M2M RTU FAQ

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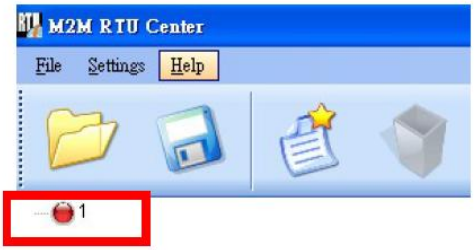
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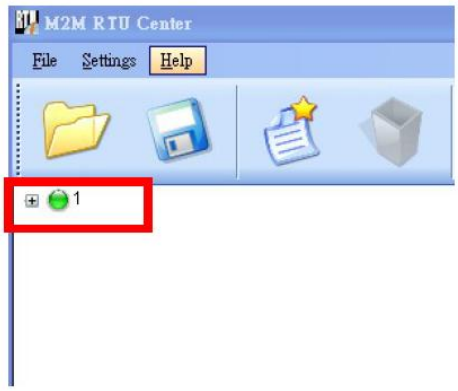
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Q01：How does user check whether the device has connected to RTU Center or not?

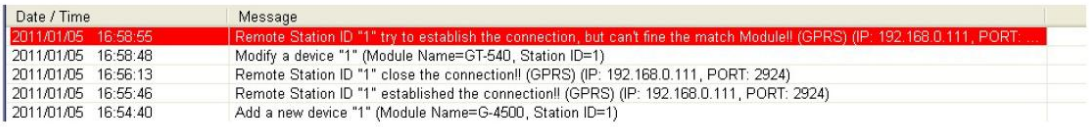
A01：Please confirm the light of the device of RTU Center. If the color of the light of the device of RTU Center is green, it represents the device that has connected to RTU Center. If the color of the light of the device of RTU Center is red, it represents the device that doesn't connect to RTU Center.



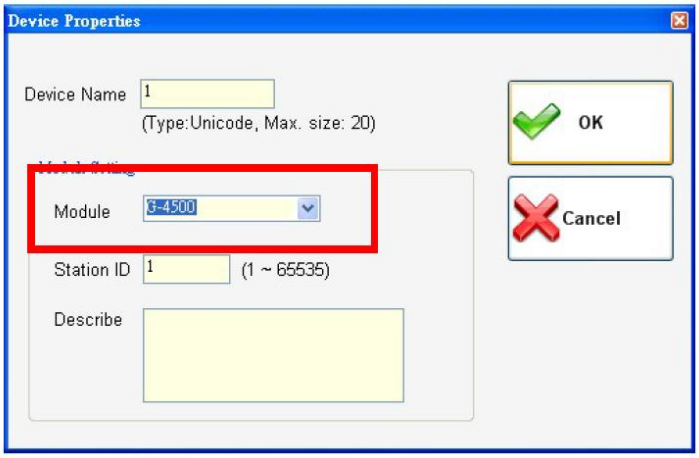


Q02：Why does the RTU Center show the "Remote Station ID try to establish the connection, but can't fine the match Module!! information?

A02：The module of RTU Center is not matched. Please confirm the module of RTU Center when user adds a new device.



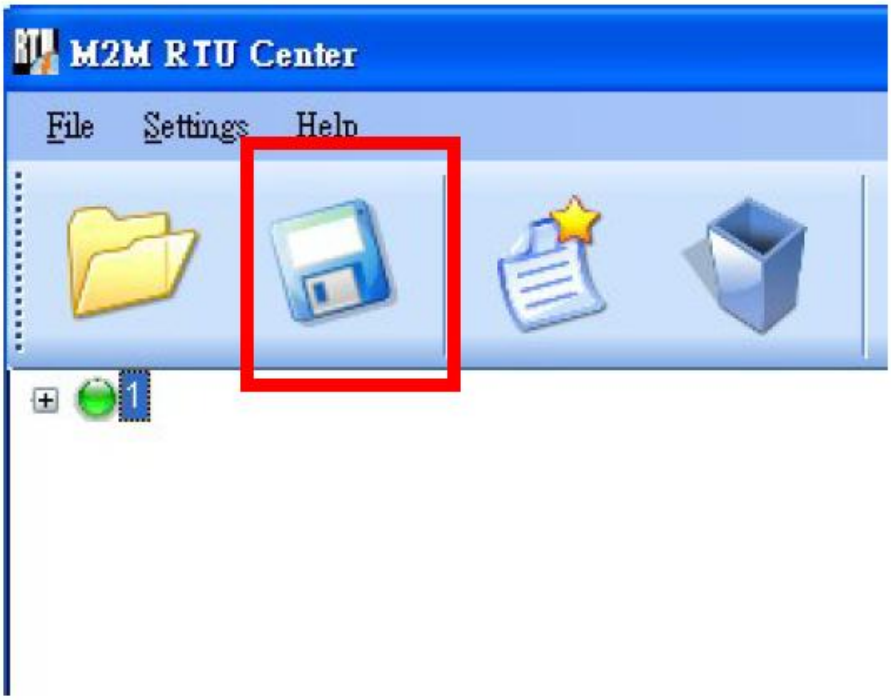
Date / Time	Message
2011/01/05 16:58:55	Remote Station ID "1" try to establish the connection, but can't fine the match Module!! (GPRS) (IP: 192.168.0.111, PORT: ....
2011/01/05 16:58:48	Modify a device "1" (Module Name=GT-540, Station ID=1)
2011/01/05 16:56:13	Remote Station ID "1" close the connection!! (GPRS) (IP: 192.168.0.111, PORT: 2924)
2011/01/05 16:55:46	Remote Station ID "1" established the connection!! (GPRS) (IP: 192.168.0.111, PORT: 2924)
2011/01/05 16:54:40	Add a new device "1" (Module Name=G-4500, Station ID=1)



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Q03：How does user do when user executes the RTU Center that automatically loads device information every time?

A03：When user finished setting these devices parameters first time, click the Save button to save these parameters and the RTU Center will automatically loads these devices parameters next time.

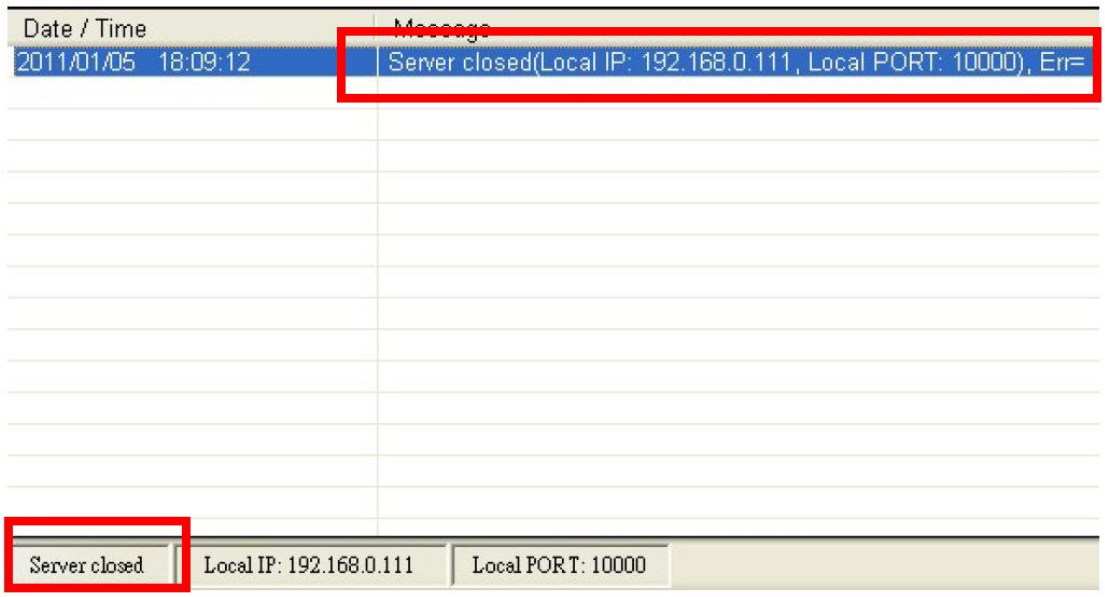


Q04：When user executed the RTU Center, but happened error “Server close”. How does the user do?

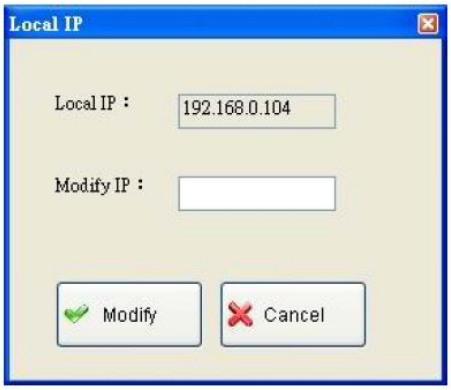
A04：

The RTU Center can’t build a server, Please confirm the correct IP address, Port or firewall.

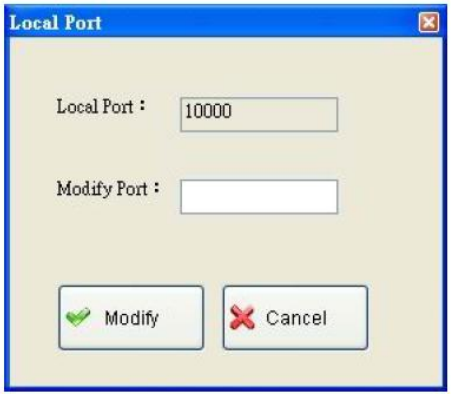
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Modify IP address:



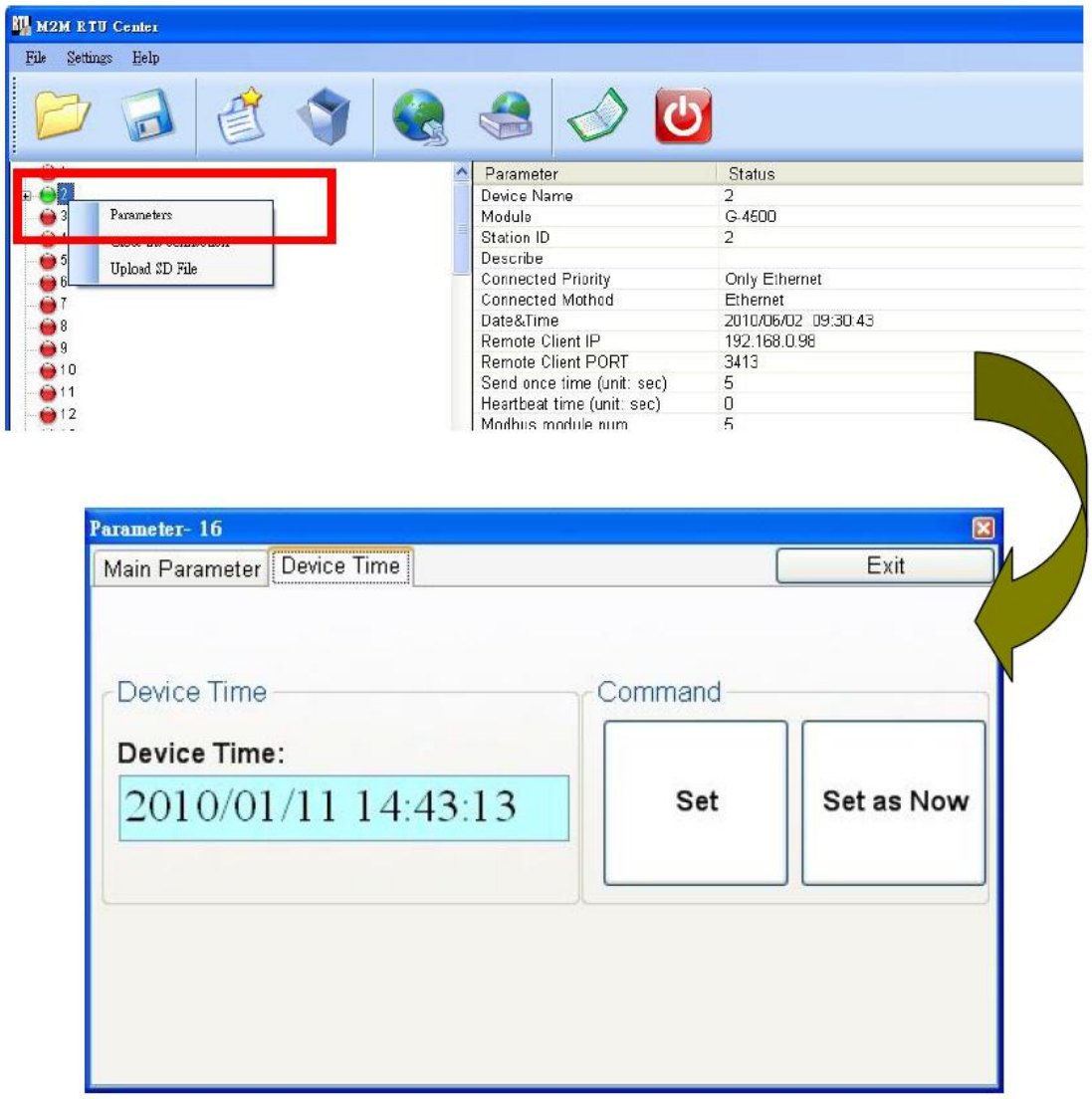
Modify Port:



Q05：If user finds the time/date of remote device that is wrong. How dose user do?

A05：When the device connected to RTU Center, right-click the device and select Parameters => Device time to proofread the correct time on the RTU Center.

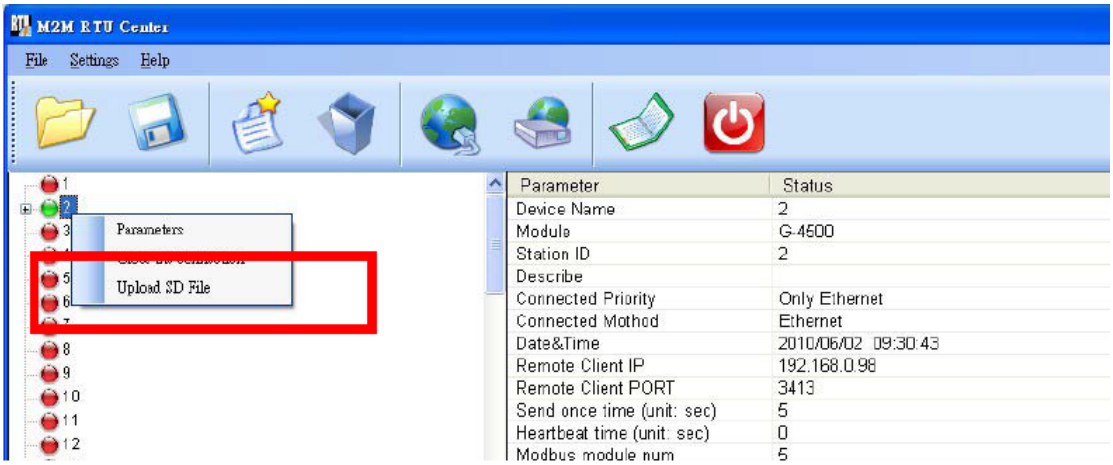
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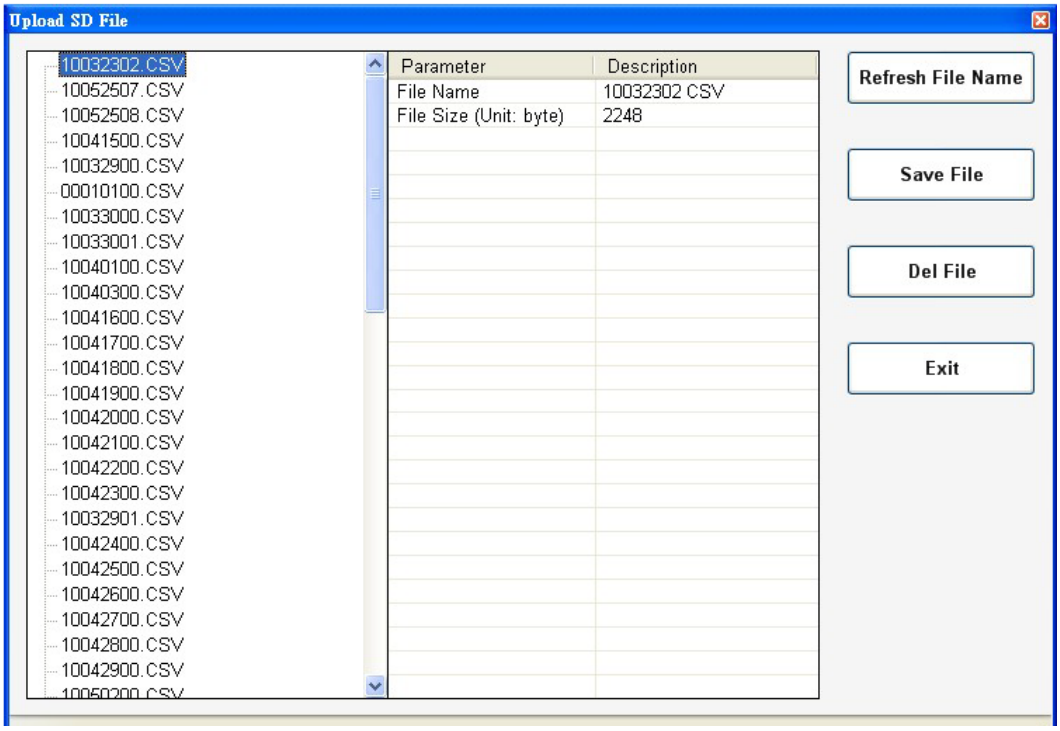


Q06：If user wants to upload the SD file of GT-540, GT-540P or G-4500 RTU. How dose user do?

A06：Right-click the device that user wants to upload and selects the “Upload SD File” item on the RTU Center. Then selects the file name that user wants to upload.

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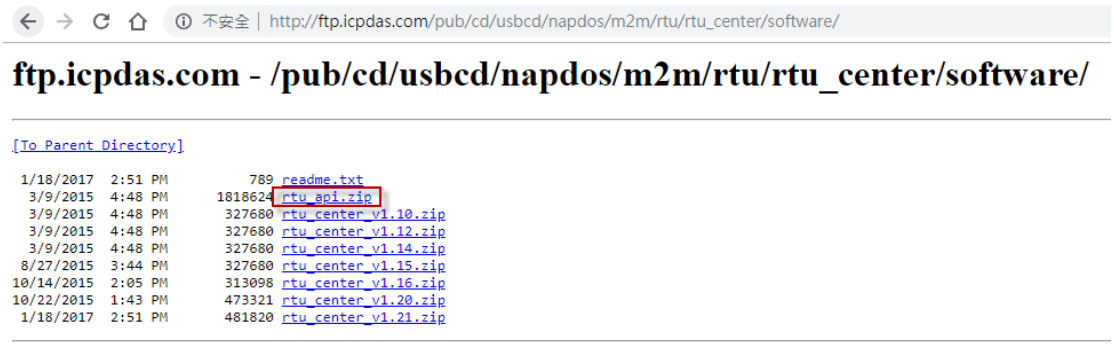




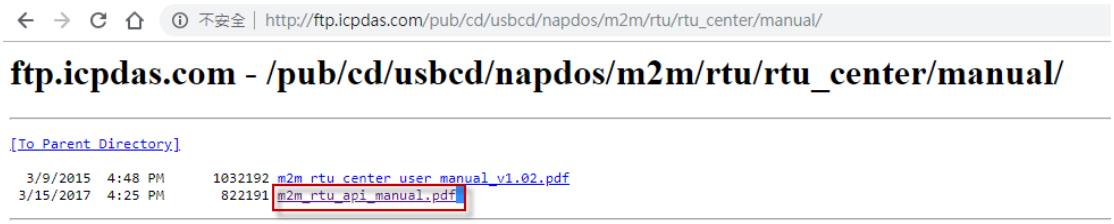
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Q07: Can I program to read the RTU information myself? What should I do?

A07: ICPDAS provides the M2M RTU Library to enable developers to program their own codes to read RTU's real-time data. Users can download Library by:
http://ftp.icpdas.com/pub/cd/usbcd/napdos/m2m/rtu/rtu_center/software/



And can refer to the manual for program development:
http://ftp.icpdas.com/pub/cd/usbcd/napdos/m2m/rtu/rtu_center/manual/



Can also refer to Demo code for secondary development:

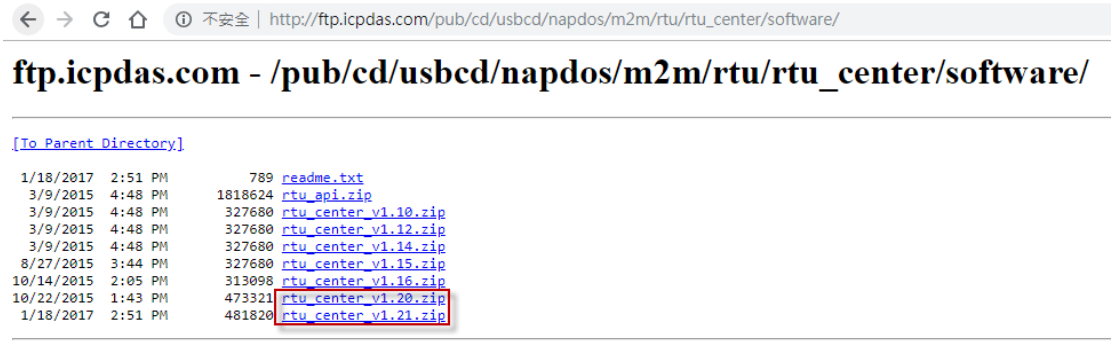


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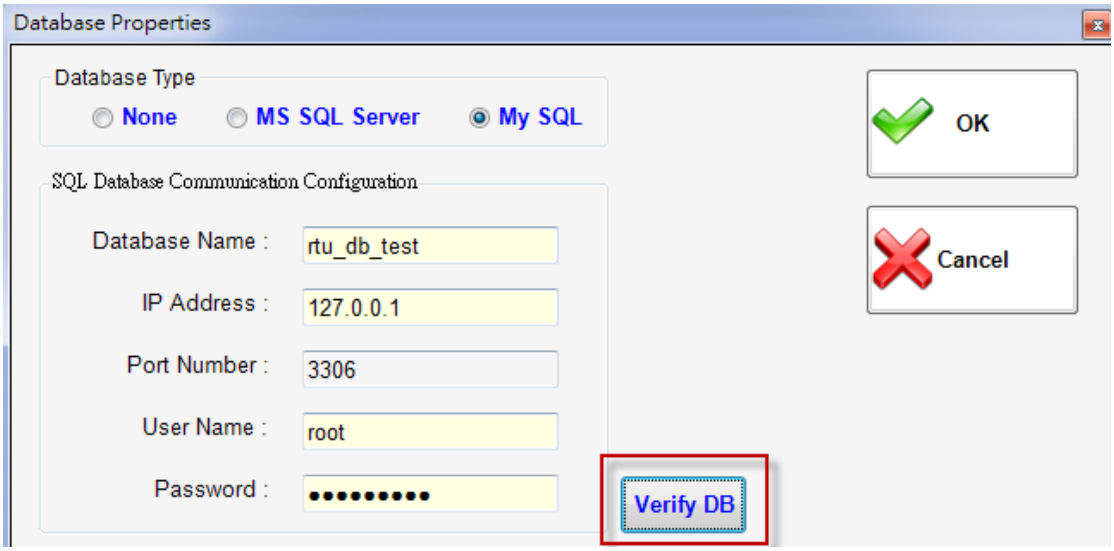
Q08: Can I store the real-time data on the RTU in the database?

A08: Yes, after RTU version 1.20, we have already supported MS SQL and MySQL database storage functions. Users can save the connection data of SQL in RTU Center through setting. When the device is connected, it will automatically save the data into the database.

http://ftp.icpdas.com/pub/cd/usbcd/napdos/m2m/rtu/rtu_center/software/



Set My SQL connection information:



Here, please add a new database in MySQL, and fill in the name in the Database Name field. RTU Center cannot add a database, only the data table will be added. After filling in the connection information, press the Verify DB button to check and set the database. After successful connection, 3 data tables will be added automatically for storing data:

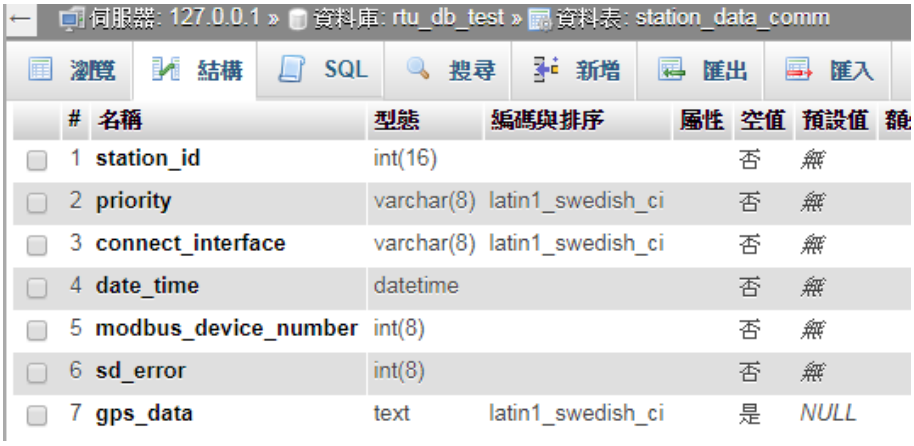
Date / Time	Message
2018/12/07 14:48:38.048	My SQL Connection Success!!
2018/12/07 14:48:13.214	station_data_comm
2018/12/07 14:48:13.214	station_data_modbus
2018/12/07 14:48:13.214	station_last_record

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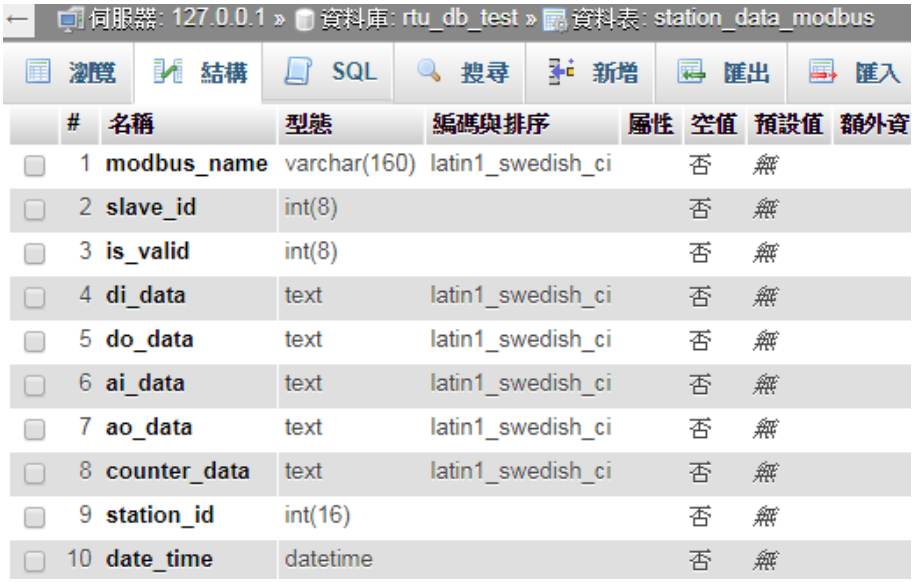
View the three new data tables with phpmyadmin:



“station_data_comm” structure:



“station_data_modbus” structure:



“station_last_record” structure:



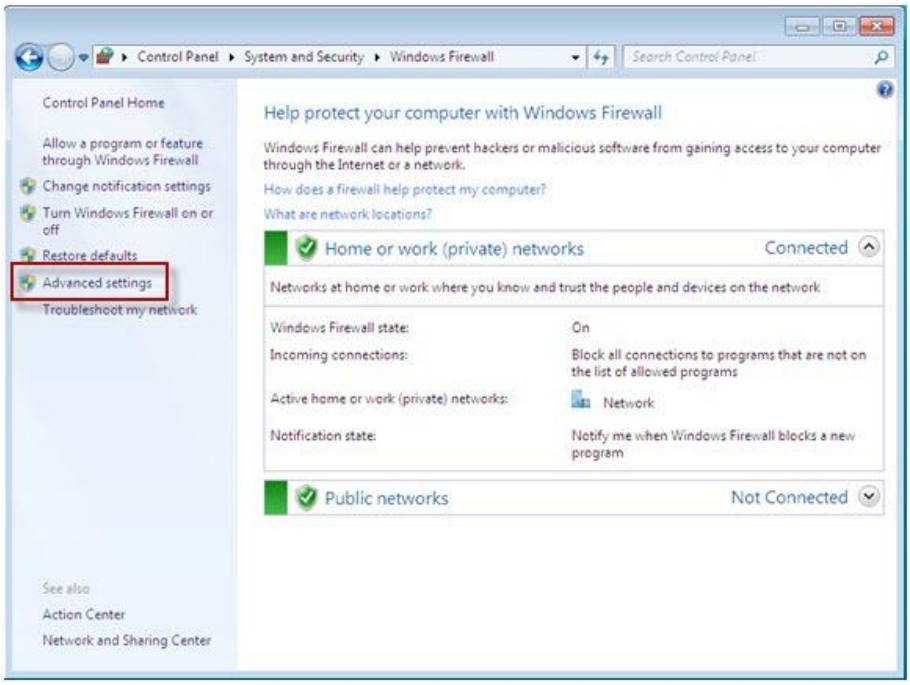
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Q09: Why can't I connect to MS SQL (SQL Server)?

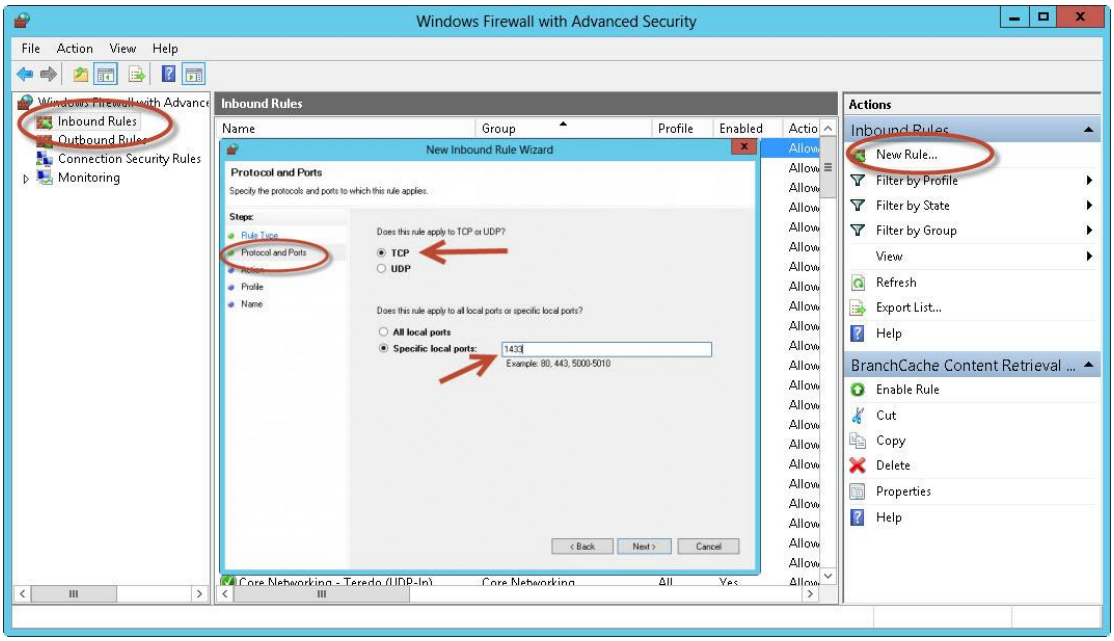
A09:

Check1: Confirm that the Windows Firewall is enabled via MS SQL Port: 1433:

Select advanced settings

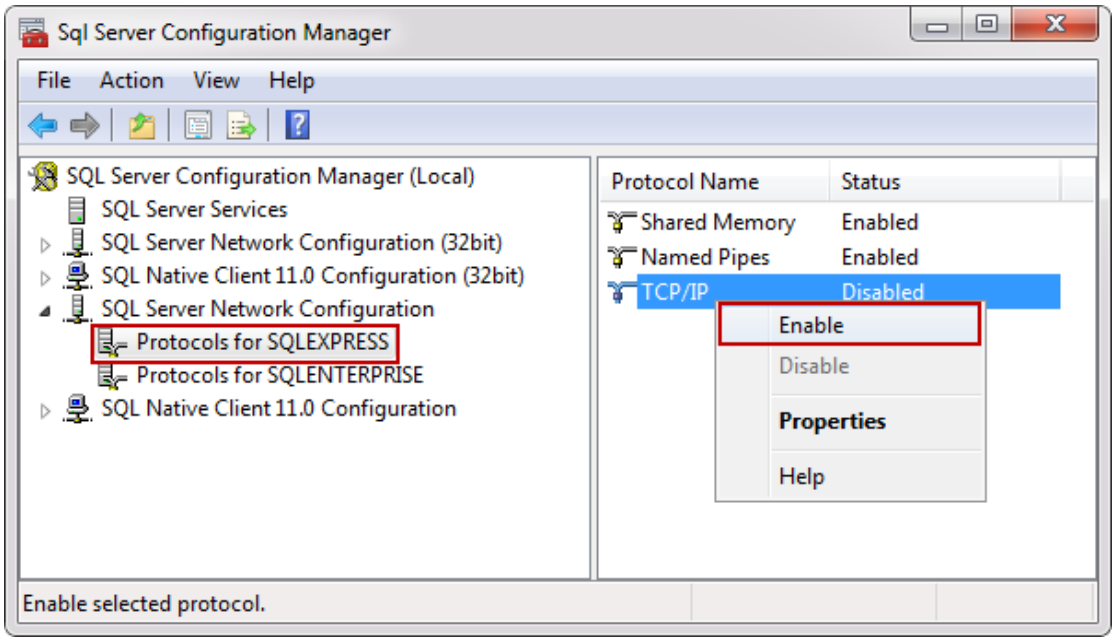


選擇輸入規則→新增通過連接埠 1433



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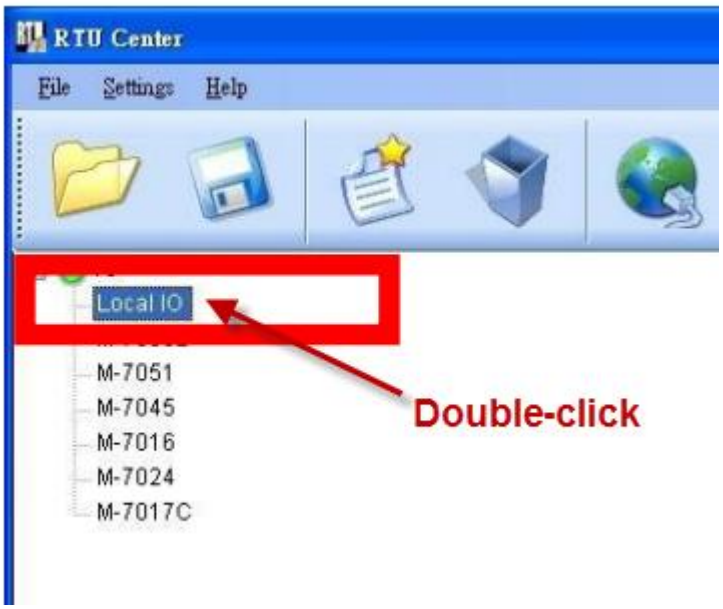
Check2: Confirm that the TCP/IP project for the network configuration in Sql Server Configuration Manager is enabled.



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Q10: Can I control the IO of my device through the RTU Center? What should I do?

A10: Yes, first find your device and double-click the mouse to open the page:



Click the DO button on the control page or enter the AO value. The RTU Center will return the value to the device for control.



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