

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

— Production Setup —

Parameter Change Enable:

No Yes

(CONTACT MANUFACTURE BEFORE CHANGING)

Total Drawer Number:

32

Control Board IP:

|

Control Board Port:

|

OPEN PORT

Latch Type:

SINGLE-CLICK-LATCH: Open drawer with a single click.

Number of Sections:

1

Drawer Number of Each Section:

32

Number of Cabinets:

1

Drawer Number of Each Cabinet:

32

Mac Address Enable:

MAC ENABLE: Enable/disable mac address of the device.

Switch Address 1:

192.168.3.1

Total Port:

16

Switch Address 2:

192.168.3.2

Total Port:

16

Number of Control Boards:

1

Port Number of Control Boards:

48



Smoke Testing:

Start Test

Initialization

— User and Equipment —

Broken Device Management:

Load Device List

Temporary User/Pin Setup:

User Name

GO

OR

[NEW USER](#)

Temporary User Overview:

Load Temporary User

Missing Equipment Warning (hours):

12

Missing Equipment Alarm (hours):

24

Manage Device Overdue:

Device Overdue

Barcode User Trim:

No Yes

Scan Device Mac Address:

Start Scan

Equipment List

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

Real Time Status

<http://www.pluginstorage.com> System Config Receipt Layout Report Config Email Config Equipment List (Storage) Drawer Config User Accounts Snapshot / Cabinet Commands MAC Address Live Drawer Overview

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 -----

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CacManager 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	8d34731a9d8feebfb41c7c85e95f544c696d23db237eb04438848425301e3cd	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	8d34731a9d8feebfb41c7c85e95f544c696d23db237eb04438848425301e3cd	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	8d34731a9d8feebfb41c7c85e95f544c696d23db237eb04438848425301e3cd	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 Length by User
- Broken Device by Device
- Usage Times by Device
- Usage Length by Device
- Checkout With Battery
- Usage Times by Drawer
- Usage Length by Mac Address

Start Date

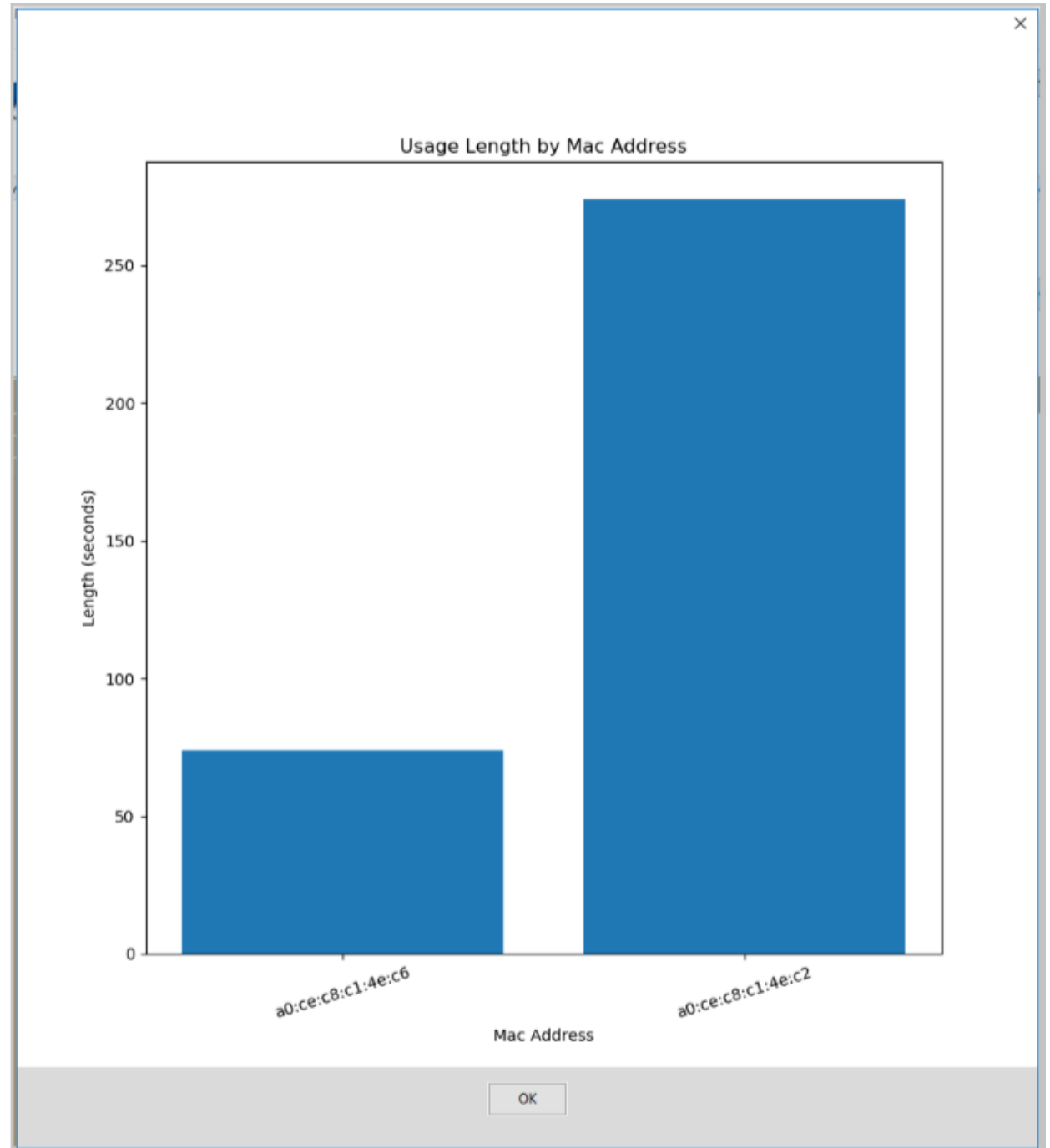
End Date

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





THANK YOU
FOR

WATCHING!