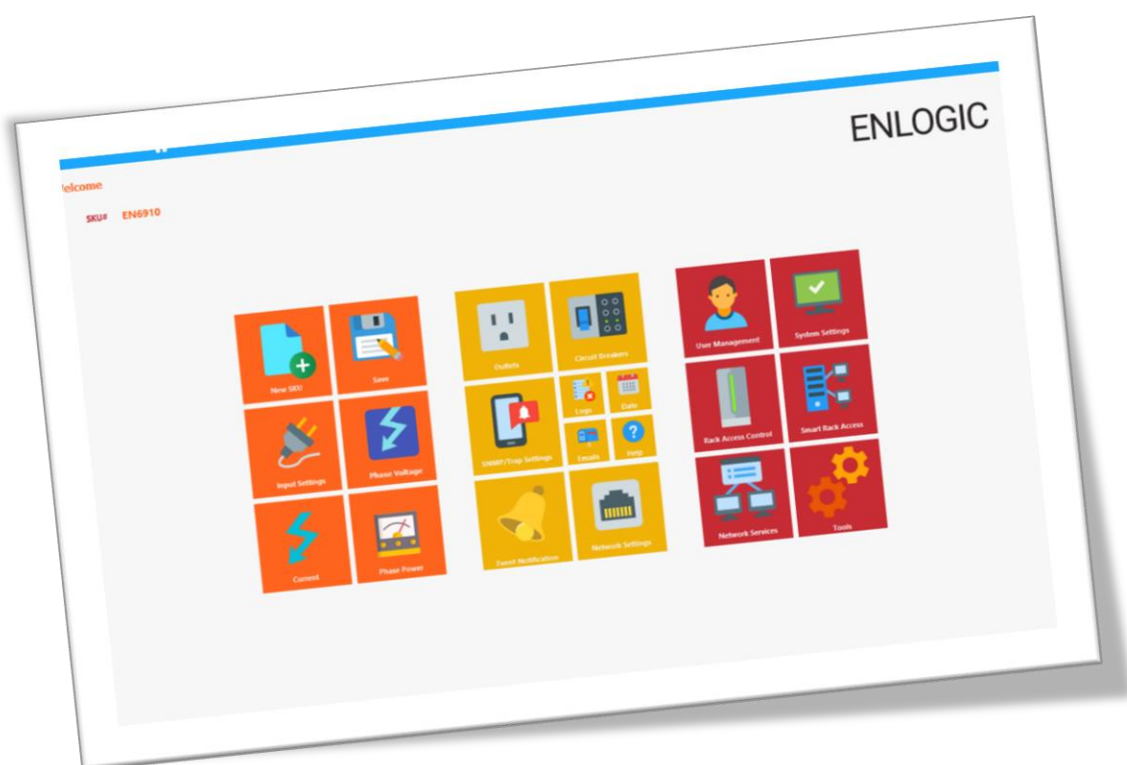


## nVent Enlogic PCT

Version 3.0.8

User Guide

Document Version – 1.2



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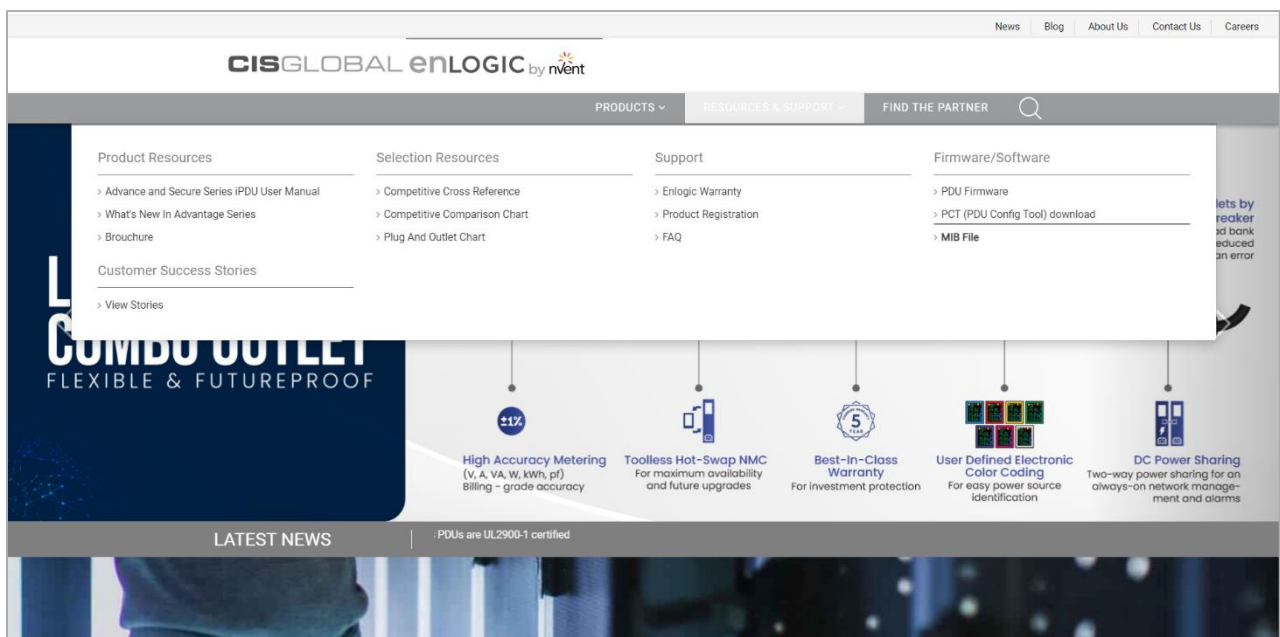
## 1. GETTING STARTED

### 1.1 SCOPE

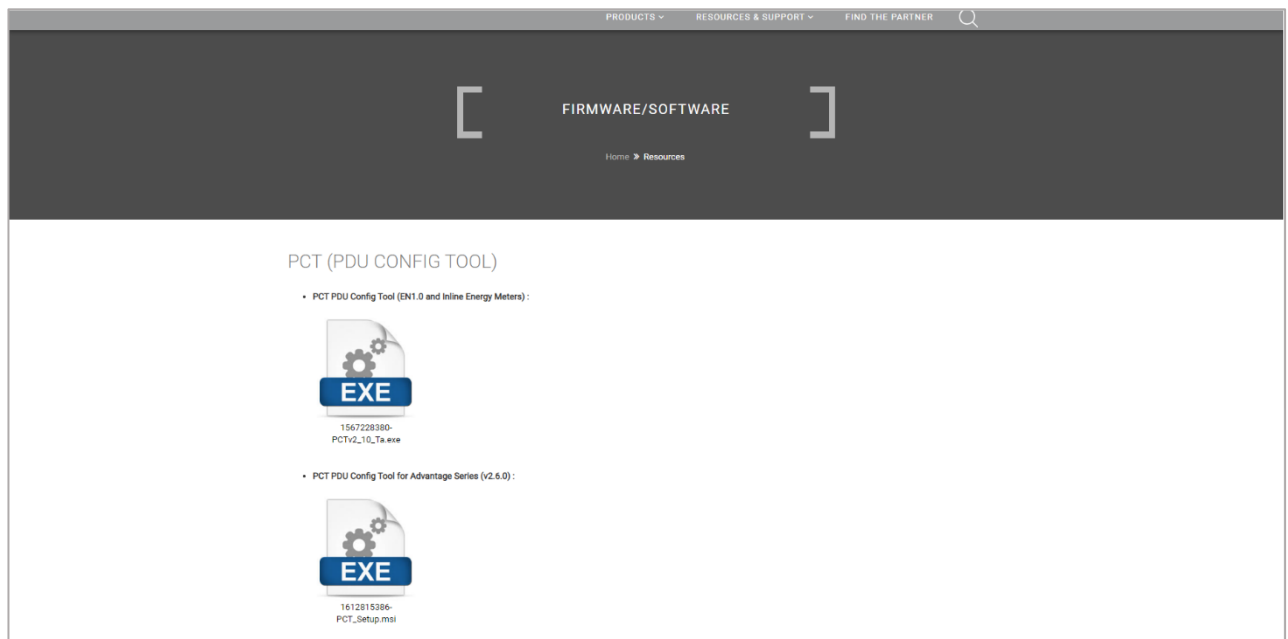
The document is a detailed user guide to utilize the PCT tool to configure Enlogic PDUs.

### 1.2 Download the PCT tool

1. Log in to [www.enlogic.com](http://www.enlogic.com)
2. Click on the “**RESOURCES & SUPPORT**” tab on the home page.
3. In the Firmware/Software section, select and click the **PCT (PDU Config Tool)** download option in the of the dropdown.

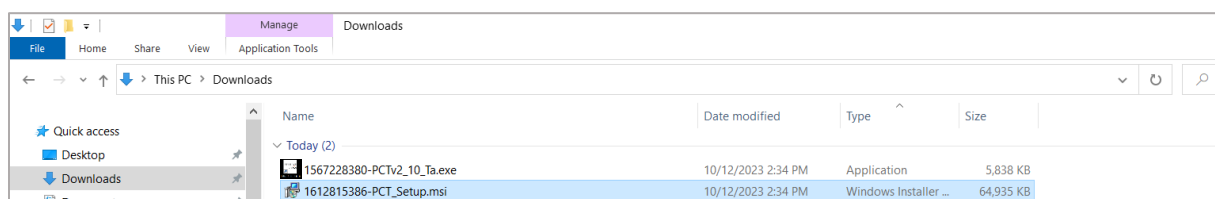


4. The **Firmware/Software** page will be displayed, here scroll down to the latest version of the **PCT\_Setup.msi** file to download.

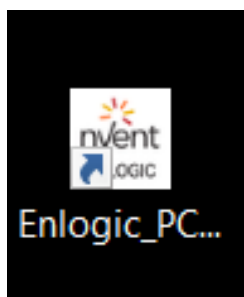


### 1.3 Installing the PCT tool

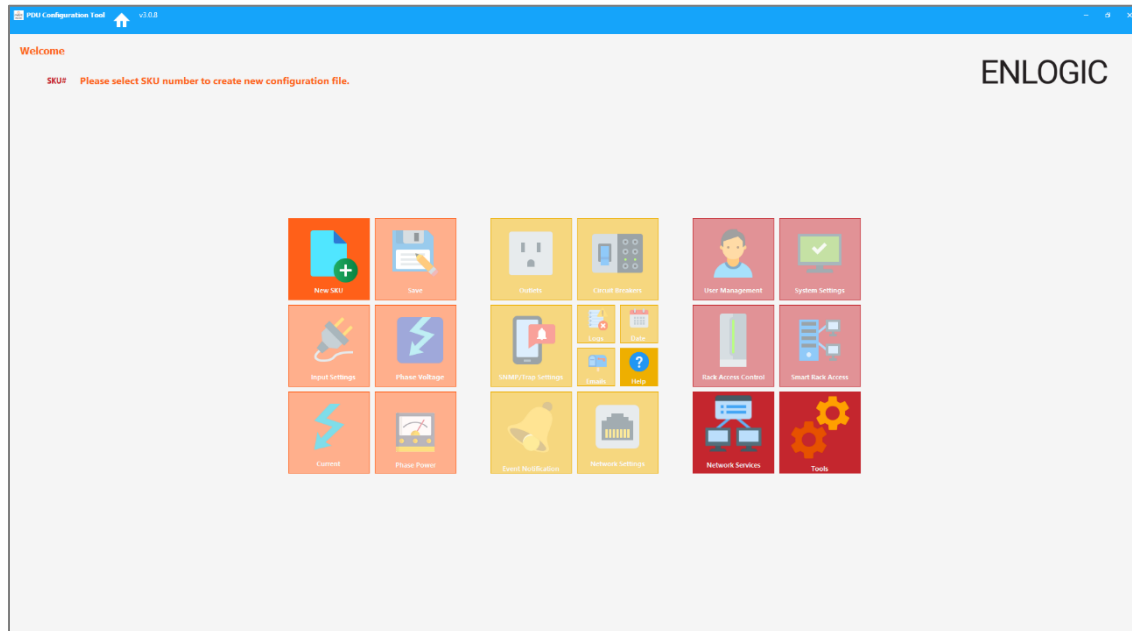
1. In the Downloads folder, double-click on the **PCT\_Setup.msi**.
2. Click on the **"Next"** option to proceed the **"Finish"** and the tool will be installed.



3. On the desktop, double-click on the **Enlogic by nVent** thumbnail to open the tool.



## 2. PCT USER INTERFACE



### PCT Home Page

1. The Enlogic PCT Home page is displayed. The **New SKU** Icon is highlight on this page.
2. The top blue ribbon displays the latest version of the tool. Use the **Home** icon at any time to return to the Home page.

### Notes –

Before working with PCT consider checking the following:

1. The SNMP with IP 0.0.0.0 or the system IP (on which the tool is installed) should be enabled. Putting the PDU to default will enable the IP (0.0.0.0).
2. Enable SSH with default port 22.
3. Enable FTPS with default port 21.
4. Enable TELNET with default port 23.
5. To activate most of the icons on the Home screen, the first step is to set the SKU.
6. SKUs can be configured by two methods.
  - a. Option 1 - User can select the SKU from the available SKU list OR
  - b. Option 2 - User can upload SKU configuration file from a stored location for any new SKUs and add them to the SKU Bin.
7. Before uploading the configuration “config.ini” file from the PCT tool, the PDU should be always in default settings.

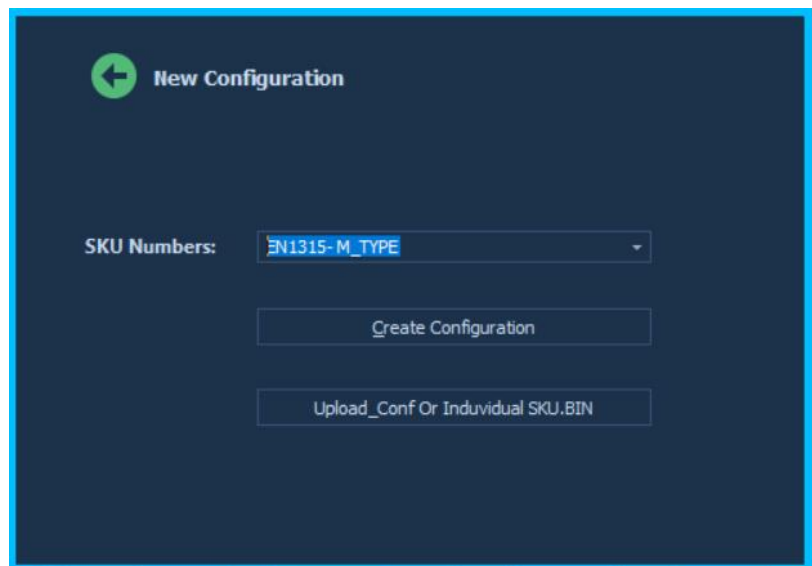
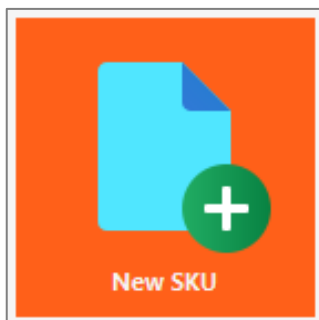
### 3. New SKU Configuration File Creation

SKUs can be configured by two methods:

1. **Option 1** - User can select the SKU from the available SKU file OR
2. **Option 2** - User can upload SKU configuration file from a stored location for any new SKUs and add them to the SKU Bin.

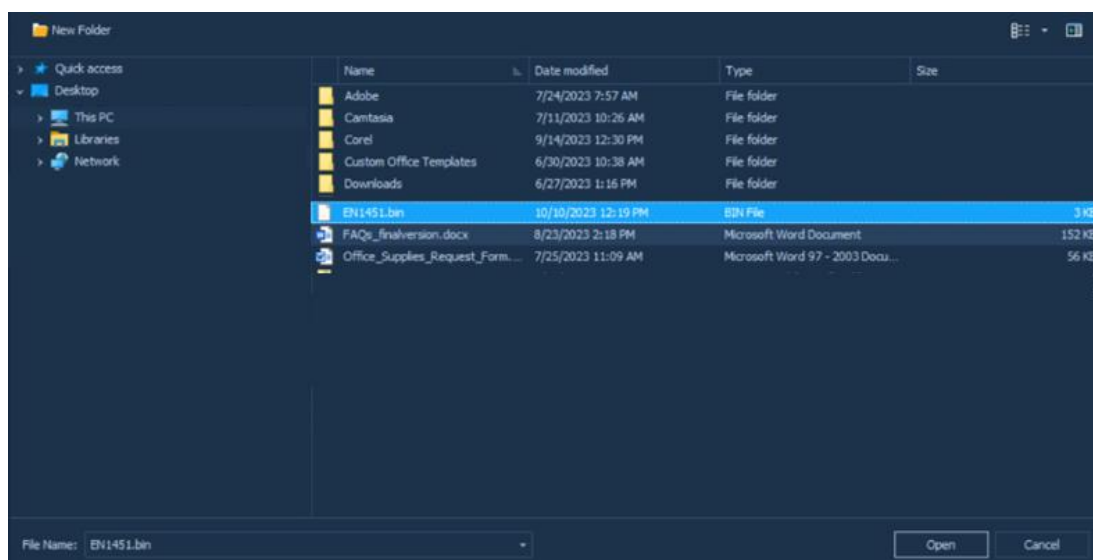
#### Option 1

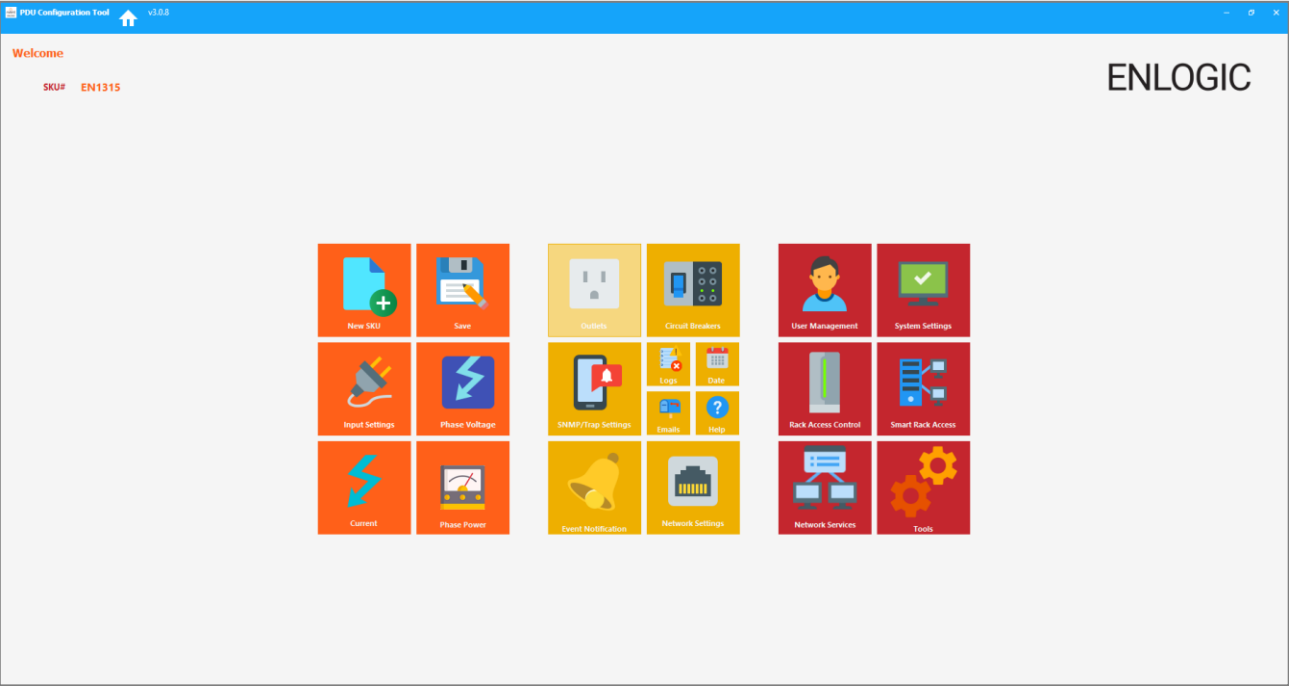
1. On the **Home page**, click on the **New SKU** Icon.
2. The New Configuration screen will be displayed. Under the **SKU Numbers** dropdown menu, select the SKU from the list and click on **Create Configuration** button. This will load the SKU to the PDU and display the SKU# on the top left corner.







#### Option 2

1. Select the SKU.bin to create the conf.ini file.
2. Ensure the SKU.bin file is placed in a local computer location.

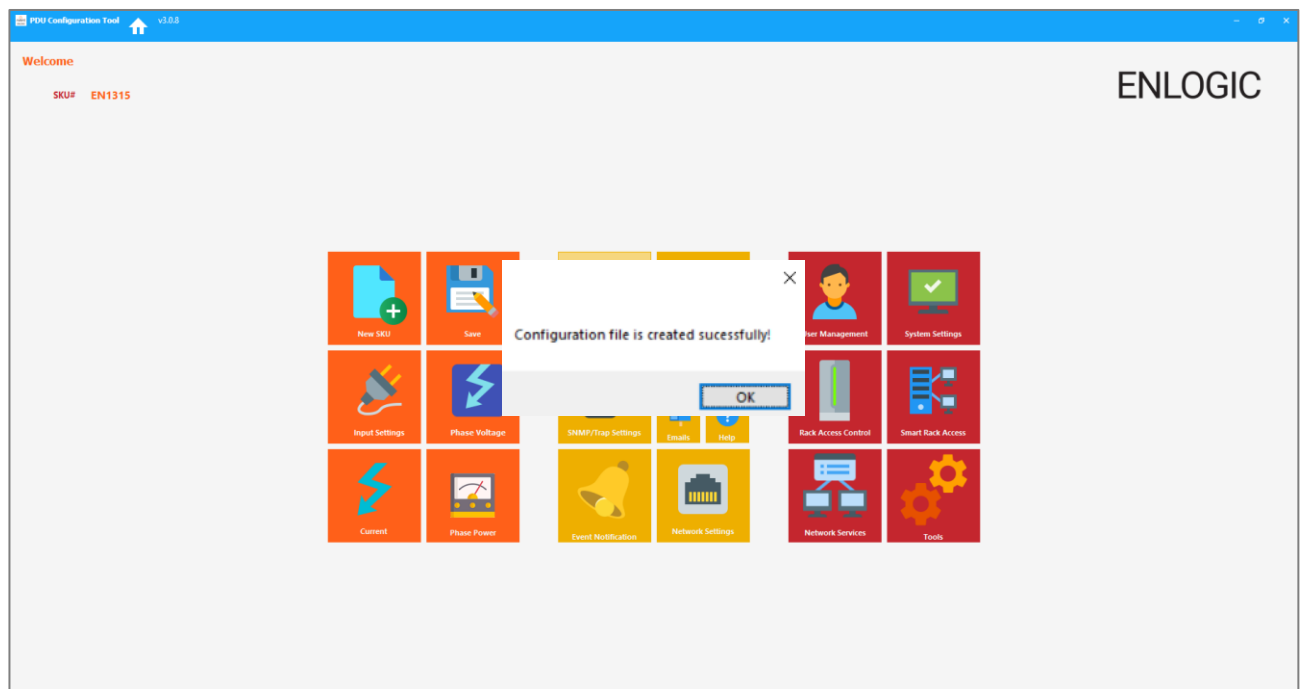




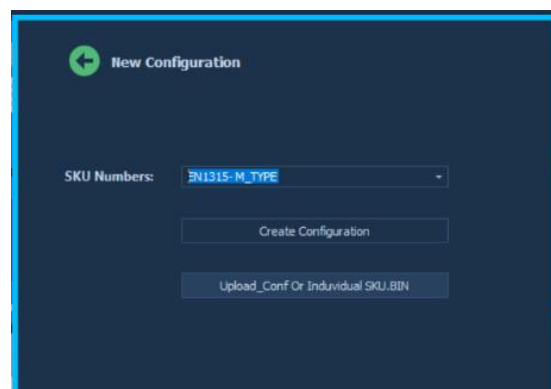
Name	Date modified	Type	Size
 conf.ini	12/19/2024 10:11 AM	Configuration settings	46 KB
 dconf.ini	12/19/2024 10:26 AM	Configuration settings	46 KB
 ipeth0.cfg	12/19/2024 10:11 AM	Configuration Source File	1 KB
 ipeth1.cfg	12/19/2024 10:11 AM	Configuration Source File	1 KB



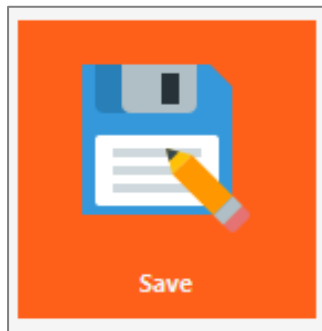
2. Select the file and click **Open**. The Configuration file is created successfully.




3. Under the **SKU Numbers** dropdown menu, select the SKU from the list and click on **Create Configuration** button.



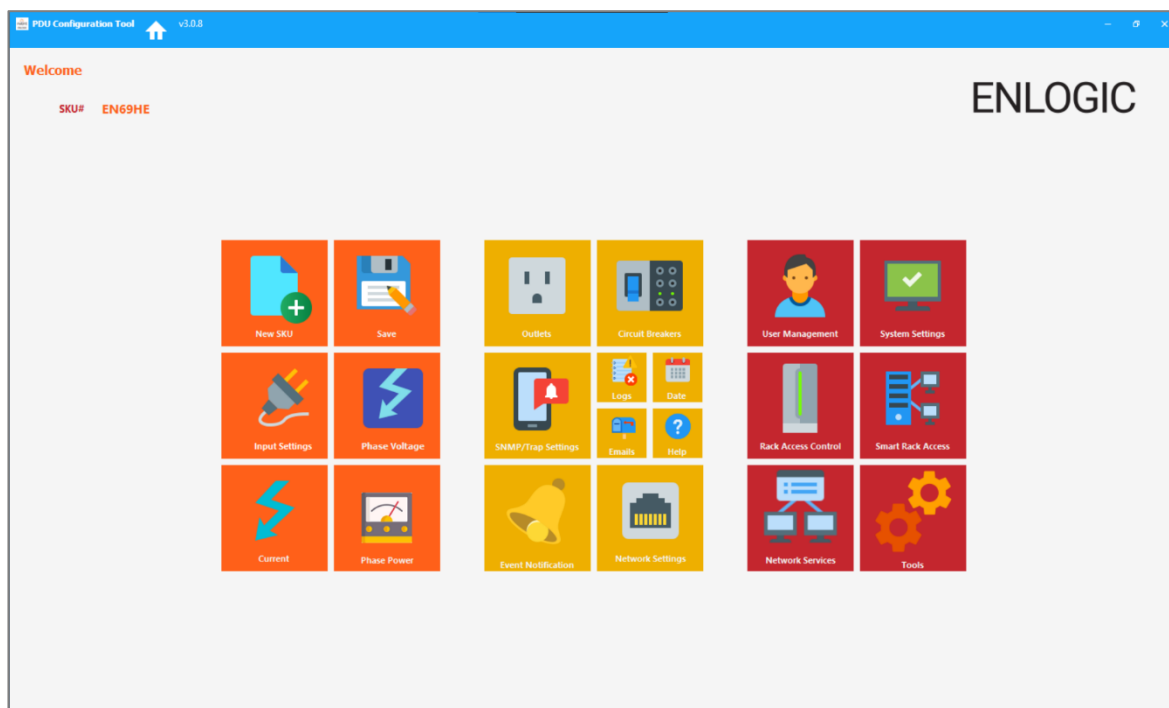
1. If the user selects a wrong configuration file, then the application exits. The user will need to restart the configuration process with the correct file.
2. After the SKU is selected, all the PDU settings are enabled. Select each option, edit the settings, and click on the back button.
3. Clicking on the **Back** button will auto save the settings.



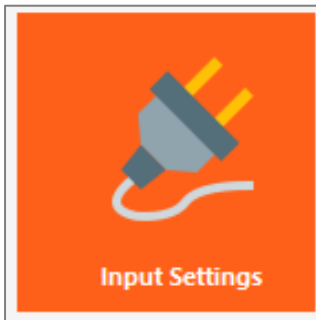
**Note :** Click **SAVE** icon at all times to save all the changes and create a config.ini file.


To save changes for each step, the user clicks on the  button.

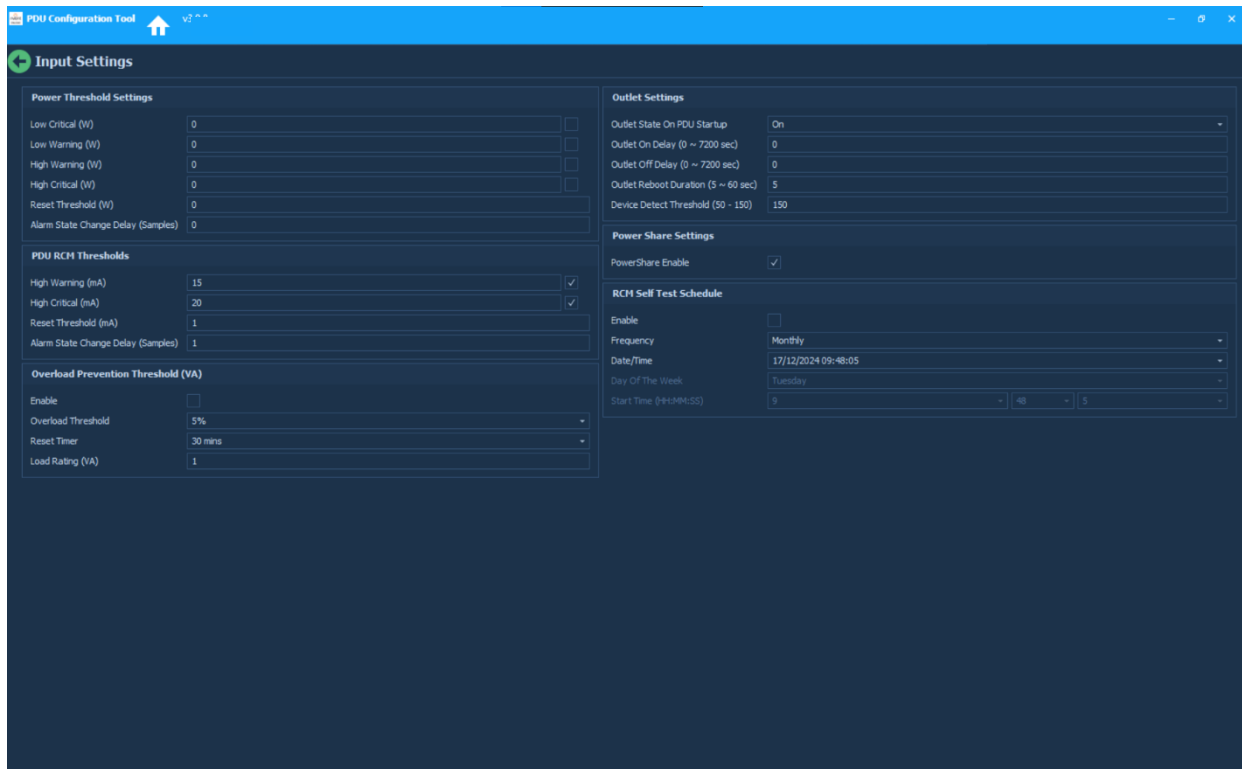
If the user clicks on the Home button to navigate to other pages, there is no auto-save option for automatically saving the settings/changes.



## 4. Input Settings



1. Click on the **Input Settings** icon to set the Power Threshold, PDU RCM Thresholds, Overload Prevention Threshold, Outlet settings, Power Share Settings, and RCM Self Test Schedule.
2. The mouse-over tool tip indicates the range power values as per the SKU DA drawings. Input the Low and High Power Threshold settings priority wise.
3. The user can enable/disable Power Share feature. [refer the Enlogic User manual on the [www.enlogic.com](http://www.enlogic.com) website for details on Power Share]
4. The user can specify the Overload Threshold percentage and reset timer.
5. If the SKU is equipped and embedded with an Residual Current Monitoring (RCM) Module, the user can specify a RCM Self Test Schedule.
6. The mouse-over tool tip indicates the outlet  values. Input the values and click on the button to save changes.



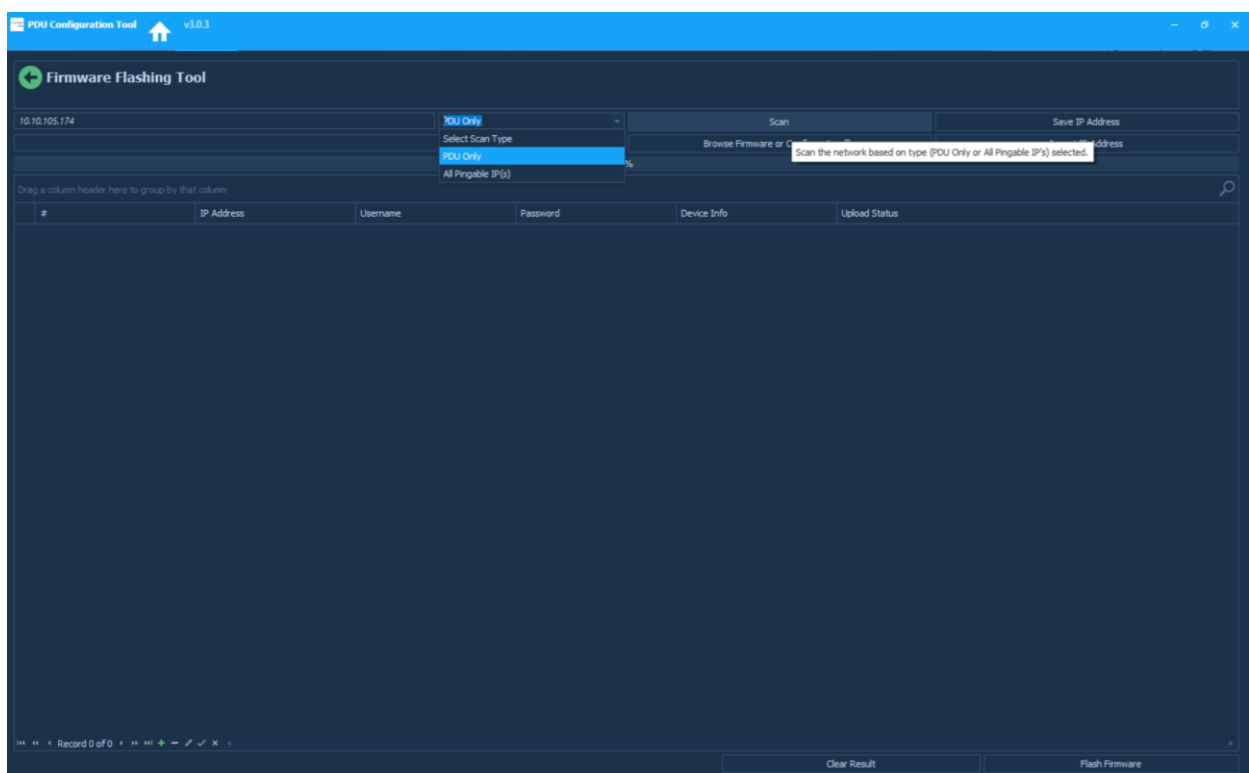
The screenshot displays the 'Input Settings' window of the PDU Configuration Tool. The interface is divided into several sections for configuring different PDU parameters:

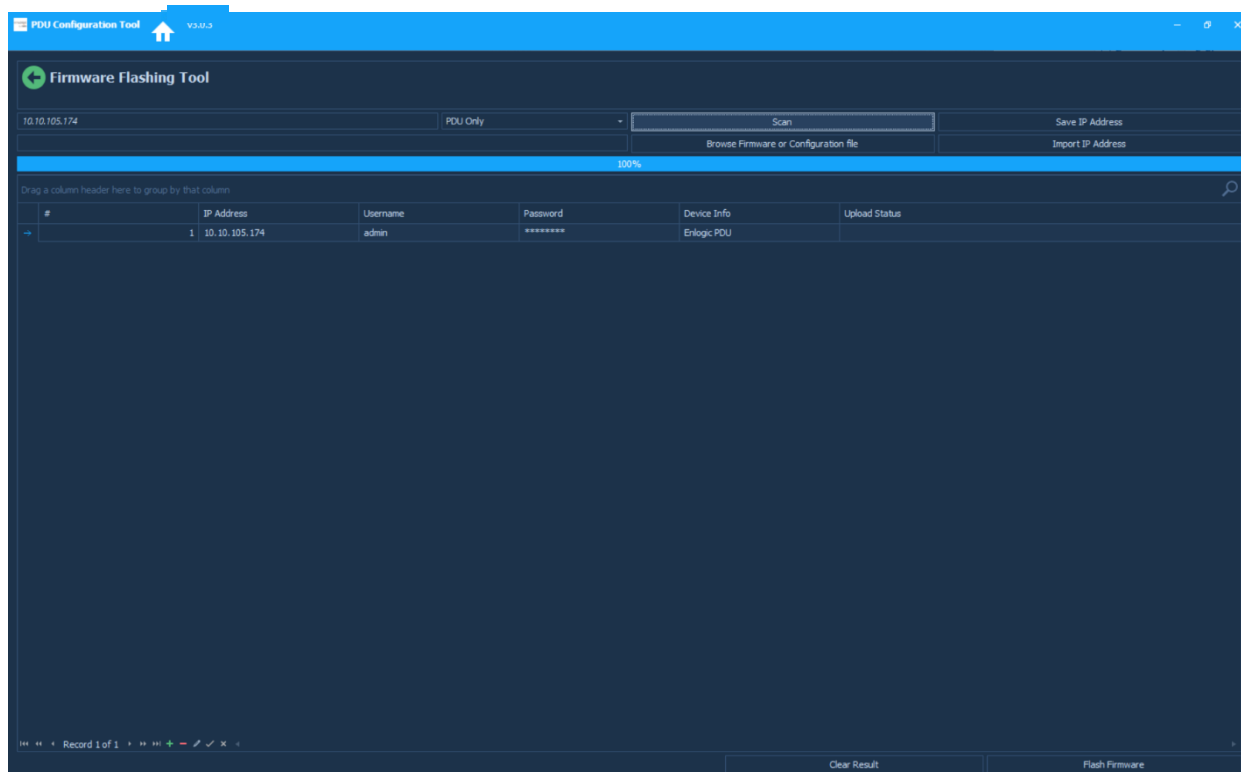
- Power Threshold Settings:** Includes fields for Low Critical (W), Low Warning (W), High Warning (W), High Critical (W), Reset Threshold (W), and Alarm State Change Delay (Samples), each with a corresponding checkbox.
- PDU RCM Thresholds:** Includes fields for High Warning (mA), High Critical (mA), Reset Threshold (mA), and Alarm State Change Delay (Samples), each with a corresponding checkbox.
- Overload Prevention Threshold (VA):** Includes an 'Enable' checkbox, 'Overload Threshold' (set to 5%), 'Reset Timer' (set to 30 mins), and 'Load Rating (VA)' (set to 1).
- Outlet Settings:** Includes 'Outlet State On PDU Startup' (set to On), 'Outlet On Delay (0 ~ 7200 sec)' (set to 0), 'Outlet Off Delay (0 ~ 7200 sec)' (set to 0), 'Outlet Reboot Duration (5 ~ 60 sec)' (set to 5), and 'Device Detect Threshold (50 - 150)' (set to 150).
- Power Share Settings:** Includes a 'PowerShare Enable' checkbox (checked).
- RCM Self Test Schedule:** Includes an 'Enable' checkbox, 'Frequency' (set to Monthly), 'Date/Time' (set to 17/12/2024 09:48:05), 'Day Of The Week' (set to Tuesday), and 'Start Time (HH:MM:SS)' (set to 9:48:05).

## 5. Firmware Flashing Tool

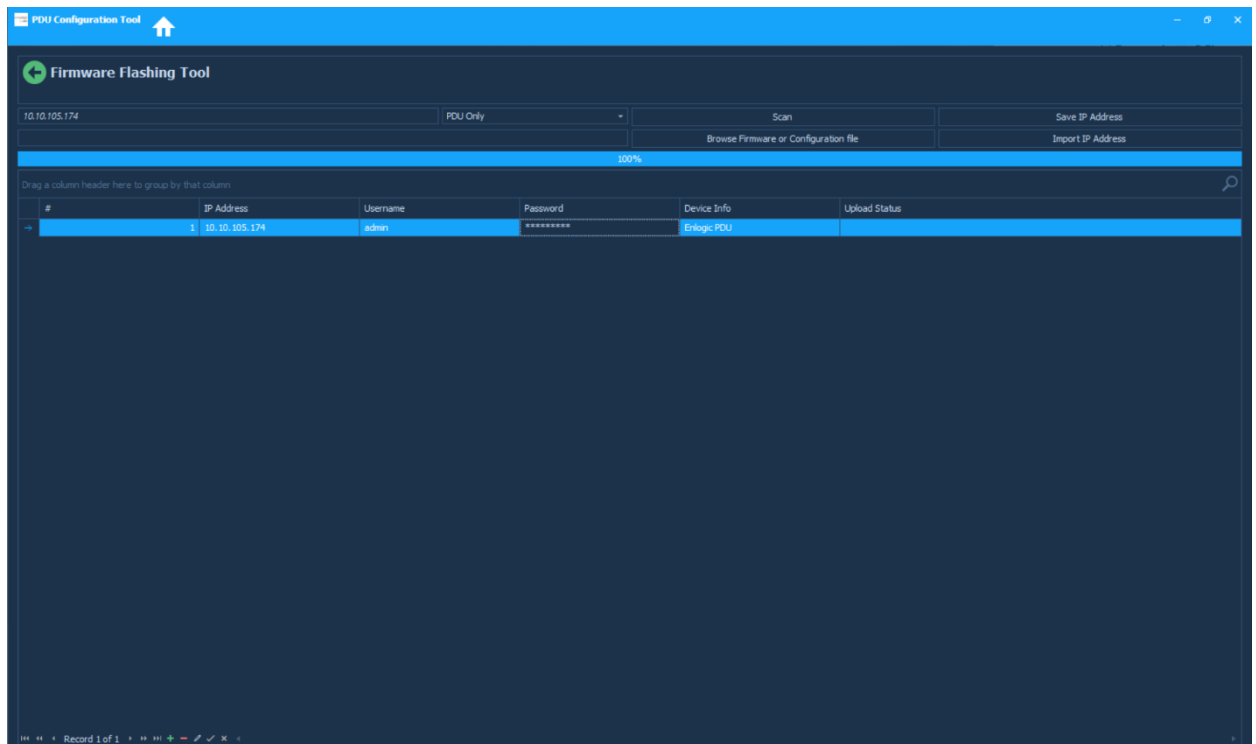


1. Click on the Tools icon to upload the Firmware.
2. Enter a valid IP address xxx.xxx.xxx.xxx, E.g.: 10.10.105.174 and select the Scan Type as **PDU Only** or **All Pingable IPs** . Click on **Scan** to check for the IPs in the network.
3. If **PDU Only** is selected the result will display a list of all Enlogic PDU IPs in the network with the default username and password.

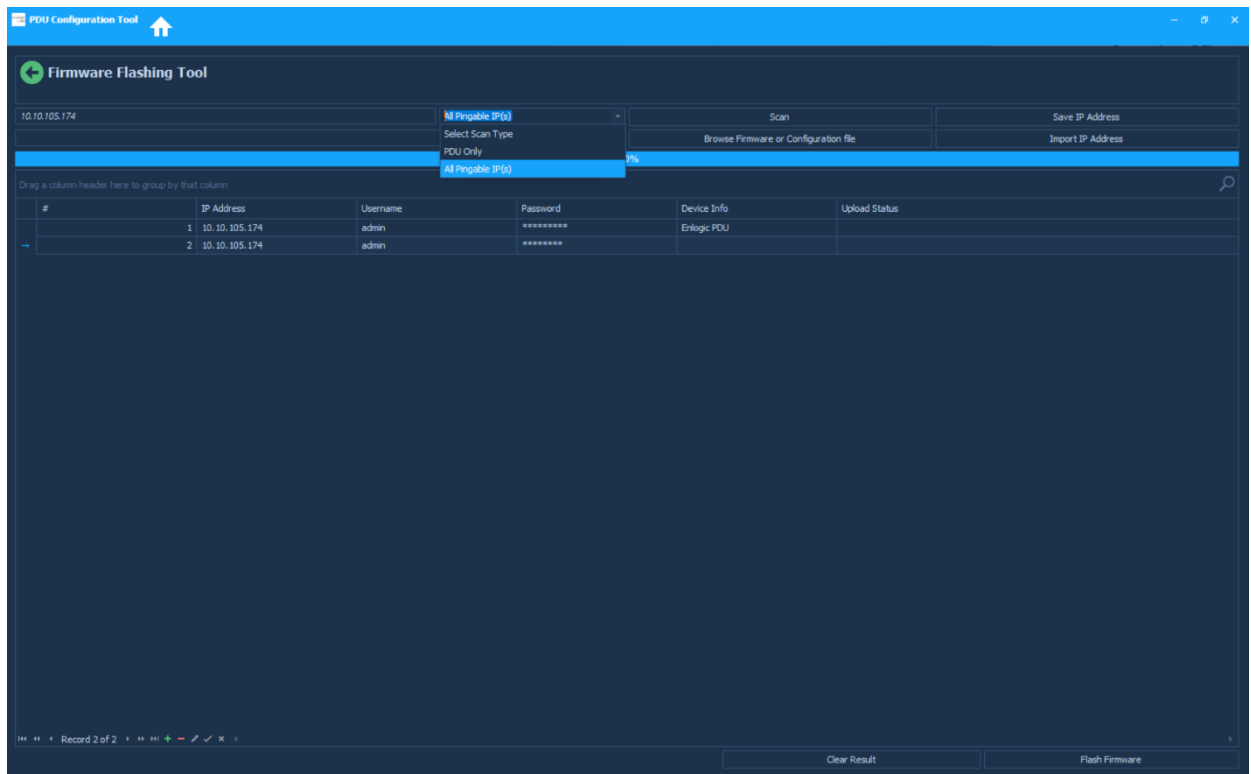




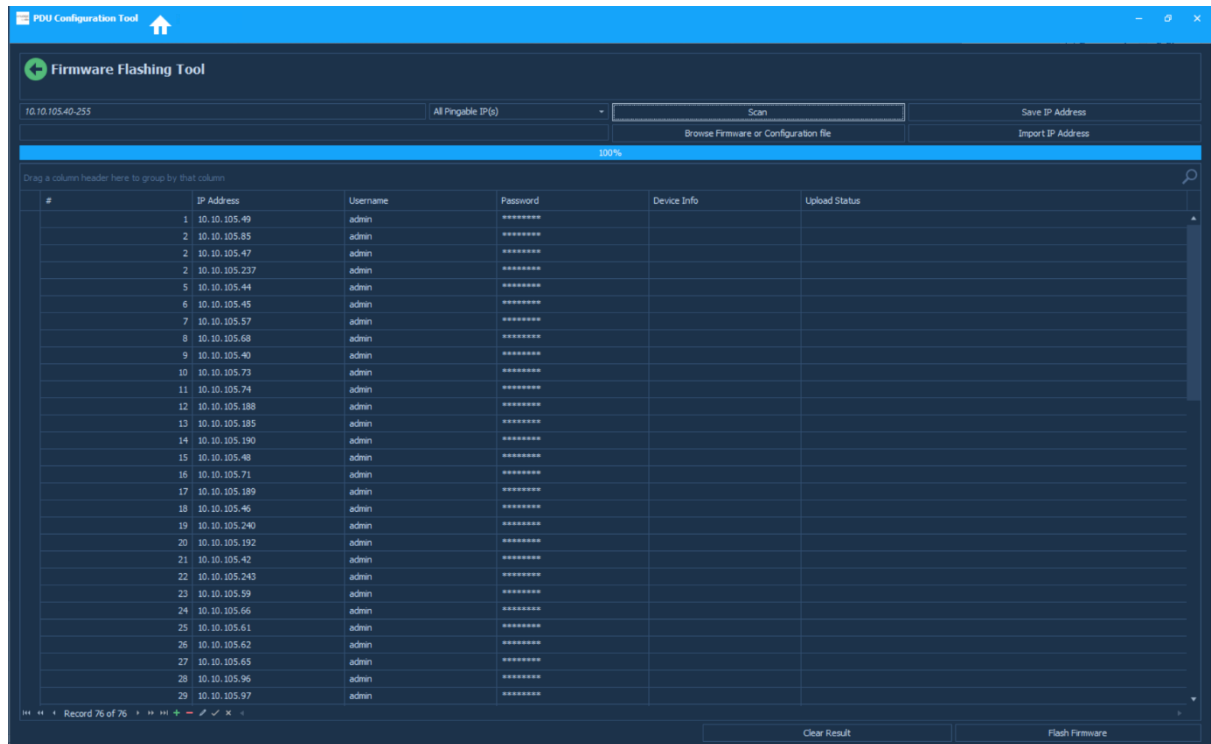
4. The default username and password displayed will be 'admin' and '12345678'.
5. You can change it to any valid username of 'admin' privilege to upload the firmware/ configuration file.
6. From the IP addresses list, select the IPs to upload the firmware. Click on **Browse Firmware or Configuration File** button.
7. Enter the current password of the PDU in the **Password** field.
8. Edit the PDUs username and password before uploading the firmware file. It will show default username and password. To edit it click on the username and password field and edit it.



- If **All Pingable IPs** is selected the result will display a list of all IPs in the network with the default username and password.

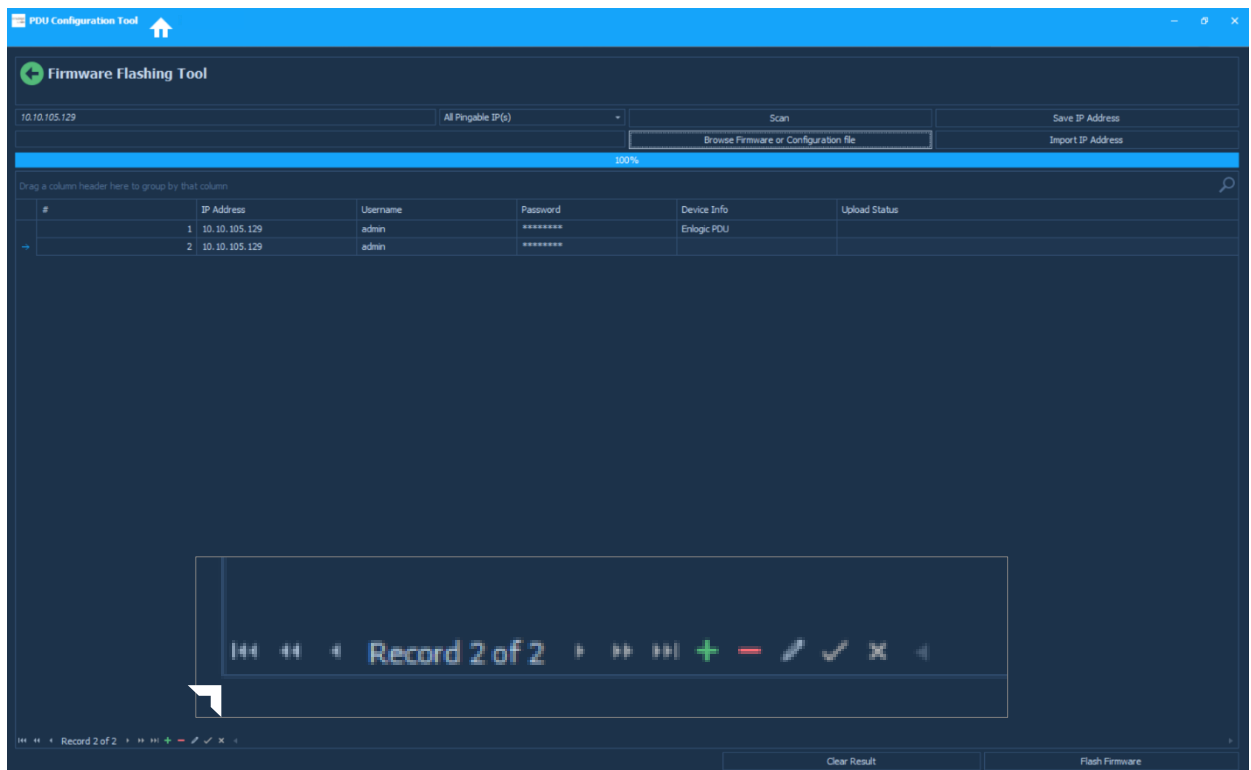



10. If the user needs to list all pingable Enlogic IPs, the IP search can be set with a range xxx.xxx.xxx.xxx-xxx For e.g.: 10.10.105.40-255 . Click Scan. All the total IPs will be displayed.



11. Click on the **Save IP Address** button to save the IP addresses in an excel sheet at the selected location.

12. Click on **Import IP Address** button to import the IP addresses previously stored in an excel sheet.



13. To delete IPs which do not need a firmware upload, select them from the and click on the '-' button.
14. If you want to add any entry, then click on the '+' button. An empty field will appear, add a new IP, username, and password.
15. Select the field to be edited and click the **pen** button to make changes.
16. Select the **tick** symbol to end any edit.
17. Select the '**x**' **close** symbol is to complete an edit.
18. Click on the  button to save changes.



## Upload Firmware of Configuration for individual IPs

Typically an IP scan, will return with multiple IPs, even though when selected only one IP is highlighted. But when you initiate the firmware/ conf file upload, it will apply to all the IPs in the list.

If you want to upload firmware or conf.ini file on only one IP, then follow the steps below:

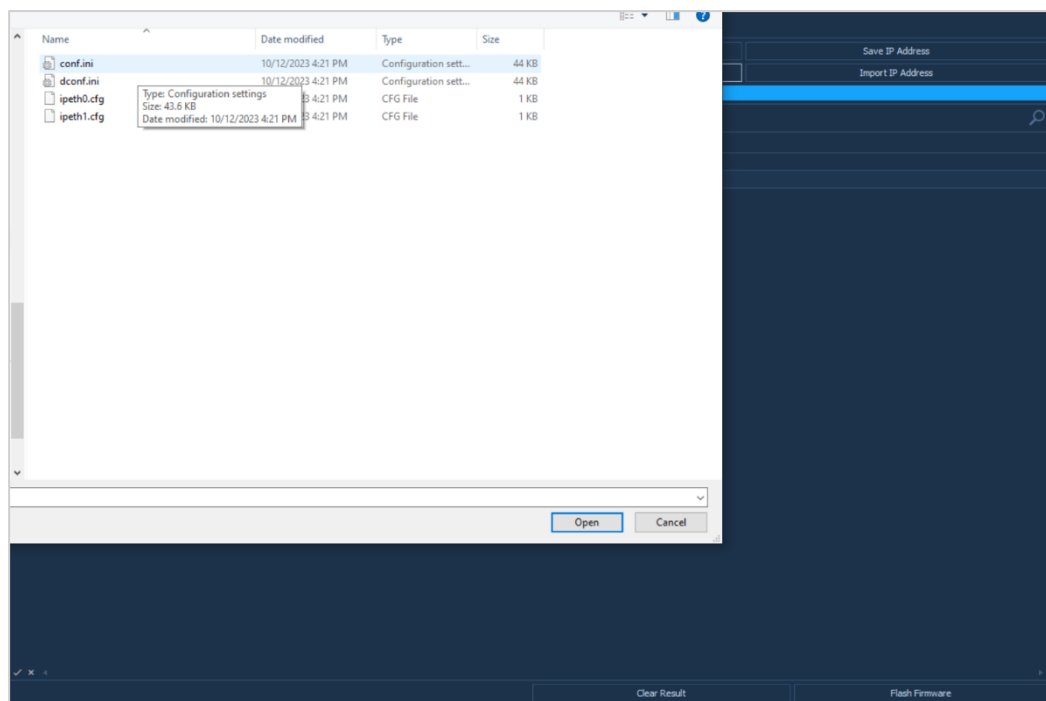
1. If your IP is in the list, then remove all IPs by selecting it and removing it using the ' - ' button.
2. Skip IP scan, Click the ' + ' button to add a new field and enter the PDU details (IP, username, and password).

Specific IPs can be listed with a scan range. The scan will list out specific IPs with the default username and password.

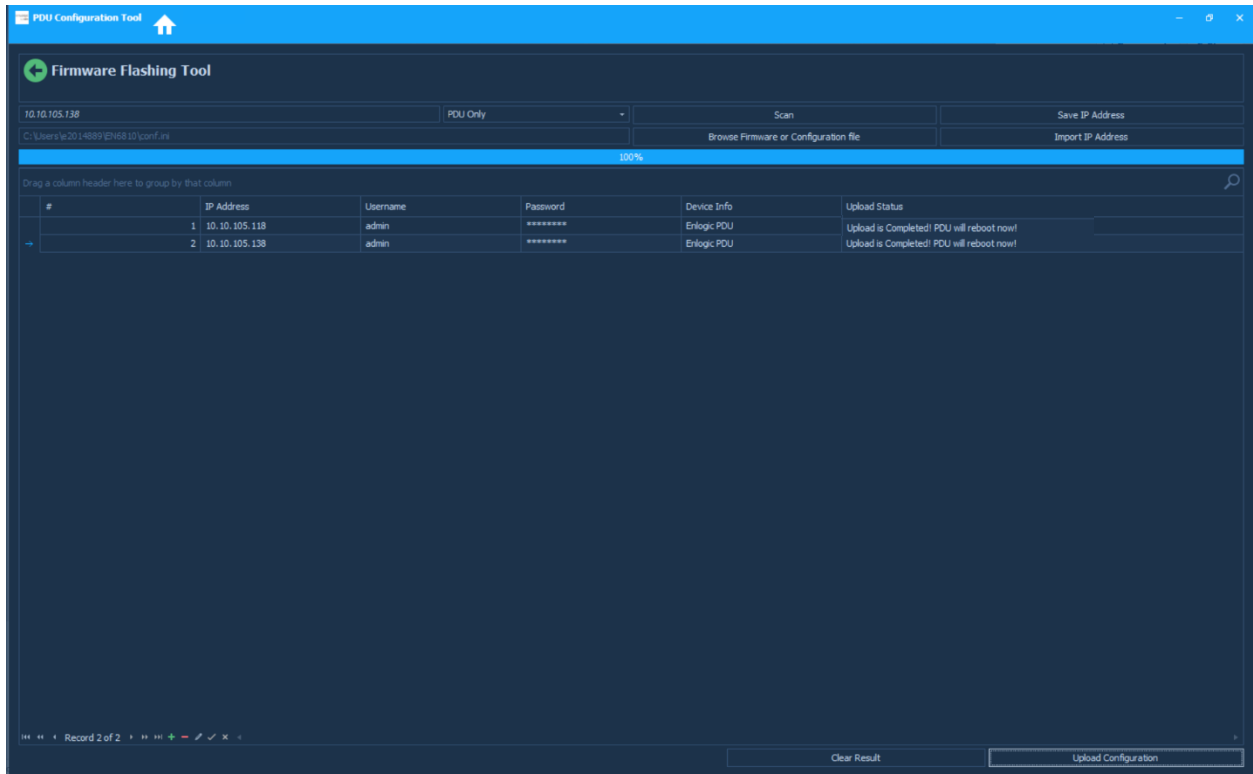
**Note - PDUs with default passwords** – For default PDUs enter the default password in the **Password** field. The PDU will get set back to the current password (i.e., 12345678) during Configuration/Firmware Upload.


3. Select scanned IP and the firmware file or the configuration file that you want to upload and click on the **Browse Firmware or Configuration File** button.
4. Select the conf.ini file from the folder. Click **Flash Firmware** button to upload.

**Note:** PCT tool will upload the configuration file on the master and all the slave PDUs connected.

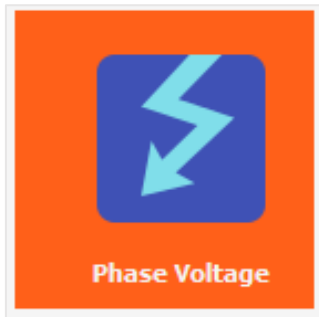



5. The Upload Status section will provide the information. If upload is successful, the PDU will reboot.



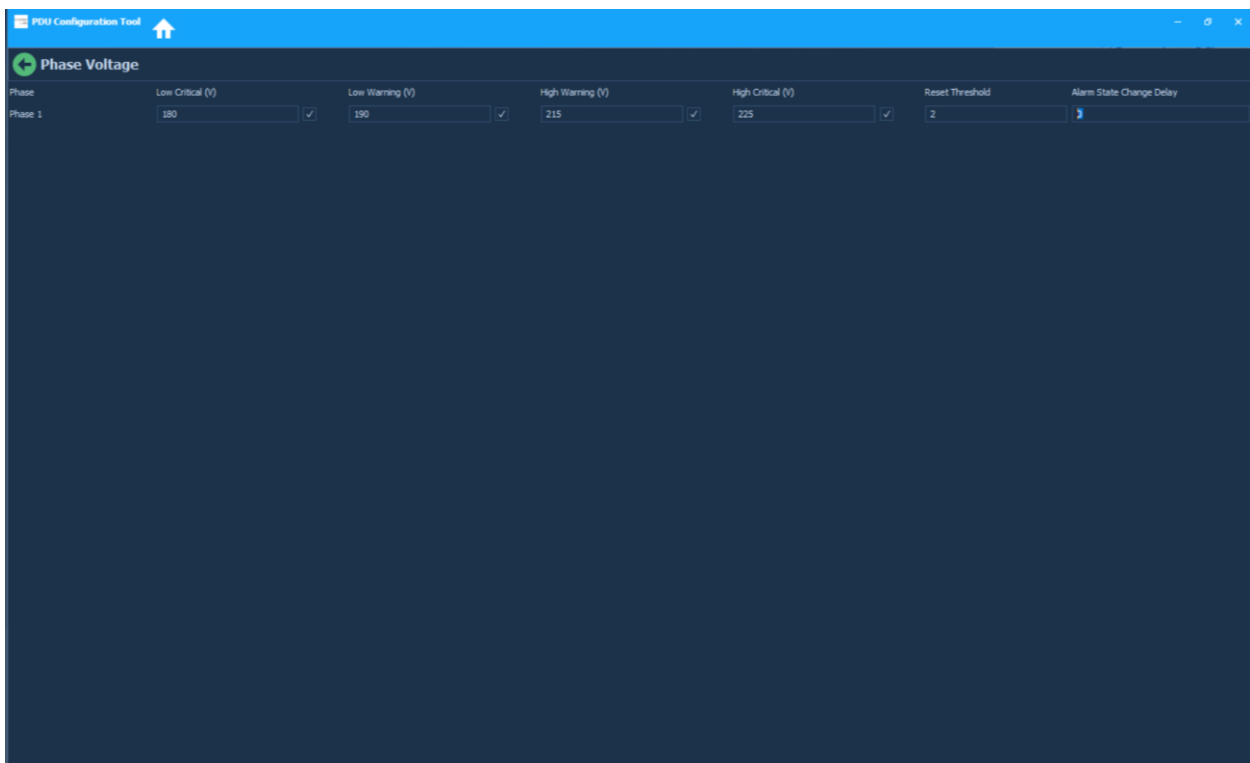
6. Click on **Clear Result** button to clear all the IP entries.
7. Click on the **Yes** button to confirm and delete all the entries.
8. Click  on the button to save changes.

## 6. Phase Voltage Settings



1. Click on the **Phase Voltage** icon to set the values in the input Phase Voltage settings page.
2. On a mouse-over you can check the voltage range to be set for each tab. If you have selected a **Single Phase SKU**, enter the Low Critical voltage to High Critical Values for one phase, update the threshold and alarms settings.
3. Click on the  button to save changes.


### Single Phase SKU

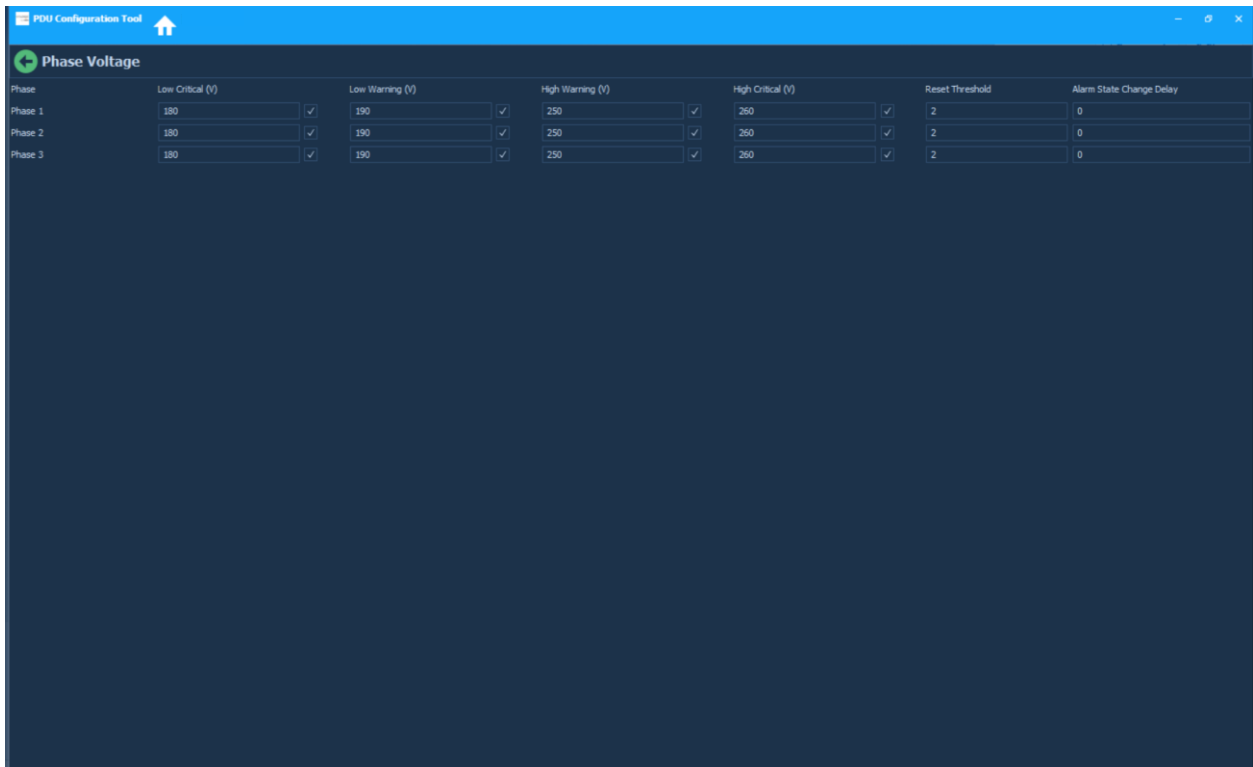


The screenshot shows the 'Phase Voltage' configuration window in the 'PDU Configuration Tool'. The window has a blue header bar with the tool name and a home icon. Below the header, the title 'Phase Voltage' is displayed with a green circular icon. The main area is a table with columns for 'Phase', 'Low Critical (V)', 'Low Warning (V)', 'High Warning (V)', 'High Critical (V)', 'Reset Threshold', and 'Alarm State Change Delay'. The 'Phase' column lists 'Phase 1'. The other columns contain numerical values: 180, 190, 215, 225, 2, and a lightning bolt icon respectively. Each value has a small green checkmark to its right.

Phase	Low Critical (V)	Low Warning (V)	High Warning (V)	High Critical (V)	Reset Threshold	Alarm State Change Delay
Phase 1	180 ✓	190 ✓	215 ✓	225 ✓	2	⚡

## Three Phase SKU

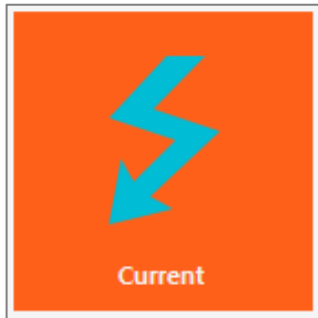
1. Click on the **Phase Voltage** icon to set the values.
2. On a mouse-over you can check the voltage range to be set for each tab. If you have selected a **Three Phase SKU**, enter the Low Critical voltage to High Critical Values for all three phases, update the threshold and alarms settings.
3. Click on the  button to save changes.




The screenshot shows the 'PDU Configuration Tool' window with the 'Phase Voltage' tab selected. The window displays a table for configuring voltage thresholds and alarms for three phases. The table has columns for Phase, Low Critical (V), Low Warning (V), High Warning (V), High Critical (V), Reset Threshold, and Alarm State Change Delay. The values are set for Phase 1, Phase 2, and Phase 3.

Phase	Low Critical (V)	Low Warning (V)	High Warning (V)	High Critical (V)	Reset Threshold	Alarm State Change Delay
Phase 1	180	190	250	260	2	0
Phase 2	180	190	250	260	2	0
Phase 3	180	190	250	260	2	0

## 7. Phase Current Settings



1. Click on the **Phase Current** icon to set the values in the input Phase Current settings page.
2. On a mouse-over you can check the current range to be set for each tab. If you have selected a **Three Phase SKU**, enter the Low Critical amperage values to High Critical amperage values for three phases, update the threshold and alarms settings.
3. Click on the button  to save changes.

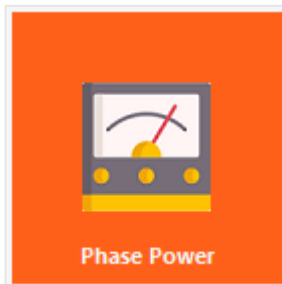
PDJ Configuration Tool


### Phase Current

Phase	Low Critical (A)	Low Warning (A)	High Warning (A)	High Critical (A)	Reset Threshold	Alarm State Change Delay
Phase 1	0	0	45	57	1	0
Phase 2	0		45	57	1	0
Phase 3	0		45	57	1	0

Please enter value between 0 - 63

## 8. Phase Power



1. Click on the **Phase Power** icon to set the values for Active and Apparent Phase Power threshold settings.
2. On a mouse-over you can check the power range to be set for each tab. Enter the Low Critical amperage values to High Critical amperage values and update the threshold and alarms settings.
3. Click on the button  to save changes.

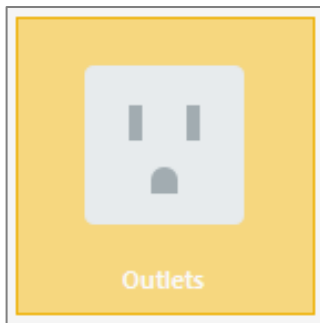
PDU Configuration Tool v1.0.0


### Phase Power

	Low Critical (W)	Low Warning (W)	High Warning (W)	High Critical (W)	Reset Threshold	Alarm State Change Delay
Active Power (W)						
Phase 1	0	0	0	0	0	0
Phase 2	0	0	0	0	0	0
Phase 3	0	0	0	0	0	0

	Low Critical (VA)	Low Warning (VA)	High Warning (VA)	High Critical (VA)	Reset Threshold	Alarm State Change Delay
Apparent Power (VA)						
Phase 1	0	0	0	0	0	0
Phase 2	0	0	0	0	0	0
Phase 3	0	0	0	0	0	0

## 9. Outlets



1. Click on the **Outlet** icon to configure threshold settings on the Control Outlets page.
2. On a mouse-over you can check the wattage range to be set for each tab. The values need to be set for the Outlets in a priority sequence. If there is an errored value entered, it will be indicated in a red colour icon against the Outlet# selected.
3. Click on the button to  save changes.

PDU Configuration Tool

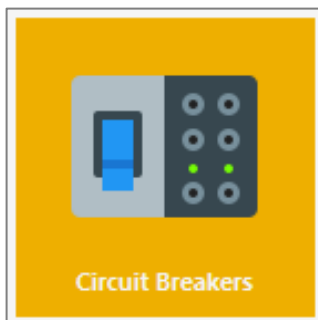
### Control Outlets


Drag a column header here to group by that column

Outlet Name	Low Critical (W)	Low Warning (W)	High Warning (W)	High Critical (W)	Reset Threshold	Change Delay (W)
OUTLET1	0	5000	0	0	0	0
OUTLET2	0		0	0	0	0
OUTLET3	0		0	0	0	0
OUTLET4	0		0	0	0	0
OUTLET5	0		0	0	0	0
OUTLET6	0		0	0	0	0
OUTLET7	0		0	0	0	0
OUTLET8	0		0	0	0	0
OUTLET9	0		0	0	0	0
OUTLET10	0		0	0	0	0
OUTLET11	0		0	0	0	0
OUTLET12	0		0	0	0	0
OUTLET13	0		0	0	0	0
OUTLET14	0		0	0	0	0
OUTLET15	0		0	0	0	0
OUTLET16	0		0	0	0	0
OUTLET17	0		0	0	0	0
OUTLET18	0		0	0	0	0
OUTLET19	0		0	0	0	0
OUTLET20	0		0	0	0	0
OUTLET21	0		0	0	0	0
OUTLET22	0		0	0	0	0
OUTLET23	0		0	0	0	0
OUTLET24	0		0	0	0	0
OUTLET25	0		0	0	0	0
OUTLET26	0		0	0	0	0
OUTLET27	0		0	0	0	0
OUTLET28	0		0	0	0	0
OUTLET29	0		0	0	0	0
OUTLET30	0		0	0	0	0
OUTLET31	0		0	0	0	0
OUTLET32	0		0	0	0	0
OUTLET33	0		0	0	0	0
OUTLET34	0		0	0	0	0
OUTLET35	0		0	0	0	0

Please enter value between 0 - 4160

## 10. Circuit Breakers



1. Click on the **Circuit Breakers** icon to configure threshold settings on the circuit breaker settings page.
2. On a mouse-over you can check the amperage range to be set for each tab. In this section, enter the Low Critical amperage values to High Critical amperage values for circuit breakers, update the threshold and alarms settings.
3. Click on the button  to save changes.

PDU Configuration Tool v3.0.8

### Circuit Breaker Settings

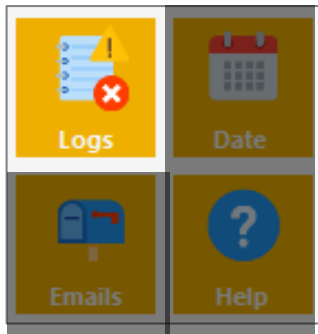
Drag a column header here to group by that column


Breaker Name	Low Critical (W)	Low Warning (W)	High Warning (W)	High Critical (W)	Reset Threshold	Change Delay (W)
B1	0	0	14	15	1	0
B2	0	0	14	15	1	0
B3	0	0	14	15	1	0
B4	0	0	14	15	1	0
B5	0	0	14	15	1	0
B6	0	0	14	15	1	0
B7	0	0	14	15	1	0
B8	0	0	14	15	1	0
B9	0	0	14	15	1	0
B10	0	0	14	15	1	0
B11	0	0	14	15	1	0
B12	0	0	14	15	1	0
B13	0	0	14	15	1	0
B14	0	0	14	15	1	0
B15	0	0	14	15	1	0
B16	0	0	14	15	1	0
B17	0	0	14	15	1	0
B18	0	0	14	15	1	0
B19	0	0	14	15	1	0
B20	0	0	14	15	1	0
B21	0	0	14	15	1	0
B22	0	0	14	15	1	0
B23	0	0	14	15	1	0
B24	0	0	14	15	1	0

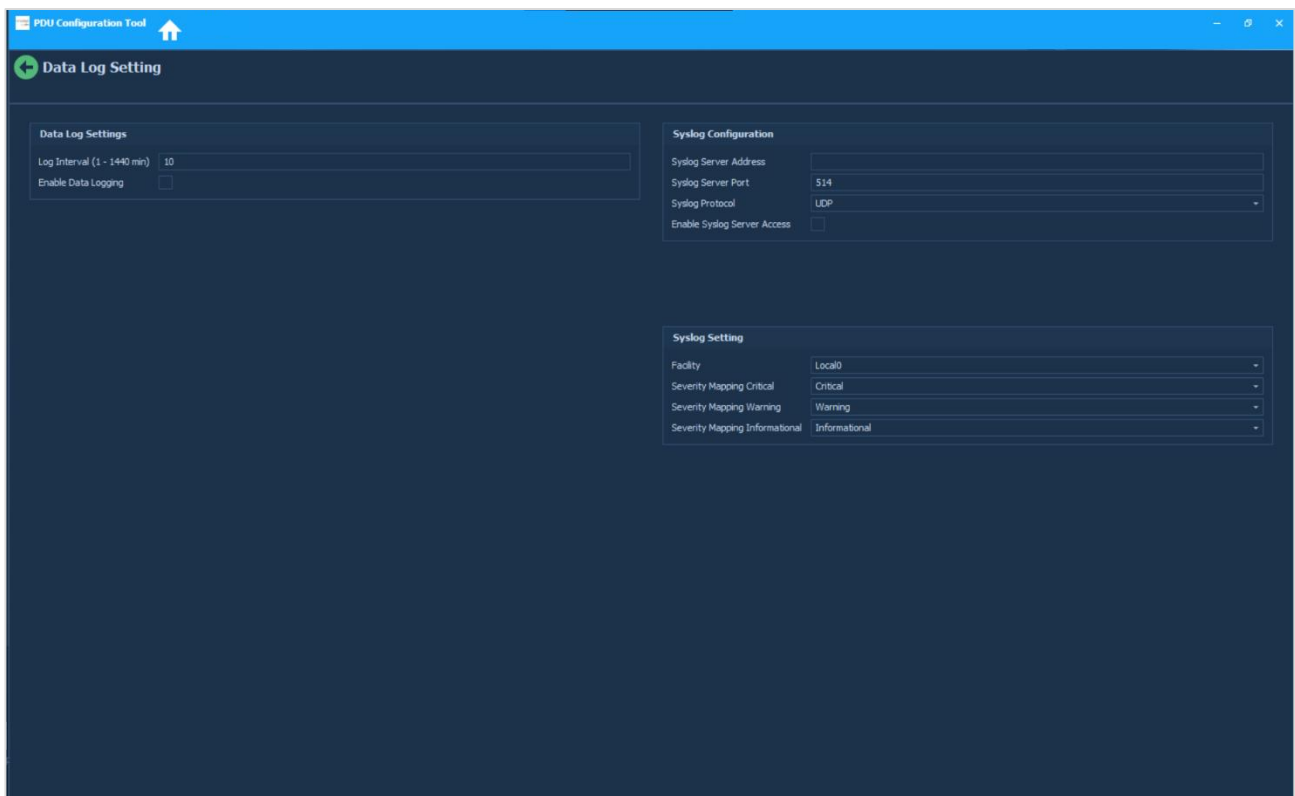
Record 24 of 24



## 11. Data Log Settings



1. Click on the **Logs** icon to configure Data Log Settings and the Syslog Configuration on this page.
2. For Data Log Settings, on a mouse-over you will be given a hint to add the Log interval duration to be set in Minutes. Add the duration and click on Enable.
3. For Syslog Configuration, on a mouse-over you will be given a hint to add the IPV4 IP address, server port number and select Syslog Protocol [UDP/TCP/UDP+TCP]. Toggle on to **Enable**.
4. Add the Syslog settings – security mapping and facilities.
5. Click on the  button to save changes.



**Data Log Settings**

Log Interval (1 - 1440 min)

Enable Data Logging ☐

**Syslog Configuration**

Syslog Server Address

Syslog Server Port

Syslog Protocol

Enable Syslog Server Access ☐

**Syslog Setting**

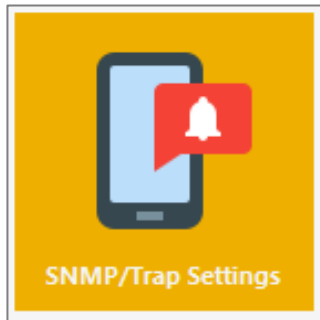
Facility

Severity Mapping Critical

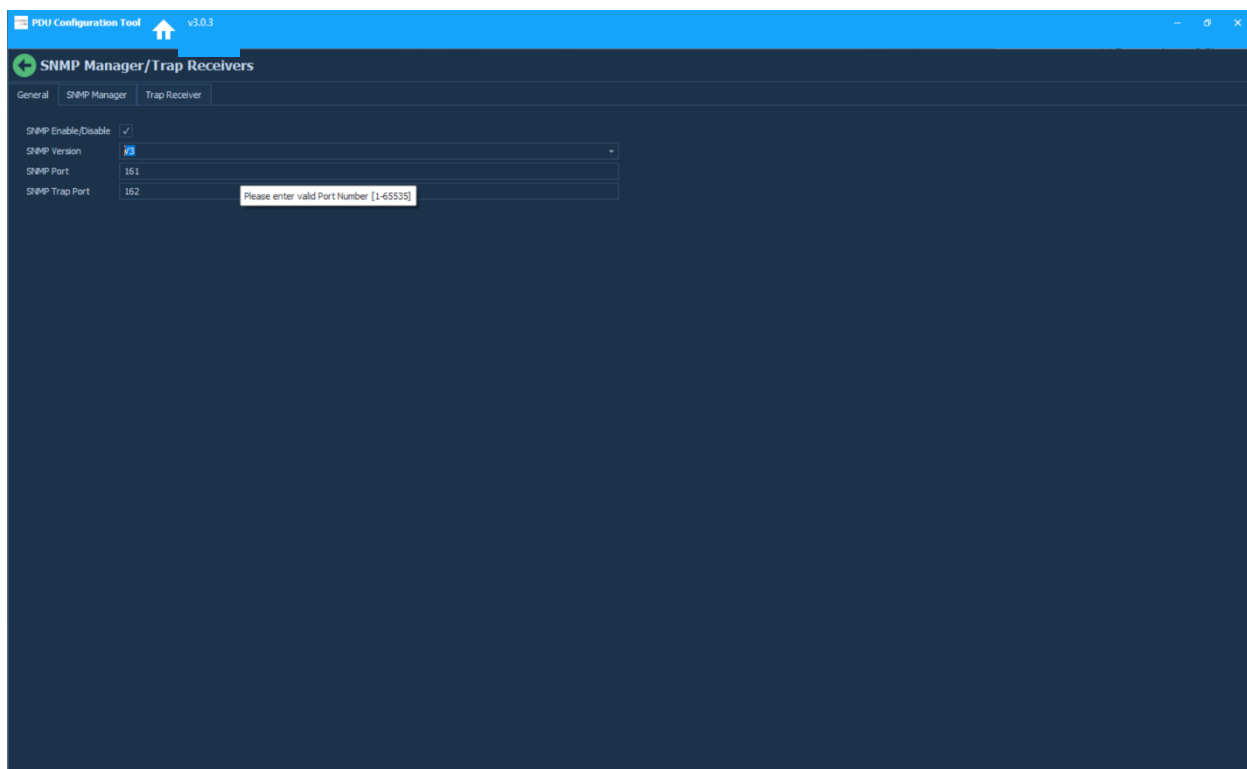
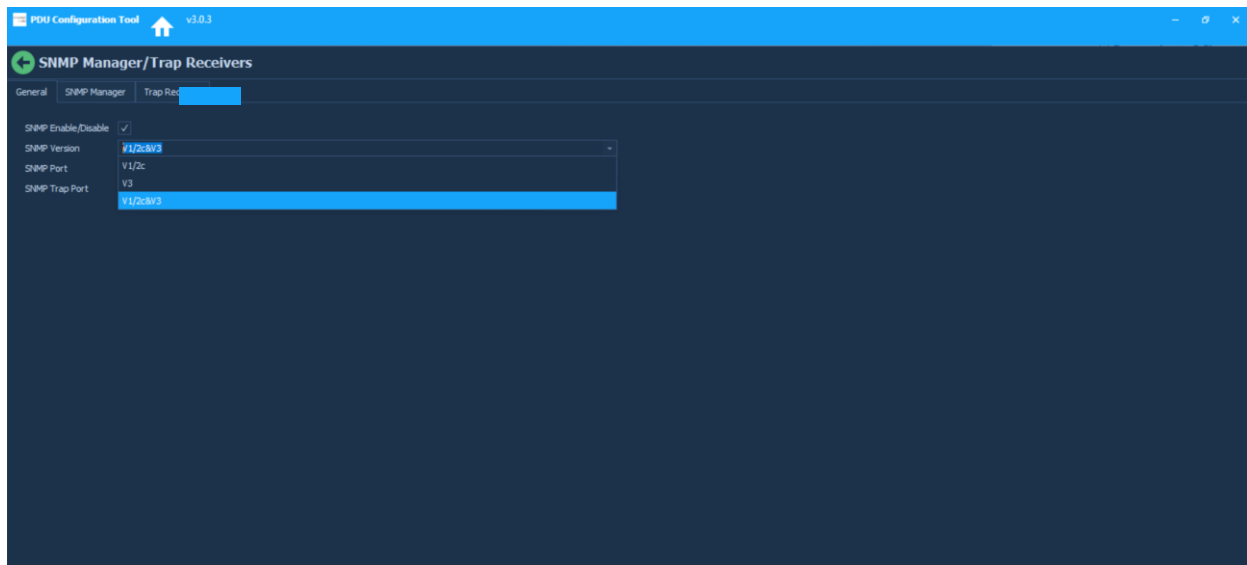
Severity Mapping Warning

Severity Mapping Informational

## 12. SNMP Settings



1. Click on the **SNMP/Trap Settings** icon to configure settings for SNMP Manager.
2. Access the first tab, **General** and enable the SNMP Manager, enter the version, port, and trap port settings.



3. Access the second tab, **SNMP Manager**, add the settings for the V1/2c Manager IP Address and enable it. The user can add up to five IP addresses and enable them.

**SNMP Manager/Trap Receivers**

General | **SNMP Manager** | Trap Receiver

V1/2c Manager IP Address	Read Community	Write Community	Enable/Disable
10.10.105.129	public	private	<input checked="" type="checkbox"/>
2001:c0a8:aa01::a4	public	private	<input type="checkbox"/>
10.10.105.174	public	private	<input type="checkbox"/>
0.0.0.0	public	private	<input type="checkbox"/>
0.0.0.0	public	private	<input type="checkbox"/>

V3 Manager User Name	Security Level	Auth Password	Auth Algorithm	Privacy Key	Privacy Algorithm	Enable/Disable
	No Auth No Priv		MD5		DES	<input type="checkbox"/>
	No Auth No Priv		MD5		DES	<input type="checkbox"/>
	No Auth No Priv		MD5		DES	<input type="checkbox"/>
	No Auth No Priv		MD5		DES	<input type="checkbox"/>
	No Auth No Priv		MD5		DES	<input type="checkbox"/>

4. In the **SNMP Manager** page, add the settings for the V3Manager User Name, Security Level, Auth Password, Algorithm, Privacy Key and Algorithm and enable it. The user can add up to five User Names and enable them.

**SNMP Manager/Trap Receivers**

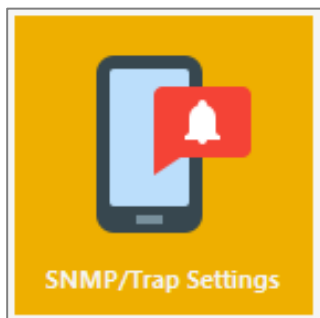
General | **SNMP Manager** | Trap Receiver


V1/2c Manager IP Address	Read Community	Write Community	Enable/Disable
10.10.105.129	public	private	<input checked="" type="checkbox"/>
2001:c0a8:aa01::a4	public	private	<input type="checkbox"/>
10.10.105.174	public	private	<input type="checkbox"/>
0.0.0.0	public	private	<input type="checkbox"/>
0.0.0.0	public	private	<input type="checkbox"/>

V3 Manager User Name	Security Level	Auth Password	Auth Algorithm	Privacy Key	Privacy Algorithm	Enable/Disable
	No Auth No Priv		MD5		DES	<input type="checkbox"/>
	No Auth No Priv		MD5		DES	<input type="checkbox"/>
	No Auth No Priv		MD5		DES	<input type="checkbox"/>
	No Auth No Priv		MD5		DES	<input type="checkbox"/>
	No Auth No Priv		MD5		DES	<input type="checkbox"/>

## 13. Trap Settings



1. Click on the **SNMP/Trap Settings** icon to configure settings for Trap Receivers.
2. Access the third tab, **Trap Receiver** and enable V1/2c Trap Name, other settings and enable it.
3. In the same page, the second table set the V3 Trap Name, other settings and enable it.
4. Click on the  button to save changes.

PDU Configuration Tool

### SNMP Manager/Trap Receivers

General | SNMP Manager | Trap Receiver

V1/2c Trap Name	Host	Community	Enable/Disable
		public	<input type="checkbox"/>
		public	<input type="checkbox"/>
		public	<input type="checkbox"/>
		public	<input type="checkbox"/>

Please enter valid Trap Receiver Name (Max of 32 Character Length)

V3 Trap Name	Host	Security Level	Auth Password	Auth Algorithm	Privacy Key	Privacy Algorithm	Enable/Disable
		No Auth No Priv		MD5		DES	<input type="checkbox"/>
		No Auth No Priv		MD5		DES	<input type="checkbox"/>
		No Auth No Priv		MD5		DES	<input type="checkbox"/>
		No Auth No Priv		MD5		DES	<input type="checkbox"/>
		No Auth No Priv		MD5		DES	<input type="checkbox"/>

PDU Configuration Tool v3.0.3

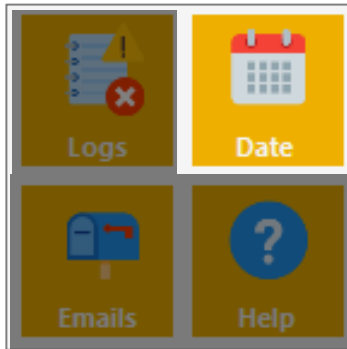
### SNMP Manager/Trap Receivers


General | SNMP Manager | Trap Receiver

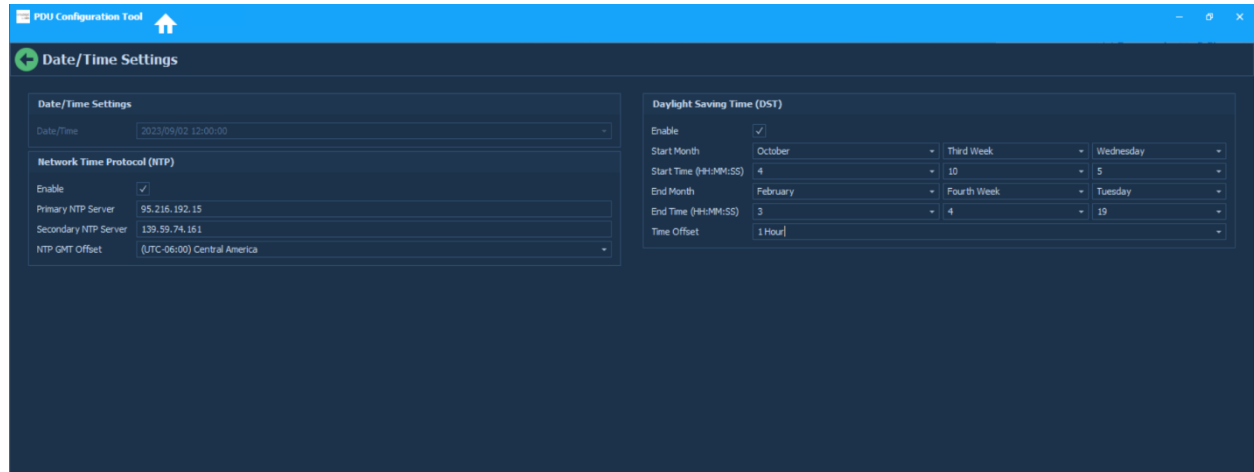
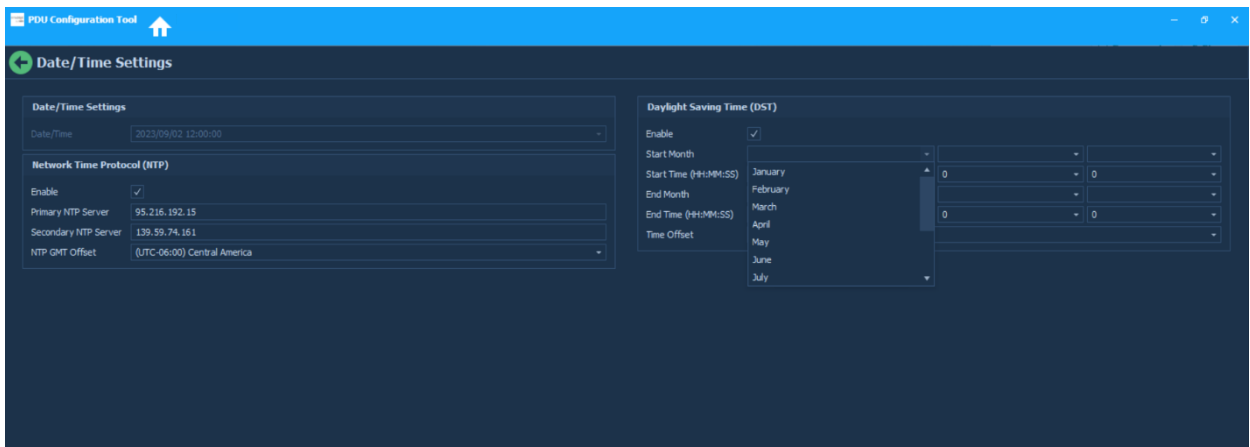
V1/2c Trap Name	Host	Community	Enable/Disable
User Tuscon	10.10.105.126	public	<input checked="" type="checkbox"/>
User Wuxi	10.10.105.174	public	<input checked="" type="checkbox"/>
		public	<input type="checkbox"/>
		public	<input type="checkbox"/>
		public	<input type="checkbox"/>

V3 Trap Name	Host	Security Level	Auth Password	Auth Algorithm	Privacy Key	Privacy Algorithm	Enable/Disable
Manager	10.10.105.126	Auth Priv	manager 123	MD5	123456	AES	<input checked="" type="checkbox"/>
Supersadmin	10.10.105.174	No Auth No Priv		MD5		DES	<input type="checkbox"/>
		No Auth No Priv		MD5		AES 128	<input type="checkbox"/>
		No Auth No Priv		MD5		AES 192	<input type="checkbox"/>
		No Auth No Priv		MD5		AES 256	<input type="checkbox"/>

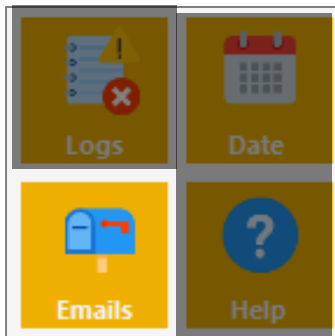
## 14. Date/Time Settings




1. Click on the **Date** icon to configure Date/Time Settings on the page.
2. Select the Date/Time zone from the dropdown menu
3. In the Network Time Protocol (NTP) table, click Enable and add the NTP primary, secondary server IPs and select the GMT offset time zones from the dropdown menu.
4. In the Daylight Saving Time (DST) table, click Enable and add all day light saving settings.
5. Click on the  button to save changes.



## 15. Email Setup



1. Click on the **Emails** icon to configure email settings on the page.
2. In the SMTP Account settings table, enter all the Email Server address and all other details to configure your email.
3. In the Email Recipients table, add the email ids and select to enable them.
4. Click on the button  to save changes.

PDF Configuration Tool

### Email Setup

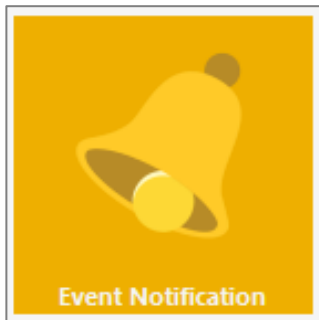
#### SMTP Account Settings


Email Server Address	255.201.12.12
Sender Address	info@mycompany.com
Port	25
Username	admin
Password	*****
Number of Sending Retries	3
Time Interval Between Sending Retries (In Minutes)	6
Server Requires Authentication	<input checked="" type="checkbox"/>

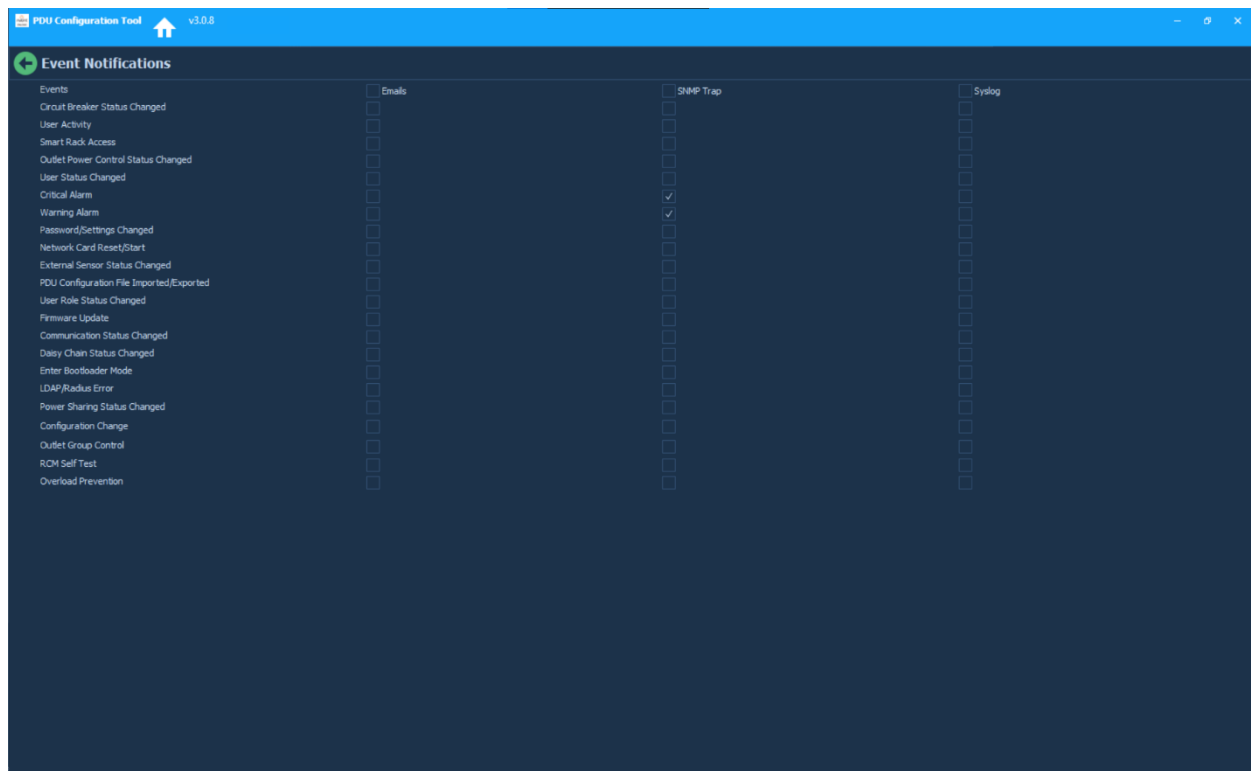
#### Email Recipients

1	admin@mycompany.com	<input checked="" type="checkbox"/>
2	manager@mycompany.com	<input checked="" type="checkbox"/>
3		<input type="checkbox"/>
4		<input type="checkbox"/>
5		<input type="checkbox"/>

## 16. Event Notification

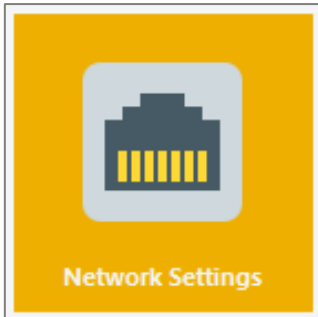



1. Click on the **Event Notification** icon to enable the Email, SNMP Trap and Syslog settings for various events on this page. Select each of the events and enable the required notifications.
2. Click on the button  to save changes.



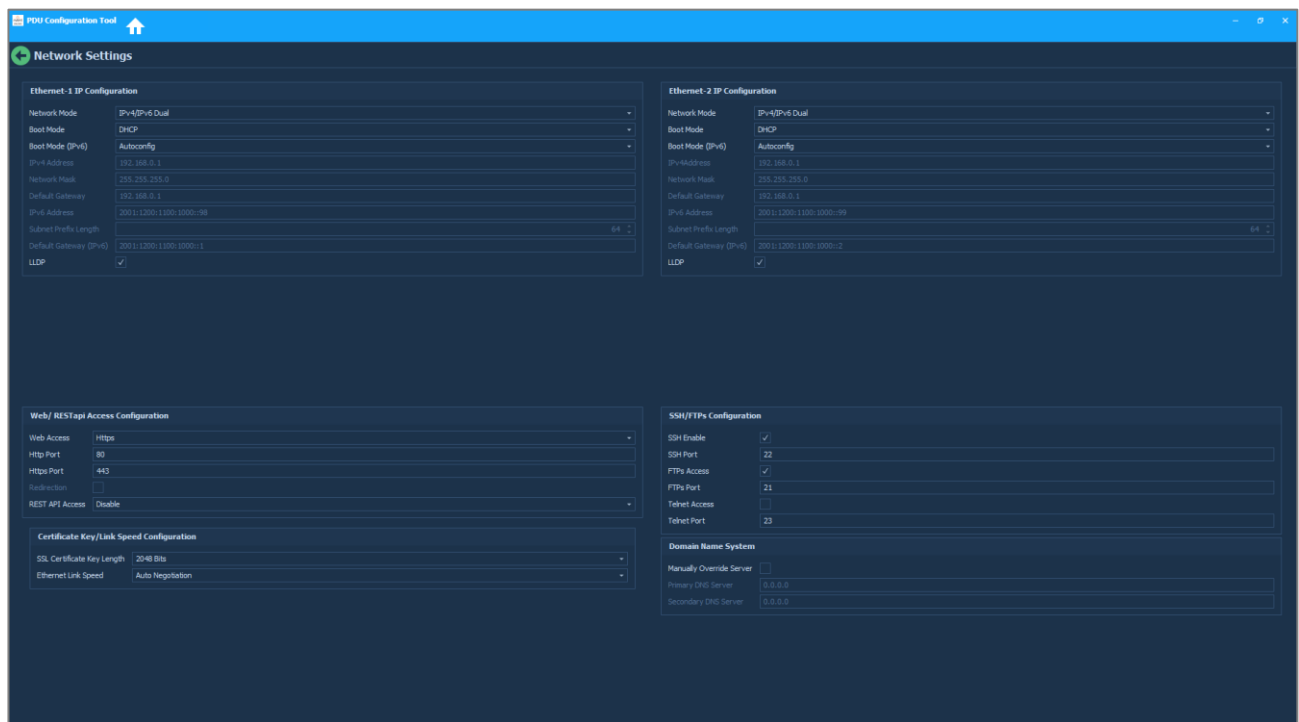
Events	Email	SNMP Trap	Syslog
Events	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Circuit Breaker Status Changed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
User Activity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Smart Rack Access	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Outlet Power Control Status Changed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
User Status Changed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Critical Alarm	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Warning Alarm	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Password/Settings Changed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Network Card Reset/Start	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
External Sensor Status Changed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PDU Configuration File Imported/Exported	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
User Role Status Changed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Firmware Update	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Communication Status Changed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Daisy Chain Status Changed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Enter Bootloader Mode	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
LDAP/RADIUS Error	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Power Sharing Status Changed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Configuration Change	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Outlet Group Control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ROM Self Test	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Overload Prevention	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## 17. Network Settings



1. Click on the **Network Settings** icon to enable the
  - Ethernet -1 IP configuration
  - Ethernet -2 IP Configuration
  - Web/RESTapi Access Configuration
  - SSH/FTPS Configuration
  - Certificate Key/Link Speed Configuration
  - Domain Name System
2. Click on the button  to save changes.

3. Enter the Ethernet -1 IP configuration settings.



**Ethernet-1 IP Configuration**

Network Mode	IPv4/IPv6 Dual
Boot Mode	DHCP
Boot Mode (IPv6)	Autoconfig
IPv4 Address	192.168.0.1
Network Mask	255.255.255.0
Default Gateway	192.168.0.1
IPv6 Address	2001:1200:1000:1000::98
Subnet Prefix Length	64
Default Gateway (IPv6)	2001:1200:1000:1000::1
LLDP	<input checked="" type="checkbox"/>

**Ethernet-2 IP Configuration**

Network Mode	IPv4/IPv6 Dual
Boot Mode	DHCP
Boot Mode (IPv6)	Autoconfig
IPv4 Address	192.168.0.1
Network Mask	255.255.255.0
Default Gateway	192.168.0.1
IPv6 Address	2001:1200:1000:1000::99
Subnet Prefix Length	64
Default Gateway (IPv6)	2001:1200:1000:1000::2
LLDP	<input checked="" type="checkbox"/>

**Web/ RESTapi Access Configuration**

Web Access	Https
Http Port	80
Https Port	443
Redirection	<input type="checkbox"/>
REST API Access	Disable

**Certificate Key/Link Speed Configuration**

SSL Certificate Key Length	2048 Bits
Ethernet Link Speed	Auto Negotiation

**SSH/FTPS Configuration**

SSH Enable	<input checked="" type="checkbox"/>
SSH Port	22
FTPS Access	<input checked="" type="checkbox"/>
FTPS Port	21
Telnet Access	<input type="checkbox"/>
Telnet Port	23

**Domain Name System**

Manually Override Server	<input type="checkbox"/>
Primary DNS Server	0.0.0.0
Secondary DNS Server	0.0.0.0



4. Enter the Ethernet -2 IP Configuration settings.

**PDU Configuration Tool v3.0.8**

### Network Settings

#### Ethernet-1 IP Configuration

Network Mode	IPv4/IPv6 Dual
Boot Mode	DHCP
Boot Mode (IPv6)	Autocfg
IPv4 Address	192.168.0.1
Network Mask	255.255.255.0
Default Gateway	192.168.0.1
IPv6 Address	2001:1200:1100:1000::98
Subnet Prefix Length	64
Default Gateway (IPv6)	2001:1200:1100:1000::1
LLDP	<input checked="" type="checkbox"/>

#### Ethernet-2 IP Configuration

Network Mode	IPv4/IPv6 Dual
Boot Mode	DHCP
Boot Mode (IPv6)	Autocfg
IPv4 Address	192.168.0.1
Network Mask	255.255.255.0
Default Gateway	192.168.0.1
IPv6 Address	2001:1200:1100:1000::99
Subnet Prefix Length	64
Default Gateway (IPv6)	2001:1200:1100:1000::2
LLDP	<input checked="" type="checkbox"/>

#### Web/ RESTapi Access Configuration

Web Access	Https
Http Port	80
Https Port	443
Redirection	<input type="checkbox"/>
REST API Access	Disable

#### Certificate Key/Link Speed Configuration

SSL Certificate Key Length	2048 Bits
Ethernet Link Speed	Auto Negotiation

#### SSH/FTPs Configuration

SSH Enable	<input checked="" type="checkbox"/>
SSH Port	22
FTPs Access	<input checked="" type="checkbox"/>
FTPs Port	21
Telnet Access	<input type="checkbox"/>
Telnet Port	23

#### Domain Name System

Manually Override Server	<input type="checkbox"/>
Primary DNS Server	0.0.0.0
Secondary DNS Server	0.0.0.0

**PDU Configuration Tool v3.0.8**

### Network Settings

#### Ethernet-1 IP Configuration

Network Mode	IPv4/IPv6 Dual
Boot Mode	DHCP
Boot Mode (IPv6)	STATIC
IPv4 Address	192.168.0.1
Network Mask	255.255.255.0
Default Gateway	192.168.0.1
IPv6 Address	2001:1200:1100:1000::98
Subnet Prefix Length	64
Default Gateway (IPv6)	2001:1200:1100:1000::1
LLDP	<input type="checkbox"/>

#### Ethernet-2 IP Configuration

Network Mode	IPv4/IPv6 Dual
Boot Mode	Static
Boot Mode (IPv6)	Autocfg
IPv4 Address	192.168.0.1
Network Mask	255.255.255.0
Default Gateway	192.168.0.1
IPv6 Address	2001:1200:1100:1000::99
Subnet Prefix Length	64
Default Gateway (IPv6)	2001:1200:1100:1000::2
LLDP	<input checked="" type="checkbox"/>

#### Web/ RESTapi Access Configuration

Web Access	Http & Https
Http Port	Http & Https
Https Port	Http
Redirection	Https
REST API Access	Disable

#### Certificate Key/Link Speed Configuration

SSL Certificate Key Length	2048 Bits
Ethernet Link Speed	Auto Negotiation

#### SSH/FTPs Configuration

SSH Enable	<input checked="" type="checkbox"/>
SSH Port	22
FTPs Access	<input checked="" type="checkbox"/>
FTPs Port	21
Telnet Access	<input type="checkbox"/>
Telnet Port	23

#### Domain Name System

Manually Override Server	<input type="checkbox"/>
Primary DNS Server	0.0.0.0
Secondary DNS Server	0.0.0.0

5. Enter the Web/RESTapi Access Configuration settings.
6. Enter SSH/FTPS/TELNET Configurations, Certificate Key/Link Speed Configuration and Domain Name System settings.

The screenshot shows the 'Network Settings' window of the 'PDU Configuration Tool'. The interface is divided into several sections for configuring network and access parameters.

**Ethernet-1 IP Configuration**

Network Mode	IPv4/IPv6 Dual
Boot Mode	DHCP
Boot Mode (IPv6)	STATIC
IPv4 Address	192.168.0.1
Network Mask	255.255.255.0
Default Gateway	192.168.0.1
IPv6 Address	2001:1200:1100:1000::98
Subnet Prefix Length	64
Default Gateway (IPv6)	2001:1200:1100:1000::1
LLDP	<input type="checkbox"/>

**Ethernet-2 IP Configuration**

Network Mode	IPv4/IPv6 Dual
Boot Mode	Static
Boot Mode (IPv6)	Autoconfig
IPv4 Address	192.168.0.1
Network Mask	255.255.255.0
Default Gateway	192.168.0.1
IPv6 Address	2001:1200:1100:1000::99
Subnet Prefix Length	64
Default Gateway (IPv6)	2001:1200:1100:1000::2
LLDP	<input checked="" type="checkbox"/>

**Web/ RESTapi Access Configuration**

Web Access	Http & Https
Http Port	80
Https Port	443
Redirection	<input type="checkbox"/>
REST API Access	Disable

**Certificate Key/Link Speed Configuration**

SSL Certificate Key Length	2048 Bits
Ethernet Link Speed	Auto Negotiation

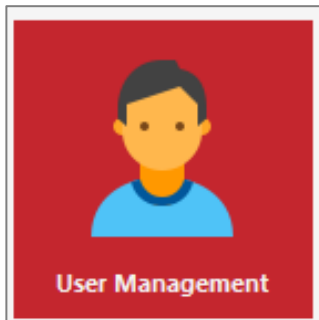
**SSH/FTPs Configuration**


SSH Enable	<input checked="" type="checkbox"/>
SSH Port	22
FTPs Access	<input checked="" type="checkbox"/>
FTPs Port	21
Telnet Access	<input checked="" type="checkbox"/>
Telnet Port	23

**Domain Name System**

Manually Override Server	<input type="checkbox"/>
Primary DNS Server	0.0.0.0
Secondary DNS Server	0.0.0.0

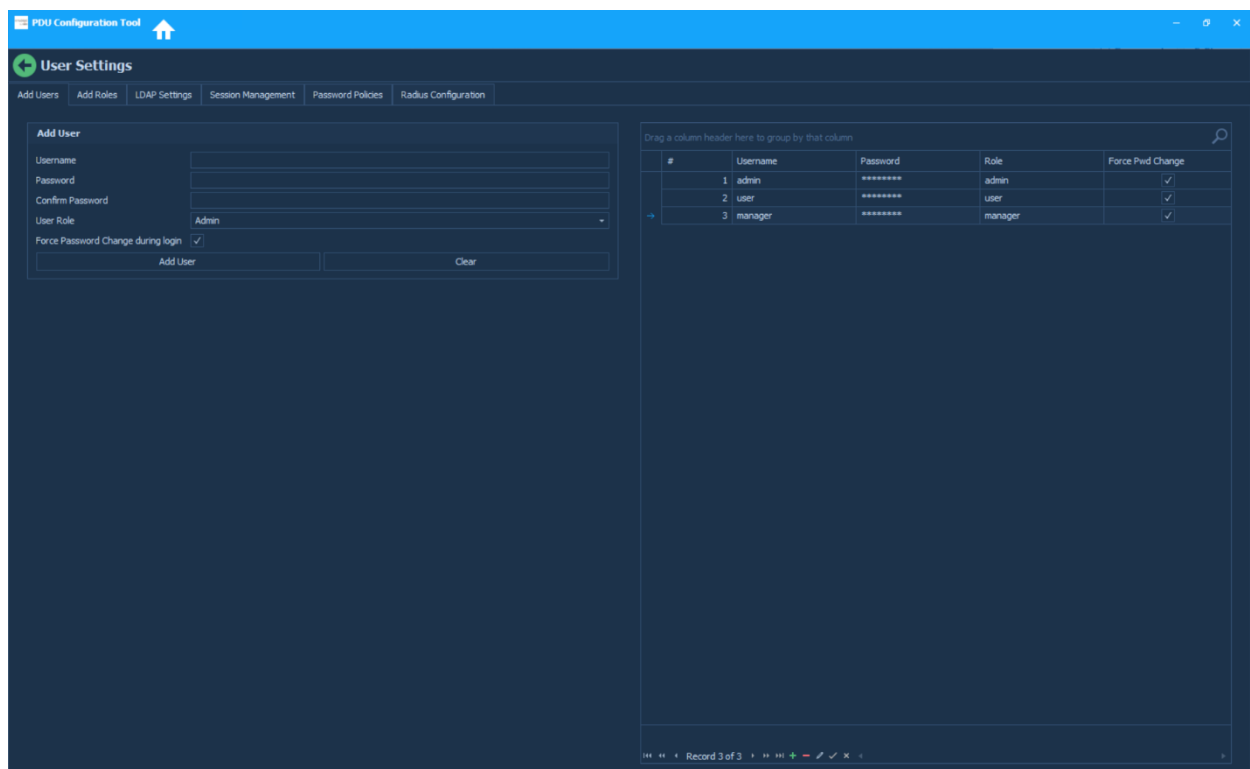
## 18. User Management



1. Click on the **User Management** icon to enable the User, Roles, LDAP settings, Session Management, Password Policies and Radius server configurations on this page. Select each of the tabs and enable the settings.
2. Click on the button  to save changes.

### User

1. Access the first tab, **Add User** and add new users with roles admin, manager, and user.
2. The user is expected to enable/disable **Force Password change** at the time of Web UI login.
3. If **Force Password Change** is Enabled for a user, the PDU will prompt for password change after the configuration file is uploaded for that user.
4. If **Force Password Change** is Disabled, PDU will just login with the current user and will not request password change.



#	Username	Password	Role	Force Pwd Change
1	admin	*****	admin	✓
2	user	*****	user	✓
3	manager	*****	manager	✓

## Role

5. Access the second tab, **Add Role**, and add/modify roles for different users.

The screenshot shows the 'User Settings' window with the 'Add Roles' tab selected. On the left, there is a form to add a new role with fields for 'Role Name', 'Description', and 'Privileges' (set to 'User'). Below these fields are 'Add Role' and 'Clear' buttons. On the right, a table lists existing roles. The table has columns for '#', 'Role', and 'Description'. It contains three entries: an admin role, a user role, and a manager role. A status bar at the bottom indicates 'Record 3 of 3'.

#	Role	Description
1	admin	admin operation
2	user	user operation
3	manager	Redfish Manager

## LDAP/LDAPS Settings

6. Access the third tab, enable the **LDAP** server details.

The screenshot shows the 'User Settings' window with the 'LDAP Settings' tab selected. The 'Settings' section on the left contains several configuration options. The 'Enable' checkbox is checked. The 'LDAP Server' field is empty. The 'Port' is set to 389. The 'Type' is set to 'OpenLDAP'. The 'LDAP Type' dropdown is set to 'none'. The 'Base DN' field is also set to 'none'. Other fields like 'Bind Password', 'Search User DN', 'Login Name Attribute', and 'User Entry Object Class' are present but empty.

## Session Management

7. Access the fourth tab, enable the **Sessions** settings.

The screenshot shows the 'User Settings' window with the 'Session Management' tab selected. The 'Settings' section contains the following fields:

Setting	Value
Sign In Retries Allowed	<input checked="" type="checkbox"/>
Number Of Retries Allowed	3
Session Timeout Value (Min)	10
Lockout Time (Min)	3

## Password Policies

8. Access the fifth tab, update the **Password** policies, and enable the required rules.

The screenshot shows the 'User Settings' window with the 'Password Policies' tab selected. The 'Settings' section contains the following fields:

Setting	Value
Password Aging Interval	60d
Minimum Password Length	8
Maximum Password Length	32
Enforce at least one lower case character	<input type="checkbox"/>
Enforce at least one upper case character	<input type="checkbox"/>
Enforce at least one numeric character	<input checked="" type="checkbox"/>
Enforce at least one special character	<input type="checkbox"/>

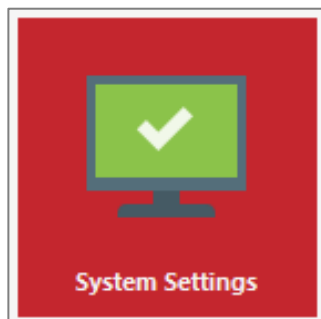
## Radius Configuration


9. Access the sixth tab, update the **Radius** configurations, and enable the settings.

The screenshot shows the 'User Settings' window with the 'Radius Configuration' tab selected. The 'Radius 1 Settings' and 'Radius 2 Settings' sections are visible. Each section contains the following fields:

Setting	Value
Enable	<input type="checkbox"/>
Server	
Port	1812
Secret	

## 19. System Settings




1. Click on the **System Settings** icon to enable the System Information, Power Panel Core Location and Rack location configurations on this page.
2. Enter details under each table to enable the system settings.
3. Click on the button  to save changes.

The image shows a screenshot of the "PDU Configuration Tool" window. The title bar is blue and contains the text "PDU Configuration Tool" and a home icon. The main content area has a dark blue background and is titled "System Management" with a green circular icon. It is divided into three sections: "System Information", "Power Panel Core Location", and "Rack Location".  
**System Information**  
System Name: [text input]  
Contact Name: [text input]  
Contact Email: [text input]  
Contact Phone: [text input]  
Contact Location: [text input]  
LED Edge Color: [Blue] (dropdown menu)  
OLED Rotate: [0°] (dropdown menu)  
**Power Panel Core Location**  
Power Panel Name: [text input]  
Core Location: [Front] (dropdown menu)  
Core U Position: [0] (spin box)  
**Rack Location**  
Room Name: [text input]  
Row Name: [text input]  
Row Position: [text input]  
Rack Name: [text input]  
Rack ID: [0] (spin box)  
Rack Height: [0] (spin box)

## 20. Rack Access Control



1. Click on the **Rack Access Control** icon to add multiple Cards and details of each one of them on this page.
2. Multiple Cards can be managed using the add/delete/edit options.
3. Click on the button  to save changes.

PDU Configuration Tool v3.0.3

### Rack Access Control

**Add Card Information**

Card ID

Card User

Card Aisle


Drag a column header here to group by that column

#	Card ID	Card User	Card Aisle	Created On
→				

Record 2 of 2

## 21. Smart Rack Access



1. Click on the **Smart Rack Access** icon to add Cards, Rack Access, Handle, Keypad, Beacon and LED settings and configurations on this page.
2. Select each of the tabs and enable the settings.
3. Click on the button  to save changes

### Cards

1. Access the first tab, **Add Cards** and add card details. Multiple cards can be added using this page.

**PDU Configuration Tool**

**Smart Rack Access**

Add Cards | Rack Access Settings | Handle Settings | Keypad Settings | Beacon Settings | LED Settings

**Add Card**

Card ID: 128623  
Card PIN: 6239  
Username: Admin  
Temporary User: ☒  
Start Time: 2023/11/27 12:00:00  
Expire Time:

November 2023

SU	MO	TU	WE	TH	FR	SA
29	30	31	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	1	2
3	4	5	6	7	8	9

OK Today Clear Cancel 12:00:00 AM

Card ID	Card PIN	Username	Start Time	Expire Time
---------	----------	----------	------------	-------------

Record 0 of 0



## Rack Access Settings

2. Access the second tab, **Add Rack Access** and add the settings.

The screenshot shows the 'PDU Configuration Tool' window with the 'Smart Rack Access' sub-window. The 'Add Rack Access' tab is selected, displaying a 'Settings' section with the following fields:

Settings	
Aisle Control	Hot/Cold Combined
Autolock Time(Sec)	0
Door Open Time(Sec)	0
Max. Door Open Time(Sec)	0

## Rack Access Settings

3. Access the third tab, **Handle Settings** and add the settings.

The screenshot shows the 'PDU Configuration Tool' window with the 'Smart Rack Access' sub-window. The 'Handle Settings' tab is selected, displaying a 'Settings' section with the following fields:

Settings	
Aisle Control	Hot/Cold Standalone
Autolock Time(Sec)	10
Door Open Time(Sec)	10
Max. Door Open Time(Sec)	100

## Keypad Settings

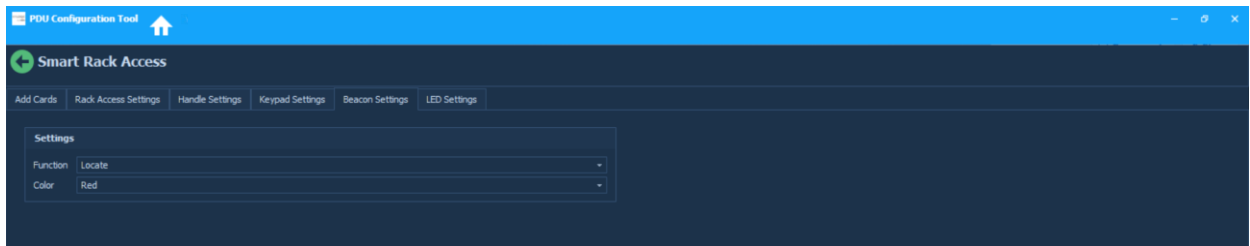
4. Access the fourth tab, **Keypad Settings** and enable the settings.

The screenshot shows the 'PDU Configuration Tool' window with the 'Smart Rack Access' sub-window. The 'Keypad Settings' tab is selected, displaying a 'Settings' section with the following fields:

Settings	
Pin Visibility	<input checked="" type="checkbox"/>
Pin Length	0

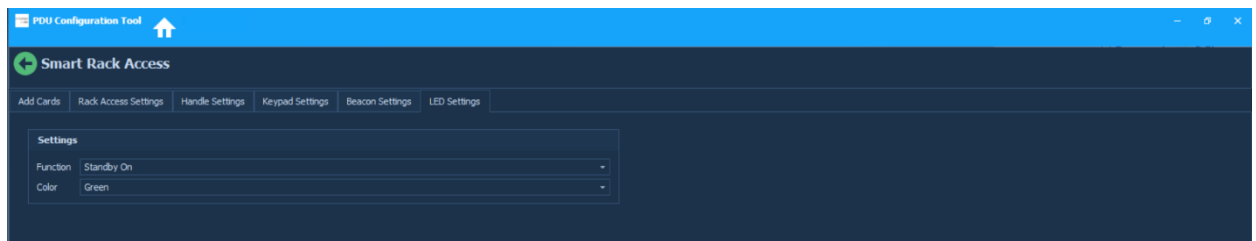
## Beacon Settings

5. Access the fourth tab, **Beacon Settings** and enable the settings.




## LED Settings

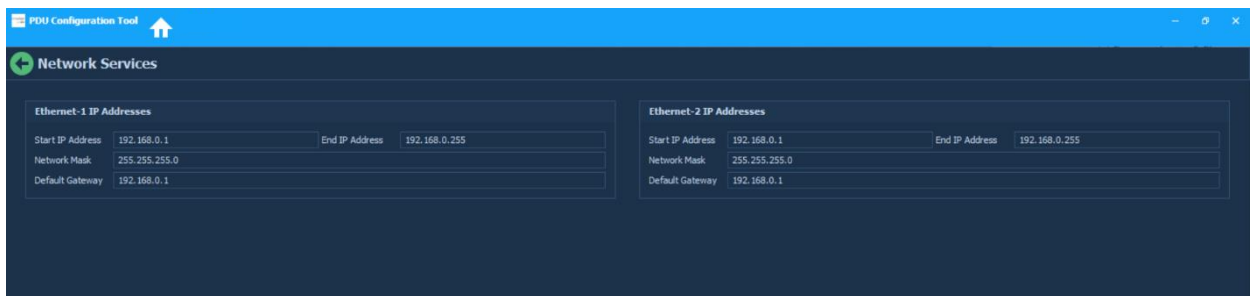
6. Access the fifth tab, **LED Settings** and enable the settings.



## 22. Network Services



1. Click on the **Network Services** icon to enter the start IPv4 and end IPv4 for Ethernet-1 and Ethernet-2 IP addresses with the accurate Network mask and Default gateway configurations on this page.
2. Click on the button  to save changes



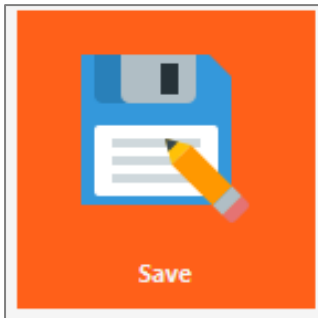
Ethernet-1 IP Addresses			
Start IP Address	192.168.0.1	End IP Address	192.168.0.255
Network Mask	255.255.255.0		
Default Gateway	192.168.0.1		


Ethernet-2 IP Addresses			
Start IP Address	192.168.0.1	End IP Address	192.168.0.255
Network Mask	255.255.255.0		
Default Gateway	192.168.0.1		

To upload the conf.ini file on multiple PDUs with ipeth1.cfg and ipeth2.cfg follow the below steps:

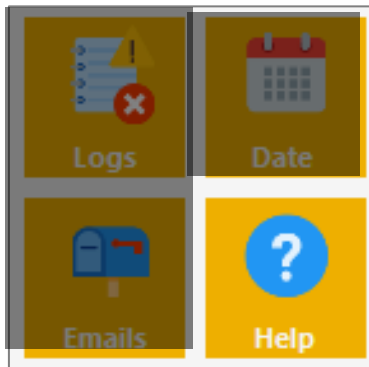
1. In Network Settings, enter the Eth1 and Eth2 IPv4 addresses with accurate Network mask and Default gateway and set it to **Static** mode.
2. In **Network Services** page, enter the start IP and end IP for Ethernet-1 and Ethernet-2 IP addresses with the accurate Network mask and Default gateway.
3. Save the conf.ini file.
4. Four files will be saved:
  - conf.ini
  - deconf.ini (this file can be ignored)
  - ipeth0.cfg
  - ipeth1.cfg
5. Copy the three files - conf.ini, ipeth0.cfg and ipeth1.cfg into the USB and **upload the conf file through OLED menu -> Setup -> USB -> UPLOAD CONFIG.**
6. After upload, the eth0 and eth1 IP will be assigned to the start IPs of eth1 and eth2
7. Now, upload to different PDU and the IP of Eth1 and Eth2 should be incremented.

## 23. Save

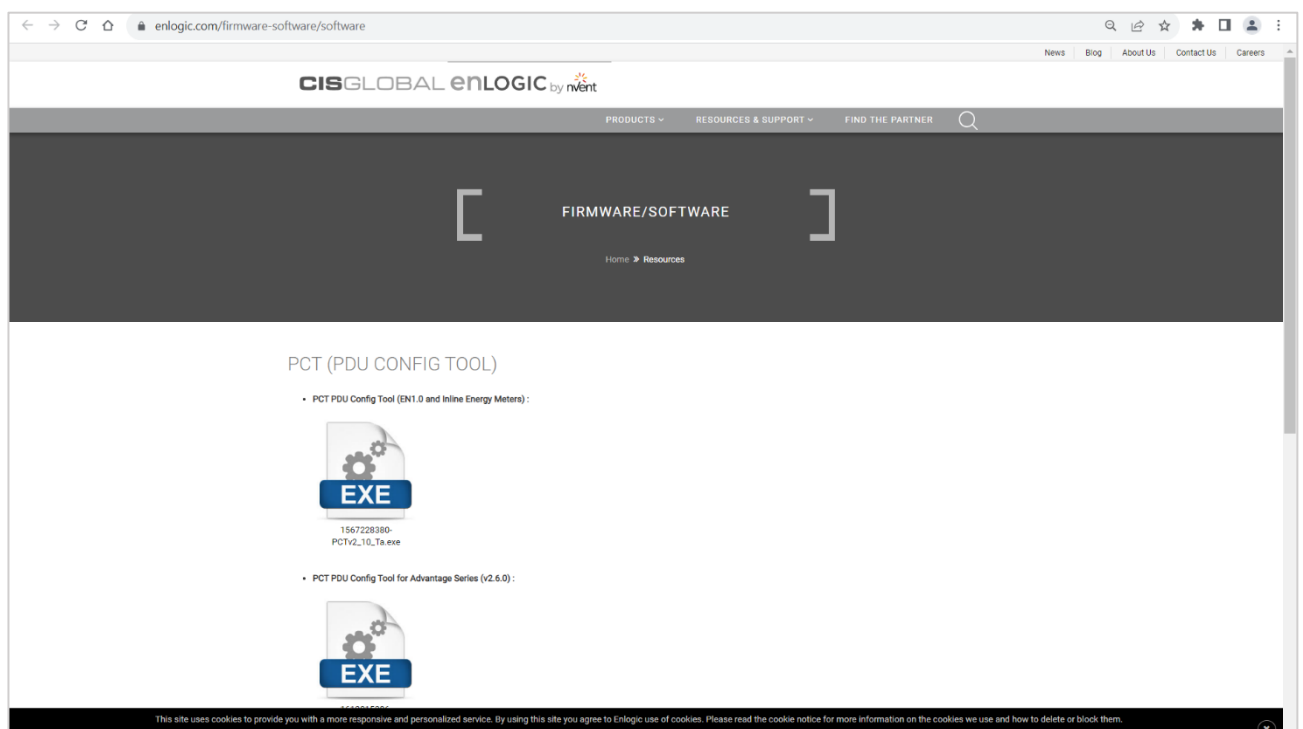


1. Click on the **Save** icon to save all the settings and changes made and create a config.ini file.
2. Select the location to save the SKU settings and click **OK** to save.
3. To save changes for each step, the user clicks on the  button.
4. If the user clicks on the Home button to navigate to other pages, there is no auto-save option for automatically saving the settings/changes.

## 24. Help



1. Click on the **Help** icon to navigate to the Enlogic website page.



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