MAC Address-based Management

Plug-in Storage Systems Inc

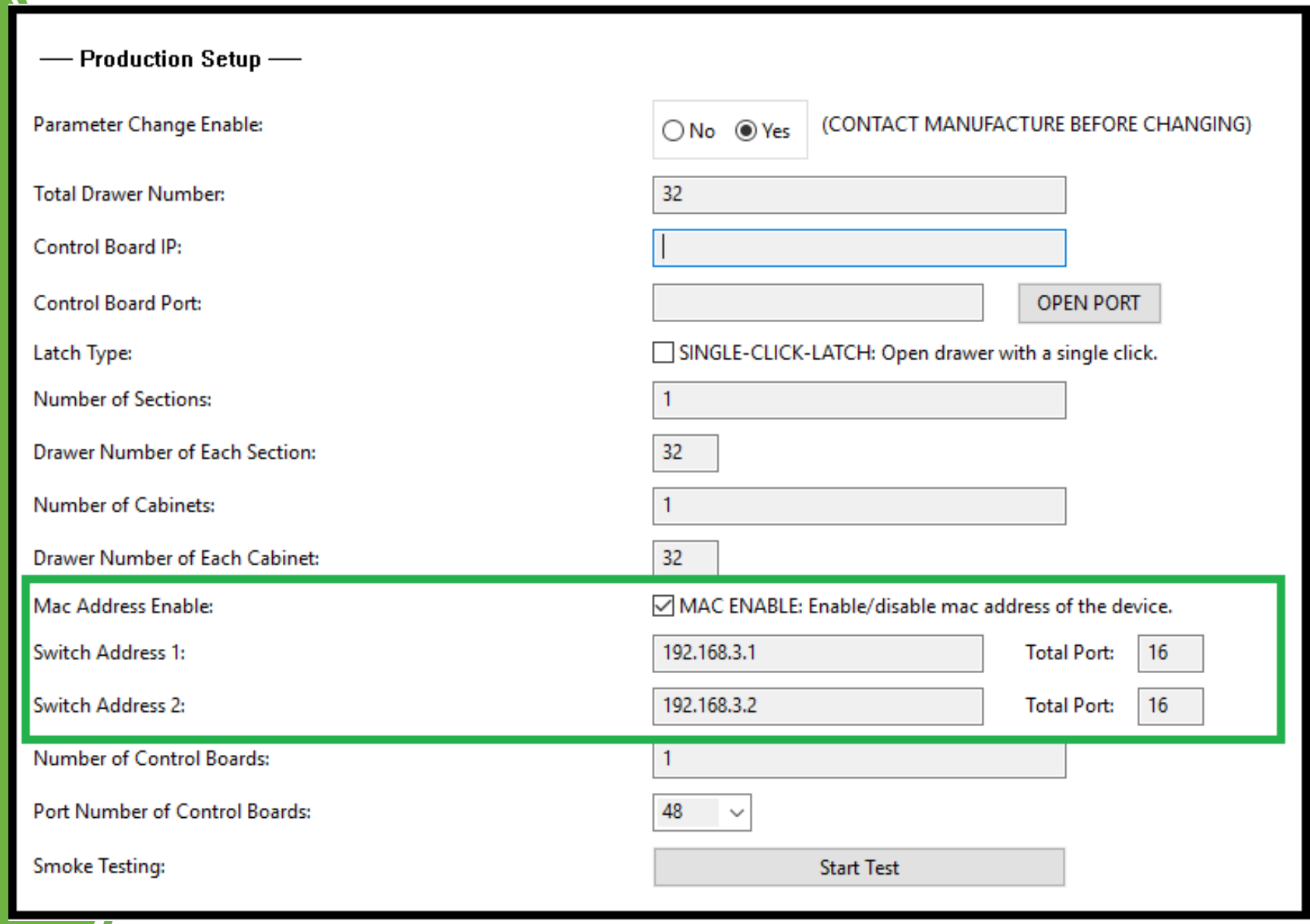
Principle

- MAC address of network adaptor as the ID of device
- Continuous scan MAC address and write to database
- Use MAC address
  - To determine check-out/check-in
  - To determine location of drawer

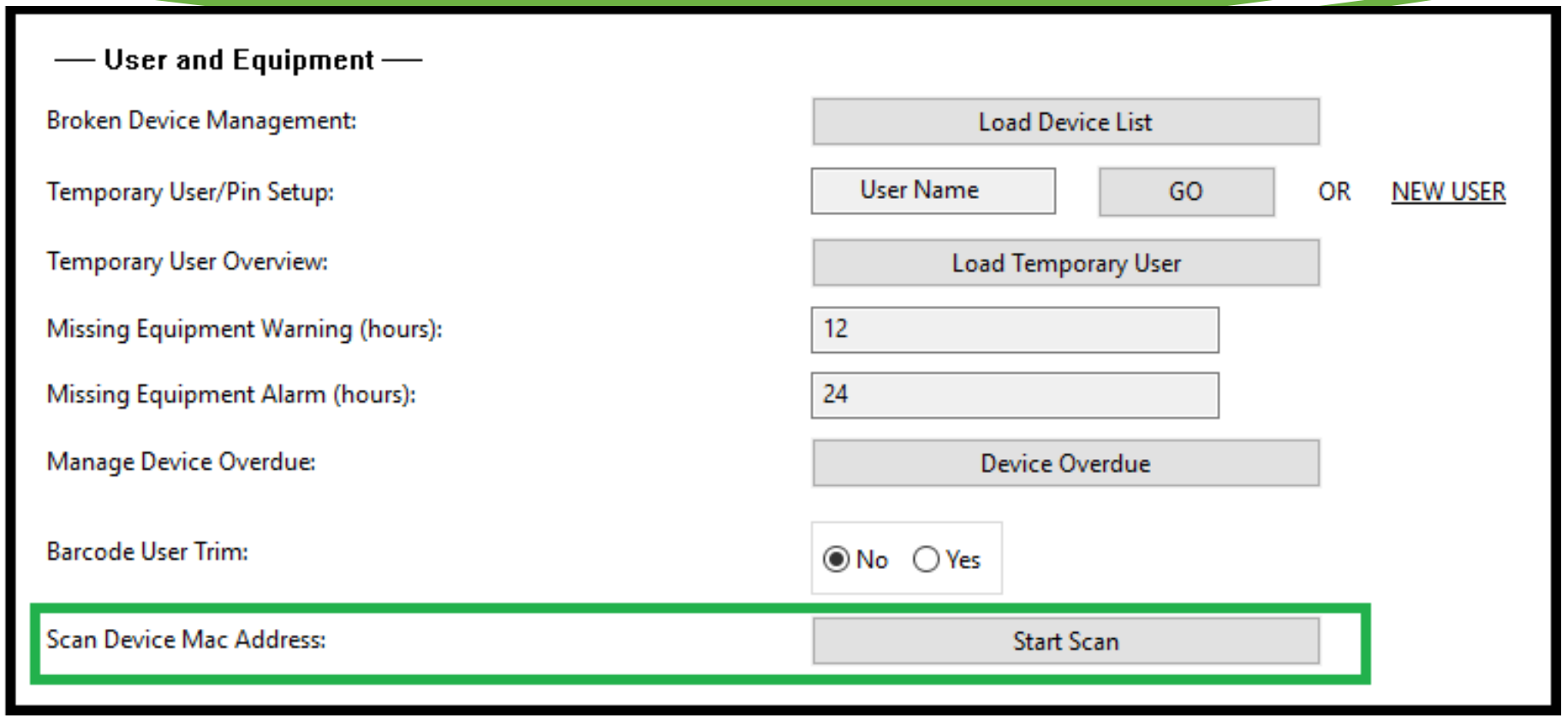
Hardware

- Switch (or other network equipment)
- Ethernet cable to connection the switch with the device

Configuration



Initialization

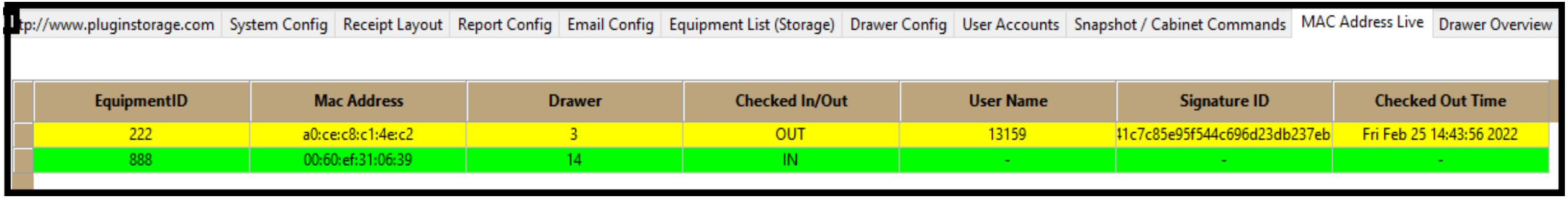


Equipment List

tp://www.pluginstorage.com | System Config | Receipt Layout | Report Config | Email Config | Equipment List (Storage) | Drawer Config | User Accounts | Snap

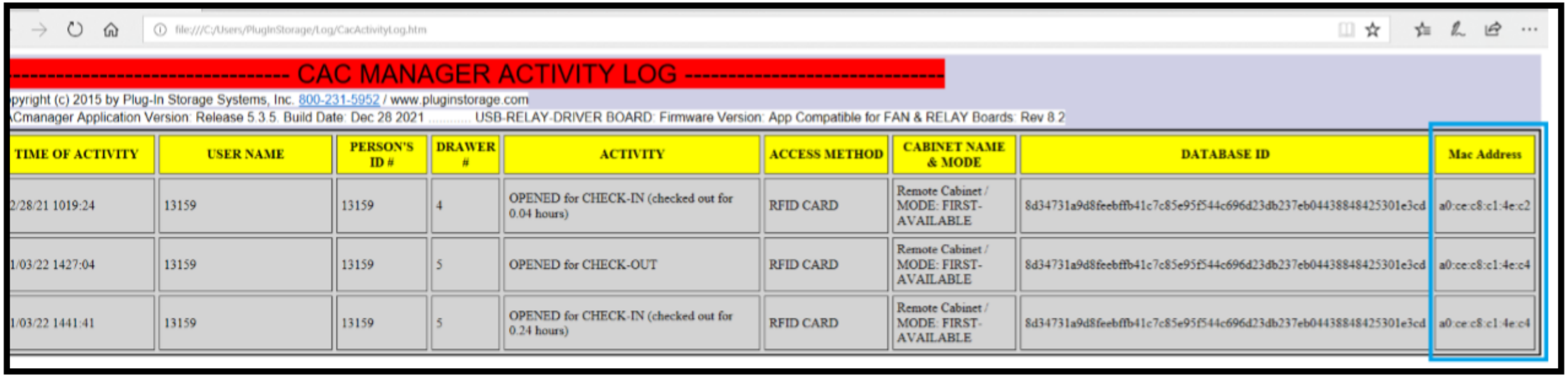
	DELETE	Blocked	EQUIPMENT IDENTIFYING #	DESCRIPTION of ITEM	U/I	QUANTITY	MISC.	Mac Address	
1	☐	☐	222	DELL Latitude Laptop E6410	BX - Box	1	NA	a0:ce:c8:c1:4e:c2	
2	☐	☐	888	DELL Latitude Laptop E6410	BX - Box	1	NA	00:60:ef:31:06:39	
3	☐	☐							

Real Time Status



EquipmentID	Mac Address	Drawer	Checked In/Out	User Name	Signature ID	Checked Out Time
222	a0:ce:c8:c1:4e:c2	3	OUT	13159	41c7c85e95f544c696d23db237eb	Fri Feb 25 14:43:56 2022
888	00:60:ef:31:06:39	14	IN	-	-	-

Log File



file:///C:/Users/PlugInStorage/Log/CacActivityLog.htm

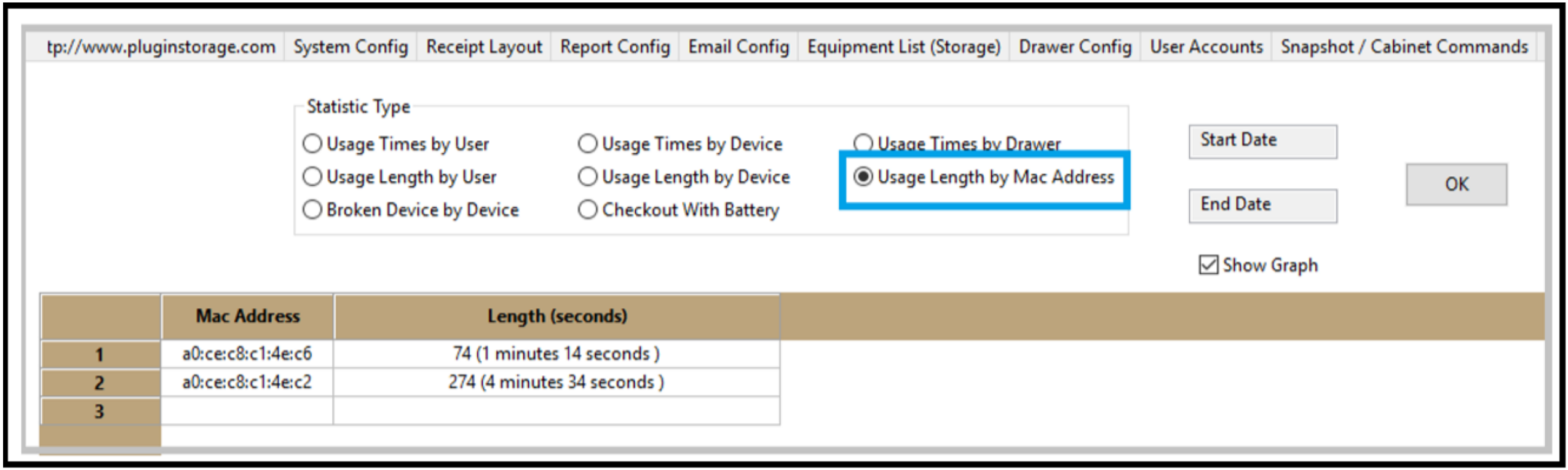
---------- CAC MANAGER ACTIVITY LOG ----------

pyright (c) 2015 by Plug-In Storage Systems, Inc. 800-231-5952 / www.pluginstorage.com

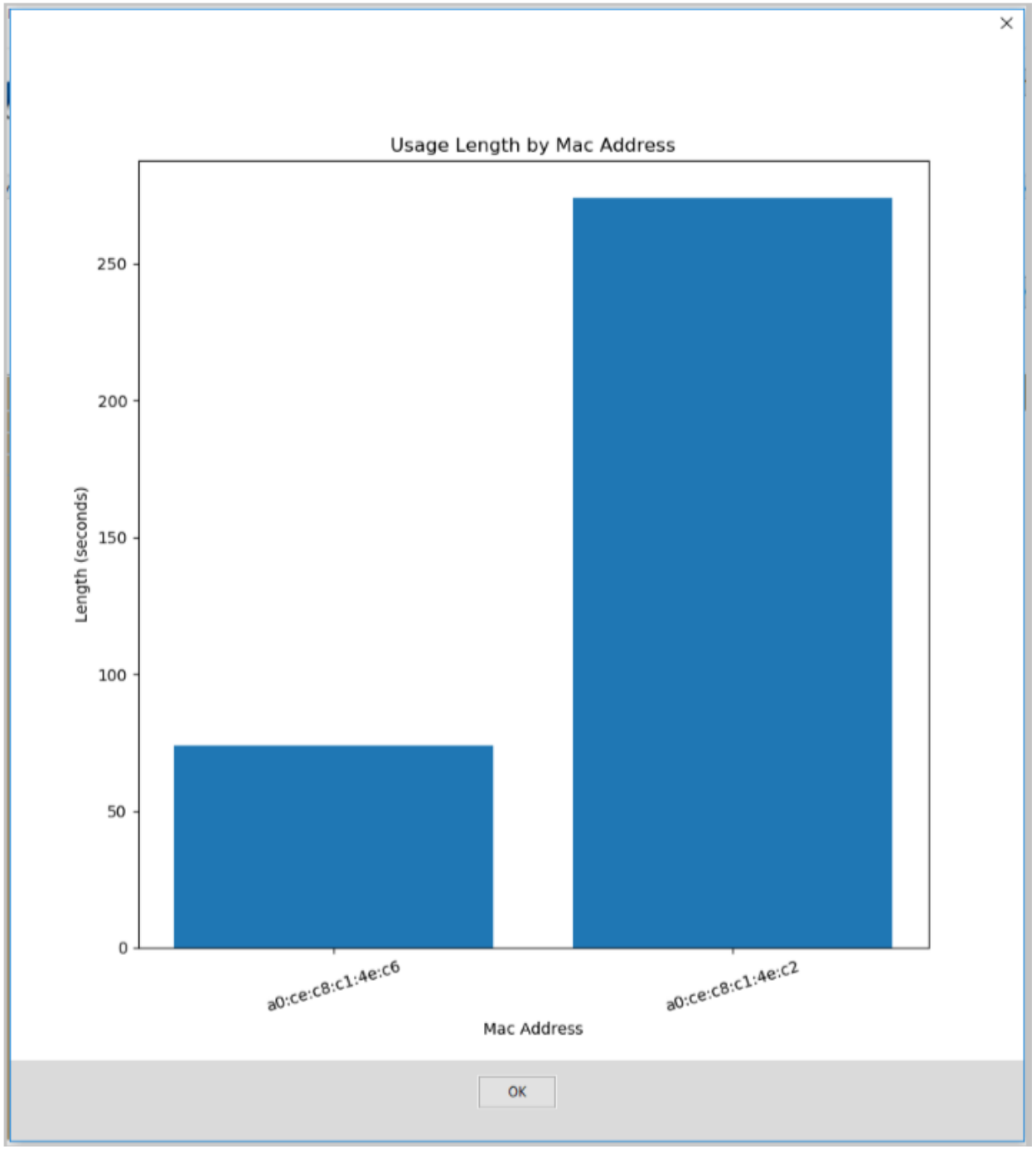
CAC manager Application Version: Release 5.3.5. Build Date: Dec 28 2021 ..... USB-RELAY-DRIVER BOARD: Firmware Version: App Compatible for FAN & RELAY Boards: Rev 8.2

TIME OF ACTIVITY	USER NAME	PERSON'S ID #	DRAWER #	ACTIVITY	ACCESS METHOD	CABINET NAME & MODE	DATABASE ID	Mac Address
2/28/21 1019:24	13159	13159	4	OPENED for CHECK-IN (checked out for 0.04 hours)	RFID CARD	Remote Cabinet / MODE: FIRST-AVAILABLE	8d34731a9d8feebffb41c7c85e95f544c696d23db237eb04438848425301e3cd	a0:ce:c8:c1:4e:c2
1/03/22 1427:04	13159	13159	5	OPENED for CHECK-OUT	RFID CARD	Remote Cabinet / MODE: FIRST-AVAILABLE	8d34731a9d8feebffb41c7c85e95f544c696d23db237eb04438848425301e3cd	a0:ce:c8:c1:4e:c4
1/03/22 1441:41	13159	13159	5	OPENED for CHECK-IN (checked out for 0.24 hours)	RFID CARD	Remote Cabinet / MODE: FIRST-AVAILABLE	8d34731a9d8feebffb41c7c85e95f544c696d23db237eb04438848425301e3cd	a0:ce:c8:c1:4e:c4

Statistics


tp://www.pluginstorage.com
System Config
Receipt Layout
Report Config
Email Config
Equipment List (Storage)
Drawer Config
User Accounts
Snapshot / Cabinet Commands
Statistic Type
Usage Times by User
Usage Times by Device
Usage Times by Drawer
Usage Length by User
Usage Length by Device
Usage Length by Mac Address
Broken Device by Device
Checkout With Battery
Start Date
End Date
OK
Show Graph
Mac Address
Length (seconds)
1
a0:ce:c8:c1:4e:c6
74 (1 minutes 14 seconds)
2
a0:ce:c8:c1:4e:c2
274 (4 minutes 34 seconds)
3

Statistics


Usage Length by Mac Address
Length (seconds)
0
50
100
150
200
250
a0:ce:c8:c1:4e:c6
a0:ce:c8:c1:4e:c2
Mac Address
OK

THANK YOU FOR WATCHING!