

GUIDE OF CABINET NETWORK

FOR PSSI CABINETS



PLUGIN STORAGE SYSTEMS INC | APRIL 1, 2024

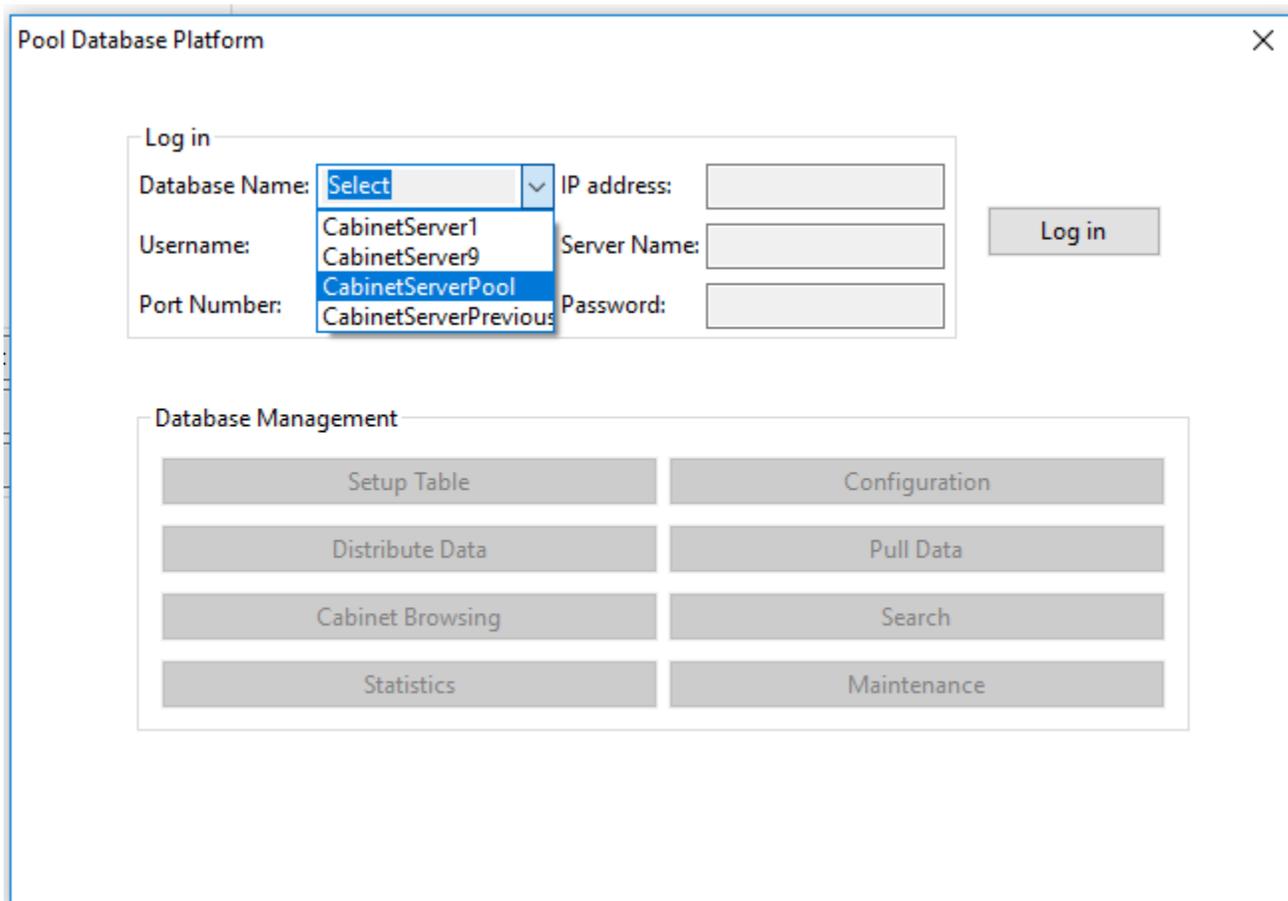
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I. POOL DATABASE MANAGEMENT

A better way to organize the cabinets in the same network is to set up a pool database. The pool database includes the tables that contain the basic cabinet information. They are the user information, device information, system configuration, report setup information, email setup information and so on. The administrator can distribute and collect the information with the individual cabinet, and the cabinet can also sync with the pool database in real time.

Click “[Load Management Platform](#)” button, and the platform window will pop up as following:



Choose the pool database from the list of Database Name, other information will be filled, type in the password, and press “[Log in](#)” button, the matrix of management button will become enabled.

Pool Database Platform ×

Log in

Database Name: IP address:

Username: Server Name:

Port Number: Password:

Database Updates

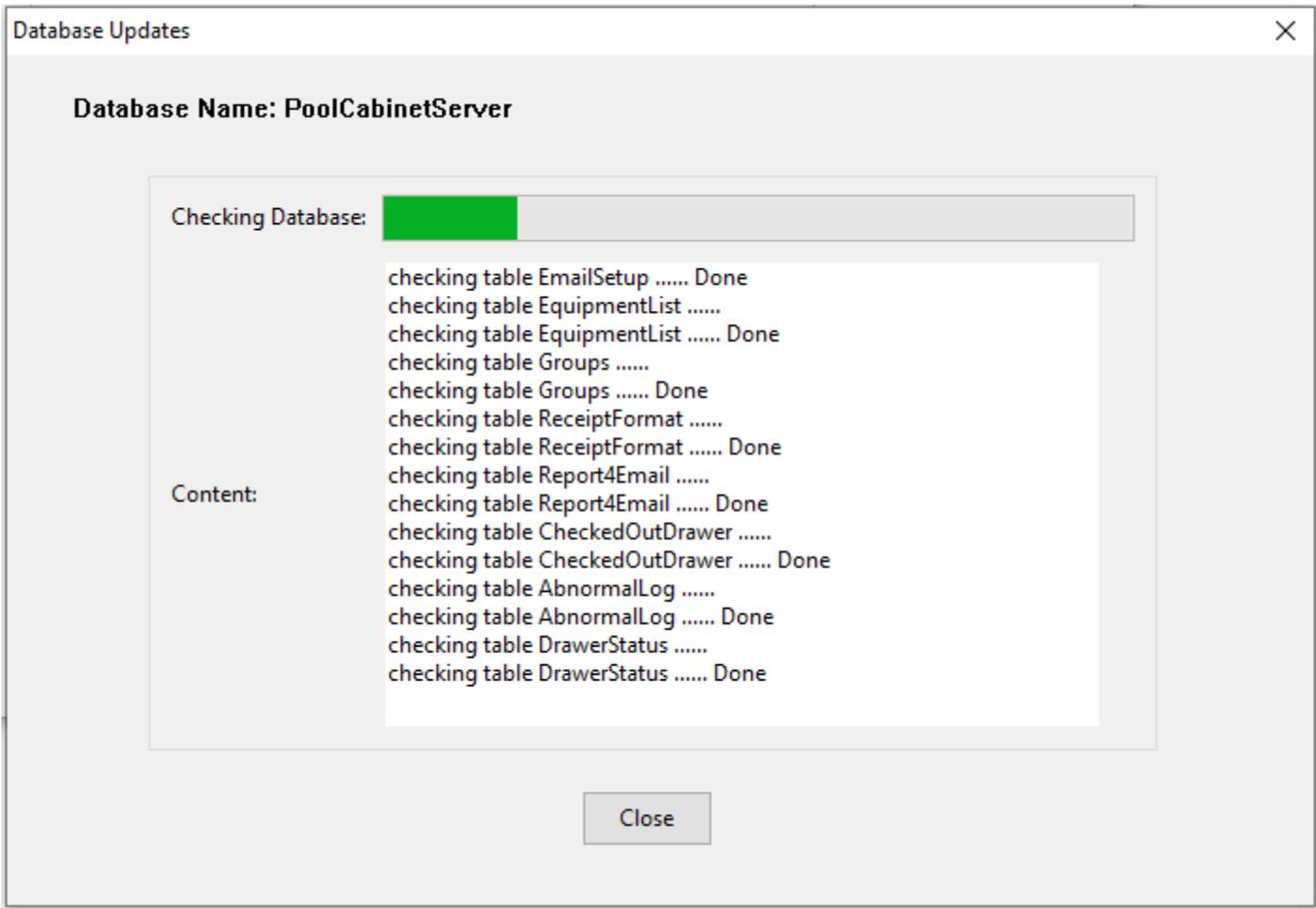
Database Management

<input type="button" value="Cabinet List"/>	<input type="button" value="Configuration"/>
<input type="button" value="Distribute Data"/>	<input type="button" value="Pull Data"/>
<input type="button" value="Cabinet Browsing"/>	<input type="button" value="Search"/>
<input type="button" value="Statistics"/>	<input type="button" value="Maintenance"/>

Once the information of the pool database is typed in and successfully logged in, it will be saved to the database (the password is encrypted before being saved). Next time when the user opens the page, the information will be filled automatically.

The pool database platform includes eight functions. Before logging in, the eight buttons are disabled; after logged in, it will become enabled, and the use can click on them to access the related functions.

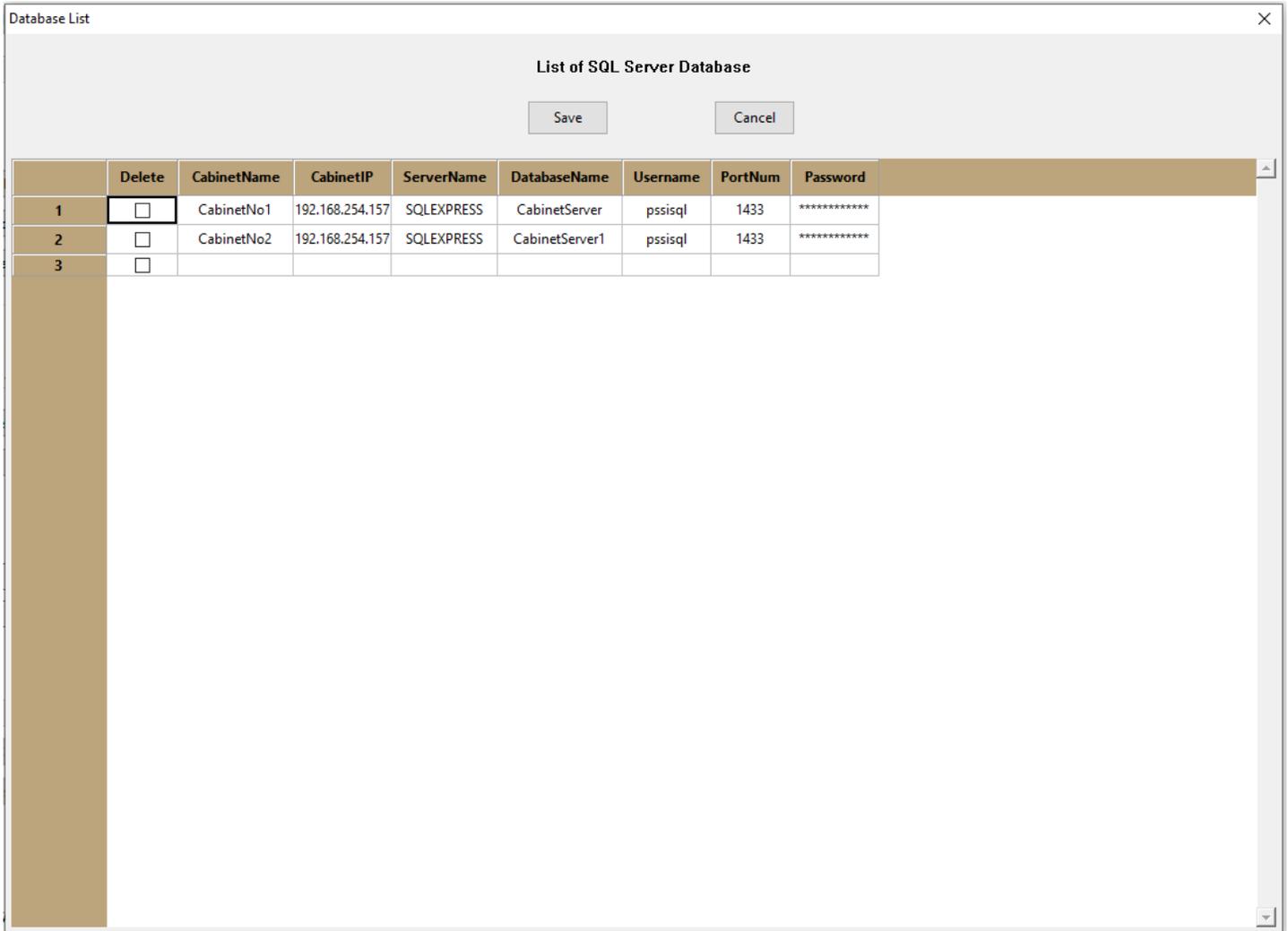
If the user selects option “Database Updates” before logging in, it will pop up a window showing the progress of updating the pool database after logging in. the following is a screenshot of the window:



The following sections are the detailed introduction for each function.

2. CABINET LIST

When clicking “Cabinet List” button, it will pop up a window listing all the cabinet information related to the pool database. The following is a screenshot:



The screenshot shows a window titled "Database List" with a close button (X) in the top right corner. Below the title bar, the text "List of SQL Server Database" is centered. There are two buttons, "Save" and "Cancel", positioned below the title. The main content area contains a table with the following columns: "Delete", "CabinetName", "CabinetIP", "ServerName", "DatabaseName", "Username", "PortNum", and "Password". The table has three rows of data. The first row has a "Delete" checkbox, "CabinetNo1", "192.168.254.157", "SQLEXPRESS", "CabinetServer", "pssisql", "1433", and "*****". The second row has a "Delete" checkbox, "CabinetNo2", "192.168.254.157", "SQLEXPRESS", "CabinetServer1", "pssisql", "1433", and "*****". The third row has a "Delete" checkbox and empty cells for the other columns. A vertical scrollbar is visible on the right side of the table.

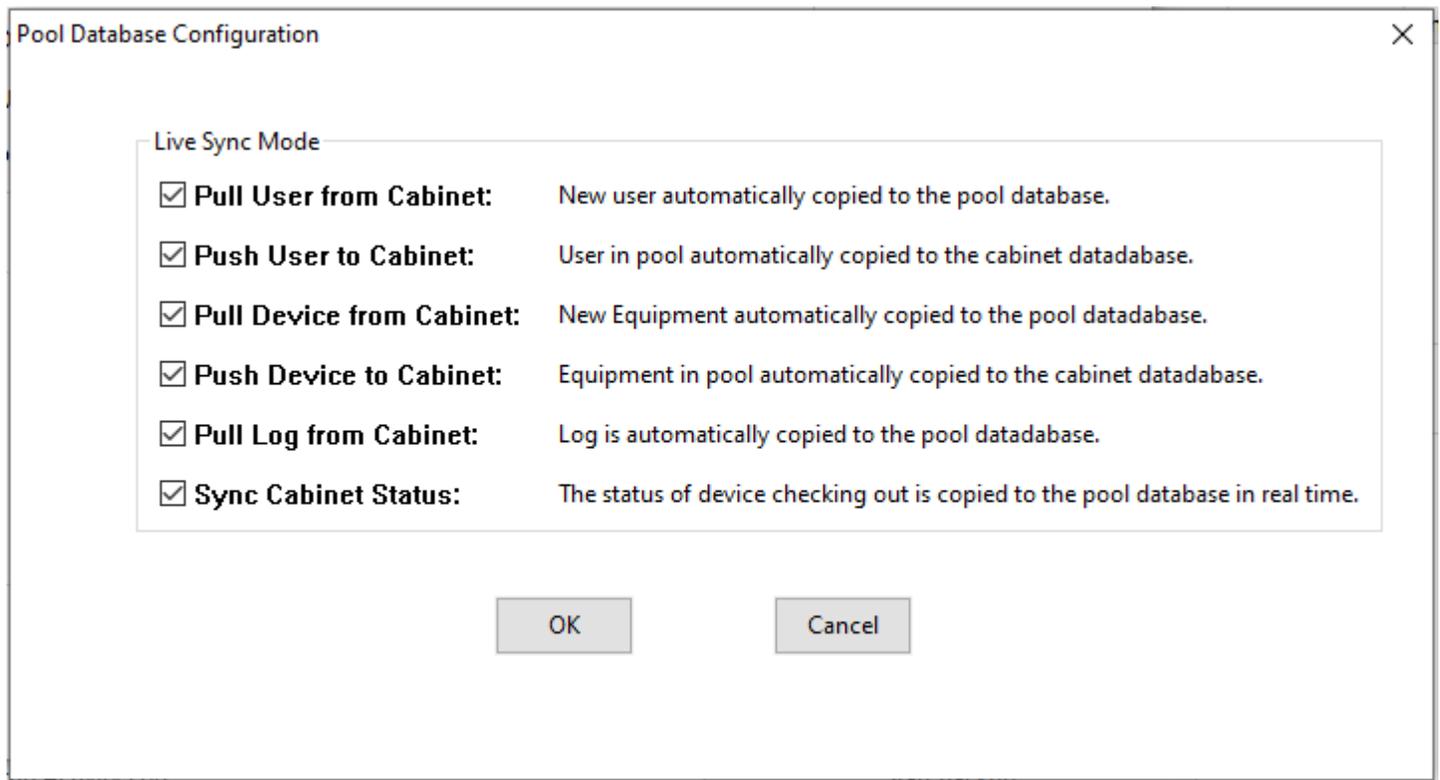
	Delete	CabinetName	CabinetIP	ServerName	DatabaseName	Username	PortNum	Password
1	<input type="checkbox"/>	CabinetNo1	192.168.254.157	SQLEXPRESS	CabinetServer	pssisql	1433	*****
2	<input type="checkbox"/>	CabinetNo2	192.168.254.157	SQLEXPRESS	CabinetServer1	pssisql	1433	*****
3	<input type="checkbox"/>							

Type in the field to change the information, the password will be encrypted before saving. Click on the last line to add a new cabinet. Press “Save” button to save the changed information. If selecting “Delete” on a line of the table before saving, the related line will be removed.

3. CONFIGURATION OF LIVE SYNC

The cabinets and the pool database can sync the data in real time. This section is the configuration of information exchange with the pool database for different items when the cabinet is in live sync state.

Press the “Configuration” button, and the following window will appear.



The choice for the sync includes Pull User from Cabinet, Push User to Cabinet, Pull Device from Cabinet, Push Device to Cabinet, Pull Log from Cabinet and Sync Cabinet Status. The detailed explanation is shown in the screenshot above.

Pull User from Cabinet: New users added from cabinet will be copied to the pool database automatically.

Push User to Cabinet: If the information of a user is not found in the local database, the CacManager program will search the pool database and copy it if it is in the pool database.

Pull Device from Cabinet: New device in the local database will be copied to the pool database. The ID of the device needs to be kept unique across all the cabinets when using this feature.

Push Device to Cabinet: The details of the device will be copied from the pool database.

Pull Log from Cabinet: The activity log in the cabinet will be saved to the pool database in real time.

Sync Cabinet Status: The status of the device checking out is copied to the pool database in real time.

Pay attention this is only the live sync setup to the current cabinet. If you want every cabinet in the network to have the same setup, all the cabinets need to have the same configuration.

4. DISTRIBUTING DATA

This section is about copying the data from the pool database to the cabinet database. After pressing the button “Distribute Data”, the following window will appear.

Pool Database Distribution

<input checked="" type="checkbox"/> User List	<input type="checkbox"/> Equipment List	Database Name:	CabinetServer	IP address:	192.168.254.157
<input type="checkbox"/> Configuration	<input type="checkbox"/> Drawer Setup	Username:	pssisql	Server Name:	SQLEXPRESS
<input type="checkbox"/> Report and Email	<input type="checkbox"/> All	Port Number:	1433	Password:	••••••••••••

OK Cancel

From the table list, choose the tables to be copied, and from the Database Name list menu, choose the target cabinet (the information will be filled automatically after the database name is selected), press the “OK” button. The content of the table will be shown in a window.

Table Display

Data Distribution from Pool to Cabinet: CacManager

Transfer --> Cancel

Content of table in pool

	Select	UserName	UserID	MatchingID	DrawerNum	Method	Rank	Phone	Squadron	OtherInfo
1	<input type="checkbox"/>	13159	13159	e95f544c696d23c	1	HID RFID	Jknowl	Unknown	Unknown	Unknown
2	<input type="checkbox"/>	em Administr	TORY-DEF	1afbb5a1404d22e	-1	Keypad PIN	Jknowl	0-231-59	Factory	pluginstorage.
3	<input type="checkbox"/>	ohnRRubidiur	798011630	5b8a3798981a32f	1	CAC Card	Jknowl	Unknown	Unknown	Unknown
4	<input type="checkbox"/>	John Doe 4	4	6763e99b117928c	1	Keypad PIN	Jknowl	Unknown	Unknown	Unknown

Content of table in cabinet

	UserName	UserID	MatchingID	DrawerNum	Method	Rank	Phone	Squadron	OtherInfo	Use
1	em Administr	TORY-DEF	1afbb5a1404d22e	-1	Keypad PIN	Jknowl	0-231-59	Factory	pluginstorage.	
2	ohnRRubidiur	798011630	5b8a3798981a32f	1	CAC Card	Jknowl	Unknown	Unknown	Unknown	
3	John Doe 4	4	6763e99b117928c	1	Keypad PIN	Jknowl	Unknown	Unknown	Unknown	
4	13159	13159	e95f544c696d23c	1	HID RFID	Jknowl	Unknown	Unknown	Unknown	

The table on the left is the in the pool database, and the table on the right is in the local database. Select the items from the column “Select”, and press the “Transfer” button, a progress bar will appear, the selected items will be copied (or updated) to the local database.

The screenshot above is for the user table, it is similar to equipment, configuration and drawer setup. For Report and Email, it includes two tables. It means when one table is transferred, the other table will popup automatically.

When selecting “All” option, all the tables will be distributed.

The following are several screenshots of transferring other tables. The usage of the transferring process is the same as the steps described above.

Table Display

Data Distribution from Pool to Cabinet: EquipmentList

Transfer --> Cancel

Content of table in pool

	Select	Blocked	EquipmentID	Description	UI	Quantity	Misc	Name	EndpointID	MacAddress
1	<input type="checkbox"/>	0	11	description 11	a	1	misc11	-	-	-
2	<input type="checkbox"/>	0	4	description	a	1	misc	-	-	-
3	<input type="checkbox"/>	0	5	description	a	1	misc	-	-	-
4	<input type="checkbox"/>	0	6	description	a	1	misc	-	-	-
5	<input type="checkbox"/>	0	7	description	a	1	misc	-	-	-
6	<input type="checkbox"/>	0	8	description	a	1	misc	-	-	-
7	<input type="checkbox"/>	0	9	description	a	1	misc	-	-	-
8	<input type="checkbox"/>	0	10	description	a	1	misc	-	-	-
9	<input type="checkbox"/>	0	1	description	a	1	misc	-	-	-
10	<input type="checkbox"/>	0	2	description	a	1	misc	-	-	-
11	<input type="checkbox"/>	0	3	description	a	1	misc	-	-	-

Content of table in cabinet

	Blocked	EquipmentID	Description	UI	Quantity	Misc	Name	EndpointID	MacAddress
1	0	1	description	a	1	misc	-	-	-
2	0	2	description	a	1	misc	-	-	-
3	0	3	description	a	1	misc	-	-	-
4	0	4	description	a	1	misc	-	-	-
5	0	5	description	a	1	misc	-	-	-
6	0	6	description	a	1	misc	-	-	-
7	0	7	description	a	1	misc	-	-	-
8	0	8	description	a	1	misc	-	-	-
9	0	9	description	a	1	misc	-	-	-
10	0	10	description	a	1	misc	-	-	-
11	0	11	description 11	a	1	misc11	-	-	-

Table Display

Data Distribution from Pool to Cabinet: CACconfig

Transfer --> Cancel

Content of table in pool

	Select	ConfigName	ConfigValue
1	<input type="checkbox"/>	CABINET_NAME	Remote Cabinet
2	<input type="checkbox"/>	MODE	MULTIPLE-ACCESS
3	<input type="checkbox"/>	DEBUG_LOGGING	OFF
4	<input type="checkbox"/>	AUTO_ADD_USER	ON
5	<input type="checkbox"/>	AUTO_CONNECT	OFF
6	<input type="checkbox"/>	ID_DETECT	OFF
7	<input type="checkbox"/>	UTO_USER_NAM	OFF
8	<input type="checkbox"/>	QUERY_CHECKIN	OFF
9	<input type="checkbox"/>	3_EQUIPMENT_TI	12
10	<input type="checkbox"/>	IG_EQUIPMENT_I	24
11	<input type="checkbox"/>	JM_CABINET_FAI	0
12	<input type="checkbox"/>	ESS_CONFIGURA	Keypad,HID,CAC
13	<input type="checkbox"/>	NumRFID_ID_bit	16
14	<input type="checkbox"/>	lumRFID_FAC_bit	0
15	<input type="checkbox"/>	Help_Contact	Contact System A
16	<input type="checkbox"/>	Help_Call	###-###-####
17	<input type="checkbox"/>	LCD_Port	COM1
18	<input type="checkbox"/>	BLOCKED_PORT	0,0,0,0,0,0,0,0,0
19	<input type="checkbox"/>	Door_Alert	120
20	<input type="checkbox"/>	LIVE_SYNC	
21	<input type="checkbox"/>	POOL_DBNAME	PoolCabinetServer
22	<input type="checkbox"/>	1_CABINET_DRAV	10
23	<input type="checkbox"/>	CONTROLIP1	192.168.1.178

Content of table in cabinet

	ConfigName	ConfigValue
1	CABINET_NAME	Remote Cabinet
2	MODE	FIRST-AVAILABLE
3	DEBUG_LOGGING	OFF
4	AUTO_ADD_USER	ON
5	AUTO_CONNECT	OFF
6	ID_DETECT	OFF
7	UTO_USER_NAM	OFF
8	QUERY_CHECKIN	OFF
9	3_EQUIPMENT_TI	12
10	IG_EQUIPMENT_I	24
11	JM_CABINET_FAI	0
12	ESS_CONFIGURA	Keypad,HID,CAC
13	NumRFID_ID_bit	16
14	lumRFID_FAC_bit	0
15	Help_Contact	Contact System A
16	Help_Call	###-###-####
17	LCD_Port	COM1
18	BLOCKED_PORT	0,0,0,0,0,0,0,0,0
19	Door_Alert	120
20	LIVE_SYNC	
21	POOL_DBNAME	PoolCabinetServer
22	1_CABINET_DRAV	10
23	CONTROLIP1	192.168.1.178

Data Distribution from Pool to Cabinet: DrawerList

Transfer -->

Cancel

Content of table in pool

Content of table in cabinet

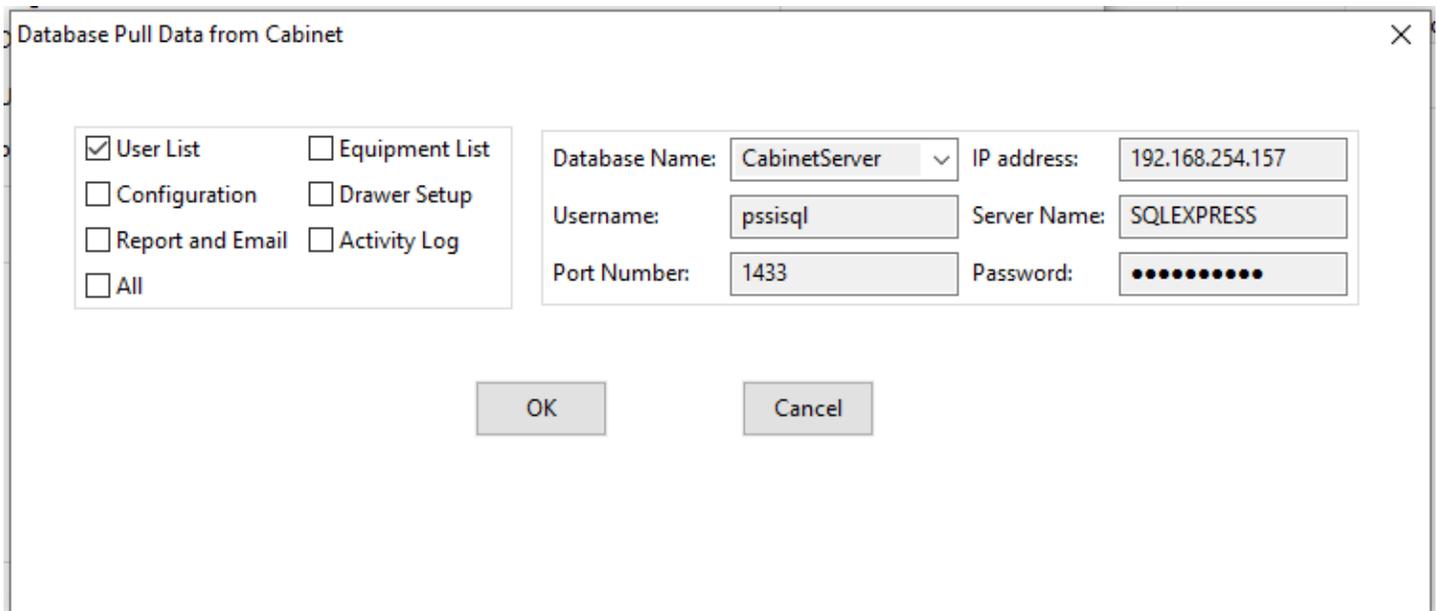
	Select	DrawerNum	Lockout	EquipmentID	EquipmentDescription	sEA	QTY	sMISC	MacAddress
1	<input type="checkbox"/>	10	1	10	description	a	1	misc	-
2	<input type="checkbox"/>	1	0	1	description	a	1	misc	-
3	<input type="checkbox"/>	3	1	3	description	a	1	misc	-
4	<input type="checkbox"/>	4	1	4	description	a	1	misc	-
5	<input type="checkbox"/>	5	1	5	description	a	1	misc	-
6	<input type="checkbox"/>	6	1	6	description	a	1	misc	-
7	<input type="checkbox"/>	7	1	7	description	a	1	misc	-
8	<input type="checkbox"/>	8	1	8	description	a	1	misc	-
9	<input type="checkbox"/>	9	1	9	description	a	1	misc	-

	DrawerNum	Lockout	EquipmentID	EquipmentDescription	sEA	QTY	sMISC	MacAddress
1	10	1	10	description	a	1	misc	-
2	1	0	1	description	a	1	misc	-
3	2	1	2	description	a	1	misc	-
4	4	1	4	description	a	1	misc	-
5	5	1	5	description	a	1	misc	-
6	6	1	6	description	a	1	misc	-
7	7	1	7	description	a	1	misc	-
8	8	1	8	description	a	1	misc	-
9	9	1	9	description	a	1	misc	-
10	3	1	3	description	a	1	misc	-
11	10	1	11	description 11	a	1	misc11	-

5. PULLING DATA

This feature is the opposite of the last section; it will pull the data from the cabinet database to the pool database. Normally this happens in the beginning of the setup of the pool database, the administrator needs to build up the prototype of the pool database based on a cabinet. The process is similar to the last section, but in the opposite direction.

Press the “Pull Data” button, the following window will appear.



The screenshot shows a dialog box titled "Database Pull Data from Cabinet" with a close button (X) in the top right corner. The dialog contains several input fields and checkboxes. On the left, there is a list of checkboxes: "User List" (checked), "Equipment List", "Configuration", "Drawer Setup", "Report and Email", "Activity Log", and "All". On the right, there are four input fields: "Database Name" (a dropdown menu showing "CabinetServer"), "IP address" (text box with "192.168.254.157"), "Username" (text box with "pssisql"), and "Server Name" (text box with "SQLEXPRESS"). Below these are two more input fields: "Port Number" (text box with "1433") and "Password" (text box with masked characters). At the bottom of the dialog are two buttons: "OK" and "Cancel".

Select the tables to be pulled data from, log in to the source database, and press the “OK” button. The content of the source database table will appear.

Table Display

Data Pulling from cabinet to pool: CacManager

Transfer <-- Cancel

Content of table in pool

	UserName	UserID	MatchingID	DrawerNum	Method	Rank	Phone	Squadron	OtherInfo	UserLock
1	13159	13159	e95f544c696d23c	1	HID RFID	Unknown	Unknown	Unknown	Unknown	0
2	em Administr	TORY-DEF	1afbb5a1404d22c	-1	Keypad PIN	Unknown	0-231-59	Factory	pluginstorage.	0
3	ohnRRubidiur	798011630	3b8a3798981a32f	1	CAC Card	Unknown	Unknown	Unknown	Unknown	0
4	John Doe 4	4	6763e69b117928c	1	Keypad PIN	Unknown	Unknown	Unknown	Unknown	0

Content of table in cabinet

	Select	UserName	UserID	MatchingID	DrawerNum	Method	Rank	Phone	Squadron	OtherIn
1	<input type="checkbox"/>	em Administr	TORY-DEF	1afbb5a1404d22c	-1	Keypad PIN	Unknown	0-231-59	Factory	pluginsto
2	<input type="checkbox"/>	ohnRRubidiur	798011630	3b8a3798981a32f	1	CAC Card	Unknown	Unknown	Unknown	Unknown
3	<input type="checkbox"/>	John Doe 4	4	6763e69b117928c	1	Keypad PIN	Unknown	Unknown	Unknown	Unknown
4	<input type="checkbox"/>	13159	13159	e95f544c696d23c	1	HID RFID	Unknown	Unknown	Unknown	Unknown

Choose the items to be transferred from the column “Select”, and then press the “Transfer” button, the progress bar for the transfer will appear, after the transfer is done, the window of progress bar will close.

Data Pulling from cabinet to pool: CacManager

Transfer <-- Cancel

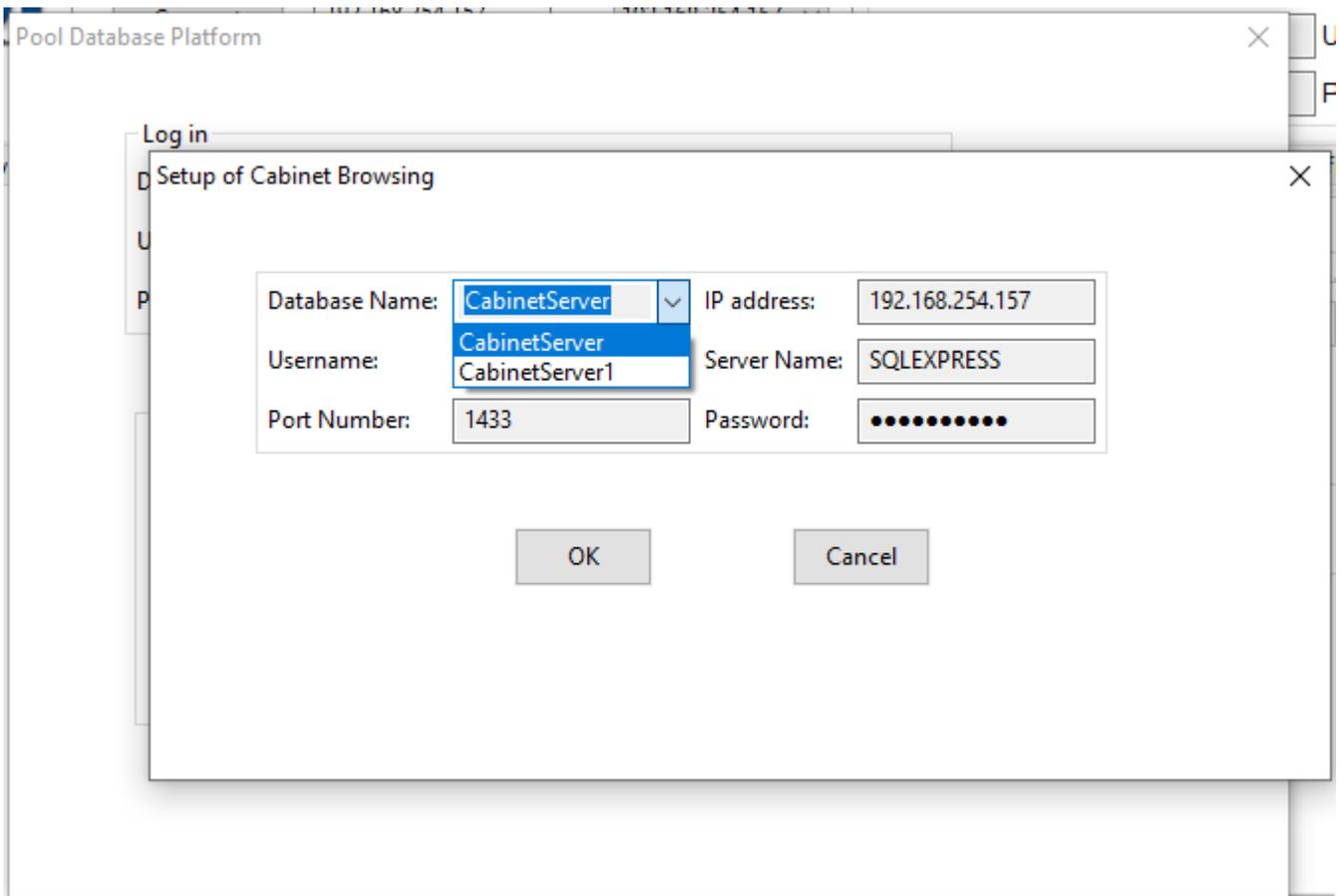
Transfer Progress

OtherInfo	UserLock	Select	UserName	UserID	MatchingID	DrawerNum	Method	Rank	Phone	Squadron	OtherIn
Unknown	0	<input type="checkbox"/>	em Administr	TORY-DEF	1afbb5a1404d22c	-1	Keypad PIN	Unknown	0-231-59	Factory	pluginsto
pluginstorage.	0	<input checked="" type="checkbox"/>	ohnRRubidiur	798011630	3b8a3798981a32f	1	CAC Card	Unknown	Unknown	Unknown	Unknown
Unknown	0	<input checked="" type="checkbox"/>	John Doe 4	4	6763e69b117928c	1	Keypad PIN	Unknown	Unknown	Unknown	Unknown
Unknown	0	<input checked="" type="checkbox"/>	13159	13159	e95f544c696d23c	1	HID RFID	Unknown	Unknown	Unknown	Unknown

6. BROWSING CABINET

When managing the pool database, the administrator may want to check the situation of each cabinet. This can be done by using the Browsing Cabinet function described in the section.

Press the “Cabinet Browsing” button in the platform window, the following window will appear.



After logging in to the database, the following window appears to display the general situation of the cabinet.

Cabinet Browsing X

Snapshot of The Cabinet

	OPEN DRAWER	DRAWER STATUS	CHECKED IN or OUT	LAST TIME DRAWER WAS OPEN	USER NAME	SIGNATURE ID	EQUIPMENT ID	EQUIPMENT DESCR.
1	<input type="checkbox"/>	Closed	IN	unknown	-	-	-	-
2	<input type="checkbox"/>	Closed	IN	Thu Apr 21 09:18:00 2022	-	-	111	description 1
3	<input type="checkbox"/>	Closed	IN	Thu Apr 21 09:34:54 2022	-	-	222	description 2
4	<input type="checkbox"/>	Closed	IN	Wed Apr 13 11:20:06 2022	-	-	333	description 3
5	<input type="checkbox"/>	Open	IN	unknown	-	-	444	description 4
6	<input type="checkbox"/>	Open	IN	unknown	-	-	555	description 5
7	<input type="checkbox"/>	Open	IN	unknown	-	-	666	description 1 6
8	<input type="checkbox"/>	Open	IN	Fri Apr 01 16:42:05 2022	-	-	777	1description 7
9	<input type="checkbox"/>	Open	IN	Fri Apr 01 14:17:28 2022	-	-	888	description 8
10	<input type="checkbox"/>	Open	IN	unknown	-	-	999	description 9
11	<input type="checkbox"/>	Open	IN	unknown	-	-	101010	description 10
12	<input type="checkbox"/>	Open	IN	unknown	-	-	111111	description 11
13	<input type="checkbox"/>	Open	IN	unknown	-	-	121212	description 12
14	<input type="checkbox"/>	Open	IN	unknown	-	-	131313	description 13
15	<input type="checkbox"/>	Open	IN	unknown	-	-	141414	description 14
16	<input type="checkbox"/>	Open	IN	unknown	-	-	151515	description 15

The user can check the situation of each cabinet by login to the related database.

7. SEARCH THE LOG OF THE POOL DATABASE

The administrator can search the activity log of the pool database for some more consistent information about a user or device. After pressing the “Search” button of the platform, the following window popped up to display the log.

Search on Pool Database

SEARCH: (Click column title to sort)

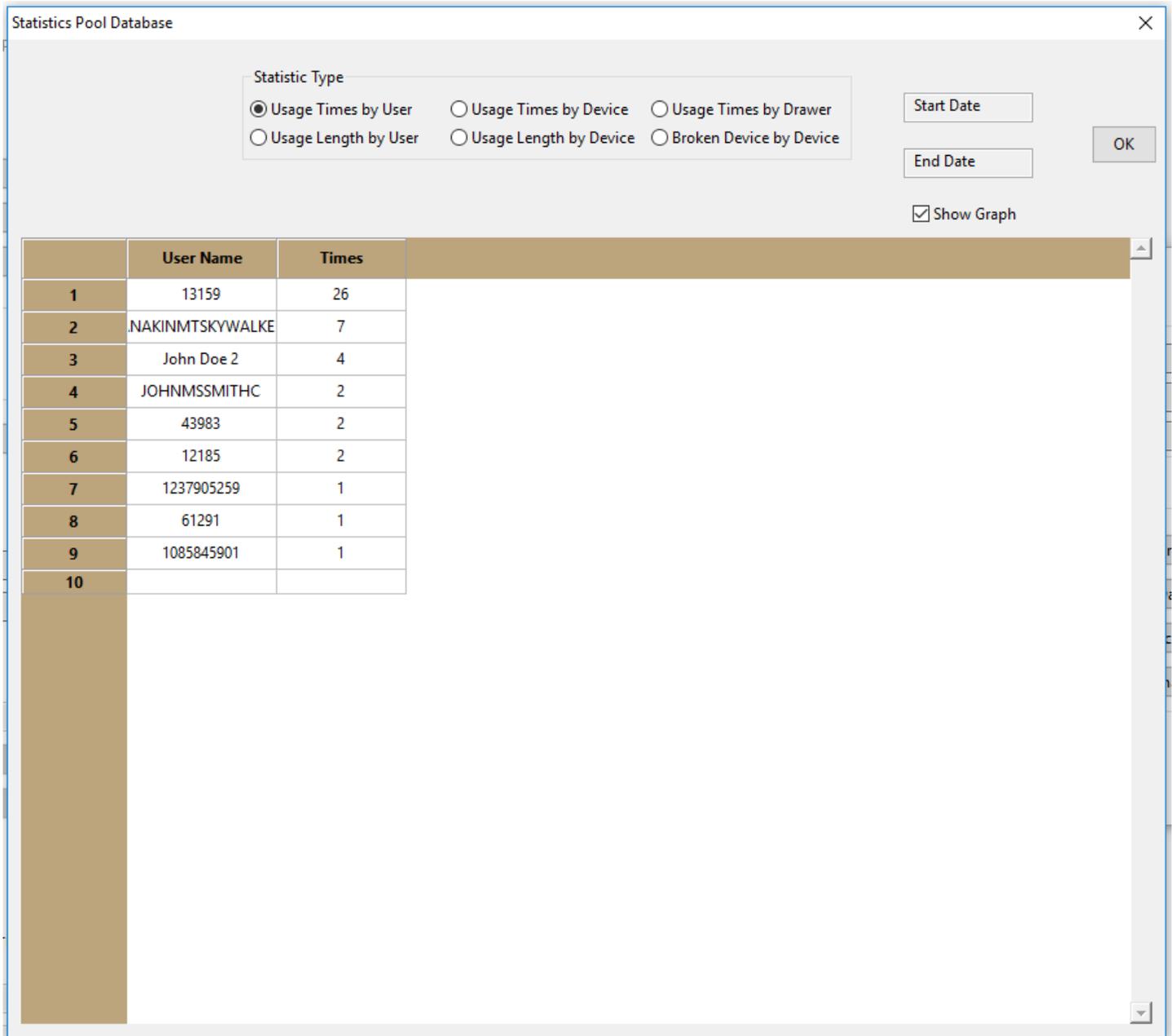
	Time Readable	Time Of Activity	User Name	Person ID	Drawer Num	Activity	Access Method	Cabinet Name & Mode	Check InOut	Eq
1	4/12/2022 8:4	1649765080	.KINMTSKYWAL	678194773	2	<-IN (checked	RFID CARD	te Cabinet/MODE: FIRST-AVAI	CHECK-IN	222 (
2	4/11/2022 13:42	1649689870	.OHNMSSMITH	651941851	1	<-IN (checked	RFID CARD	te Cabinet/MODE: FIRST-AVAI	CHECK-IN	111 (
3	4/11/2022 13:42	1649689829	.OHNMSSMITH	651941851	1	ED for CHECK	RFID CARD	te Cabinet/MODE: FIRST-AVAI	CHECK-OUT	111 (
4	4/11/2022 11:50	1649692215	.OHNMSSMITH	651941851	2	ED for CHECK	RFID CARD	te Cabinet/MODE: FIRST-AVAI	CHECK-OUT	222 (
5	4/11/2022 11:39	1649691549	.KINMTSKYWAL	678194773	1	<-IN (checked	RFID CARD	te Cabinet/MODE: FIRST-AVAI	CHECK-IN	111 (
6	4/11/2022 11:38	1649691495	.KINMTSKYWAL	678194773	1	ED for CHECK	RFID CARD	te Cabinet/MODE: FIRST-AVAI	CHECK-OUT	111 (
7	4/11/2022 11:32	1649691168	.KINMTSKYWAL	678194773	3	ED for CHECK	RFID CARD	te Cabinet/MODE: FIRST-AVAI	CHECK-OUT	333 (
8	4/11/2022 11:17	1649690253	1237905259	1237905259	1	ED for CHECK	RFID CARD	te Cabinet/MODE: FIRST-AVAI	CHECK-OUT	111 (
9	4/11/2022 9:42	1649684541	1085845901	1085845901	2	ED for CHECK	RFID CARD	te Cabinet/MODE: FIRST-AVAI	CHECK-OUT	222 (
10	4/11/2022 9:36	1649684210	.KINMTSKYWAL	678194773	1	<-IN (checked	RFID CARD	te Cabinet/MODE: FIRST-AVAI	CHECK-IN	111 (
11	4/11/2022 9:35	1649684145	.KINMTSKYWAL	678194773	1	ED for CHECK	RFID CARD	te Cabinet/MODE: FIRST-AVAI	CHECK-OUT	111 (
12	4/11/2022 9:1	1649682064	.KINMTSKYWAL	678194773	1	<-IN (checked	JoD-CAC/PIV CARD	te Cabinet/MODE: FIRST-AVAI	CHECK-IN	111 (
13	4/11/2022 8:53	1649681620	1237905259	1237905259	3	<-IN (checked	RFID CARD	te Cabinet/MODE: FIRST-AVAI	CHECK-IN	333 (
14	4/11/2022 7:42	1649677374	.KINMTSKYWAL	678194773	1	<-IN (checked	RFID CARD	te Cabinet/MODE: FIRST-AVAI	CHECK-IN	111 (
15	4/11/2022 7:42	1649677329	.KINMTSKYWAL	678194773	1	ED for CHECK	RFID CARD	te Cabinet/MODE: FIRST-AVAI	CHECK-OUT	111 (
16	4/8/2022 14:26	1649442407	.KINMTSKYWAL	678194773	3	ED for CHECK	JoD-CAC/PIV CARD	te Cabinet/MODE: FIRST-AVAI	CHECK-OUT	333 (
17	4/8/2022 14:18	1649441920	.KINMTSKYWAL	678194773	2	<-IN (checked	RFID CARD	te Cabinet/MODE: FIRST-AVAI	CHECK-IN	222 (
18	4/8/2022 14:17	1649441822	.KINMTSKYWAL	678194773	2	ED for CHECK	RFID CARD	te Cabinet/MODE: FIRST-AVAI	CHECK-OUT	222 (
19	4/8/2022 10:21	1649427704	61291	61291	3	ED for CHECK	RFID CARD	te Cabinet/MODE: FIRST-AVAI	CHECK-OUT	333 (
20	4/8/2022 10:20	1649427653	.KINMTSKYWAL	678194773	2	<-IN (checked	JoD-CAC/PIV CARD	te Cabinet/MODE: FIRST-AVAI	CHECK-IN	222 (
21	4/8/2022 10:20	1649427611	.KINMTSKYWAL	678194773	2	ED for CHECK	JoD-CAC/PIV CARD	te Cabinet/MODE: FIRST-AVAI	CHECK-OUT	222 (
22	4/7/2022 13:24	1649352273	12185	21	1	<-IN (checked	RFID CARD	te Cabinet/MODE: FIRST-AVAI	CHECK-IN	111 (
23	4/7/2022 13:24	1649352253	12185	21	1	ED for CHECK	RFID CARD	te Cabinet/MODE: FIRST-AVAI	CHECK-OUT	111 (
24	4/7/2022 13:22	1649352141	12185	12185	3	<-IN (checked	RFID CARD	te Cabinet/MODE: FIRST-AVAI	CHECK-IN	333 (
25	4/7/2022 13:21	1649352110	12185	12185	3	ED for CHECK	RFID CARD	te Cabinet/MODE: FIRST-AVAI	CHECK-OUT	333 (
26	4/7/2022 13:20	1649352044	192.168.254.134	KTOP-CA-BZ.h	1	IN CABINET O	Network Controlled	te Cabinet/MODE: FIRST-AVAI	UI Opened Drawe	111 (
27	4/7/2022 13:13	1649351636	13159	13159	2	<-IN (checked	RFID CARD	te Cabinet/MODE: FIRST-AVAI	CHECK-IN	222 (
28	4/7/2022 13:13	1649351607	13159	13159	2	ED for CHECK	RFID CARD	te Cabinet/MODE: FIRST-AVAI	CHECK-OUT	222 (
29	4/7/2022 13:10	1649351449	192.168.254.134	KTOP-CA-BZ.h	1	IN CABINET O	Network Controlled	te Cabinet/MODE: FIRST-AVAI	UI Opened Drawe	111 (
30	4/7/2022 13:10	1649351413	13159	13159	1	<-IN (checked	RFID CARD	te Cabinet/MODE: FIRST-AVAI	CHECK-IN	111 (
31	4/7/2022 13:9	1649351382	13159	13159	1	ED for CHECK	RFID CARD	te Cabinet/MODE: FIRST-AVAI	CHECK-OUT	111 (
32	4/7/2022 10:5	1649340308	13159	13159	3	ED for CHECK	RFID CARD	te Cabinet/MODE: FIRST-AVAI	CHECK-OUT	333 (
33	4/7/2022 9:3	1649336598	13159	13159	2	<-IN (checked	RFID CARD	te Cabinet/MODE: FIRST-AVAI	CHECK-IN	222 (
34	4/7/2022 9:2	1649336576	13159	13159	2	ED for CHECK	RFID CARD	te Cabinet/MODE: FIRST-AVAI	CHECK-OUT	222 (
35	4/7/2022 9:1	1649336471	13159	13159	1	<-IN (checked	RFID CARD	te Cabinet/MODE: FIRST-AVAI	CHECK-IN	111 (
36	4/7/2022 9:0	1649336456	13159	13159	1	ED for CHECK	RFID CARD	te Cabinet/MODE: FIRST-AVAI	CHECK-OUT	111 (
37	4/7/2022 9:0	1649336400	13159	13159	3	<-IN (checked	RFID CARD	te Cabinet/MODE: FIRST-AVAI	CHECK-IN	333 (
38	4/7/2022 8:59	1649336382	13159	13159	3	ED for CHECK	RFID CARD	te Cabinet/MODE: FIRST-AVAI	CHECK-OUT	333 (
39	4/7/2022 8:59	1649336368	13159	13159	2	<-IN (checked	RFID CARD	te Cabinet/MODE: FIRST-AVAI	CHECK-IN	222 (
40	4/6/2022 11:7	1649257625	192.168.254.134	KTOP-CA-BZ.h	7	IN CABINET O	Network Controlled	te Cabinet/MODE: FIRST-AVAI	UI Opened Drawe	777 (
41	4/6/2022 11:5	1649257503	13159	13159	2	ED for CHECK	RFID CARD	te Cabinet/MODE: FIRST-AVAI	CHECK-OUT	222 (
42	4/4/2022 9:1	1649077311	127.0.0.1	.ESKTOP-CA-B	22	IN CABINET O	Network Controlled	te Cabinet/MODE: FIRST-AVAI	UI Opened Drawe	332 (
43	4/4/2022 9:1	1649077305	127.0.0.1	.ESKTOP-CA-B	21	IN CABINET O	Network Controlled	te Cabinet/MODE: FIRST-AVAI	UI Opened Drawe	331 (
44	4/4/2022 9:1	1649077299	127.0.0.1	.ESKTOP-CA-B	20	IN CABINET O	Network Controlled	te Cabinet/MODE: FIRST-AVAI	UI Opened Drawe	020 (

Type in the keyword to search, and press the “OK” button, and the table will show only the items with the keyword included. Press the “RESTORE” button to display the full list of the log.

Clicking on the title of the column can sort the list in increasing or decreasing order based on the related column.

8. STATISTICS BASED ON POOL DATABASE

Some statistical results can be generated based on the activity log of the pool database, and the chart can be shown to reflect the result. Press the “Statistics” button in the platform, and the following window will pop up.

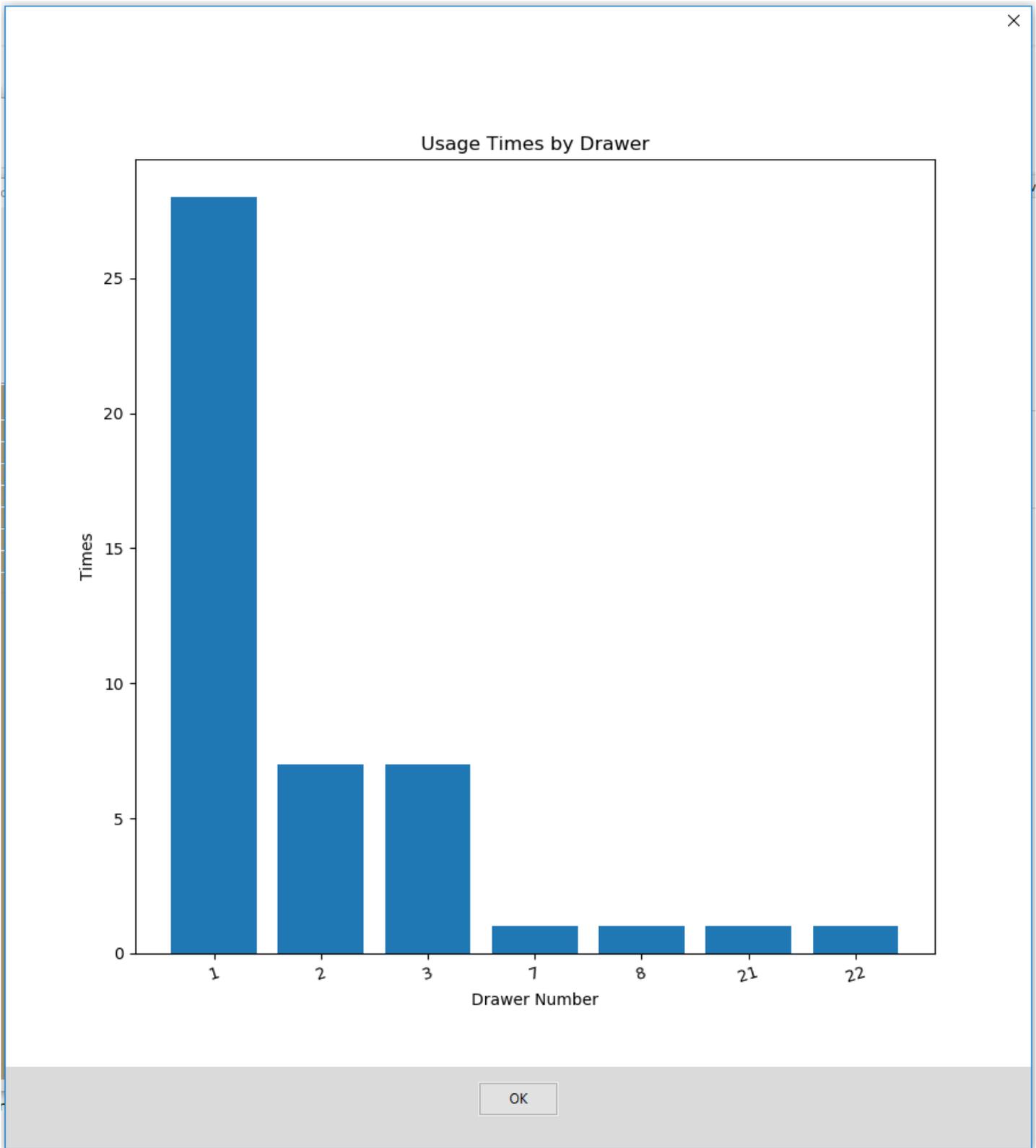


The screenshot shows a window titled "Statistics Pool Database" with a close button (X) in the top right corner. The window contains a "Statistic Type" section with six radio button options: "Usage Times by User" (selected), "Usage Times by Device", "Usage Times by Drawer", "Usage Length by User", "Usage Length by Device", and "Broken Device by Device". To the right of these options are two input fields for "Start Date" and "End Date", and an "OK" button. Below these controls is a checked checkbox labeled "Show Graph". The main area of the window displays a table with the following data:

	User Name	Times
1	13159	26
2	.NAKINMTSKYWALKE	7
3	John Doe 2	4
4	JOHNMSSMITHC	2
5	43983	2
6	12185	2
7	1237905259	1
8	61291	1
9	1085845901	1
10		

The statistical types include Usage Times by User, Usage Times by Device, Usage Times by Drawer, Usage Length by User, Usage length by Device, and Broken Device by Device.

For each statistic type, there is a table to show the details. If the Show Graph is selected, there will be a graph popping up to illustrate the result of the table. The following is a screenshot.



If the user wants to narrow down the searching result, there are fields of Start Date and End Date to define the searching boundary.

9. MAINTENANCE OF POOL DATABASE

The database in the pool database needs to be modified in some circumstances. The tables that can be changed include User List, Equipment List, Configuration, Drawer Setup, Report and Email Setup. The user can add, delete, or change the items in the table. The following is a screenshot.

Pool Database Maintenance

User List

User List Equipment List Configuration
 Drawer Setup Report Email

Save Close

	Delete	Blocked	Equipment ID	Description	UI	Quantity	Misc	Name	Endpoint ID	Mac Address
1	<input checked="" type="checkbox"/>	0	3331	description 31	BK - Book	1	misc 3	-	-	-
2	<input type="checkbox"/>	0	3332	description 32	BK - Book	1	misc 3	-	-	-
3	<input type="checkbox"/>	0	111	description 1	BK - Book	1	misc 1			
4	<input type="checkbox"/>	0	222	description 2	BK - Book	1	misc 2			
5	<input type="checkbox"/>	0	444	description 4	BK - Book	1	misc 4			
6	<input type="checkbox"/>	0	555	description 5	BK - Book	1	misc 5			
7	<input type="checkbox"/>	0	181818	description 18	BK - Book	1	misc 18			
8	<input type="checkbox"/>	0	333	description 3	BK - Book	1	misc 3			
9	<input type="checkbox"/>									

After the table is ready, press the “Save” button, and the table will be saved into the database. Click on the name of different tables, and the screen will display the content of the corresponding table.