**, or **Never**. This field must be chosen.

- When **Specific Date** is selected in End Type, an expanded section appears on the right side of the page to configure the ending date . Click the calendar icon  to set a task ending date.
- When **Repeat Times** is selected in End Type, an expanded section appears on the right side of the page to configure the times of repeating . Click the icon  to set how many times you want to repeat the task. You can set at most 20 times of repeating.
- When **Never** is selected in End Type, the task will be executed without stopping.
- Click **< Previous** or the **Start Time** tab on the left to move back to the previous setting page.
- Click **ADD** to add the new task and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon  **Reset Form** to reset the page back to the default state and the first setting page.
- Click **CANCEL** or icon  to cancel the changes and leave the page.

Add Task
Reset Form ✕

Info

Group

OS / Firmware

Condition

Start Time

Select from list below to assign

File Name	Description
OS_29B3C00_1.1.50_20190206	
OS_29B3C00_1.4.58_20190426	
OS_29B3C00_1.7.23_20190104	
OS_29B3C00_1.8.86_20190208	
OS_29B3C00_1.9.60_20181121	

< Previous
Next >

CANCEL
ADD

Figure 103 Add Task – OS / Firmware

Click any tab on the left to switch the setting page at any time during the configuration process. Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.



If **OS / Firmware Update** is selected in Command, this page appears for you to configure an OS or firmware file after completing the Assign Group configuration. The file list shows all available OS and firmware file information, including file name and description.

In search field , you can search any data that meets your firmware search criteria.

Click the column header with **File Name** to sort the data in order of letter or number. The default setting is listed in ascending order.

	File Name
Sort data in ascending order	OS_29B3C00_1.1.50_20190206
	OS_29B3C00_1.4.58_20190426
	OS_29B3C00_1.7.23_20190104
	OS_29B3C00_1.8.86_20190208
Sort data in descending order	OS_29B3C00_1.9.60_20181121
	OS_29B3C00_1.8.86_20190208
	OS_29B3C00_1.7.23_20190104
	OS_29B3C00_1.4.58_20190426

You can only select one file for OS / firmware update and cannot choose multiple files.

- Click **NEXT >** or the **Condition** tab on the left to enter the next setting page.
- Click **< Previous** or the **Group** tab on the left to move back to the previous setting page.
- Click **ADD** to add the new task and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon  **Reset Form** to reset the page back to the default state and the first setting page.
- Click **CANCEL** or icon  to cancel the changes and leave the page.

Add Task
Reset Form ✕

Info

Group

BIOS

Condition

Start Time

Select from list below to assign

File Name	Description
BIOS_TESTSTCC00_1.2.13_20180401	
BIOS_TESTSTCC00_1.4.5_20180604	
BIOS_TESTSTCC00_1.6.78_20180924	
BIOS_TESTSTCC00_1.7.77_20181208	
BIOS_TESTSTCC00_1.9.86_20180608	

< Previous
Next >

CANCEL
ADD

Figure 104 Add Task - BIOS

Click any tab on the left to switch the setting page at any time during the configuration process. Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.



If **BIOS Update** is selected in Command, this page appears for you to configure a BIOS file after completing the Assign Group configuration. The file list shows all available BIOS file information, including file name and description.

In search field , you can search any data that meets your firmware search criteria.

Click the column header with **File Name** to sort the data in order of letter or number. The default setting is listed in ascending order.

	File Name
Sort data in ascending order	BIOS_TESTSTCC00_1.2.13_20180401
	BIOS_TESTSTCC00_1.4.5_20180604
	BIOS_TESTSTCC00_1.6.78_20180924
	BIOS_TESTSTCC00_1.7.77_20181208
Sort data in descending order	BIOS_TESTSTCC00_1.9.86_20180608
	BIOS_TESTSTCC00_1.7.77_20181208
	BIOS_TESTSTCC00_1.6.78_20180924
	BIOS_TESTSTCC00_1.4.5_20180604

You can only select one file for BIOS update and cannot choose multiple files.

- Click **NEXT >** or the **Condition** tab on the left to enter the next setting page.
- Click **< Previous** or the **Group** tab on the left to move back to the previous setting page.
- Click **ADD** to add the new task and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon  **Reset Form** to reset the page back to the default state and the first setting page.
- Click **CANCEL** or icon  to cancel the changes and leave the page.

3.7.2. View Task

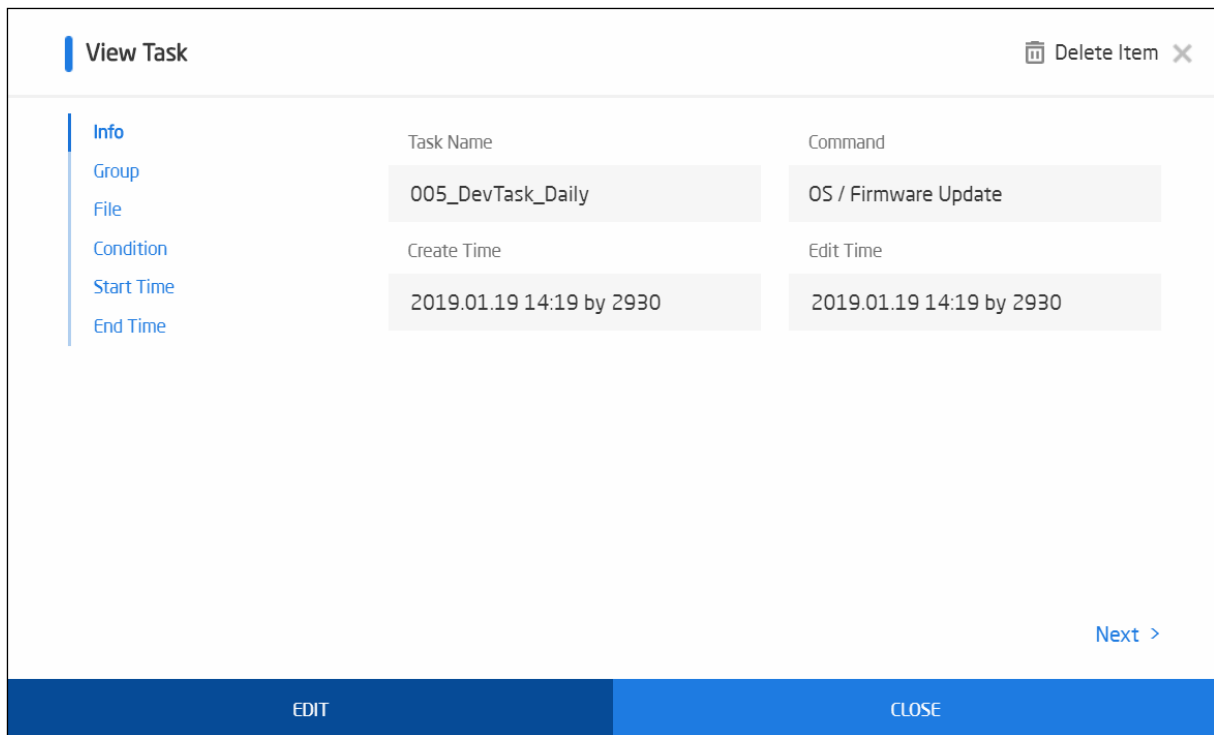



Figure 105 View Task - 1



Choose a task from the list and click the view icon  in the toolbar to view task configuration information. You can also right-click a task from the list to show the **View** option.

Click any tab on the left, including info, group, file, condition, start time and end time, to switch the setting page at any time during the configuration process.

The window shows task information, including task name, command, executing frequency, applied group number, starting date and time, ending type, specify condition, added and edited date.

If the entire applied groups are deleted, a message **Some groups have been deleted.** is displayed.

- Click **NEXT >** to enter the next setting page.
- Click **< Previous** to move back to the previous setting page.

- Click **CLOSE** or icon  to close the view page.
- Click **EDIT** to enter the task editing window.
- Click the **Delete Item** icon  **Delete Item** to delete the task item.

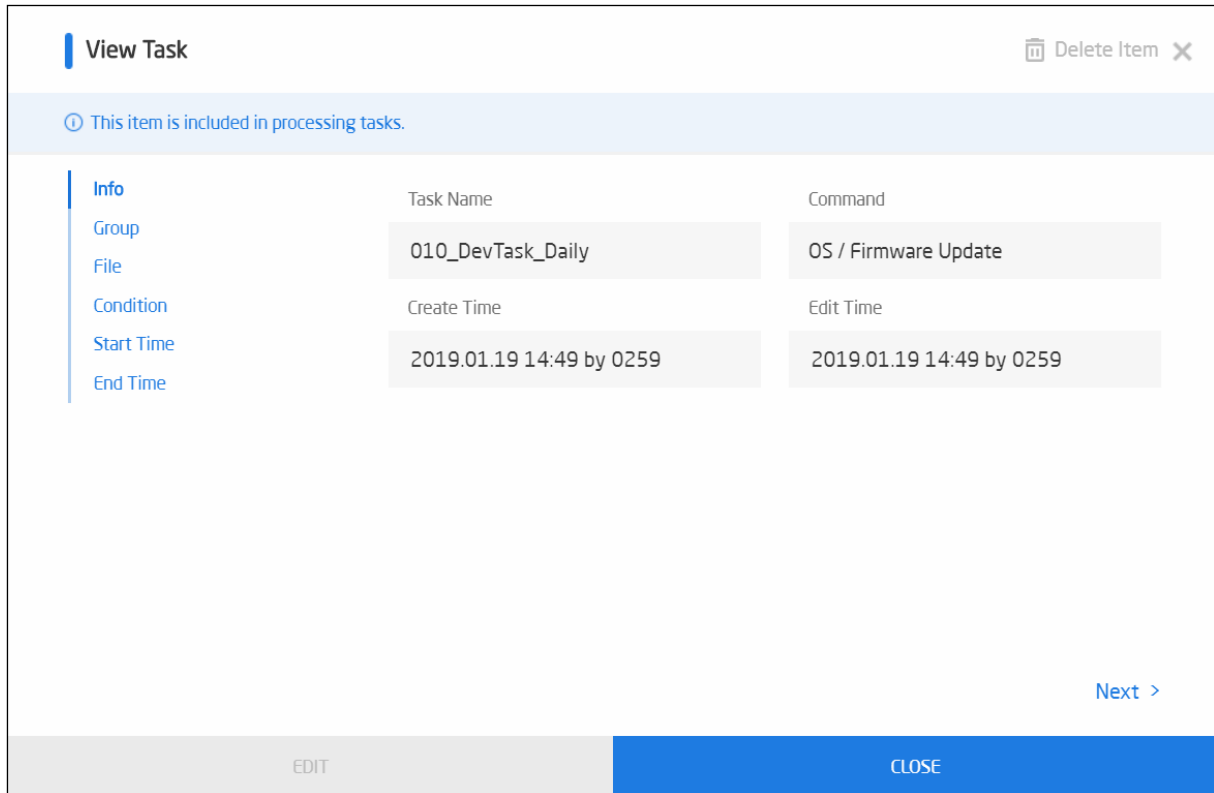



Figure 106 View Task - 2

If the viewed task is in processing or the task is shown in Group or Profile window, indicating a device or connection profile change, a message **This item is included in processing tasks.** or **This item is created by DMS.** is displayed. You can only view the task details but cannot edit or delete it.

- Click **NEXT >** to enter the next setting page.
- Click **< Previous** to move back to the previous setting page.
- Click **CLOSE** or icon  to close the view page.

3.7.3. Edit Task

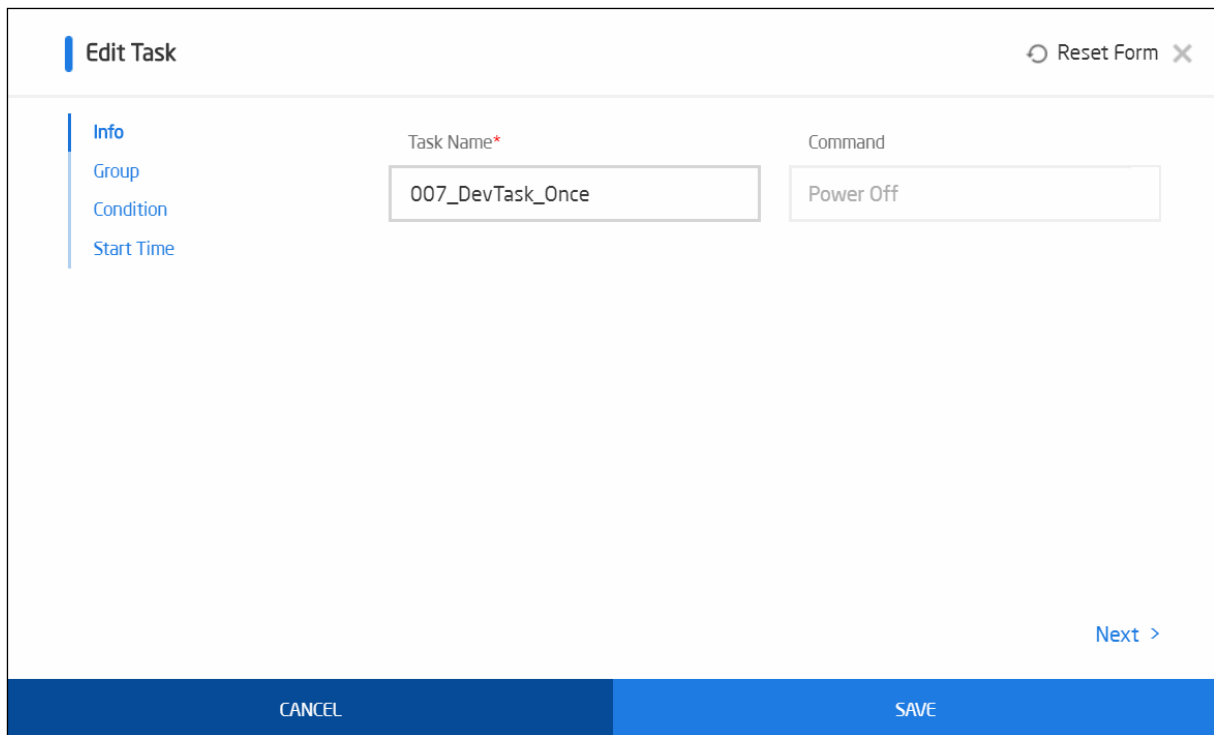





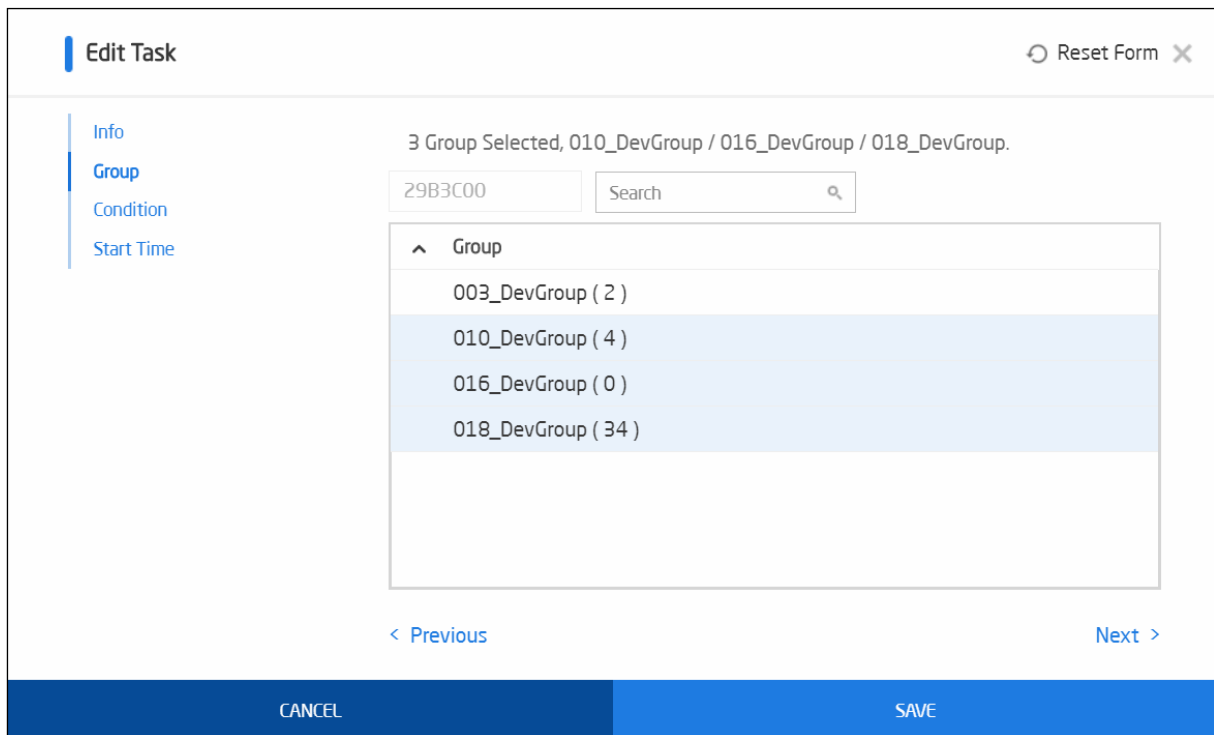
Figure 107 Edit Task - Info

Choose a task from the list and click the edit icon  in the toolbar to edit task configuration. You can also right-click a task from the list to show the **Edit** option.

Click any tab on the left to switch the setting page at any time during the configuration process. Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

- Task Name: You must configure the task name. The length of the name field is 1-20 characters. Space is not allowed in task name.
- Command: This field is read only and cannot be modified.
- Click **Next >** or the **Group** tab on the left to move to the next setting page.

- Click **Save** to save the changes and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon  **Reset Form** to reset the page content back to the unedited state.
- Click **CANCEL** or icon  to cancel the changes and leave the editing page.



Edit Task Reset Form ✕

Info
Group
 Condition
 Start Time

3 Group Selected, 010_DevGroup / 016_DevGroup / 018_DevGroup.

29B3C00

Group
003_DevGroup (2)
010_DevGroup (4)
016_DevGroup (0)
018_DevGroup (34)

< Previous Next >



CANCEL SAVE

Figure 108 Edit Task - Group

Click **Group** or any tab on the left to switch the setting page at any time during the configuration process. Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

The Device Type field is read only (e.g.) and cannot be modified. The list below is the corresponding group data after filtering according to the device type.

In search field , you can search any data that meets your group search criteria.

- You can choose one or many groups from the list. Then click **NEXT >** or the tab **Condition** on the left to enter the next editing page.
- Click **< Previous** or the **Info** tab on the left to move back to the previous setting page.
- Click **Save** to save the changes and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon  **Reset Form** to reset the page content back to the default state.
- Click **CANCEL** or icon  to restore your previous settings and leave the editing page.

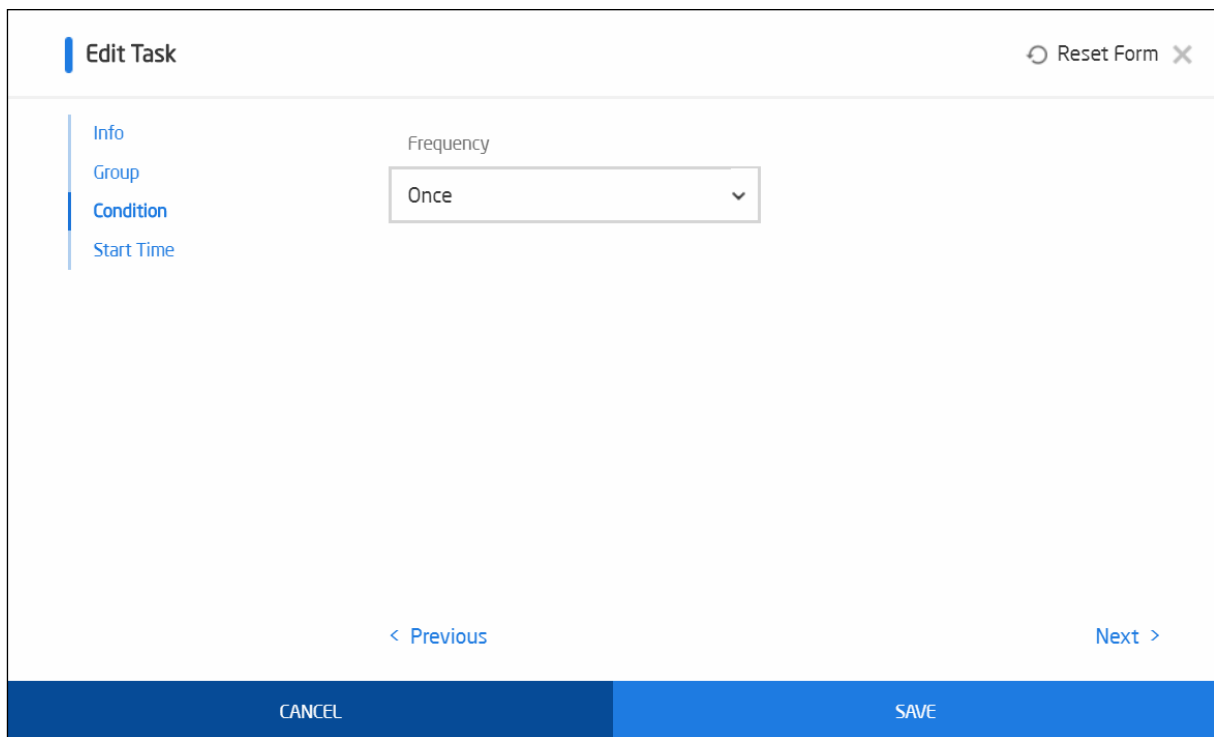


Figure 109 Edit Task - Condition

Click **Condition** or any tab on the left to switch the setting page at any time during the configuration process. Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

The third step is to set the executing frequency of the task. The window shows the selected frequency setting and you can change the setting, if you like. The Frequency setting is a drop-down list with options once, daily, weekly, and monthly. An expanded section of time setting is shown according to the frequency option you select. All executing time can only be set a day after the configuration date. This field must be chosen.

When **Once** is selected in Frequency, the task executes one time only.

When **Daily** is selected in Frequency, the expanded section shows frequency interval setting for you to set the number of days in which the task should be started. Select every 1 to 30 days to repeat the task.

Frequency	Repeat Every N Day(s)
Daily ▼	1 ▼

When **Weekly** is selected in Frequency, the expanded section shows frequency interval option. Select every 1 to 30 weeks to repeat the task. Then select one or multiple weekdays to perform the task (The starting day of each week is Sunday).

Frequency	Repeat Every N Week(s)
Weekly ▼	1 ▼

- Mon
 Tue
 Wed
 Thu
 Fri
 Sat
 Sun

ⓘ ※The starting day of the week is Sunday.

When **Monthly** is selected in Frequency, the expanded section shows frequency interval option. Select every 1 to 30 months to repeat the task. Then select a day from the calendar to perform the task.



Frequency	Repeat Every N Month(s)																																			
Monthly	1																																			
Specify Type	Specify Day of Month																																			
Date	<table border="1"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td></tr> <tr><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td></tr> <tr><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td></tr> <tr><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td></tr> <tr><td>29</td><td>30</td><td>31</td><td colspan="4">The Last Day</td></tr> </table>	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	The Last Day			
1	2	3	4	5	6	7																														
8	9	10	11	12	13	14																														
15	16	17	18	19	20	21																														
22	23	24	25	26	27	28																														
29	30	31	The Last Day																																	

Or you can select a day of a specific week in a month to perform the task (The starting day of each week is Sunday).

Frequency	Repeat Every N Month(s)
Monthly	1
Specify Type	Specify Ordinal Numbers
Day Of Week	1st
Specify Day of Week	
Mon	

※The starting day of the week is Sunday.

When the selected condition doesn't exist, the system will display an error message **The selected condition does not exist**. You can re-configure the schedule condition.

- Click **Next >** or the **Start Time** tab on the left to move to the next setting page.
- Click **< Previous** or the **Group** tab on the left to move back to the previous setting page.
- Click **Save** to save the changes and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon  **Reset Form** to reset the page back to the default state.
- Click **CANCEL** or icon  to cancel the changes and leave the page.

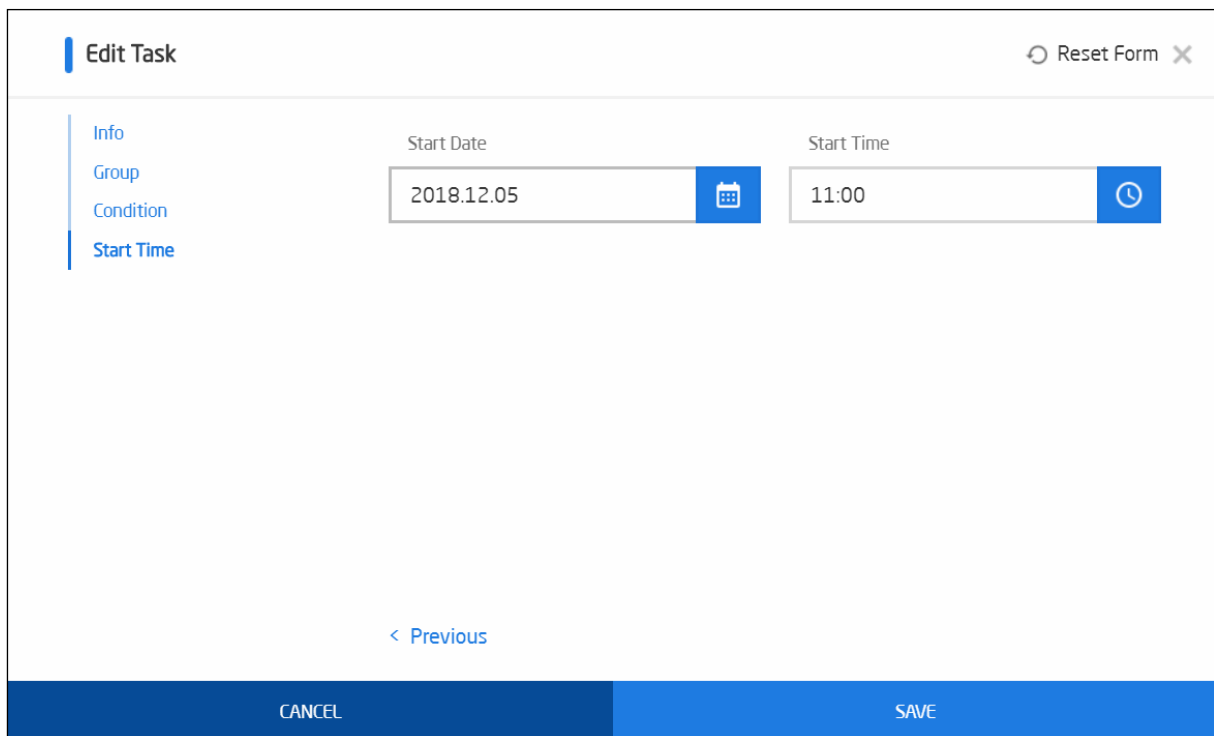




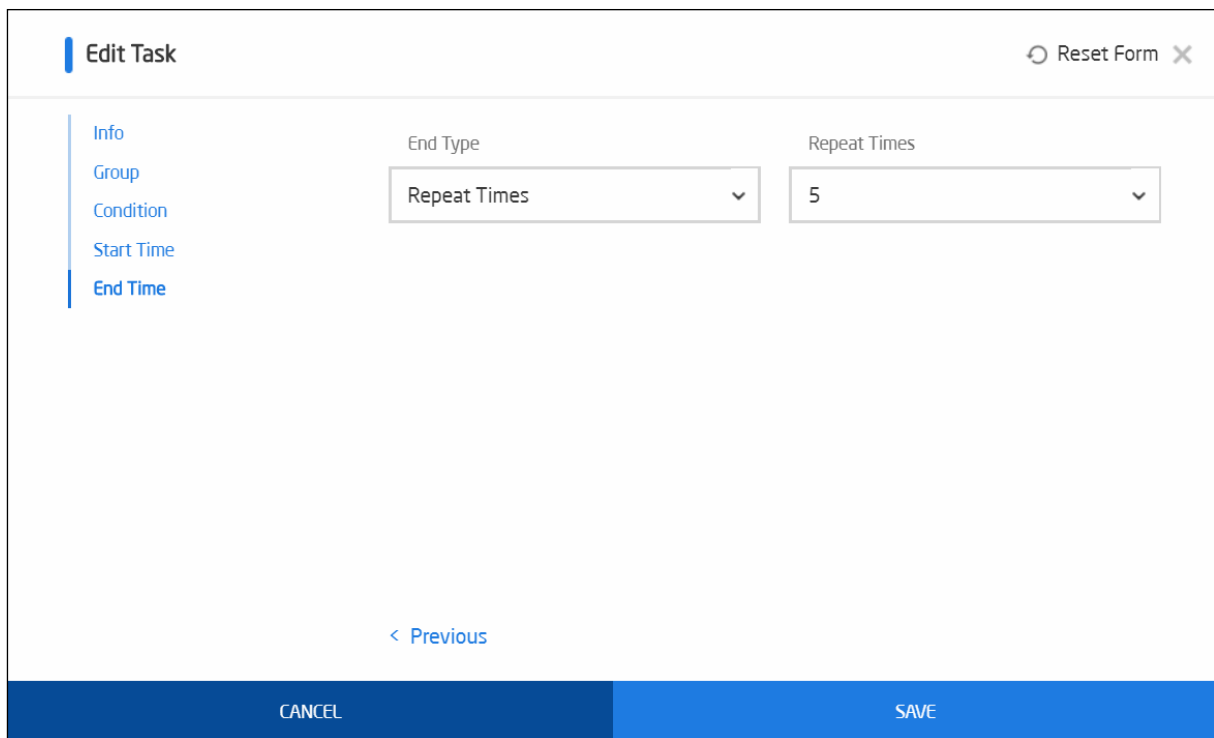


Figure 110 Edit Task – Start Time

Click any tab on the left to switch the setting page at any time during the configuration process. Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

If **Once** was selected in Frequency, the Set Start Time page appears for you to configure the starting time of the task.

- **Start Date:** Click the calendar icon  to set a task starting date. This field must be chosen.
- **Start Time:** Click the clock icon  to set a task starting time. This field must be chosen.
- Click **< Previous** or the **Condition** tab on the left to move back to the previous setting page.
- Click **SAVE** to save the changes and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon  **Reset Form** to reset the page back to the default state.
- Click **CANCEL** or icon  to cancel the changes and leave the page.

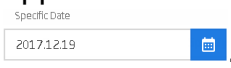







The screenshot shows the 'Edit Task' interface. On the left, a sidebar contains tabs for 'Info', 'Group', 'Condition', 'Start Time', and 'End Time', with 'End Time' selected. The main area displays two dropdown menus: 'End Type' (set to 'Repeat Times') and 'Repeat Times' (set to '5'). At the bottom, there is a '< Previous' link and two buttons: 'CANCEL' and 'SAVE'. A 'Reset Form' button with a refresh icon is visible in the top right corner.

Figure 111 Edit Task – End Time

Click any tab on the left to switch the setting page at any time during the configuration process. Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

If **Daily**, **Weekly** or **Monthly** was selected in Frequency, the Set End Time page appears for you to configure the ending time of the task.

- End Type: Select an ending type from the drop-down list - Specific Date, Repeat Times, or Never. This field must be chosen.
- When **Specific Date** is selected in End Type, an expanded section appears on the right side of the page to configure the ending date . Click the calendar icon  to set a task ending date.
- When **Repeat Times** is selected in End Type, an expanded section appears on the right side of the page to configure the times of repeating . Click the icon  to set how many times you want to repeat the task. You can set at most 20 times of repeating.
- When **Never** is selected in End Type, the task will be executed without stopping.
- Click **< Previous** or the **Start Time** tab on the left to move back to the previous setting page.
- Click **SAVE** to save the changes and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon  **Reset Form** to reset the page back to the default state.
- Click **CANCEL** or icon  to cancel the changes and leave the editing page.

Edit Task
Reset Form X

- Info
- Group
- File
- Condition
- Start Time
- End Time

Select from list below to assign

File Name	Description
OS_29B3C00_1.2.34_20190410	
OS_29B3C00_1.4.61_20190225	
OS_29B3C00_1.6.31_20190411	
OS_29B3C00_1.6.32_20181225	
OS_29B3C00_1.7.13_20180620	
OS_29B3C00_1.7.29_20181017	
OS_29B3C00_1.7.85_20180720	

< Previous
Next >

CANCEL
SAVE

Figure 112 Edit Task - File

Click any tab on the left to switch the setting page at any time during the configuration process. Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.



If **OS / Firmware Update** or **BIOS Update** is selected in Command, this page appears for you to configure a file after completing the Assign Group configuration. The firmware list shows all available file information for this device type, including file name and description.

In search field , you can search any data that meets your firmware search criteria.

Click the column header with **File Name** to sort the data in order of letter or number. The default setting is listed in ascending order.

	▲ File Name OS_29B3C00_1.2.34_20190410 OS_29B3C00_1.4.61_20190225 OS_29B3C00_1.6.31_20190411 OS_29B3C00_1.6.32_20181225
Sort data in ascending order	
	▼ File Name OS_29B3C00_1.7.85_20180720 OS_29B3C00_1.7.29_20181017 OS_29B3C00_1.7.13_20180620 OS_29B3C00_1.6.32_20181225
Sort data in descending order	

You can only select one file for file update and cannot choose multiple files.

- Click **NEXT >** or the **Condition** tab on the left to enter the next setting page.
- Click **< Previous** or the **Group** tab on the left to move back to the previous setting page.
- Click **SAVE** to save the changes and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon  **Reset Form** to reset the page back to the default state.
- Click **CANCEL** or icon  to cancel the changes and leave the editing page.

3.7.4. Delete Task

If a task is in processing or the task is shown in Group or Profile window, indicating a device or connection profile change, you cannot delete the task.

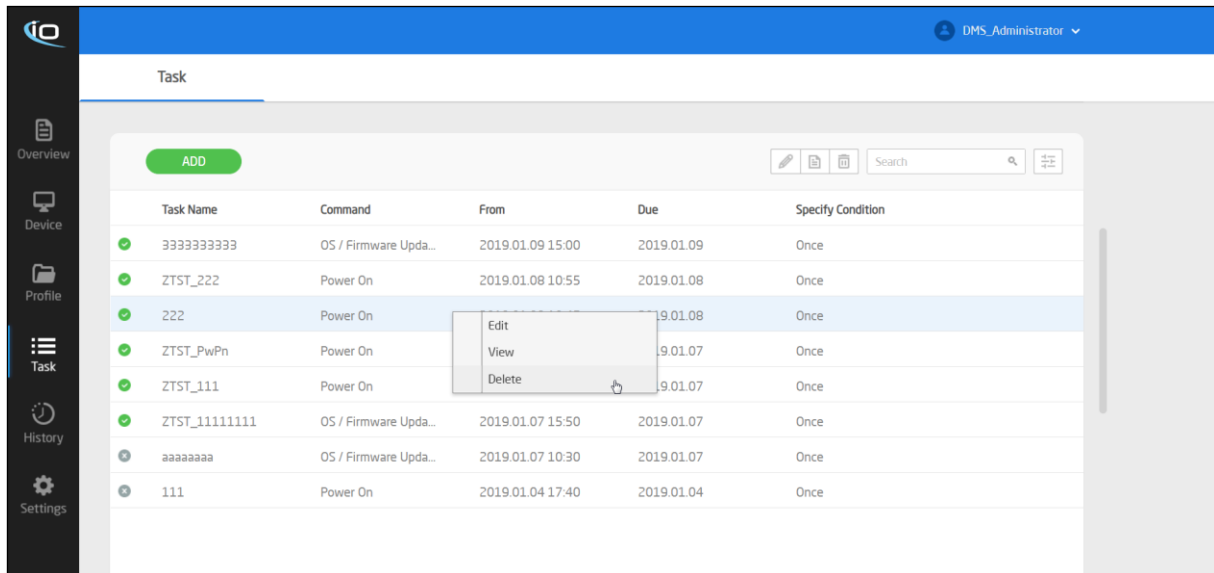



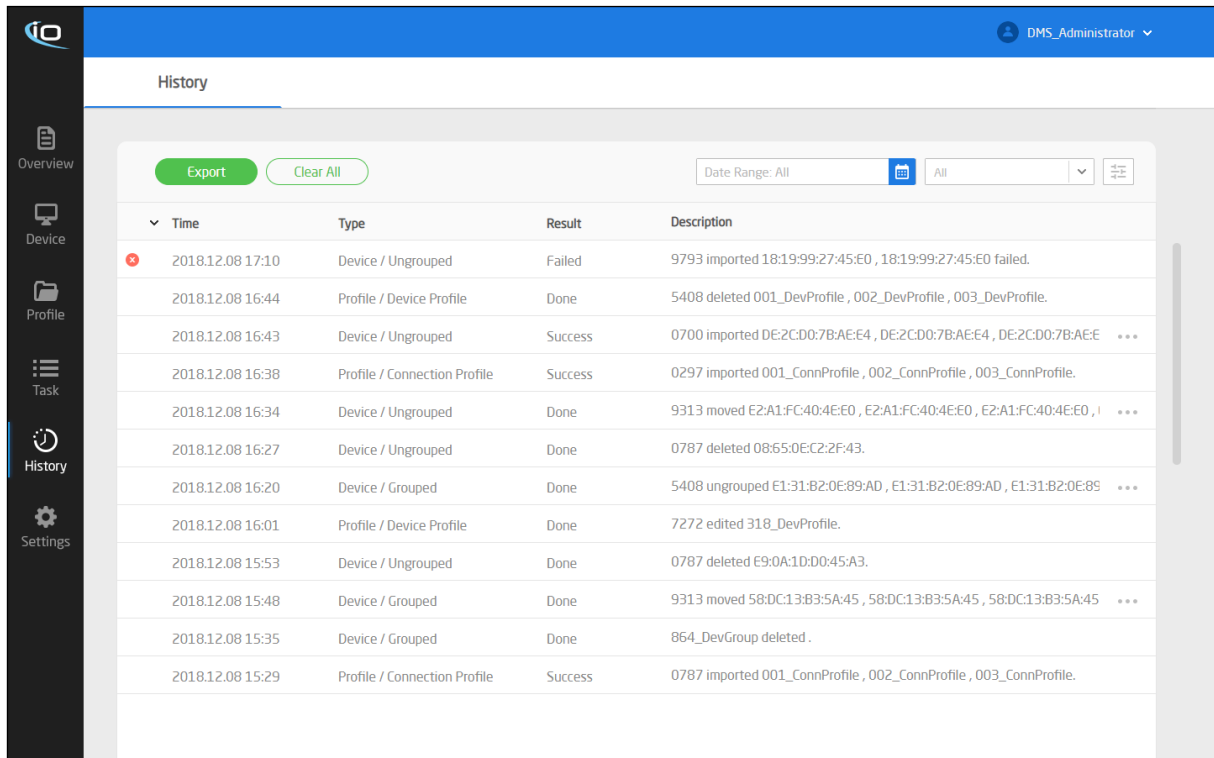
Figure 113 Delete Task

Choose a task from the list and click the delete icon  in the toolbar to delete the selected task. You can also right-click a task from the list to show the **Delete** option.

A confirmation dialogue appears. Click **Cancel** to leave the window without changes or click **Delete** to confirm the deletion.

3.8 History

The History Overview screen shows major device management activities in the past. It includes adding, editing, or deleting records, as well as task executing results. Except showing on the history window, you can also export the history records as a file for archives.



Time	Type	Result	Description
2018.12.08 17:10	Device / Ungrouped	Failed	9793 imported 18:19:99:27:45:E0 , 18:19:99:27:45:E0 failed.
2018.12.08 16:44	Profile / Device Profile	Done	5408 deleted 001_DevProfile , 002_DevProfile , 003_DevProfile.
2018.12.08 16:43	Device / Ungrouped	Success	0700 imported DE:2C:D0:7B:AE:E4 , DE:2C:D0:7B:AE:E4 , DE:2C:D0:7B:AE:E ...
2018.12.08 16:38	Profile / Connection Profile	Success	0297 imported 001_ConnProfile , 002_ConnProfile , 003_ConnProfile.
2018.12.08 16:34	Device / Ungrouped	Done	9313 moved E2:A1:FC:40:4E:E0 , E2:A1:FC:40:4E:E0 , E2:A1:FC:40:4E:E0 , I ...
2018.12.08 16:27	Device / Ungrouped	Done	0787 deleted 08:65:0E:C2:2F:43.
2018.12.08 16:20	Device / Grouped	Done	5408 ungrouped E1:31:B2:0E:89:AD , E1:31:B2:0E:89:AD , E1:31:B2:0E:89 ...
2018.12.08 16:01	Profile / Device Profile	Done	7272 edited 318_DevProfile.
2018.12.08 15:53	Device / Ungrouped	Done	0787 deleted E9:0A:1D:D0:45:A3.
2018.12.08 15:48	Device / Grouped	Done	9313 moved 58:DC:13:B3:5A:45 , 58:DC:13:B3:5A:45 , 58:DC:13:B3:5A:45 ...
2018.12.08 15:35	Device / Grouped	Done	864_DevGroup deleted .
2018.12.08 15:29	Profile / Connection Profile	Success	0787 imported 001_ConnProfile , 002_ConnProfile , 003_ConnProfile.

Figure 114 History Overview


Click **History** in the left side of the screen to show the history overview window. You will see the history records of editing activities and task executed results by any DMS users.


The overview page shows history record information, including date/time, record type, executed result, and description.


The overview list is sorted in order of date/time. The latest item is shown on the top of the list.



Click each column header to sort the data in order of letter or number.

	^ Time
	2017.05.10 10:18
	2017.05.10 18:55
	2017.05.10 23:45
Sort data in ascending order	2017.05.11 00:19
	v Time
	2017.05.12 15:32
	2017.05.12 15:24
	2017.05.12 10:37
Sort data in descending order	2017.05.12 03:51

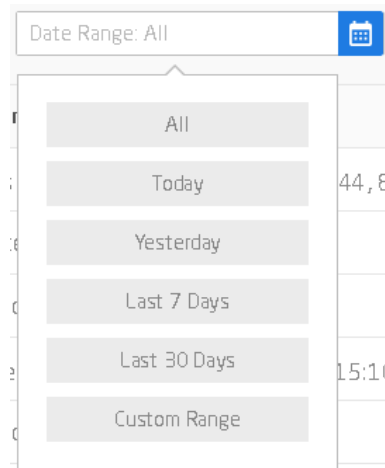
Click the **Export** icon  to export history records. You can save the records as a file with PDF, Excel, or text format.


Click the **Clear All** icon  to clear all of the history records. The task items in Task window will be cleared up as well.

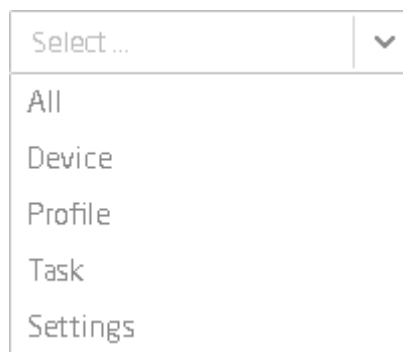
The History Overview shows all of the history records by default. If the record items go beyond the limit of rows allowed on the screen, a **Load More** icon  appears at the bottom of the list. Click it to show more history records. When all items are shown, the bottom icon will change to **Bottom of**




List  Bottom of List . Click the calendar icon 

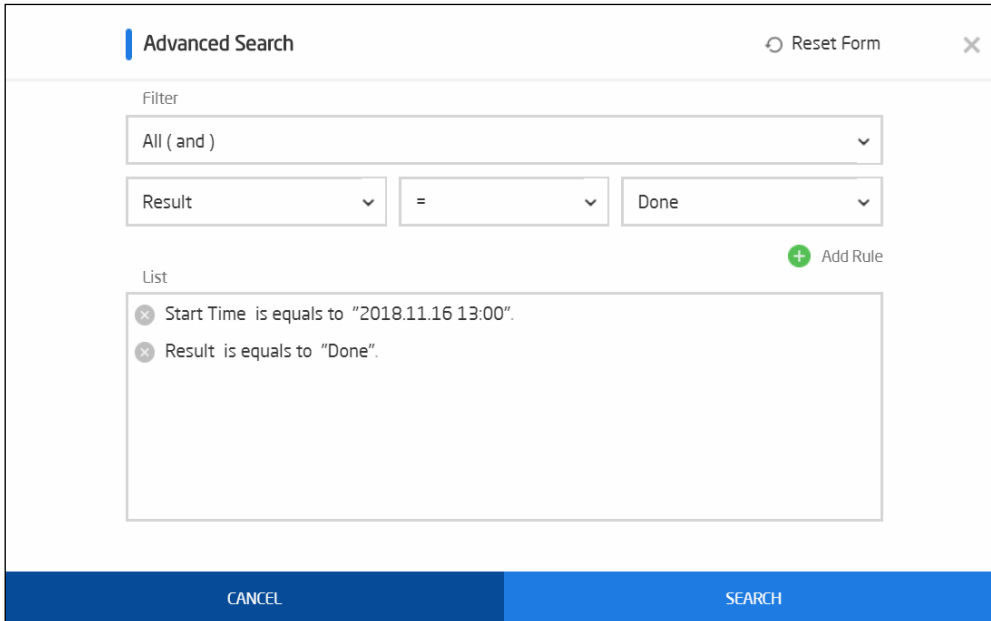
to apply a date filter, including all, today, yesterday, last 7 days, last 30 days, and custom range, on the history records. When choosing a custom range, you will need to choose the starting and ending dates.






The History Overview shows all of the record types by default. Click the type filter icon  to apply a record type filter, including all, device, profile, task, or settings, on the history records.



Click the advanced search icon  to show advanced search screen. You can define search criteria to find particular data in history screen. After choosing the criteria you want to use and entering your search words, click the add rule icon  **Add Rule** to add rule in search list. You can add one or several search criteria. After completing the setting, click **SEARCH** to start data searching; click **CANCEL** or icon  to close search screen and go back to history overview screen.

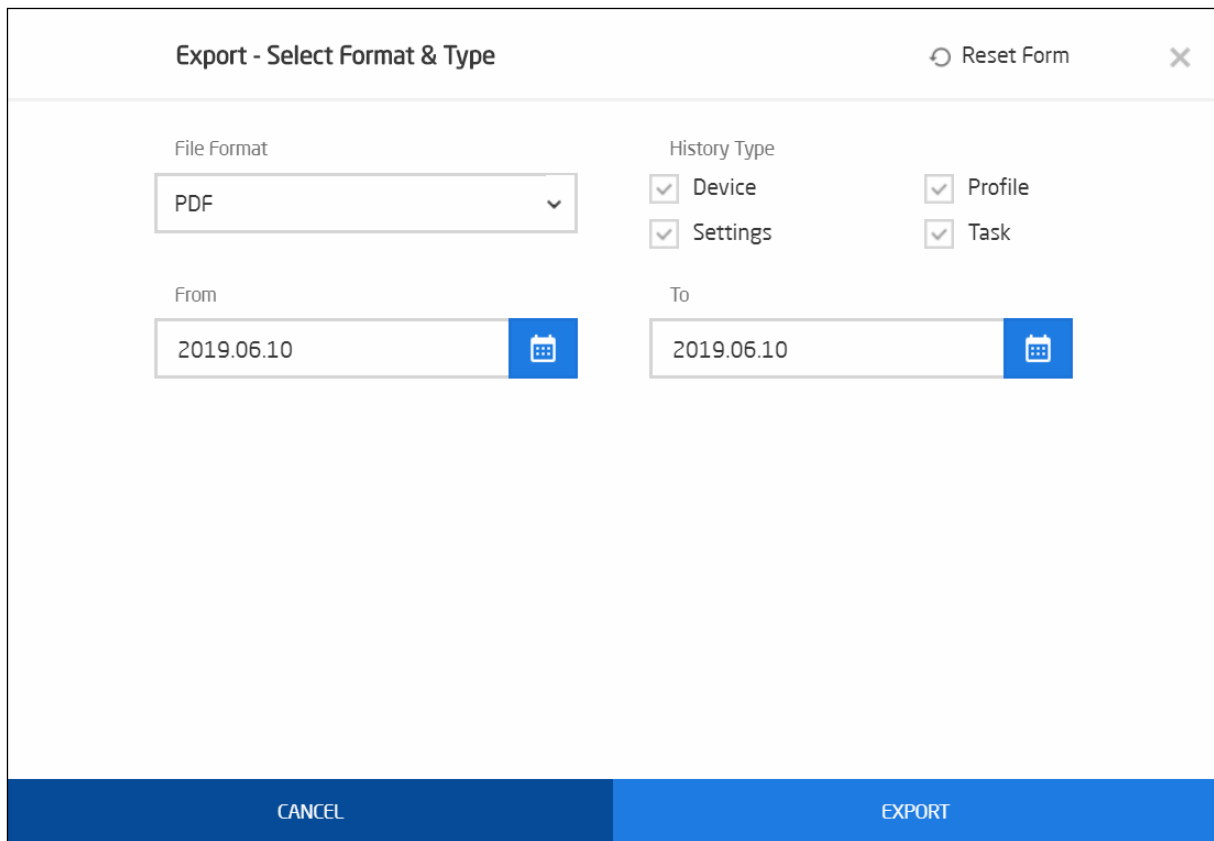


If having **Fail**  or **Warning**  in the task result, you can click the task name with underline marking in Description to show the task details. If the task was deleted, the task name doesn't have an underline for you to click and see detailed information.

If the Description text goes beyond the cell width, it shows more info icon  on the right side. Click it to show the full text, including date/time, record type, executed activity, executed result, and description.


An activity failure of adding, editing, or deleting an item in DMS is not recorded in history.

3.8.1. Export History




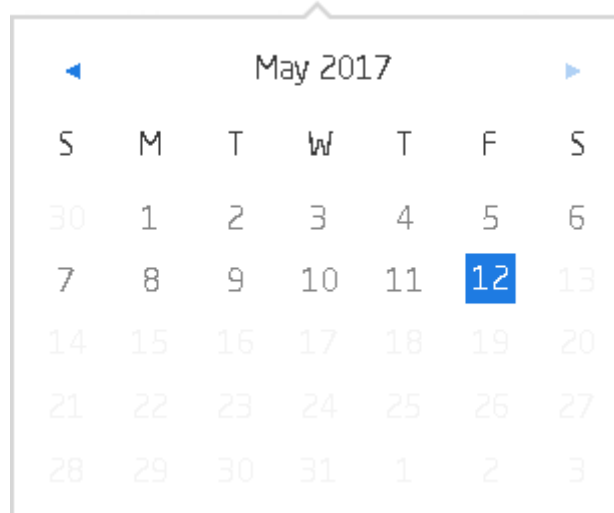
The screenshot shows a dialog box titled "Export - Select Format & Type". It includes a "Reset Form" button and a close button. The "File Format" is set to "PDF". Under "History Type", four options are checked: "Device", "Settings", "Profile", and "Task". The "From" and "To" date pickers are both set to "2019.06.10". At the bottom, there are "CANCEL" and "EXPORT" buttons.

Figure 115 Export History

Click the Export icon  to show history export setting page. Configure file format and history type, and then configure the time period.

The supported file formats are PDF, Excel, and text. The supported history types are device, profile, settings, and task. You can choose one or several history types at the same time.

Then configure the date filter. Click the calendar icon  on the From and To date to select a filter range.



After selecting the from/to date, click **EXPORT** to export history records.

Click **CANCEL** to cancel this action and return to history overview window.

3.8.2. Supported Export File Formats


 Device Management Software V2.2.0 Copyright © 2018 Leadtek Research, Inc. All Rights Reserved.			
History Report			
This is an overview of all the event in Device Management Software.			
Time	Type	Result	Description
2018.06.06 14:07	Task	Done	manager added vvvvvvvvvv.
2018.06.06 14:07	Task	Done	manager deleted vvvvvvvvvv.
2018.06.06 14:06	Task	Done	administrat0r deleted Task_P1.
2018.06.06 14:05	Task	Done	administrat0r added Task_P1.
2018.06.06 14:05	Task	Done	administrat0r deleted Task_P1.
2018.06.06 14:02	Task	Done	administrat0r added Task_P1.
2018.06.06 14:02	Task	Done	manager added vvvvvvvvvv.
2018.06.06 14:01	Task	Done	administrat0r deleted fdsafdsa.
2018.06.06 14:00	Task	Done	1808 deleted 111111111.
2018.06.06 14:00	Task	Done	1808 added 111111111.
2018.06.06 14:00	Task	Done	administrat0r added fdsafdsa.
2018.06.06 14:00	Task	Done	manager deleted fgffffff.
2018.06.06 14:00	Task	Done	manager added fgffffff.
2018.06.06 14:00	Task	Successfully	aaaaaaaaa implemented Successfully.
2018.06.06 13:59	Task	Done	manager deleted ffffdfff.
2018.06.06 13:59	Task	Done	manager added ffffdfff.
2018.06.06 13:57	Task	Done	administrat0r deleted Task_P1.
2018.06.06 13:57	Task	Done	administrat0r added Task_P1.
2018.06.06 13:51	Task	Done	administrat0r deleted Task_P1.
2018.06.06 13:48	Task	Done	1808 added aaaaaaaaaa.
2018.06.06 13:47	Task	Done	1808 deleted aaaaaaaa.
2018.06.06 13:47	Task	Done	manager added aaaaaaaa.
2018.06.06 13:44	Task	Done	administrat0r added Task_P1.
2018.06.06 14:24:48 page 1/3			

Figure 116 Export history file format - PDF

If **PDF** is selected in File Format, it exports a .pdf format file.

The exported file includes several sections. The DMS version and copyright information is shown on the upper right corner of the page. The major section shows all exported history records, including date/time, record type, executed result, and description. The latest item is shown on the top of the list.

The exported date and time is shown on the bottom left corner of the page. The current page number and the total number of pages are shown on the bottom right corner of the page.

	A	B	C	D
1	Time	Type	Result	Description
2	2017.05.11 17:00	Task	Done	1708 edited Test_InTask_Once.
3	2017.05.11 16:59	Task	Done	1708 edited Test_InTask_Once.
4	2017.05.11 16:12	Task	Done	1708 edited Test_InTask_Once.
5	2017.05.11 16:12	Task	Fail	Test_InTask_Once_3>0 was Failed. Invalid group.
6	2017.05.11 15:39	Task	Done	1708 added sTask_0_1494488400000.
7	2017.05.11 15:39	Device / Grouped	Done	1708 edited Test_InTask_01_A7.
8	2017.05.11 15:25	Task	Done	1708 added sTask_0_1494487800000.
9	2017.05.11 15:25	Device / Grouped	Done	1708 edited Test_InTask_01_A7.
10	2017.05.11 09:48	Task	Fail	sTask_1_1494553813553 was Failed. Invalid group.
11	2017.05.11 08:31	Task	Successfully	Test192_WR2_FR implemented Successfully.
12	2017.05.11 08:01	Task	Successfully	Test192_WS_Reboot_0 implemented Successfully.
13	2017.05.11 06:03	Task	Successfully	Test192_Once_FW_0 implemented Successfully.
14	2017.05.11 04:01	Task	Successfully	Test192_MR3_Off implemented Successfully.
15	2017.05.11 03:02	Task	Successfully	Test192_MR1_FW implemented Successfully.
16	2017.05.10 22:15	Task	Fail	Test192_Once_FS_NoG was Failed. Invalid group.
17	2017.05.10 22:01	Task	Warning	Some erros in Test192_MS_UpDev. 0030040DB30C_0030040DB309_0030040DB30C_0030040DB309 was not implemented.
18	2017.05.10 22:01	Task	Successfully	Test192_MS_UpConn implemented Successfully.
19	2017.05.10 22:01	Task	Successfully	Test192_MS_FW implemented Successfully.
20	2017.05.10 22:01	Task	Successfully	Test192_MS_FS implemented Successfully.
21	2017.05.10 20:30	Task	Successfully	N/A implemented Successfully.
22	2017.05.10 18:35	Device / Grouped	Done	1708 edited Test_InGroup_48.
23	2017.05.10 18:34	Device / Grouped	Done	1708 edited Test_InGroup_48.
24	2017.05.10 18:34	Device / Grouped	Done	1708 edited Test_InGroup_48.
25	2017.05.10 18:30	Task	Done	1708 added sTask_2_1494498605746.
26	2017.05.10 18:29	Profile / Connection Profile	Done	1708 edited Test_InGroup.
27	2017.05.10 18:29	Device / Grouped	Done	1708 added Test_InGroup_47.
28	2017.05.10 18:26	Task	Done	1708 added sTask_2_1494412252087.
29	2017.05.10 18:26	Profile / Connection Profile	Done	1708 edited Test_InGroup.
30	2017.05.10 18:24	Task	Done	1708 added sTask_1_1494498342956.
31	2017.05.10 18:24	Profile / Device Profile	Done	1708 edited Test_InGroup_A7.
32	2017.05.10 18:23	Device / Grouped	Done	1708 edited Test_InTask_01_A7.

Figure 117 Export history file format - Excel

If **EXCEL** is selected in File Format, it exports an excel format file.

The exported file includes four columns: date/time, record type, executed result, and description. The latest item is shown on the top of the list.


```

"Time","Type","Result","Description"
"2017.05.11 17:00","Task","Done","1708 edited Test_InTask_Once."
"2017.05.11 16:59","Task","Done","1708 edited Test_InTask_Once."
"2017.05.11 16:12","Task","Done","1708 edited Test_InTask_Once."
"2017.05.11 16:12","Task","Fail","Test_InTask_Once_3>0 was Failed. Invalid group."
"2017.05.11 15:39","Task","Done","1708 added sTask_0_1494488400000."
"2017.05.11 15:39","Device / Grouped ","Done","1708 edited Test_InTask_01_A7."
"2017.05.11 15:25","Task","Done","1708 added sTask_0_1494487800000."
"2017.05.11 15:25","Device / Grouped ","Done","1708 edited Test_InTask_01_A7."
"2017.05.11 09:48","Task","Fail","sTask_1_1494553813553 was Failed. Invalid group."
"2017.05.11 08:31","Task","Successfully","Test192_WR2_FR implemented Successfully."
"2017.05.11 08:01","Task","Successfully","Test192_WS_Reboot_0 implemented Successfully."
"2017.05.11 06:03","Task","Successfully","Test192_Once_FW_0 implemented Successfully."
"2017.05.11 04:01","Task","Successfully","Test192_MR3_Off implemented Successfully."
"2017.05.11 03:02","Task","Successfully","Test192_MR1_FW implemented Successfully."
"2017.05.10 22:15","Task","Fail","Test192_Once_FS_NoG was Failed. Invalid group."
"2017.05.10 22:01","Task","Warning","Some erros in Test192_MS_UpDev. 0030040DB30C , 0030040DB30C , 0030040DB30C , 0030040DB309 was not implemented."
"2017.05.10 22:01","Task","Successfully","Test192_MS_UpConn implemented Successfully."
"2017.05.10 22:01","Task","Successfully","Test192_MS_FW implemented Successfully."
"2017.05.10 22:01","Task","Successfully","Test192_MS_FS implemented Successfully."
"2017.05.10 20:30","Task","Successfully","N/A implemented Successfully."
"2017.05.10 18:35","Device / Grouped ","Done","1708 edited Test_InGroup_48."
"2017.05.10 18:34","Device / Grouped ","Done","1708 edited Test_InGroup_48."
"2017.05.10 18:34","Device / Grouped ","Done","1708 edited Test_InGroup_48."
"2017.05.10 18:30","Task","Done","1708 added sTask_2_1494498605746."
"2017.05.10 18:29","Profile / Connection Profile","Done","1708 edited Test_InGroup."
"2017.05.10 18:29","Device / Grouped ","Done","1708 added Test_InGroup_47."
"2017.05.10 18:26","Task","Done","1708 added sTask_2_1494412252087."
"2017.05.10 18:26","Profile / Connection Profile","Done","1708 edited Test_InGroup."
"2017.05.10 18:24","Task","Done","1708 added sTask_1_1494498342956."
    
```

Figure 118 Export history file format - Text

If **TEXT** is selected in File Format, it exports a text format file.

Each exported data is put within inverted commas “ ”. A comma mark (,) separates two exported data.

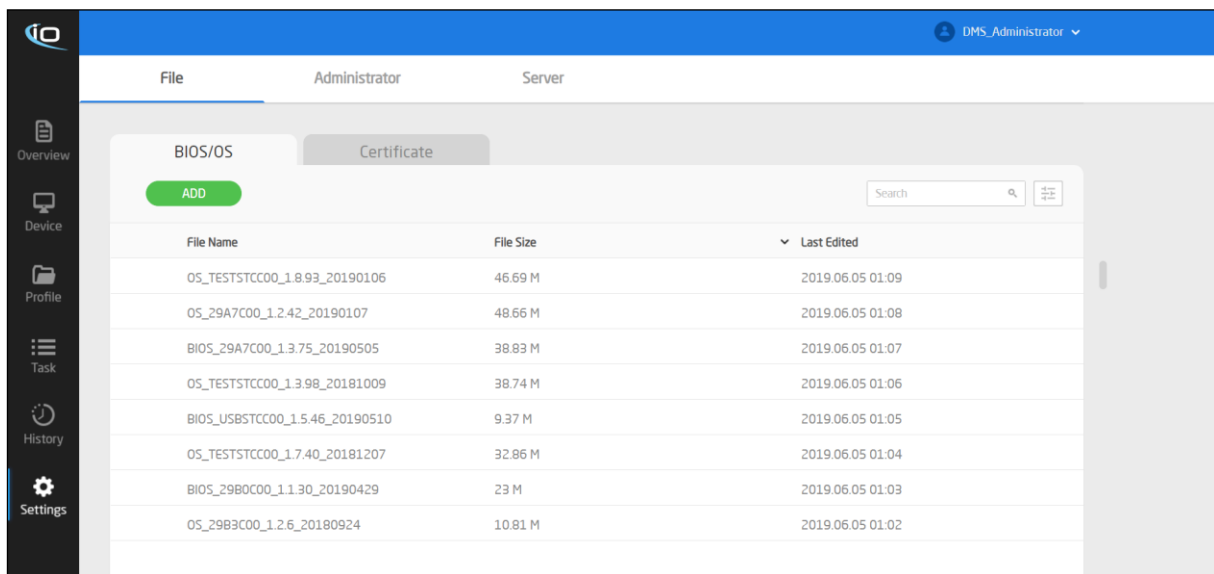
The exported file includes four items of information: date/time, record type, executed result, and description. The latest item is shown on the top of the list.

3.9 Settings

The Settings page lets you configure and manage device firmware, connection certificate file, DMS user account, and server. Only administrators can configure the settings. The account and DMS setting are configured with defaulted values. You can change the settings depending on the actual circumstances.

3.9.1. File

(1) BIOS/OS






File Name	File Size	Last Edited
OS_TESTSTCC00_1.8.93_20190106	46.69 M	2019.06.05 01:09
OS_29A7C00_1.2.42_20190107	48.66 M	2019.06.05 01:08
BIOS_29A7C00_1.3.75_20190505	38.83 M	2019.06.05 01:07
OS_TESTSTCC00_1.3.98_20181009	38.74 M	2019.06.05 01:06
BIOS_USBSTCC00_1.5.46_20190510	9.37 M	2019.06.05 01:05
OS_TESTSTCC00_1.7.40_20181207	32.86 M	2019.06.05 01:04
BIOS_29B0C00_1.1.30_20190429	23 M	2019.06.05 01:03
OS_29B3C00_1.2.6_20180924	10.81 M	2019.06.05 01:02

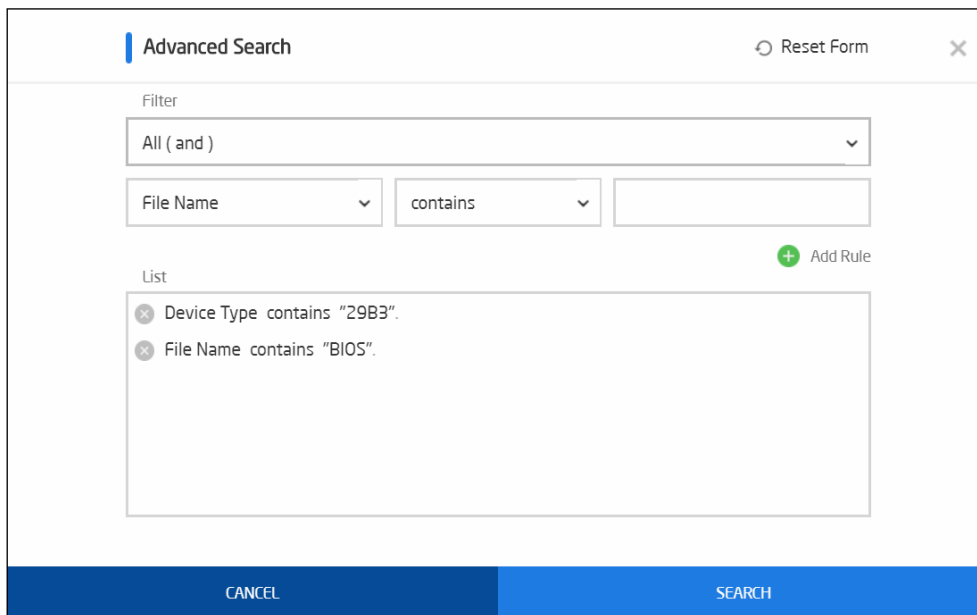
Figure 119 Device BIOS/OS Setting

Click **Settings** in the left side of the screen. The default window is on BIOS/OS setting page, which shows device file information, including BIOS and OS.

The BIOS/OS page shows device file information, including file name, file size, and the last edited time.

In search field , you can search any data that meets your search criteria.

Click the advanced search icon  to show advanced search screen. You can define search criteria to find particular data in file setting screen. After choosing the criteria you want to use and entering your search words, click the add rule icon  **Add Rule** to add rule in search list. You can add one or several search criteria. After completing the setting, click **SEARCH** to start data searching; click **CANCEL** or icon  to close search screen and go back to BIOS/OS setting screen.



Click each column header to sort the data in order of letter or number.

File Name
BIOS_29A7C00_1.2.94_20181212
BIOS_29A7C00_1.4.34_20180822
BIOS_29A7C00_1.4.35_20180620
BIOS_29A7C00_1.4.75_20180216

Sort data in ascending order




File Name
OS_USBSTCC00_1.7.55_20181110
OS_USBSTCC00_1.7.26_20181019
OS_USBSTCC00_1.6.19_20180309
OS_USBSTCC00_1.3.59_20180515

Sort data in descending order

Choose a file from the list and click a toolbar icon at the top of the window



to edit, view, or delete the file.

- Click the edit icon  in the toolbar to edit the file data.
- Click the view icon  in the toolbar to view the file information.
- Click the delete icon  in the toolbar to delete the file.

Right-click a file from the list to show a shortcut list of editing, viewing, and deleting a file, which is the same as the icons in the toolbar.

File Name	File Size	Last Edited
BIOS_29B3C00_1.5.26_20180421	17.99 M	2019.01.17 01:35
OS_29B1C00_1.6.55_20180313		2019.01.17 01:34
BIOS_TESTSTCC00_1.1.47_20180423		2019.01.17 01:33
BIOS_29B3C00_1.2.79_20180529	13.86 M	2019.01.17 01:32

A. Add BIOS/OS

Before adding a file, ensure Device Type data has been created and configured in DMS. Currently DMS only support BIOS and OS update for thin clients installed with LvOS operating system.

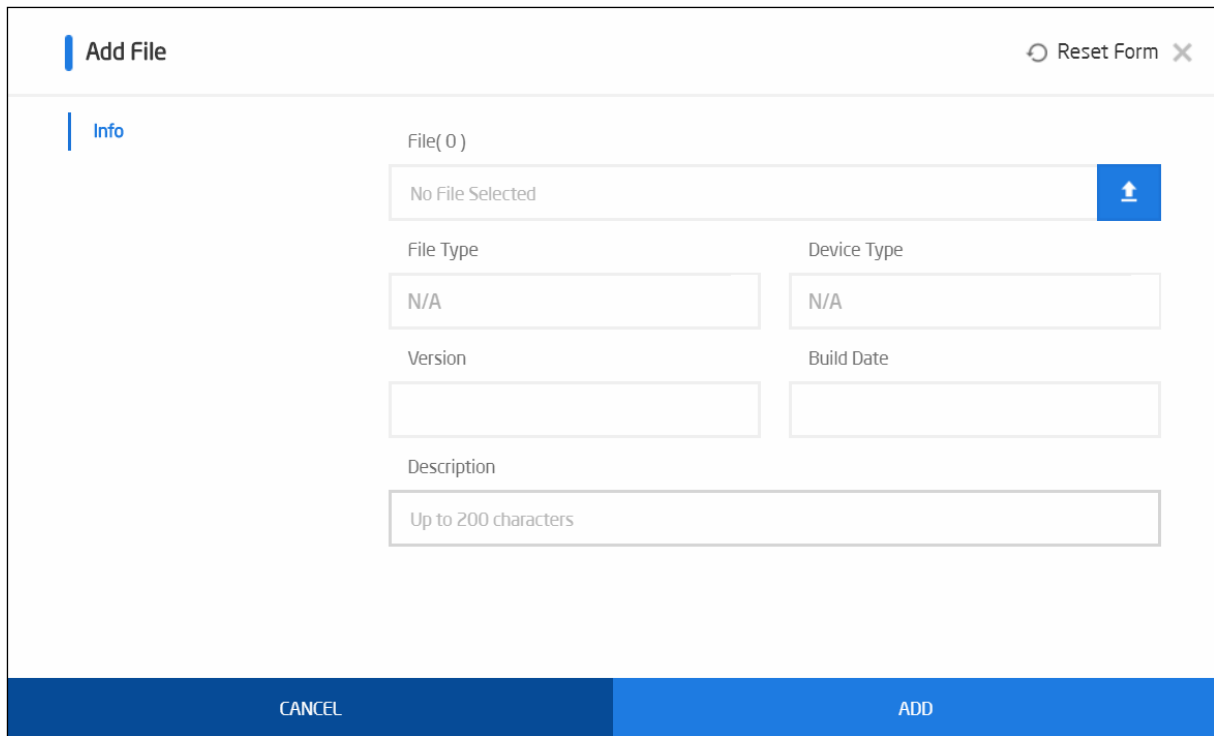









Figure 120 Add File

Click the ADD icon  in File setting page to create a new file item. Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

- In Info page, there are several items which include file upload, file type, device type, file version, build date, and description. Only the fields file upload and description can be edited. Others are read-only fields.
- File (X): Select the file you would like to upload. You can select one or many files. Click the upload icon  to show the file selection page. After confirming, this field shows the file name and file number (X). The upload file icon  is changed to the view file icon . Click the icon to expand and show the file list you want to upload. Click the leave icon  to collapse the expanded file list. This field must be chosen.

- DMS will check the uploaded file name. The file name rule is: **file type_device type_version_build date**. The **File Type** is BIOS or OS. The **Device Type** must exist in DMS beforehand. For instance: 29B3C00. **Version** only allows numbers (0-9) and periods (.). **Build Date** is an 8-digit number representing the date (yyyymmdd) of releasing the file. The date cannot be greater than the uploading date (no future date is allowed).
- DMS will check the uploaded file and automatically fill its relevant information in read-only fields, such as file type, device type, version, and build date.
- Description: Lets you enter the file description. The length of the description is 200 characters. This field is optional.
- Click **ADD** to add the new file and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon  **Reset Form** to reset the page content back to the default state and the first setting page.
- Click **CANCEL** or icon  to restore your previous settings and leave the page.

B. View BIOS/OS

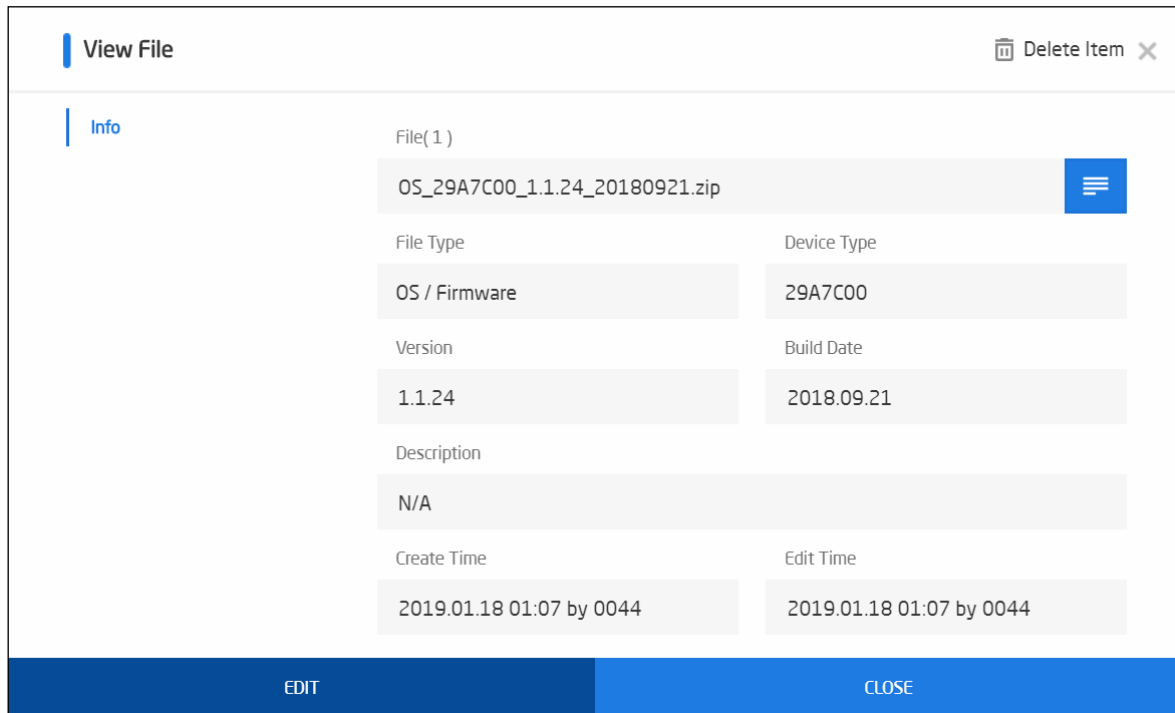






Figure 121 View File - 1

Choose a file from the list and click the view icon  in the toolbar to view file configuration information. You can also right-click a file from the list to show the **View** option.

The window shows file information, including file name and number (X), file type, device type, version, build date, description, created and edited time.

Click the expand icon  to expand and show uploaded file list. Click the Leave icon  to collapse the expanded file list.

Click **EDIT** to enter file editing page.

Click **CLOSE** or icon  to close the page and return to file overview window.

Click the **Delete Item** icon  **Delete Item** to delete the file item.

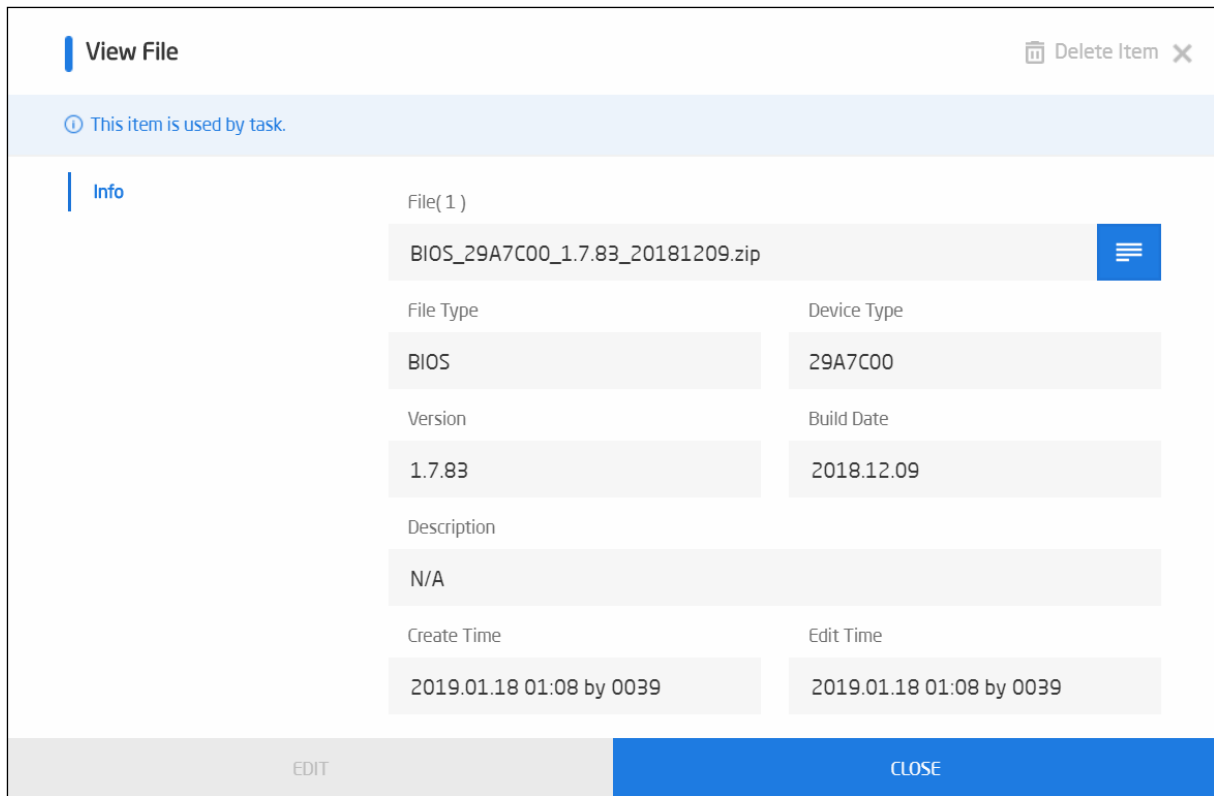



Figure 122 View File - 2

If the viewing file was assigned in a task, a message **This item is used by task.** appears on the View File window. You can only view a scheduled file and its details but cannot edit or delete it.

Click **CLOSE** or icon  to leave the View File window.

C. Edit BIOS/OS

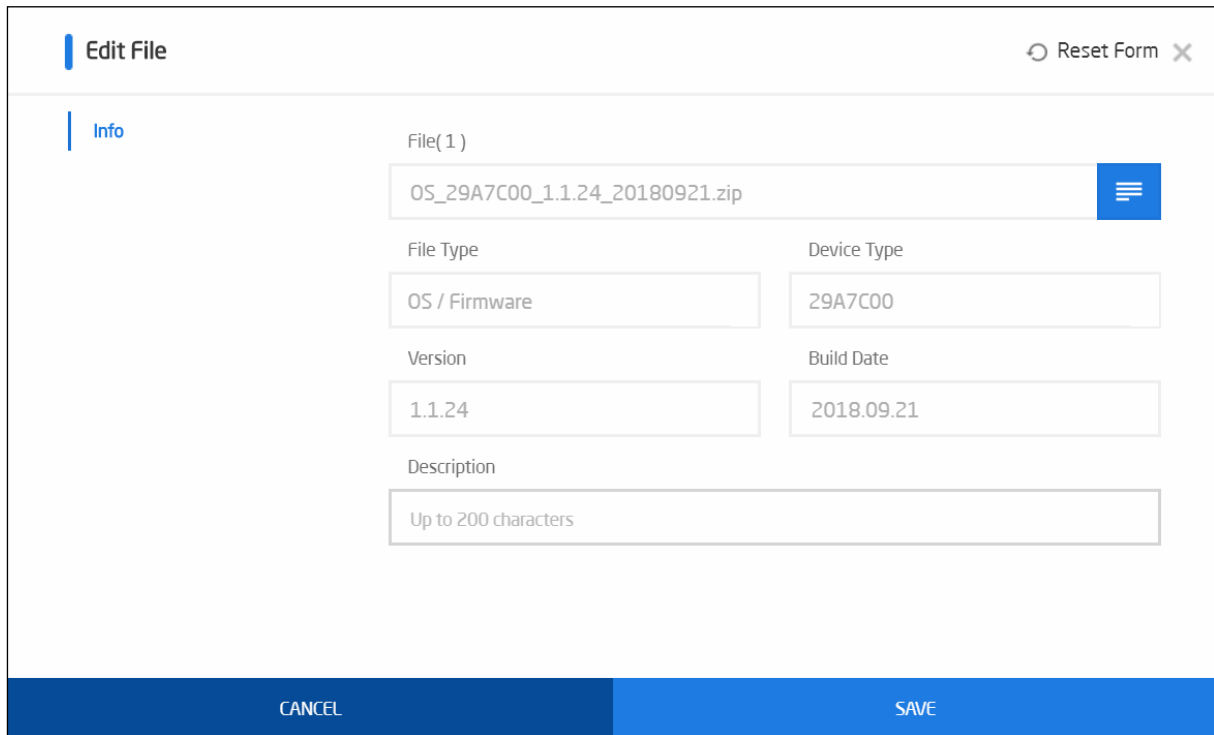







Figure 123 Edit File

Choose a file from the list and click the edit icon  in the toolbar to edit file configuration. You can also right-click a file from the list to show the **Edit** option. Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

- In Info page, there are several items which include file upload, file type, device type, file version, build date, and description. Only the field **Description** can be edited. Others are read-only fields.
- **Note:** DMS version 2.3.0 and above only support firmware (OS) uploading feature. Due to the change of file format and verifying mechanism in newer DMS versions, you are not able to save older firmware files successfully, when the older files are edited and saved.
- Device Type: This field is read only and cannot be modified.
- File (X): This field is read only and cannot be modified. This field shows the file name and file number (X means the number). Click the

view file icon  to expand and show the applied file list. Click the Leave icon  to collapse the expanded file list.

- File Type, device type, version and build date are read only and cannot be modified.
- Description: Lets you enter the file description. The length of the description is 200 characters. This field is optional.
- Click **SAVE** to save the changes and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon  **Reset Form** to reset the page back to the default state.
- Click **CANCEL** or icon  to cancel the changes and leave the editing page.

D. Delete BIOS/OS

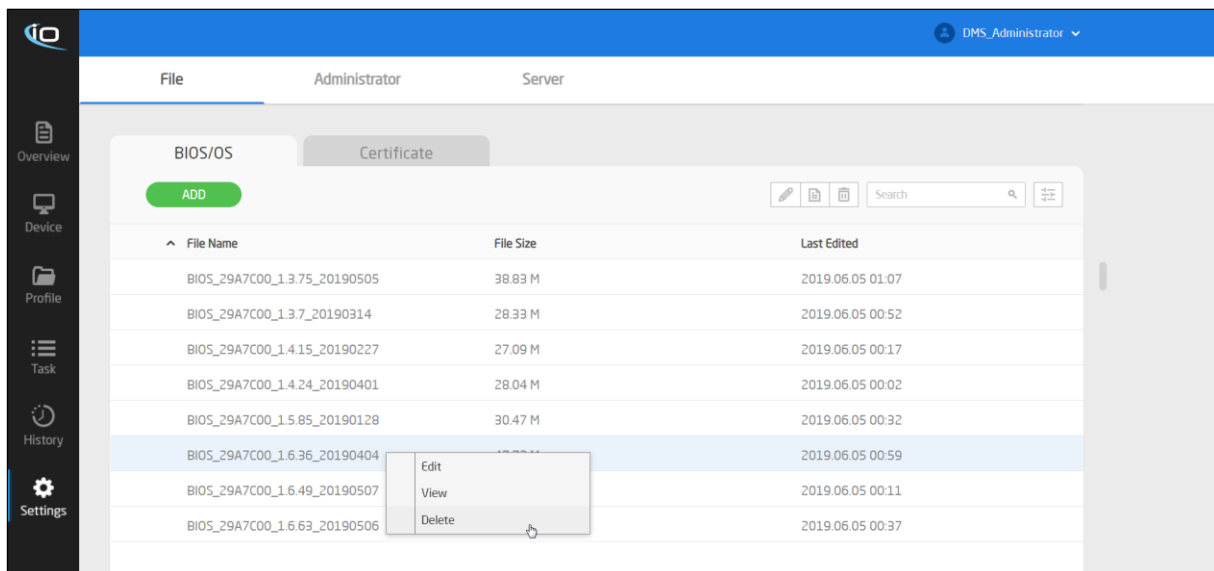



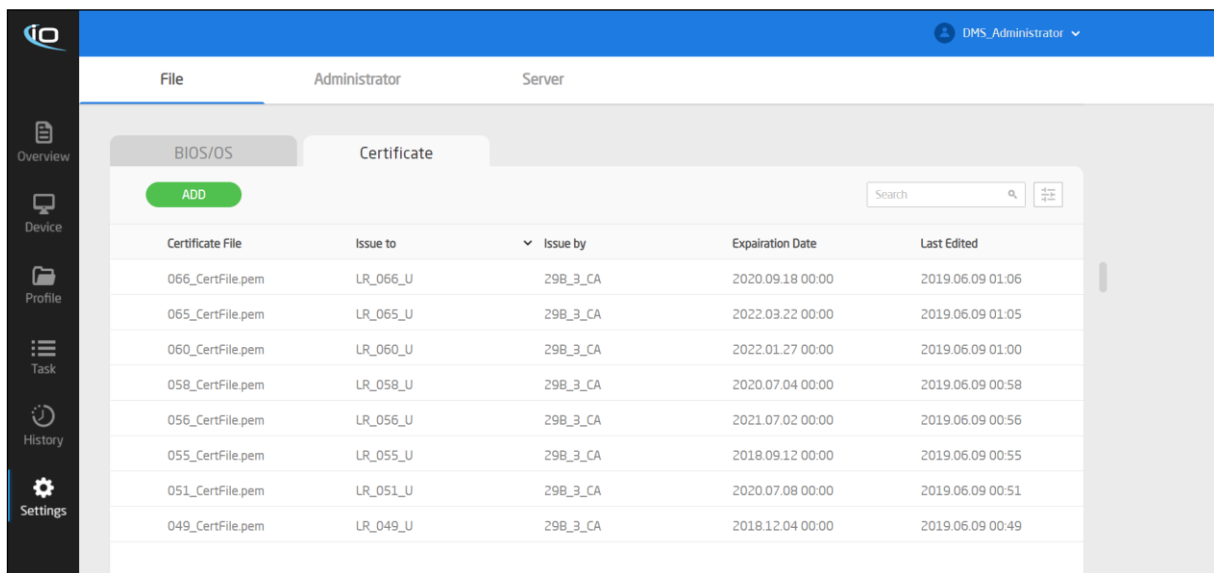
Figure 124 Delete File

Choose a file from the list and click the delete icon  in the toolbar to delete the selected file. You can also right-click a file from the list to show the **Delete** option.

A confirmation dialogue appears. Click **Cancel** to leave the window without changes or click **Delete** to confirm the deletion.

When a file updating task is processing on some devices, the file cannot be deleted.


(2) Certificate






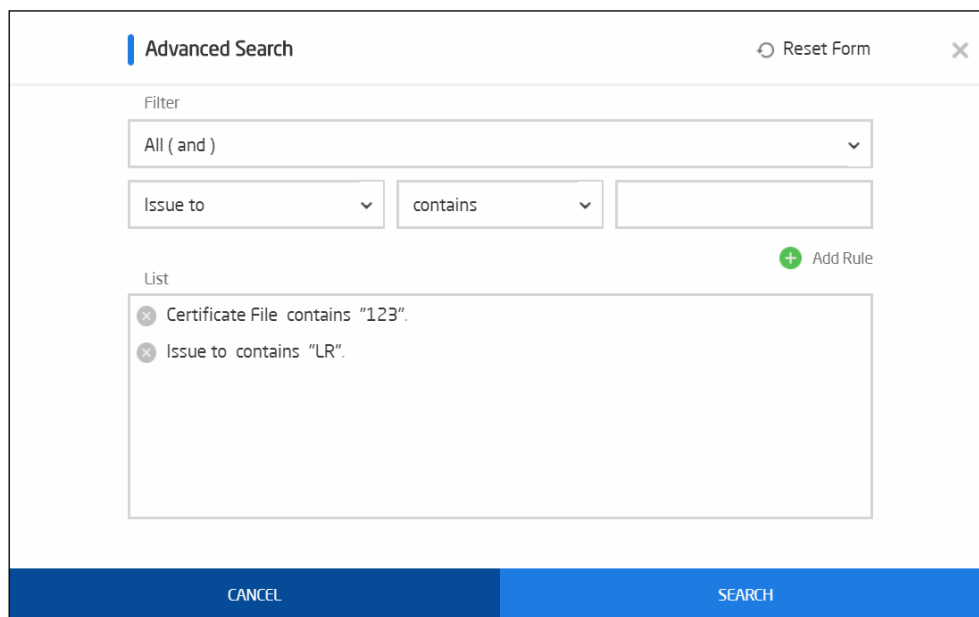
Certificate File	Issue to	Issue by	Expiration Date	Last Edited
066_CertFile.pem	LR_066_U	29B_3_CA	2020.09.18 00:00	2019.06.09 01:06
065_CertFile.pem	LR_065_U	29B_3_CA	2022.03.22 00:00	2019.06.09 01:05
060_CertFile.pem	LR_060_U	29B_3_CA	2022.01.27 00:00	2019.06.09 01:00
058_CertFile.pem	LR_058_U	29B_3_CA	2020.07.04 00:00	2019.06.09 00:58
056_CertFile.pem	LR_056_U	29B_3_CA	2021.07.02 00:00	2019.06.09 00:56
055_CertFile.pem	LR_055_U	29B_3_CA	2018.09.12 00:00	2019.06.09 00:55
051_CertFile.pem	LR_051_U	29B_3_CA	2020.07.08 00:00	2019.06.09 00:51
049_CertFile.pem	LR_049_U	29B_3_CA	2018.12.04 00:00	2019.06.09 00:49

Figure 125 Certificate Setting

Click **Settings** in the left side of the screen and then click **Certificate** page, which shows previously uploaded certificate information, including file name, issue to/by, expiration date, and the last edited time.

In search field , you can search any data that meets your search criteria.

Click the advanced search icon  to show advanced search screen. You can define search criteria to find particular data in file setting screen. After choosing the criteria you want to use and entering your search words, click the add rule icon  **Add Rule** to add rule in search list. You can add one or several search criteria. After completing the setting, click **SEARCH** to start data searching; click **CANCEL** or icon  to close search screen and go back to certificate setting screen.



Click each column header to sort the data in order of letter or number.

^ Certificate File
001_CertFile.pem
002_CertFile.pem
003_CertFile.pem
004_CertFile.pem

Sort data in ascending order





▼ Certificate File
066_CertFile.pem
065_CertFile.pem
064_CertFile.pem
063_CertFile.pem

Sort data in descending order

Choose a file from the list and click a toolbar icon at the top of the window

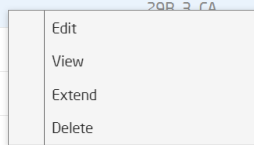


to edit, view, extend, or delete the certificate file.

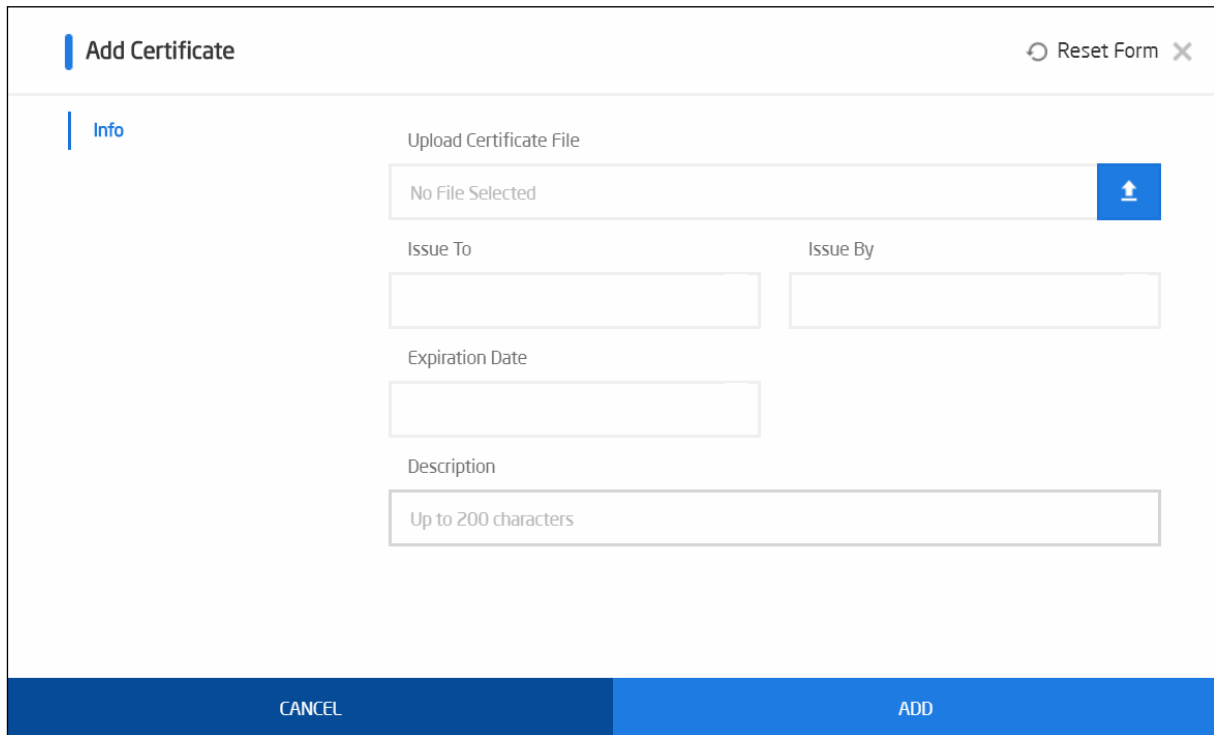
- Click the edit icon  in the toolbar to edit the certificate.
- Click the view icon  in the toolbar to view the certificate details.
- Click the extend icon  in the toolbar to extend the certificate period.
- Click the delete icon  in the toolbar to delete the certificate.

Right-click a file from the list to show a shortcut list of editing, viewing, extending, and deleting a certificate, which is the same as the icons in the toolbar.

073_CertFile.pem	LR_073_U	2018.12.24 00:00	2019.06.09 01:13
070_CertFile.pem	LR_070_U	2022.05.18 00:00	2019.06.09 01:10
065_CertFile.pem	LR_065_U	2021.12.19 00:00	2019.06.09 01:05
054_CertFile.pem	LR_054_U	2021.03.28 00:00	2019.06.09 00:54



A. Add Certificate







The screenshot shows a web form titled "Add Certificate". At the top right, there is a "Reset Form" button with a refresh icon and a close icon. The form is divided into sections. The first section is labeled "Info" and contains the following fields:


- Upload Certificate File:** A text box containing "No File Selected" and a blue square button with a white upload icon.
- Issue To:** A text input field.
- Issue By:** A text input field.
- Expiration Date:** A text input field.
- Description:** A text input field with a placeholder "Up to 200 characters".



At the bottom of the form, there are two buttons: "CANCEL" on the left and "ADD" on the right.

Figure 126 Add Certificate

Click the ADD icon  in Certificate setting page to create a new certificate item. Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

- In Info page, there are several items which include upload certificate file, issue to/by, expiration date, and description. Only the fields **Upload Certificate File** and **Description** can be edited. Others are read-only fields.
- Upload Certificate File: Select the certificate file you would like to upload. You can only select one file with file format .pem. If your certificate uses other format, you have to use openssl software or other software to transfer it to .pem before uploading. Click the upload icon  to show the file selection page. After confirming, this field shows the file name. The upload file icon  is changed to the view file icon . Click the icon to expand and show the file list you want

to upload. Click the leave icon  to collapse the expanded file list. This field must be chosen.

- DMS will check the uploading file format and content. If the certificate was expired or cannot interpret the certificate content, the upload will fail and show an error message. Also, an existing certificate cannot be uploaded again.
- DMS will check the uploaded file and automatically fill its relevant information in read-only fields, such as issue to, issue by, and expiration date.
- Description: Lets you enter the certificate description. The length of the description is 200 characters. This field is optional.
- Click **ADD** to add the new certificate file and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon  **Reset Form** to reset the page content back to the default state and the first setting page.
- Click **CANCEL** or icon  to restore your previous settings and leave the page.

B. View Certificate

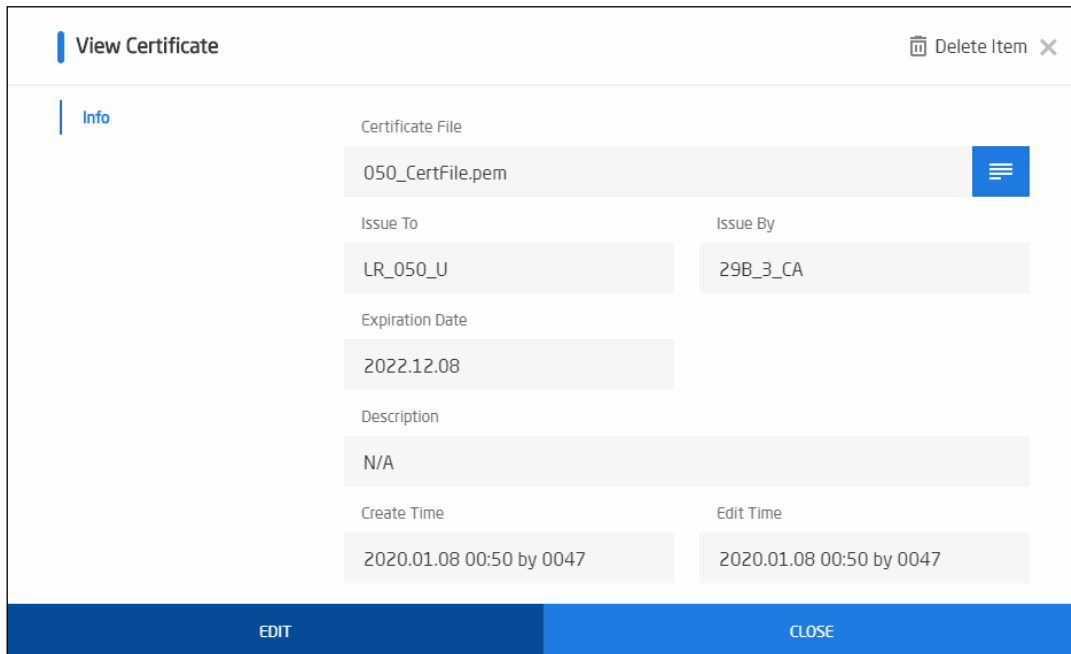






Figure 127 View Certificate

Choose a file from the list and click the view icon  in the toolbar to view certificate information. You can also right-click a file from the list to show the **View** option.

The window shows previously uploaded certificate information, including file name, issue to/by, expiration date, description, and the added/edited date.

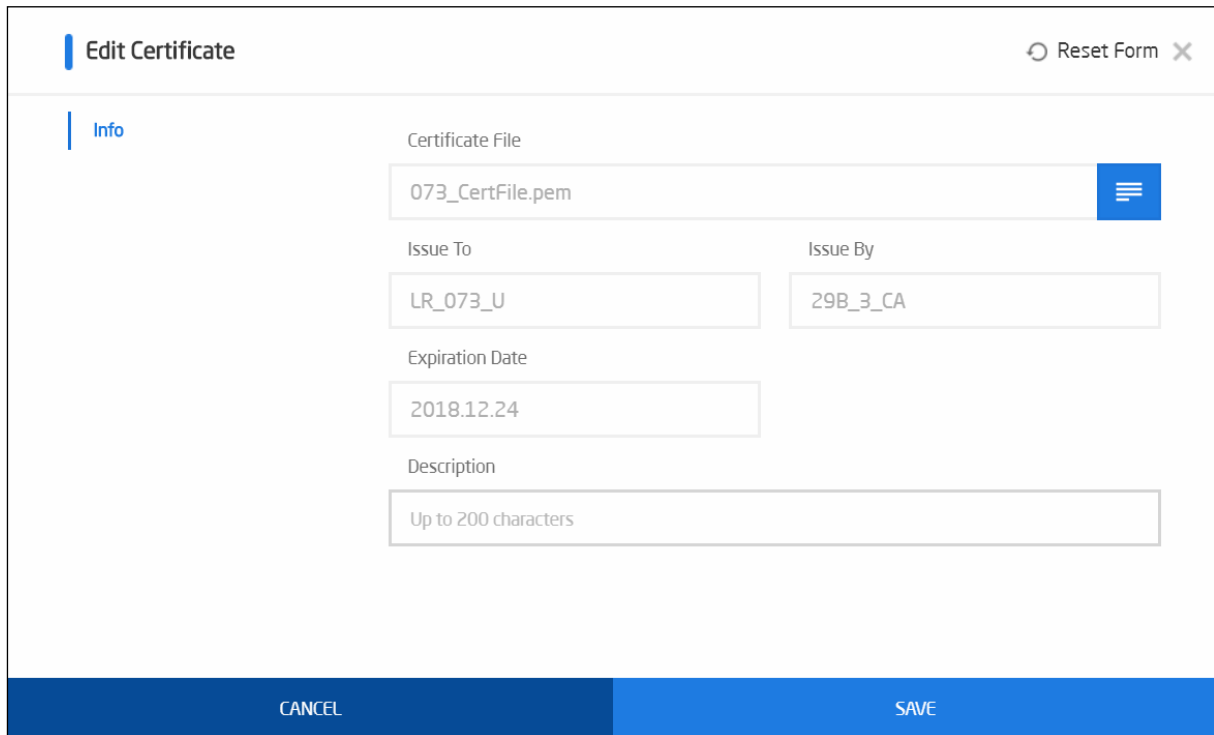
Click the expand icon  to expand and show uploaded certificate list. Click the Leave icon  to collapse the expanded file list.

Click **EDIT** to enter file editing page.

Click **CLOSE** or icon  to close the page and return to file overview window.

Click the **Delete Item** icon  **Delete Item** to delete the file item.

C. Edit Certificate



Edit Certificate Reset Form X

Info

Certificate File
073_CertFile.pem ☰

Issue To
LR_073_U


Issue By
29B_3_CA



Expiration Date
2018.12.24

Description
Up to 200 characters



CANCEL **SAVE**

Figure 128 Edit Certificate

Choose a certificate from the list and click the edit icon  in the toolbar to edit certificate configuration. You can also right-click a file from the list to show the **Edit** option. Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

- In Info page, there are several items which include upload certificate file, issue to/by, expiration date, and description. Only the field **Description** can be edited. Others are read-only fields.
- Upload Certificate File: This field is read only and cannot be modified. This field shows the certificate name. Click the view file icon  to expand and show the applied file list. Click the Leave icon  to collapse the expanded file list.
- Issue To, Issue By, and Expiration Date are read only and cannot be modified.
- Description: Lets you enter the certificate description. The length of

the description is 200 characters. This field is optional.

- Click **SAVE** to save the changes and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon  **Reset Form** to reset the page back to the default state.
- Click **CANCEL** or icon  to cancel the changes and leave the editing page.

D. Extend Certificate

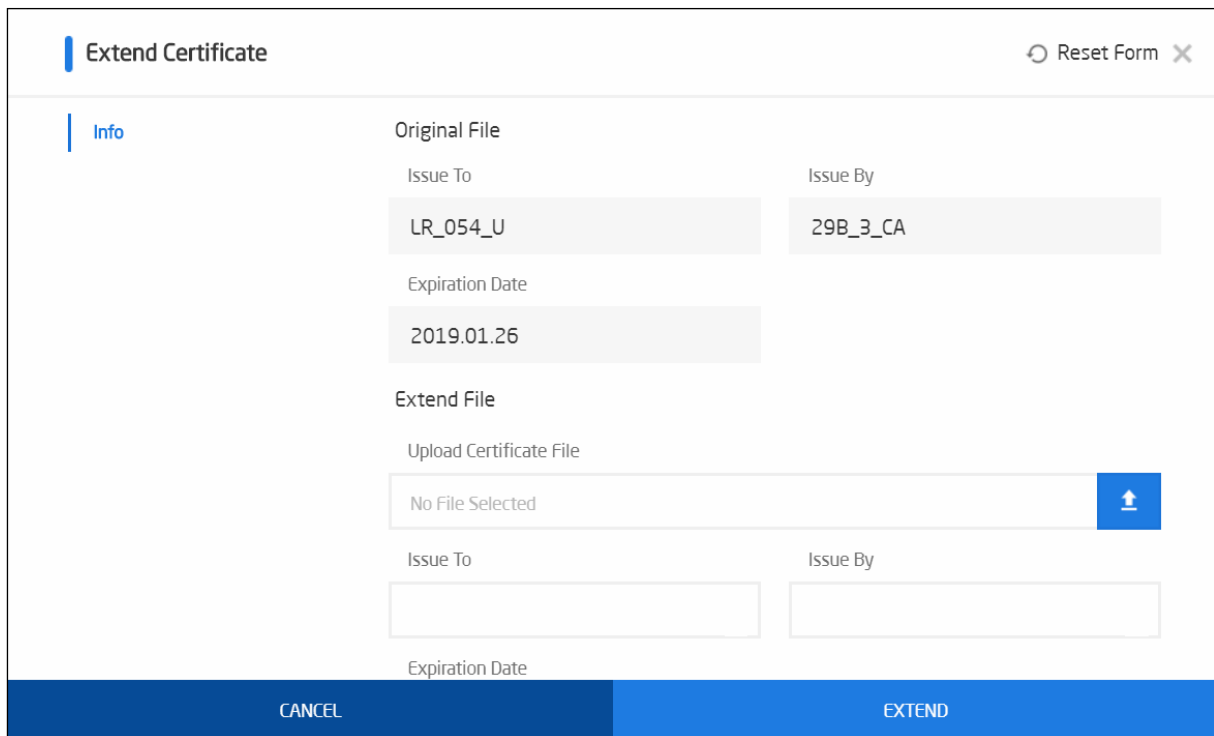









Figure 129 Extend Certificate

Choose an expired certificate from the list and click the extend icon  in the toolbar to extend certificate. You can also right-click the expired certificate from the list to show the **Extend** option. Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

- In Info page, there are two display blocks: original file and extend file. The original file shows read-only fields: issue to, issue by, and expiration date.
- Upload Certificate File: In extend file, select the certificate file you would like to upload. You can only select one file with file format .pem. If your certificate uses other format, you have to use openssl software or other software to transfer it to .pem before uploading. Click the upload icon  to show the file selection page. After confirming, this field shows the file name. The upload file icon  is changed to the view file icon . Click the icon to expand and show the file list you want to upload. Click the leave icon  to collapse the expanded file list. This field must be chosen.
- DMS will check the uploading file format and content. If the certificate was expired or cannot interpret the certificate content, the upload will fail and show an error message. Also, if the extend certificate file doesn't match the original issuing unit and the issuer, the new certificate cannot be successfully uploaded.
- DMS will check the uploaded file and automatically fill its relevant information in read-only fields, such as issue to, issue by, and expiration date.
- Click **EXTEND** to save the changes and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon  **Reset Form** to reset the page back to the default state.
- Click **CANCEL** or icon  to cancel the changes and leave the extending page.

E. Delete Certificate

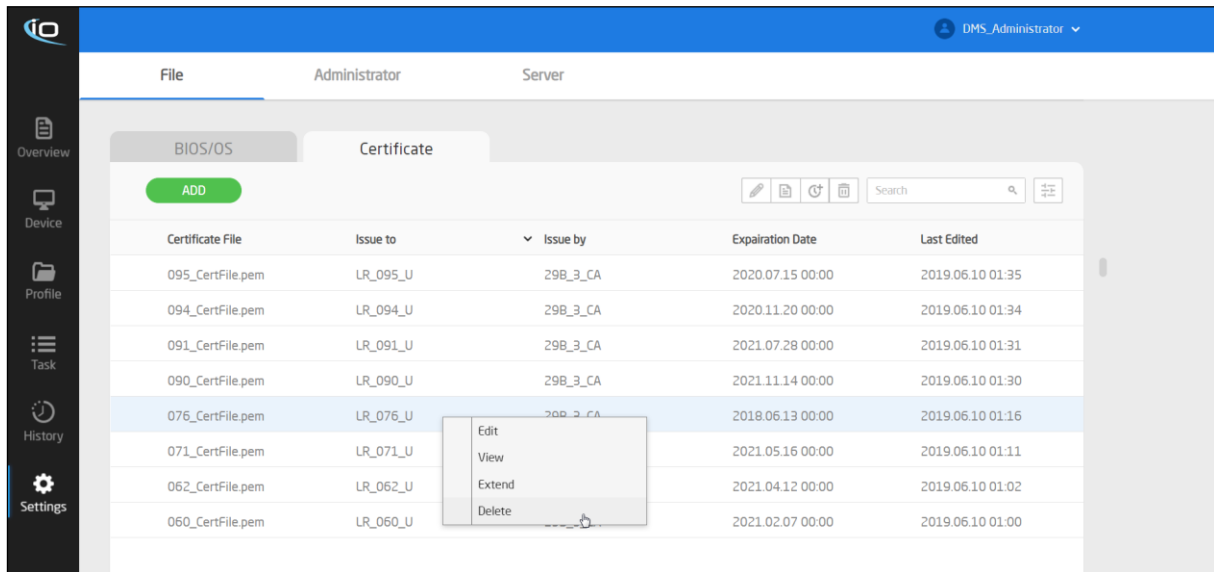



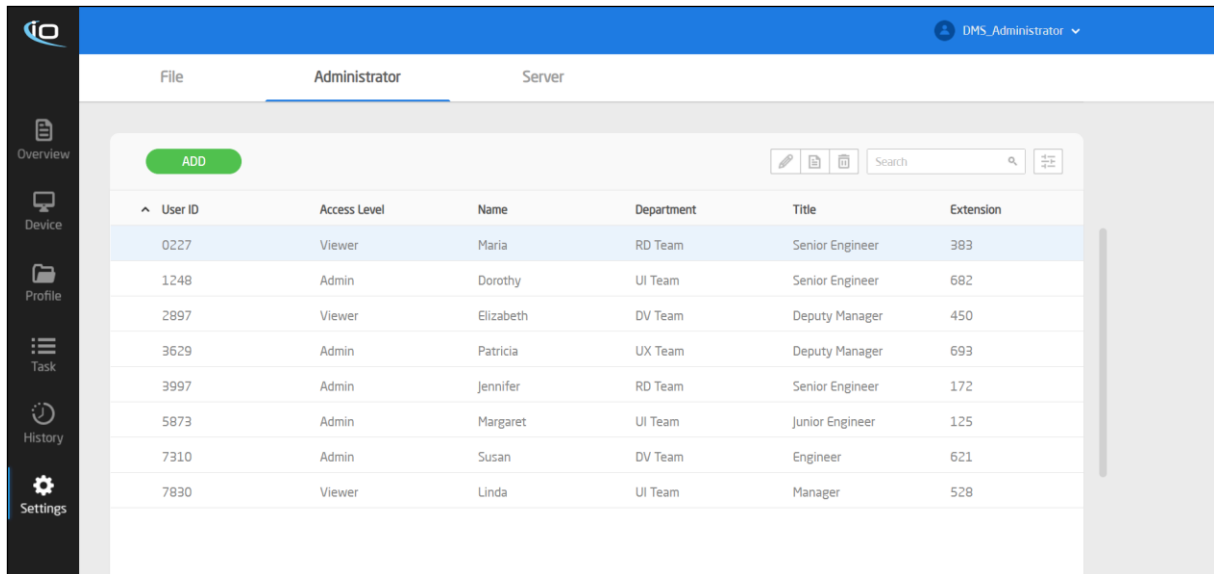
Figure 130 Delete Certificate

Choose a file from the list and click the delete icon  in the toolbar to delete the selected certificate. You can also right-click a file from the list to show the **Delete** option.

A confirmation dialogue appears. Click **Cancel** to leave the window without changes or click **Delete** to confirm the deletion.

When a certificate is applied to a group, the file cannot be deleted.

3.9.2. Administrator





User ID	Access Level	Name	Department	Title	Extension
0227	Viewer	Maria	RD Team	Senior Engineer	383
1248	Admin	Dorothy	UI Team	Senior Engineer	682
2897	Viewer	Elizabeth	DV Team	Deputy Manager	450
3629	Admin	Patricia	UX Team	Deputy Manager	693
3997	Admin	Jennifer	RD Team	Senior Engineer	172
5873	Admin	Margaret	UI Team	Junior Engineer	125
7310	Admin	Susan	DV Team	Engineer	621
7830	Viewer	Linda	UI Team	Manager	528

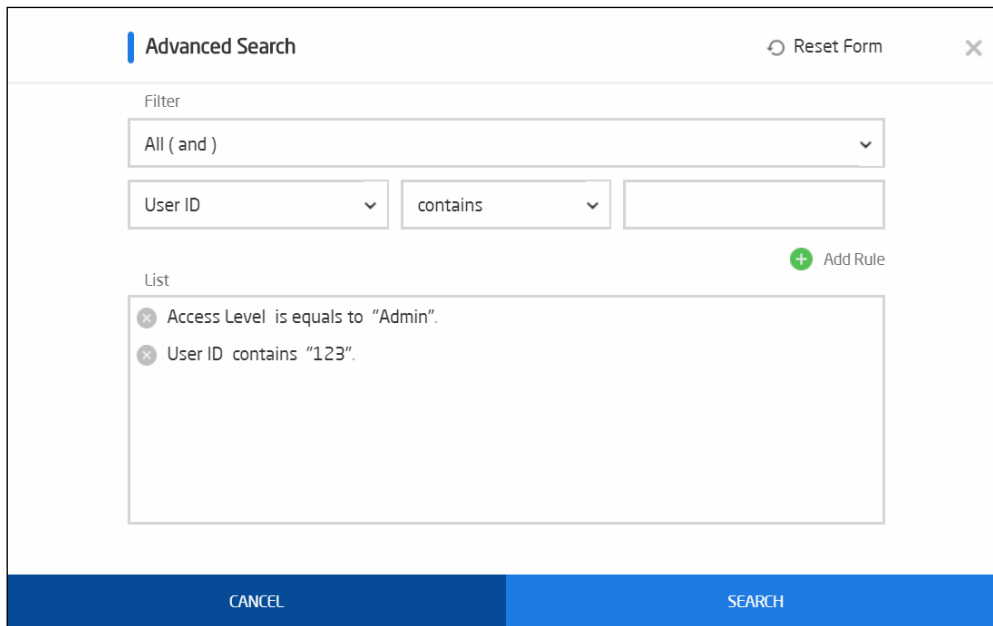
Figure 131 Administrator Setting

Click **Settings** in the left side of the screen and move to **Administrator** page. It shows DMS user information.

The Administrator page shows established DMS user information, including user ID, access level, user name, department, job title, and phone extension.

In search field , you can search any data that meets your search criteria.

Click the advanced search icon  to show advanced search screen. You can define search criteria to find particular data in administrator setting screen. After choosing the criteria you want to use and entering your search words, click the add rule icon  **Add Rule** to add rule in search list. You can add one or several search criteria. After completing the setting, click **SEARCH** to start data searching; or click **CANCEL** to close search screen and go back to administrator setting screen.



Click each column header to sort the data in order of letter or number.

^ User ID
1708
1852
admin
viewer

Sort data in ascending order




v User ID
viewer
admin
1852
1708

Sort data in descending order

Choose a user from the list and click a toolbar icon at the top of the window



to edit, view, or delete the user data.

- Click the edit icon  in the toolbar to edit the user data.
- Click the view icon  in the toolbar to view the user information.
- Click the delete icon  in the toolbar to delete the user.

Right-click a user from the list to show a shortcut list of editing, viewing, and deleting a user, which is the same as the icons in the toolbar.

^ User ID	Access Level	Name	Department	Title	Extension
001	Admin		RD2	N/A	230
002	Admin		RD2	N/A	231
Admin_01	Admin		N/A	N/A	N/A

You can choose one or more users at the same time. The active functions (i.e. isn't grayed out) in the toolbar or the shortcut list are different in accordance with different choices.

(1) Add Administrator

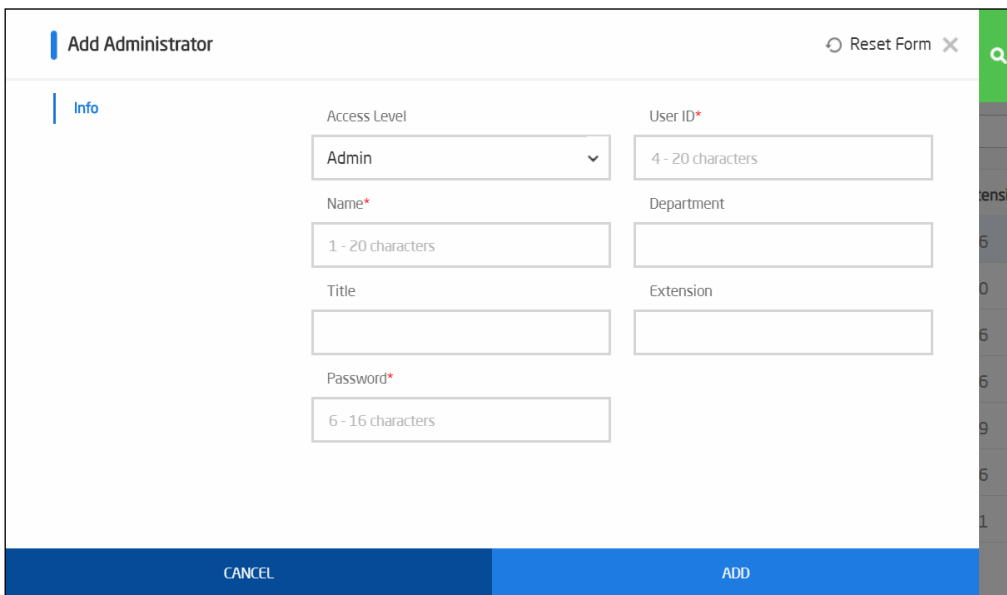





Figure 132 Add Administrator



Click the ADD icon  in Administrator setting page to create a new administrator account. Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

- **Access Level:** Select an access level from the drop-down list – Admin or Viewer. An **Admin** (Administrator) has the full authority to view, add, edit, and delete data. A **Viewer** only has partial authority to view data. This field must be chosen.
- **User ID:** You must configure a user ID, which is identified as DMS log-in account name. The length of the name field is 4-20 characters. Space is not allowed in user ID.
- **Name:** Configure the user name. The length of the field is 1-20 characters. This field must be filled in. Space is not allowed in user name.
- **Department:** Configure department information. This field is optional. Space is not allowed in department name.
- **Title:** Configure job title information. The length of the field is 20 characters. This field is optional. Space is not allowed in job title.
- **Extension:** Configure phone extension number. The length of the field is 20 characters. This field is optional. Space is not allowed in extension field.
- **Password:** Configure password, which is identified as DMS log-in password. The password must be at least 6 but no more than 16 characters in length. This field must be configured. Space is not allowed in password.
- If user information is imported from user account system LDAP, click the icon  to expand and show LDAP account data. If account data is imported from LDAP, the **User ID**, **Name**, **Department**, **Title**, and **Extension** data are read only and cannot be modified.

Note: The field data must be set first before expanding LDAP data. After expanding LDAP data, click account item from the list or search the account you want to add with the criteria of **User ID**, **Name**, **Department**, **Title**, or

Extension. With search criteria of **Department** or **Title**, the list is shown in group. Click the group name will show staffs in that department or title. Click the icon  to collapse the expanded account list.

Note: Configure **Directory Services** in **Settings** -> **Server** first, before importing account data from LDAP.

- Click **ADD** to add the account data and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- If the added account is imported from LDAP, only the user ID is required to log in DMS.
- Click the **Reset Form** icon  **Reset Form** to reset the page content back to the default state and the first page.
- Click **CANCEL** or icon  to close the page and return to administrator overview window.

(2) View Administrator

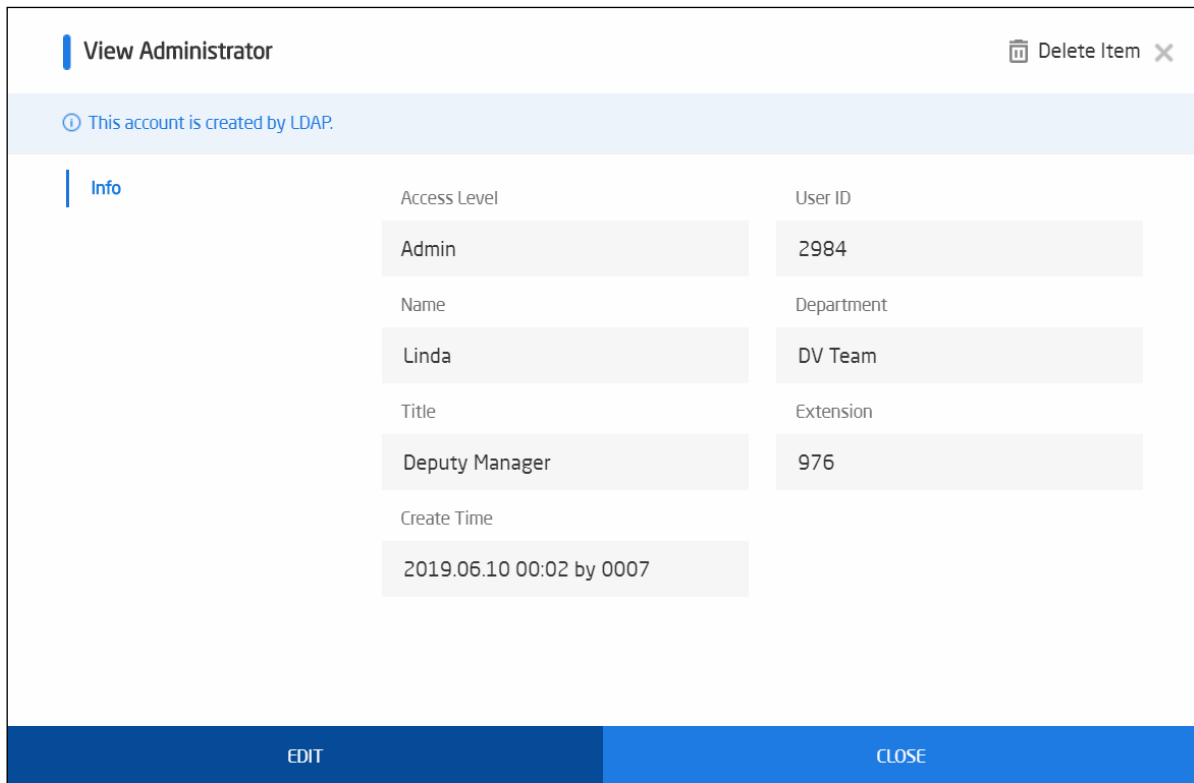




Figure 133 View Administrator

Choose an administrator from the list and click the view icon  in the toolbar to view user information. You can also right-click an administrator from the list to show the **View** option.

If account data is imported from LDAP, a message **This account is created by LDAP.** is displayed on the screen.

The window shows administrator information, including access level, user ID, user name, department, job title, extension, created and edited time.

Click **CLOSE** or icon  to close the page and return to administrator overview window.

Click **EDIT** to enter administrator editing page.

Click the **Delete Item** icon  **Delete Item** to delete the administrator item.

(3) Edit Administrator


Edit Administrator
Reset Form X

Info

Access Level <input style="width: 90%; border: 1px solid #ccc;" type="text" value="Admin"/>	User ID <input style="width: 90%; border: 1px solid #ccc;" type="text" value="0727"/>
Name* <input style="width: 90%; border: 1px solid #ccc;" type="text" value="Karen"/>	Department <input style="width: 90%; border: 1px solid #ccc;" type="text" value="DV Team"/>
Title <input style="width: 90%; border: 1px solid #ccc;" type="text" value="Senior Engineer"/>	Extension <input style="width: 90%; border: 1px solid #ccc;" type="text" value="600"/>
Password* <input style="width: 90%; border: 1px solid #ccc;" type="password" value="••••••"/>	

CANCEL
SAVE

Figure 134 Edit Administrator

Choose an administrator from the list and click the edit icon  in the toolbar to edit administrator data. You can also right-click an administrator from the list to show the **Edit** option. Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.



- Access Level: Select an access level from the drop-down list – Admin or Viewer. An **Admin** (Administrator) has the full authority to view, add, edit, and delete data. A **Viewer** only has partial authority to view data. This field must be chosen.
- User ID: The user ID data is read only and cannot be modified.
- Name: Configure the user name. The length of the field is 4-20 characters. This field must be filled in. Space is not allowed in user name.
- Department: Configure department information. This field is optional. Space is not allowed in department name.

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- **Title:** Configure job title information. The length of the field is 20 characters. This field is optional. Space is not allowed in job title.
- **Extension:** Configure phone extension number. The length of the field is 20 characters. This field is optional. Space is not allowed in extension field.
- **Password:** Configure password, which is identified as DMS log-in password. The password must be at least 6 but no more than 16 characters in length. This field must be configured. Space is not allowed in password.

Note: If account data is imported from LDAP, the **User ID**, **Name**, **Department**, **Title**, and **Extension** data are read only and cannot be modified. You can only configure **Access Level**.

- Click **SAVE** to save the changes and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon  **Reset Form** to reset the page content back to the unedited state.
- Click **CANCEL** or icon  to cancel the changes and leave the editing page.

(4) Delete Administrator

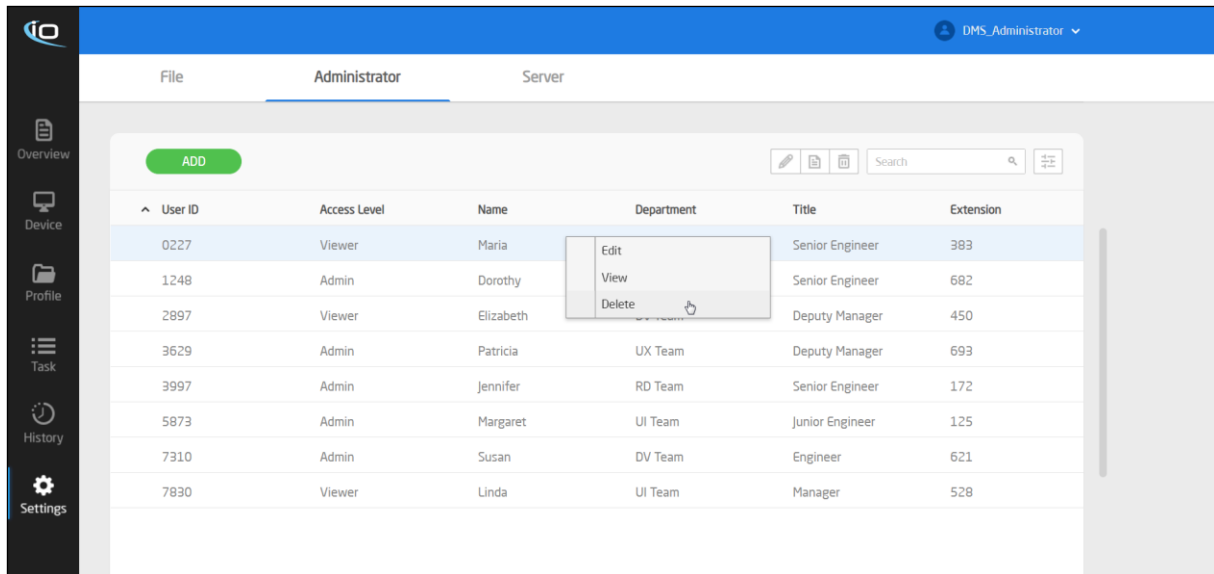



Figure 135 Delete Administrator

Choose an administrator from the list and click the delete icon  in the toolbar to delete the selected administrator. You can also right-click an administrator from the list to show the **Delete** option.

The DMS has a default user account **administrator** for you to log in and configure settings. There is at least one user with **Admin** access level to perform DMS management. The default user cannot be deleted.

If the deleted user stays in DMS, any further activity will force the user to log out and return to log in window.

A confirmation dialogue appears. Click **Cancel** to leave the window without changes or click **Delete** to confirm the deletion.

3.9.3. Server

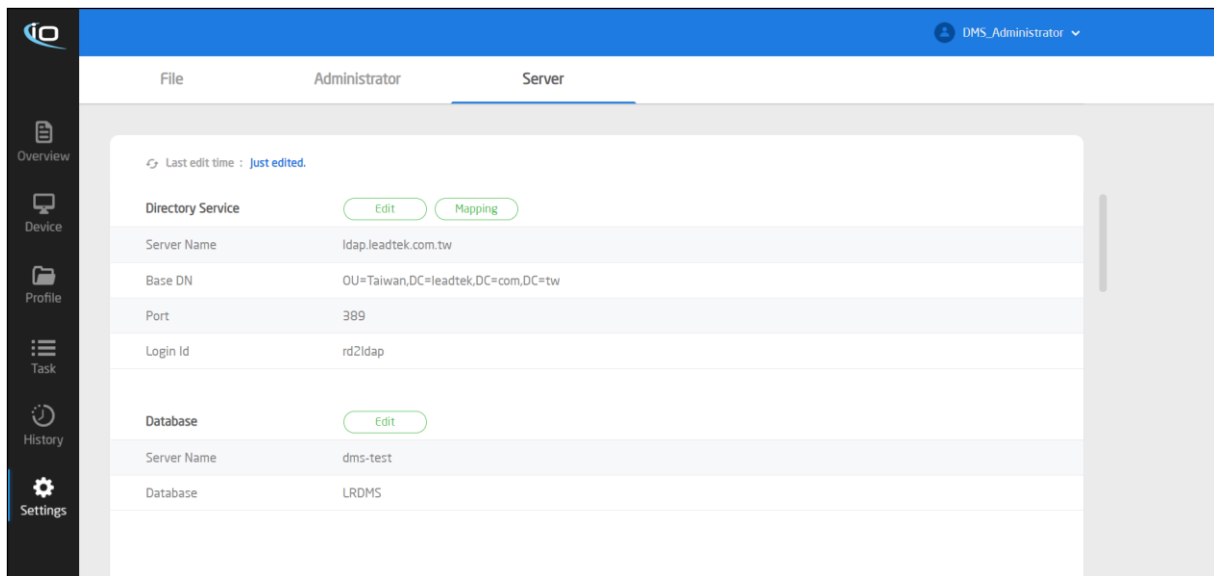



Figure 136 Server Overview

Click **Settings** in the left side of the screen and move to **Server** page. It shows DMS server information.

The Server page shows **Directory Services**, **Database**, **File Store Area** settings and server information. If you would like to integrate user account system LDAP, change database, or update file store area, click the **Edit** icon  on the item that you would like to change to edit the settings.

Database and **File Store Area** are included in DMS package by default. If you have no specific needs, you do not need to change any settings.

In the upper side of the screen, it shows the last edited date and time.

(1) Directory Services

The Directory Services page lets you configure directory service server settings. It supports Microsoft Active Directory and LDAP. The DMS log-in account can be integrated in user directory service account.

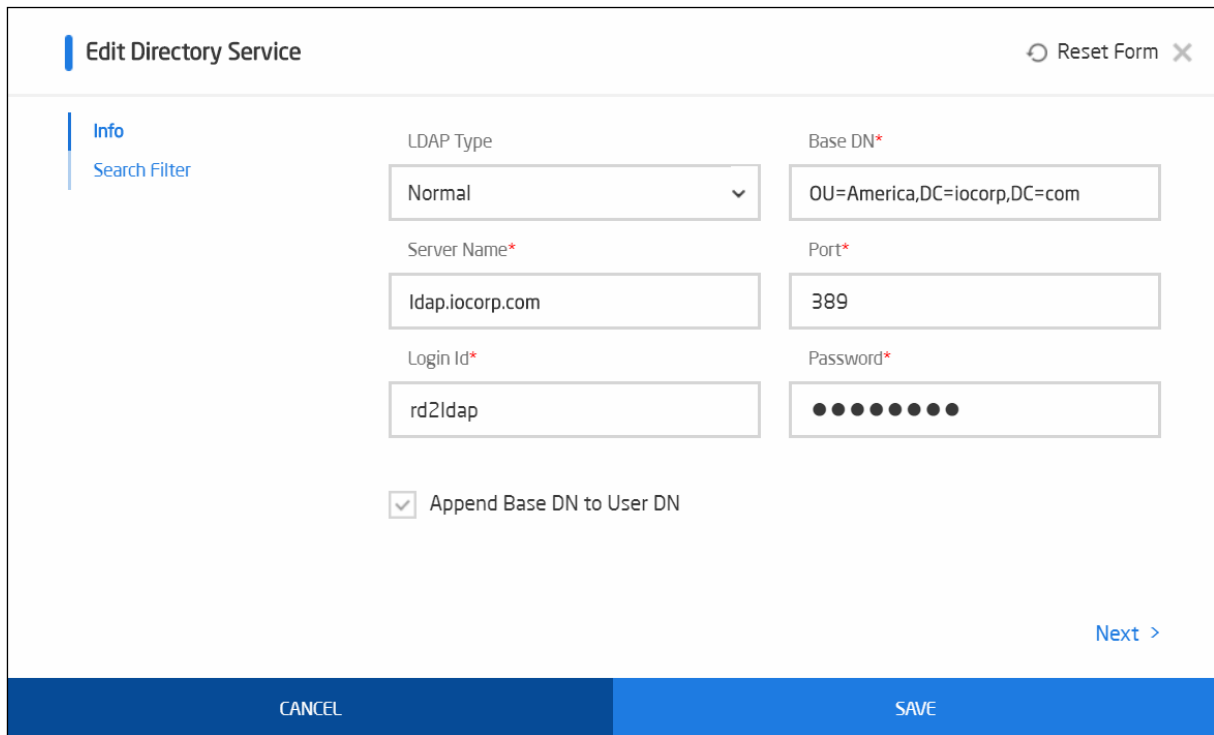





Figure 137 Edit LDAP settings

Click the Edit icon  at the side of Directory Services to edit directory service settings.

Click **Info** or any tab on the left to switch the setting page at any time during the configuration process. Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

- **LDAP Type:** a drop-down menu for you to choose a directory service type, including Normal (LDAP) and Microsoft Active Directory (Microsoft AD). This field must be chosen. The default setting is Normal for you to configure LDAP relating settings.

- **Base DN:** The distinguished name of the search base object defines the location in the directory from which the directory service search begins. This field must be configured. Space is not allowed in base DN.
- **Server Name:** Configure server name, which is the location of directory service. This field must be filled in. Space is not allowed in server name.
- **Port:** Configure server port. This field must be filled in. Space is not allowed in port field.
- **Login Id:** Configure log-in ID, which is the LDAP user account. The account must have the authority to search LDAP data and LDAP search base. This field must be configured. Space is not allowed in login ID.
- **Password:** Configure password, which is the LDAP user password. This field must be filled in. Space is not allowed in password.
- **Append Base DN to User DN:** The checkbox is checked by default, which saves User DN under Base DN. If User DN isn't located under Base DN, you can uncheck this field.
- Click **Next >** or the **Search Filter** tab on the left to move to the next setting page.
- Click **Save** to save the changes and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon  **Reset Form** to reset the page content back to the unedited state.
- Click **CANCEL** or icon  to cancel the changes and leave the editing page.

Edit Directory Service
Reset Form X

Info


Search Filter

<p>LDAP Type</p> <div style="border: 1px solid #ccc; padding: 2px; display: flex; justify-content: space-between; align-items: center;"> Microsoft Active Directory ▼ </div>	<p>Base DN*</p> <div style="border: 1px solid #ccc; padding: 2px;">OU=America,DC=iocorp,DC=com</div>
<p>Server Name*</p> <div style="border: 1px solid #ccc; padding: 2px;">ldap.iocorp.com</div>	<p>Port*</p> <div style="border: 1px solid #ccc; padding: 2px;">389</div>
<p>Login Id*</p> <div style="border: 1px solid #ccc; padding: 2px;">rd2ldap</div>	<p>Password*</p> <div style="border: 1px solid #ccc; padding: 2px; text-align: center;">●●●●●●●●</div>
<p><input checked="" type="checkbox"/> Append Domain to Login ID</p>	<p>Domain*</p> <div style="border: 1px solid #ccc; padding: 2px;">iocorp</div>

Next >



CANCEL
SAVE

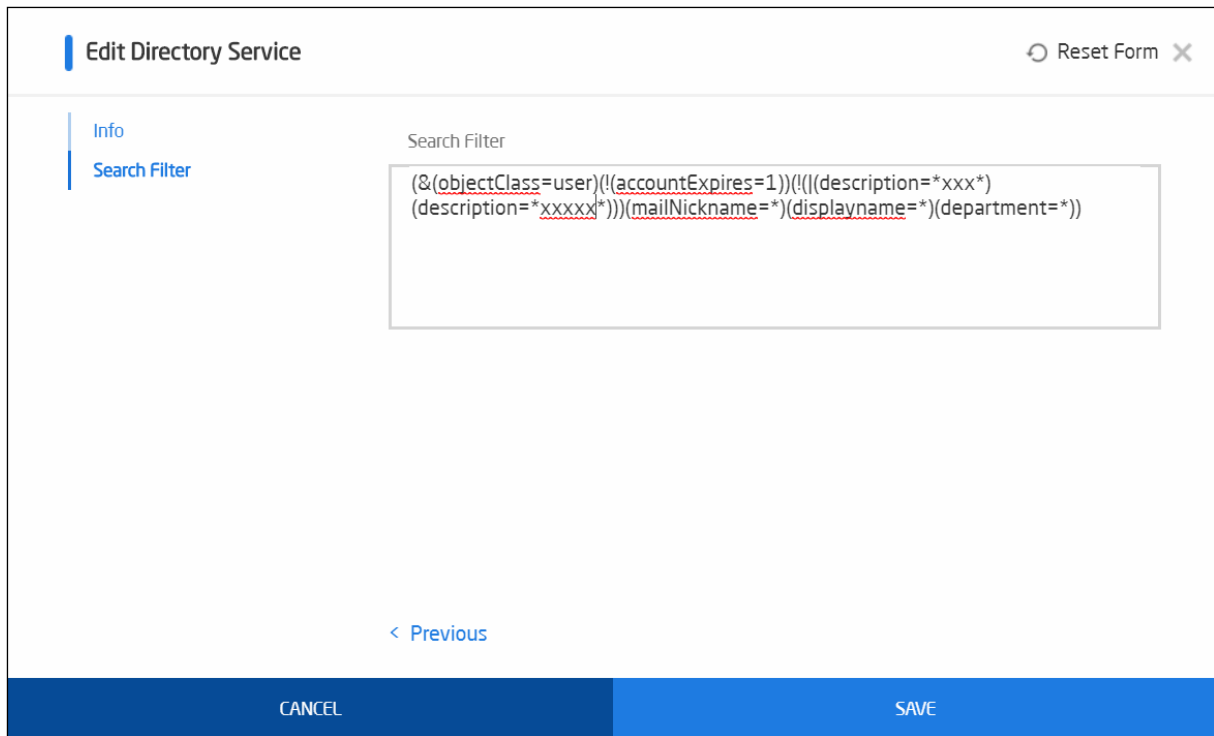
Figure 138 Microsoft Active Directory settings - Info

Click the Edit icon  by the side of Directory Services to edit directory service settings.

Click **Info** or any tab on the left to switch the setting page at any time during the configuration process. Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

- LDAP Type: a drop-down menu for you to choose a directory service type, including Normal (LDAP) and Microsoft Active Directory (Microsoft AD). This field must be chosen. The default setting is Normal. Choose **Microsoft Active Directory** to configure Microsoft AD relating settings.
- Base DN: The distinguished name of the search base object defines the location in the directory from which the directory service search begins. This field must be configured. Space is not allowed in base DN.

- **Server Name:** Configure server name, which is the location of directory service. This field must be filled in. Space is not allowed in server name.
- **Port:** Configure server port. This field must be filled in. Space is not allowed in port field.
- **Login Id:** Configure log-in ID, which is the Active Directory user account. The account must have the authority to search AD data and LDAP search base. This field must be configured. Space is not allowed in login ID.
- **Password:** Configure password, which is the Active Directory user password. This field must be filled in. Space is not allowed in password.
- **Domain:** Configure the Active Directory domain name. This field must be filled in. Space is not allowed in domain name.
- **Append Domain to Login ID:** The checkbox is checked by default. When the field is checked, except login ID, AD login account will also include domain information, e.g. domain\Login Id. If you don't need to add domain information, you can uncheck this field.
- Click **Next >** or the **Search Filter** tab on the left to move to the next setting page.
- Click **Save** to save the changes and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon  **Reset Form** to reset the page content back to the unedited state.
- Click **CANCEL** or icon  to cancel the changes and leave the editing page.



The screenshot shows the 'Edit Directory Service' configuration window. On the left, there are two tabs: 'Info' and 'Search Filter', with 'Search Filter' selected. The main area contains a text input field labeled 'Search Filter' with the following LDAP query: `(&(objectClass=user)!(accountExpires=1)!(description=*xxx*)(description=*xxxxx*)))(mailNickname=*)(displayName=*)(department=*)`. The query uses red underlines to highlight asterisks in fields marked as required. At the bottom left, there is a '< Previous' link. At the bottom right, there are two buttons: 'CANCEL' and 'SAVE'.



Figure 139 Search Filter setting

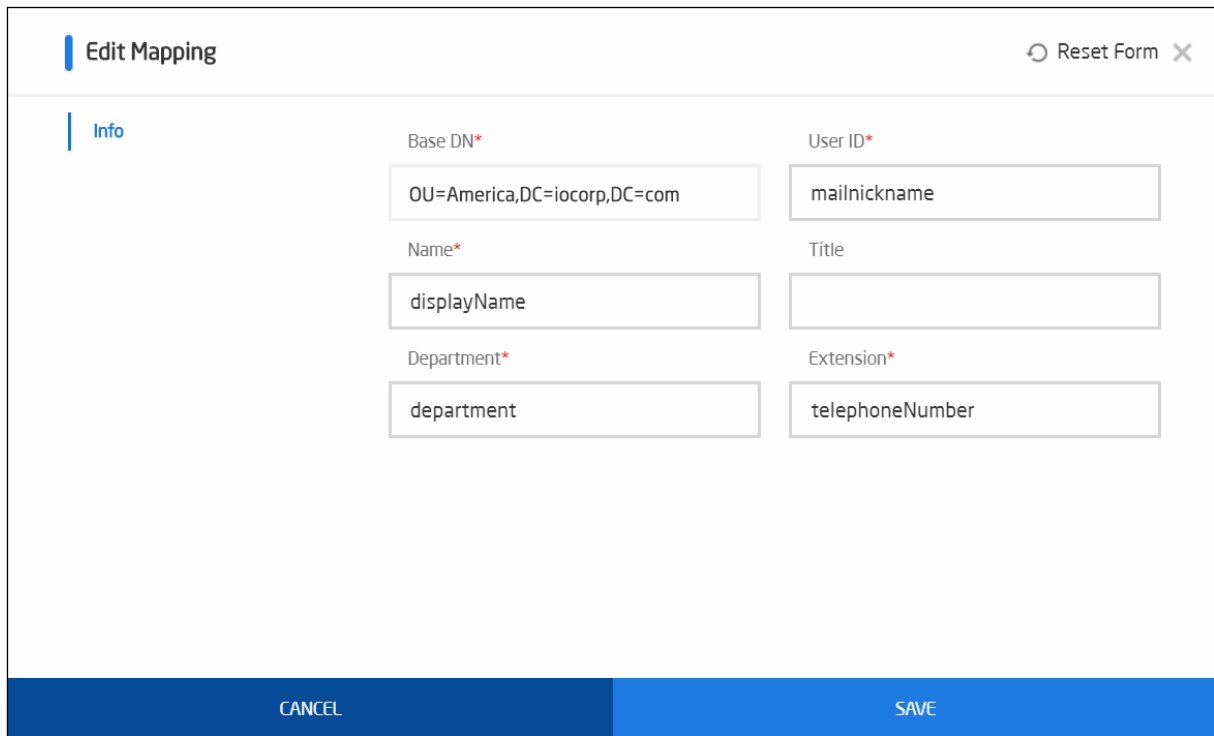
The LDAP or Microsoft AD accounts may include some employees that have left your organization. When adding a DMS user account, you can use search filter to sift your data down to just the account information you need.

Click **Search Filter** or any tab on the left to switch the setting page at any time during the configuration process. Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

The Search Filter is a text input field. You can enter your search conditions. This field is optional.

- Click **< Previous** or the **Info** tab on the left to move back to the previous setting page.
- Click **SAVE** to let DMS verify the revised connecting configurations. If the connection is validated, it will save the changes and leave the editing page; if the connection fails, it shows error message and stay in the editing window. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.

- Click the **Reset Form** icon  **Reset Form** to reset the page content back to the unedited state.
- Click **CANCEL** or icon  to cancel the changes and leave the editing page.



Edit Mapping
Reset Form X

Base DN*

User ID*

Name*


Title

Department*



Extension*





CANCEL
SAVE

Figure 140 Mapping Directory Services setting

Click the Mapping icon  by the side of Directory Services to edit mapping directory service settings. Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

- **Base DN:** The field is read only and cannot be modified. It shows the location in the directory which the search begins.
- **User ID:** Configure user account, which is the DMS log-in account. This field must be configured.
- **Name:** Configure user name. This field must be configured.
- **Title:** Configure job title information. This field is optional.
- **Department:** Configure department information. This field is optional.
- **Extension:** Configure phone extension number. This field is optional.

Note: After configuring the fields, DMS will verify whether the data is valid or not. If the data is valid, it shows the verified icon . If not, it shows the warning icon .

- Click **SAVE** to let DMS verify configuration in all fields of the page. The verified results are shown on the right side of each field. The verified mark  represents the data exists. The warning mark  represents the data doesn't exist. Once all fields are verified as valid, DMS will save the changes and leave the editing page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon  **Reset Form** to reset the page content back to the unedited state.
- Click **CANCEL** or icon  to close the page and return to server window.

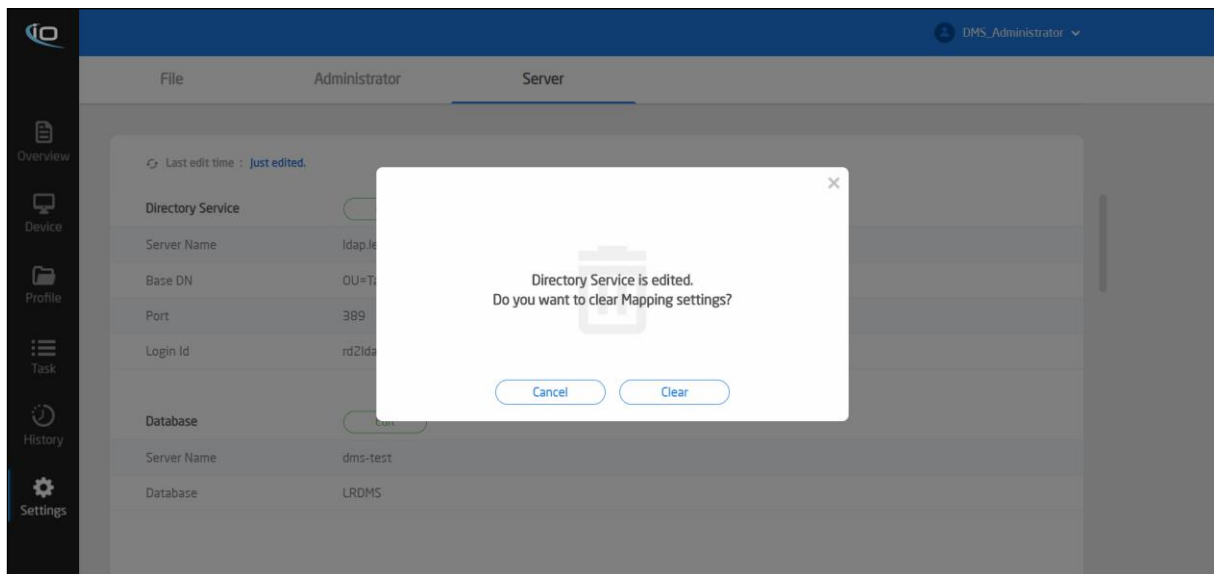


Figure 141 Clear Mapping Directory Service Settings

After the directory services is edited, a dialogue appears asking you whether you want to clear mapping settings or not. Click **Cancel** to preserve data in the fields without clearing mapping settings. Click **Clear** to remove the mapping data.

(2) Database

The Database Server page is the place where DMS stores data. You can configure the storage location at an internal place (default) or an external place.

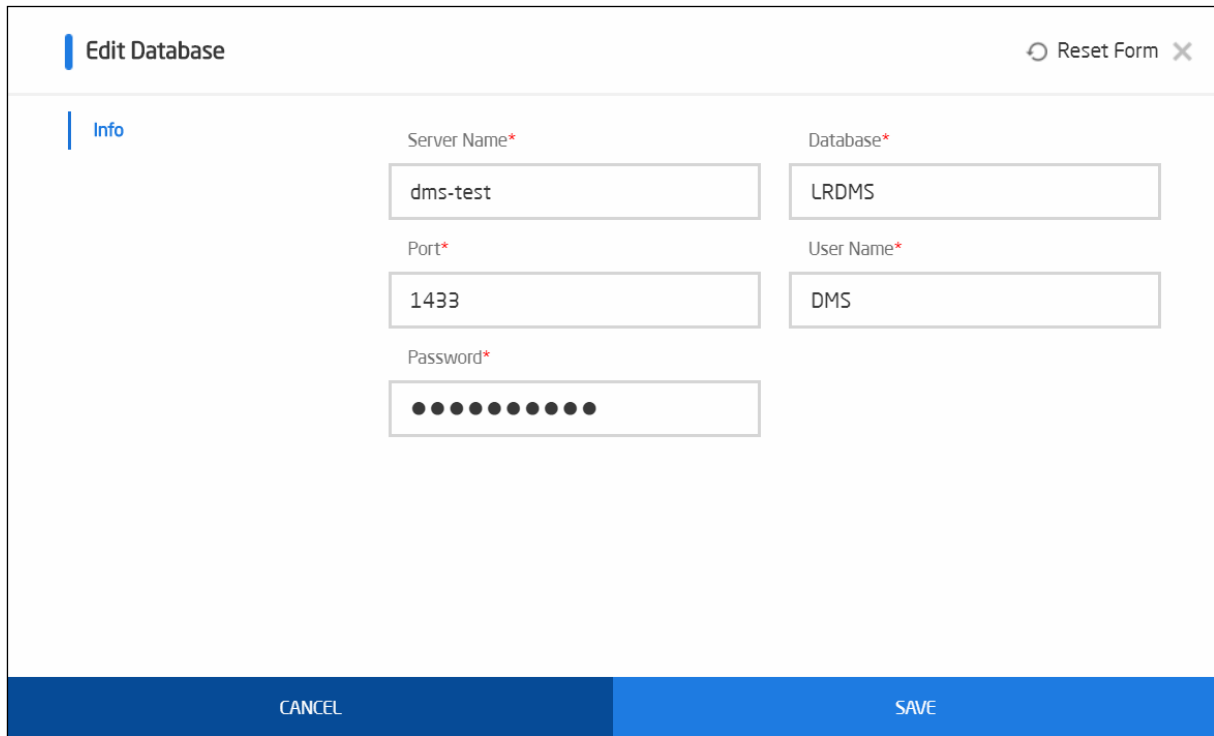





Figure 142 Edit Database

Click the Edit icon  by the side of Database to edit database settings, where stores DMS data. Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

- **Server Name:** Configure server name, which is the location of the database. This field must be filled in. Space is not allowed in server name. DMS server default name is **dms-01**. If you would like to change the name, please do not enter **localhost** or **127.0.0.1** data.
- **Database:** Configure database name. This field must be filled in. Space is not allowed in database name.
- **Port:** Configure server port. This field must be filled in. Space is not allowed in port field.

- **User Name:** Configure user name, which is the database user account. This field must be configured. Space is not allowed in user name.
- **Password:** Configure database user password. This field must be filled in. Space is not allowed in password.
- Click **SAVE** to save the changes. DMS will perform a connection examination to verify new settings. If the connection is successful, it saves the changes and leaves the editing page. If the connection is failed, it shows error message and stays in the editing page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon  **Reset Form** to reset the page content back to the unedited state.
- Click **CANCEL** or icon  to close the page and return to server window.

(3) File Store Area

The File Store Area is the place where DMS stores device files. You can configure the storage location at an internal place (default) or an external place.


Edit File Store Area
Reset Form ✕

Info



Server Name* <input type="text" value="dms-test"/>	TFTP Port* <input type="text" value="69"/>
OS / Firmware - TFTP / FTP Path* <input type="text" value="/FwStore"/>	OS / Firmware - HTTP URL* <input type="text" value="/FwStore"/>
BIOS - TFTP / FTP Path* <input type="text" value="/BIOS"/>	BIOS - HTTP URL* <input type="text" value="/BIOS"/>
Account* <input type="text" value="administrator"/>	Password* <input type="password" value="●●●●●●●●●●"/>

CANCEL
SAVE

Figure 143 Edit File Store Area

Click the Edit icon  by the side of File Store Area to edit file server settings, including file server, FTP server, and TFTP server. Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

- In Info page, there are several settings items which include server name, TFTP port, TFTP / FTP storage path (OS / Firmware and BIOS), file directory location (OS / Firmware and BIOS), login account and password.
- Server Name: Configure server name, which is the location of file server. This field must be filled in. Space is not allowed in server name. DMS server default name is **dms-01**. If you would like to change the name, please do not enter **localhost** or **127.0.0.1** data.
- TFTP Port: Configure TFTP port. This field must be filled in. Space is not allowed in port field.

- OS / Firmware - TFTP / FTP Path: Configure TFTP and FTP link. This field must be filled in. Space is not allowed in this field.
- OS / Firmware - HTTP URL: Configure file location. This field must be filled in. Space is not allowed in file location.
- Account: Configure account, which is the file server user account. This field must be configured. Space is not allowed in user account.
- Password: Configure file server user password. This field must be filled in. Space is not allowed in password.
- Click **SAVE** to save the changes. DMS will perform a connection examination to verify new settings. If the connection is successful, it saves the changes and leaves the editing page. If the connection is failed, it shows error message and stays in the editing page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon  **Reset Form** to reset the page content back to the unedited state.
- Click **CANCEL** or icon  to close the page.

(4) Server Information

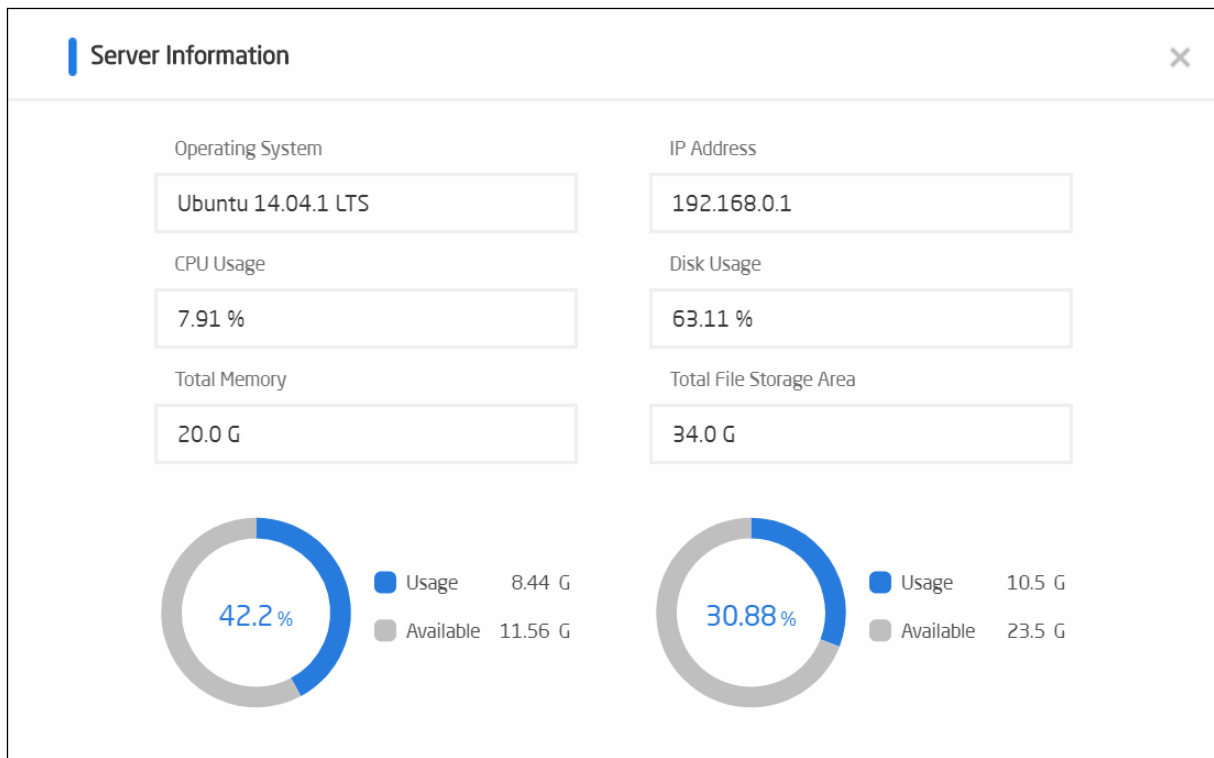




Figure 144 Server Information

Click the View icon  by the side of Server Information to view server usage information, including operating system, IP address, CPU usage, hard drive usage, installed memory size, and file storage size.

The two pie charts below show the current usage size / remaining size of **"Memory"** and **"File Storage Area"** respectively.

If files are not located at local side, the storage area shows **"N/A"** and it doesn't display any information in the pie chart below.

Click the close icon  in the upper right corner to close and return to the main server settings screen.

3.10 Custom Design Portal

You can customize the DMS screen here. Currently DMS provides configuration on changing company information, including DMS logo and company name.

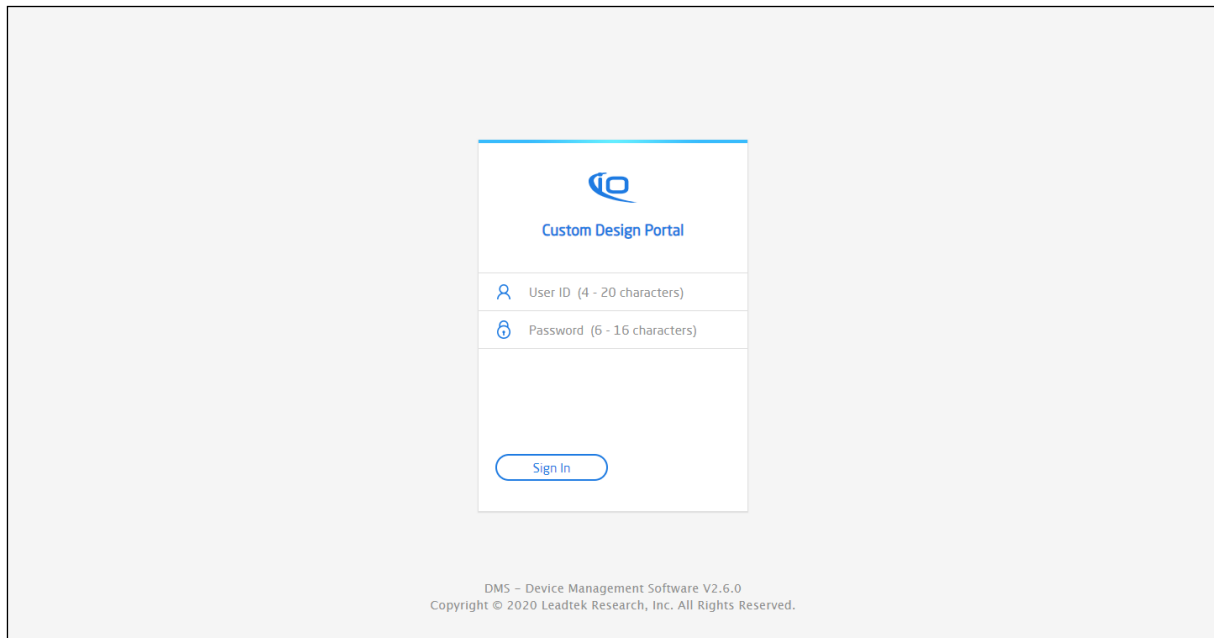


Figure 145 Customized DMS Login Design

Open a web browser and then enter the IP address of the DMS Custom Design Portal. (<http://XXX.XXX.XXX.XXX:8080/DMSWeb/CustomizePortal.jsp>). You will see the log-in screen of the DMS front page. The “XXX.XXX.XXX.XXX” is the assigned IP of the DMS server and will be different according to actual environment.

The default log-in administrator username is “dmsAdm” and the password is “dmsAdm” (Make sure you use exactly the same uppercase and lowercase letters).

3.10.1. Company Information

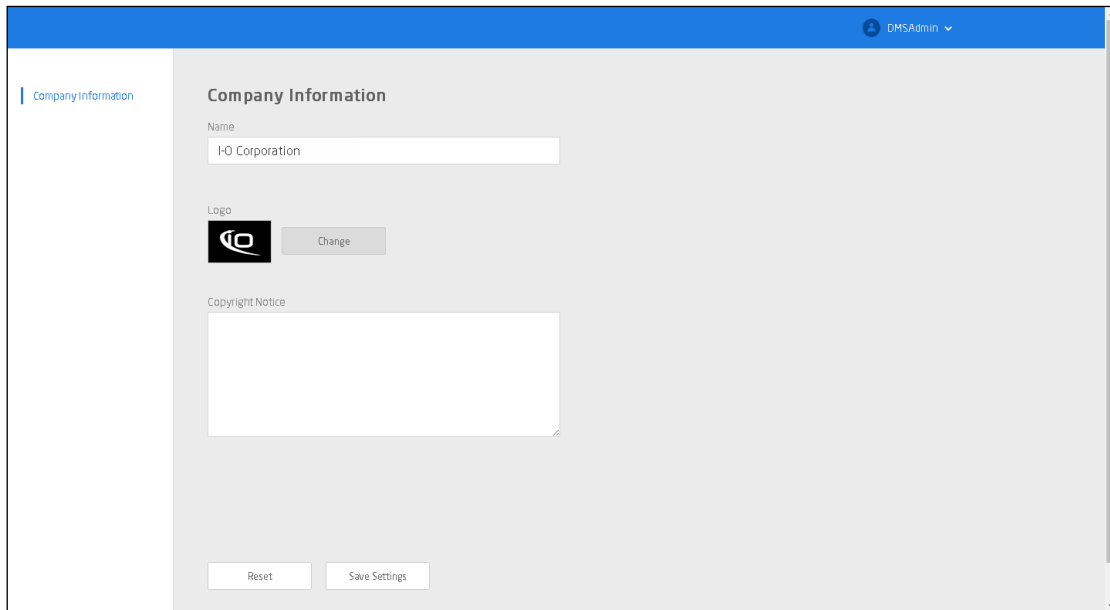


Figure 146 Customize Company Information

After you successfully log in DMS custom design portal, it shows company information configuration screen. You can change company name and DMS logo. DMS will demonstrate the current settings.

- **Name:** Enter the company name. The length of the name field is 4-50 characters. This field must be filled in. Space is not allowed in name field.
- **Logo:** The current DMS logo is displayed. Click **Change** to replace the current logo with the new logo you choose.
- **Copyright Notice** is an input and optional field. If this field is not provided, the contents of the copyright notice will not be displayed on the "**Copyright Notice and Software Description**" screen. Only the version number and the software contents used by DMS will be displayed.
- Click **Reset** button to reset your configuration back to unedited state.
- Click **Save Settings** button to save the settings.

- Click the sign out icon  to log out DMS custom design portal.

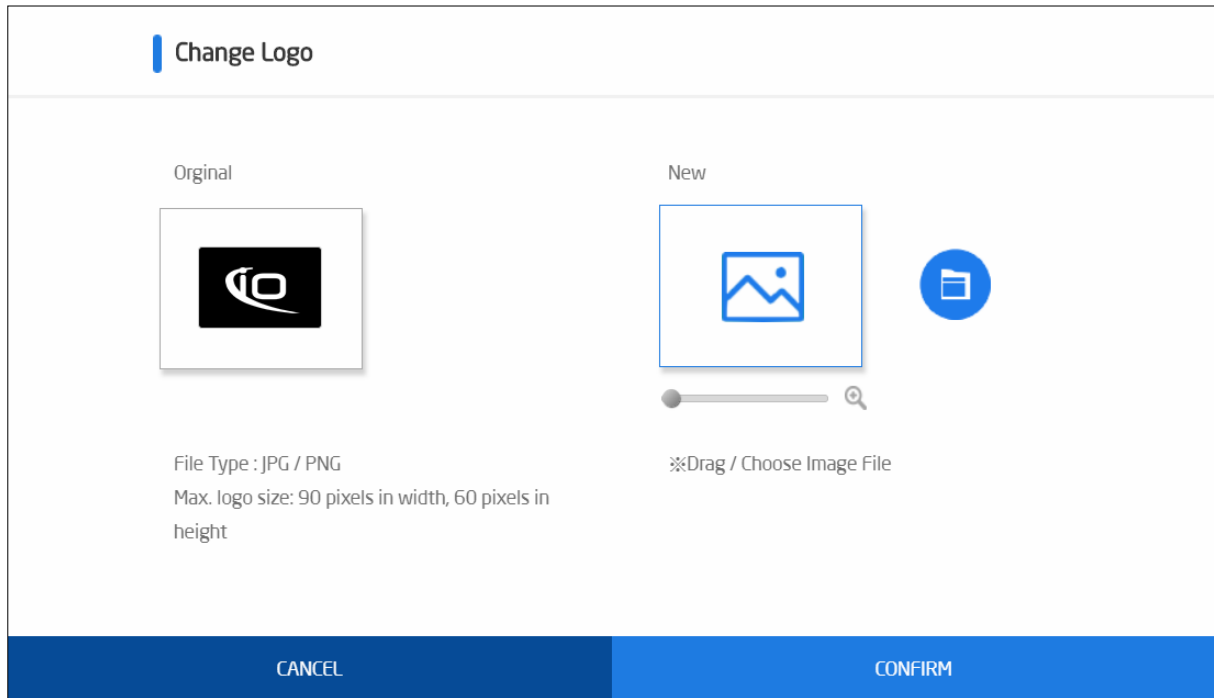




Figure 147 Change Logo

You can change logo by clicking **Change** button on company information screen. Click the file icon  to browse your computer files and choose a .jpg or .png logo image. The width/height of the logo image is 90/60 pixels. You can also drag the image file to the displayed window.

- Click the icon  to enlarge or diminish logo.
- Click **CONFIRM** to save the change and leave the editing page.
- Click **CANCEL** to close the window and go back to company information screen.