



MHm-P / MHm-KB

**Machine Health management Platform or  
Kanban System  
Installation Guide**

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# A. Recommended Configuration

The recommended PC Configuration for installing MHM-P is as follows:

## 1. Hardware

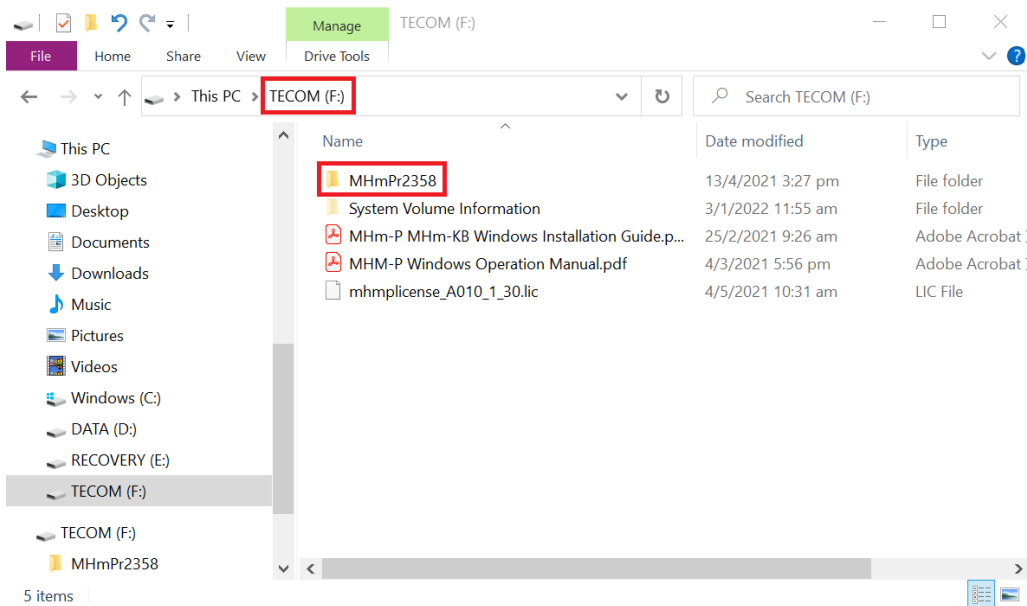
Processor: Intel i5 Dual Core  
RAM: 16G  
Hard disk: 500G SSD

## 2. Software

64-bit WIN10

Copy all the files in the folder \MHmPr2358 or newer version in the MHm-P USB Keypro Flash disk to the C drive or D drive of the computer hard disk.

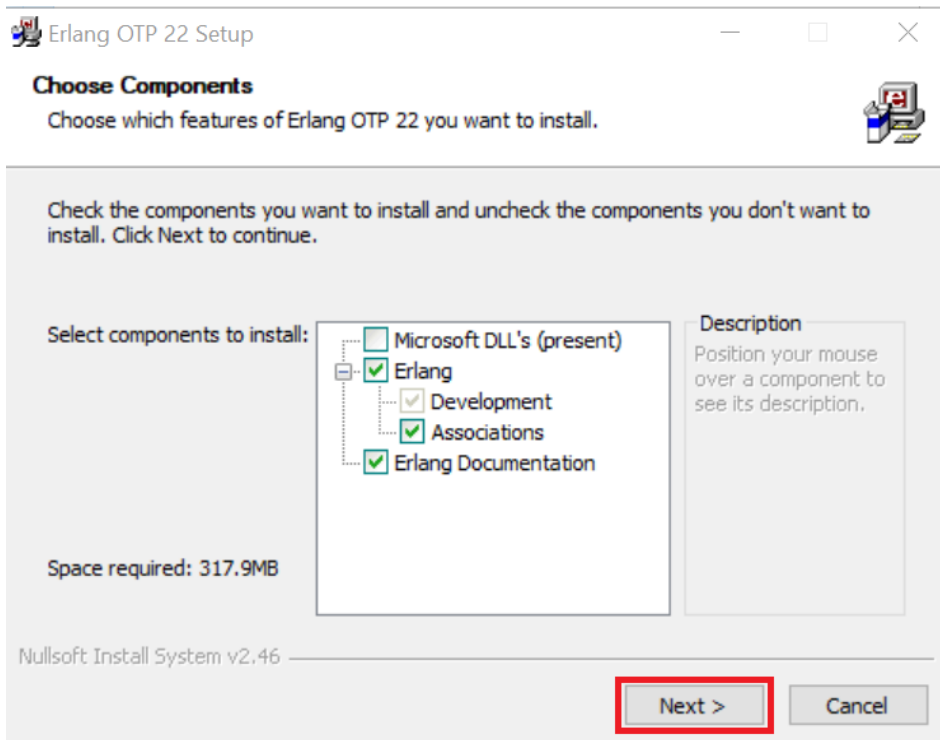
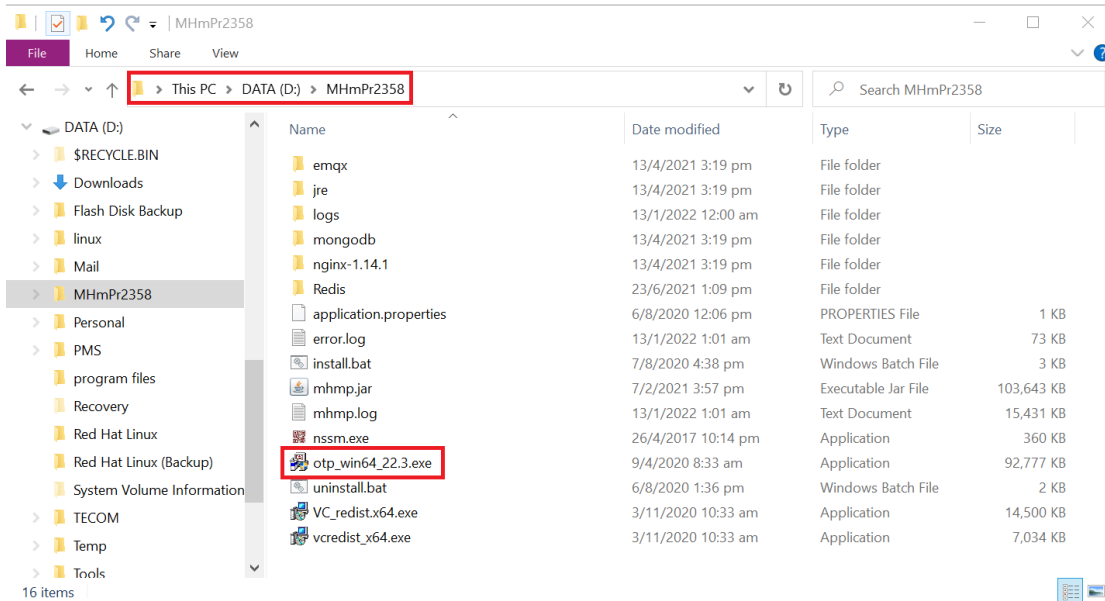
r2358 means the version of the MHm Platform or Kanban System in it is version 2358.



# B. Installation

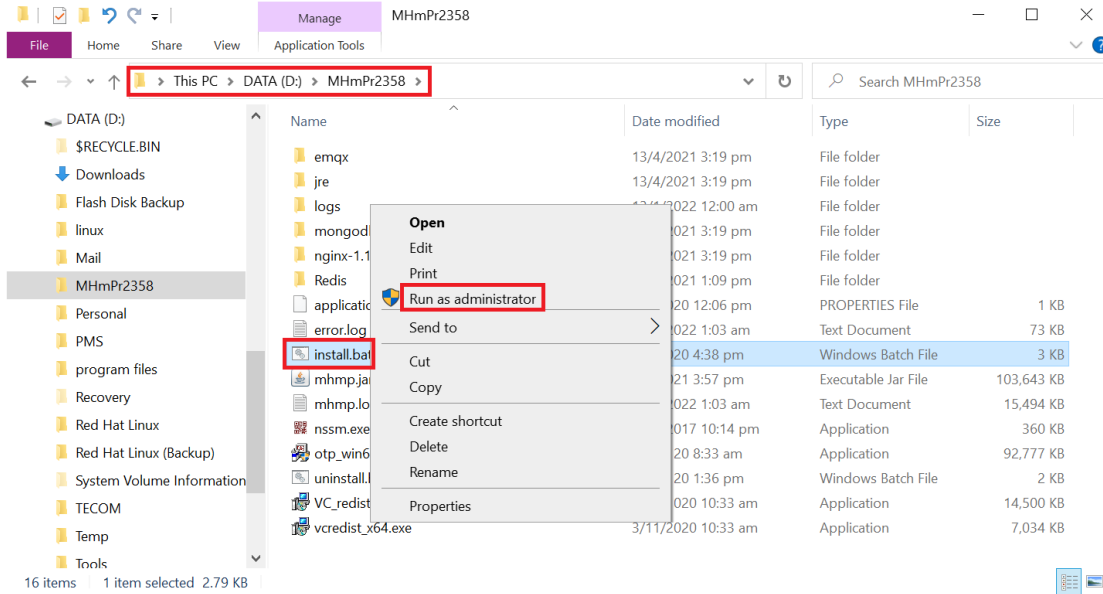
Enter into the MHmPr2358 directory:

## 1. Install otp\_win64\_22.3.exe

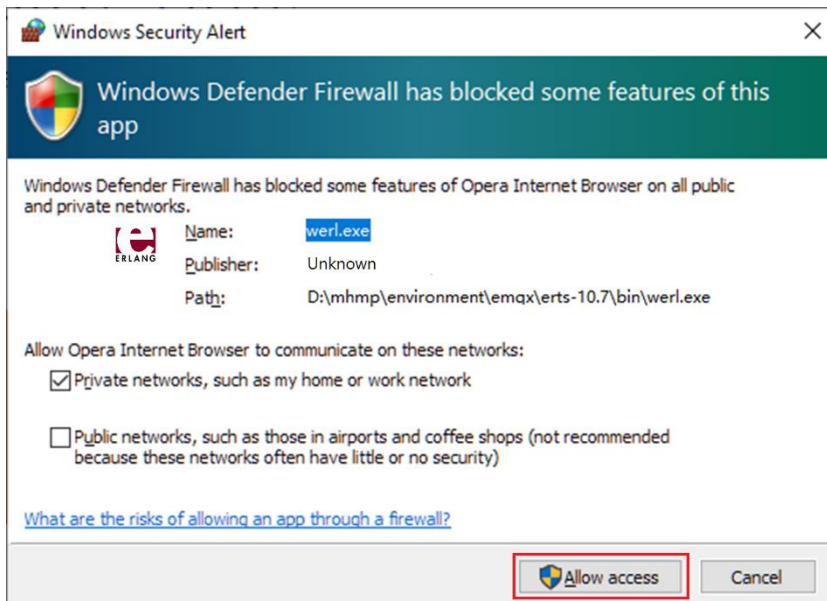
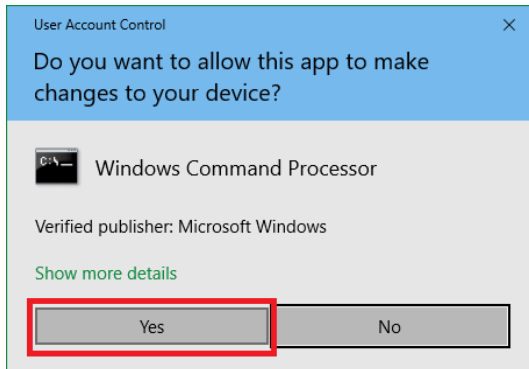


## 2. Run the "install.bat" batch file as administrator

Attention: The installation takes about 2 to 3 minutes, please be patient during this process.

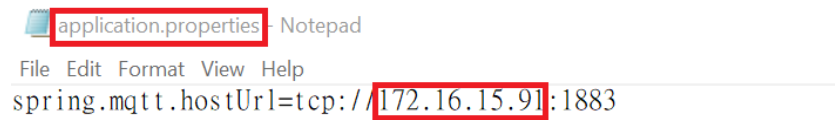


If the following dialogue boxes are encountered, please select "Yes" & "Allow access".



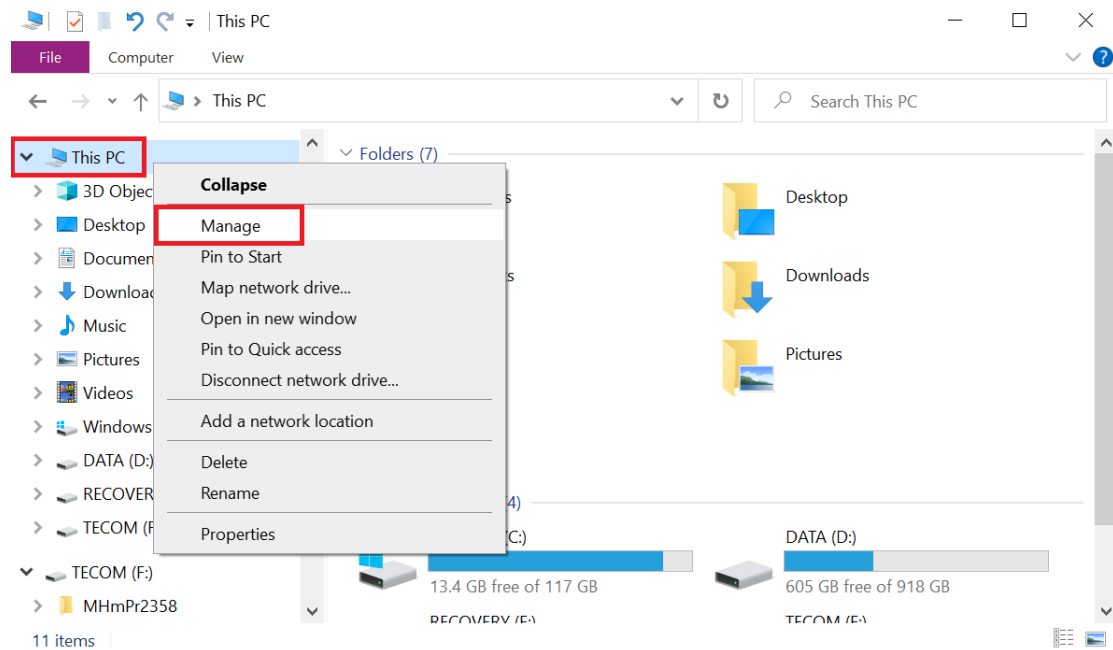
### 3. Modify the properties file

Open the application.properties file, replace the IP in it with your computer's IP and save it ("172.16.15.91" here is my own computer's IP, your computer's IP would be different from mine).

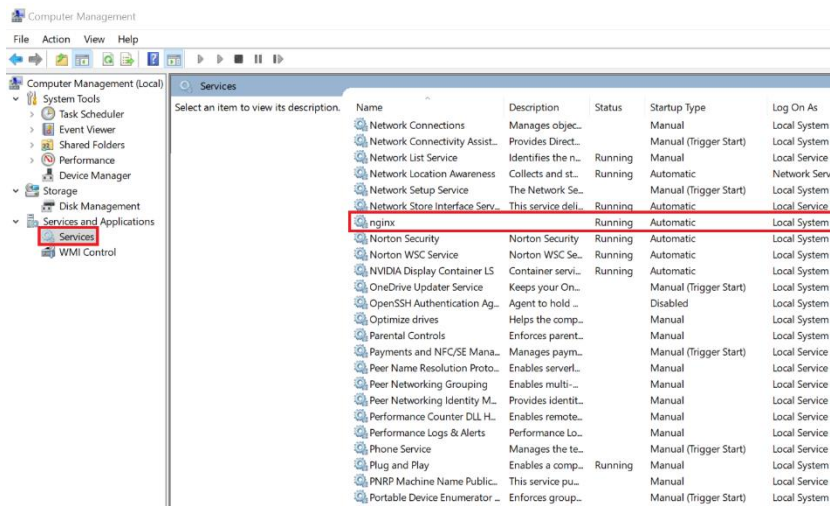
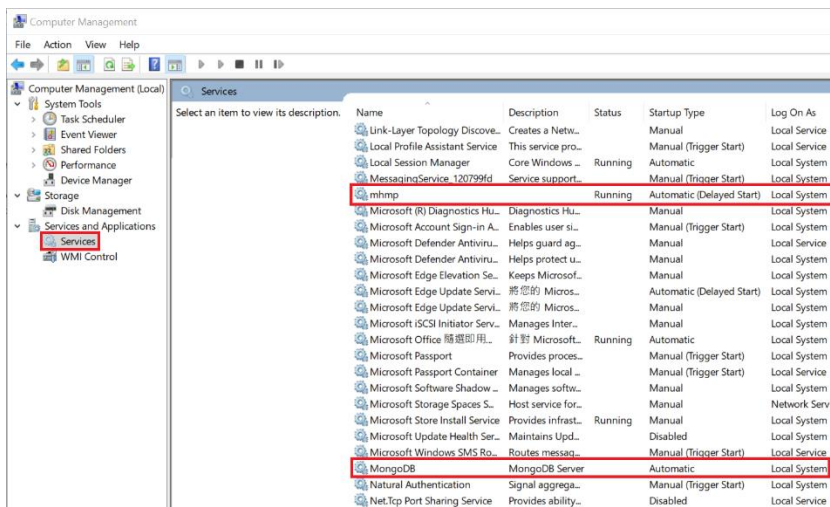
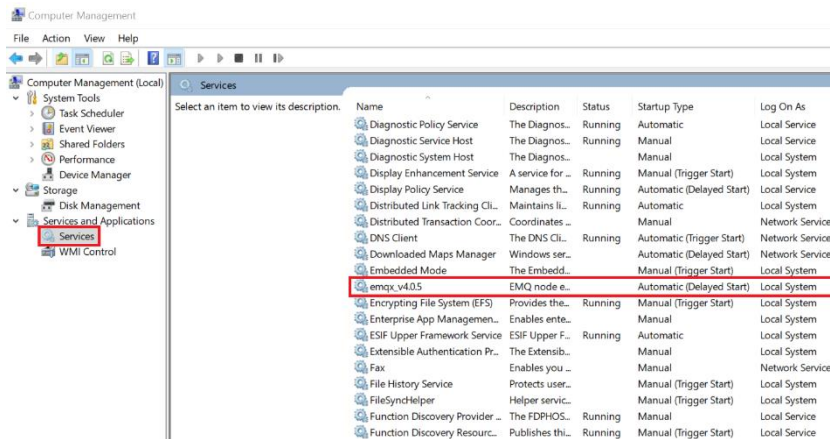


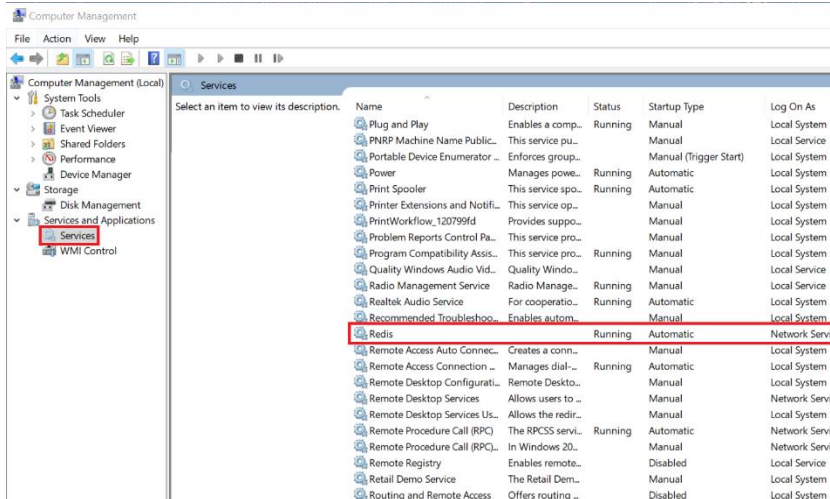
### 4. Restart the computer

After the computer is restarted, check if emq, MongoDB, nginx, Redis, mdmp are registered as Windows services:



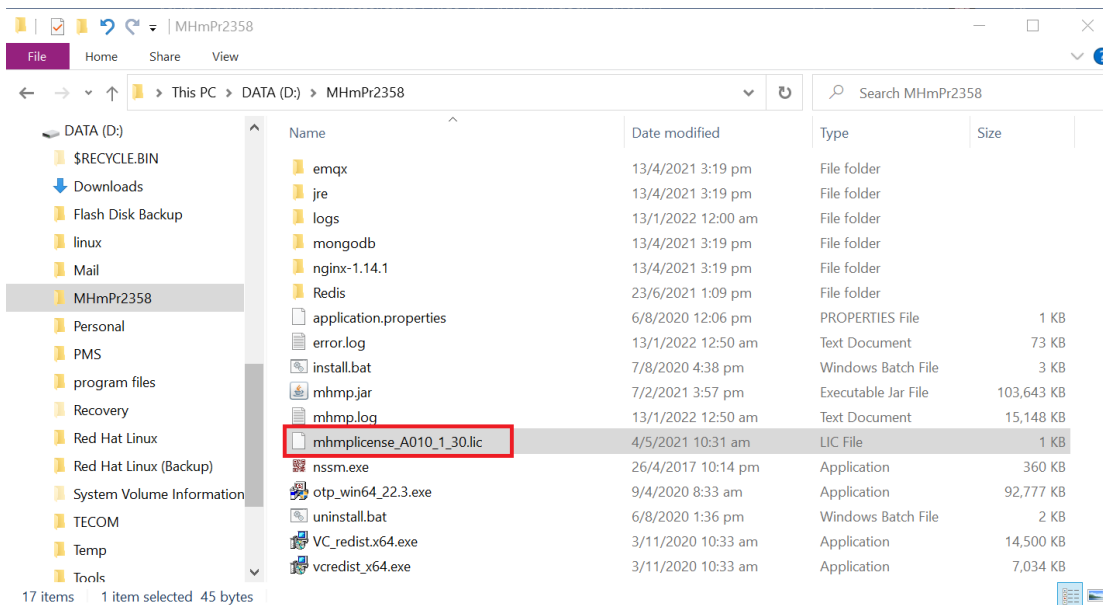
Attention: Please leave the emqx service "Automatic (Delayed Start)" Startup Type unchanged!



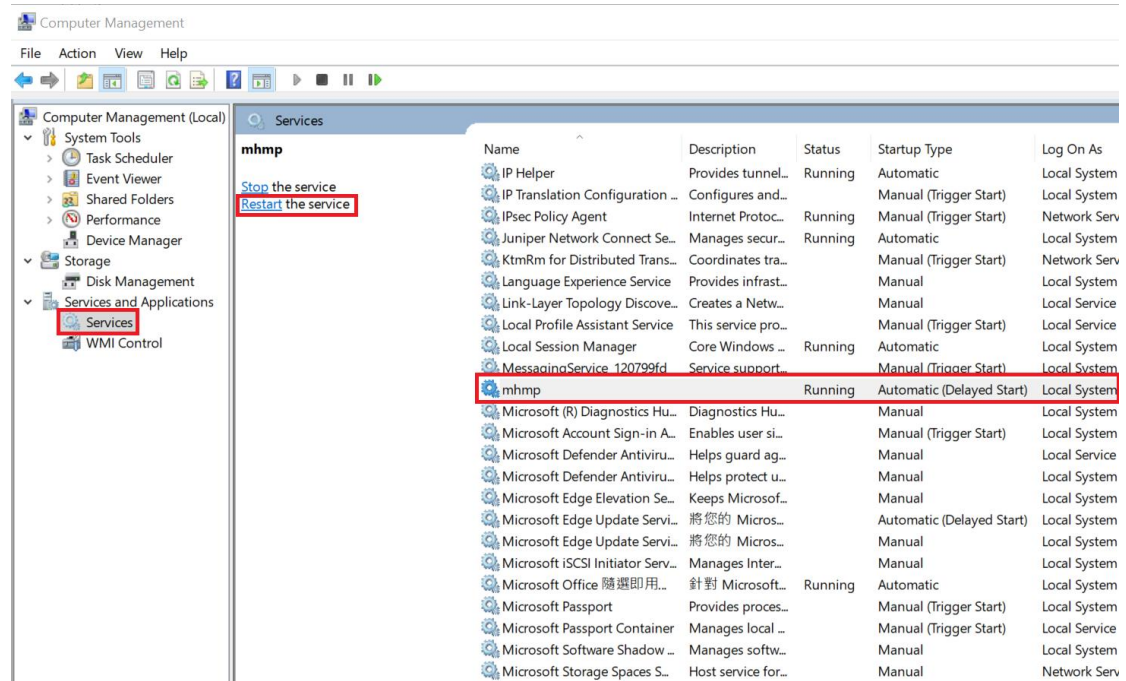


## 5. Copy the License file (Not Applicable to Trial Version)

Copy the License file (.lic file with name starts with mhmplicense) obtained from the MHm-P USB Keypro Flash disk to the top layer of the installation directory, which is in the same directory as the mhmp.jar file, as shown in the following figure:

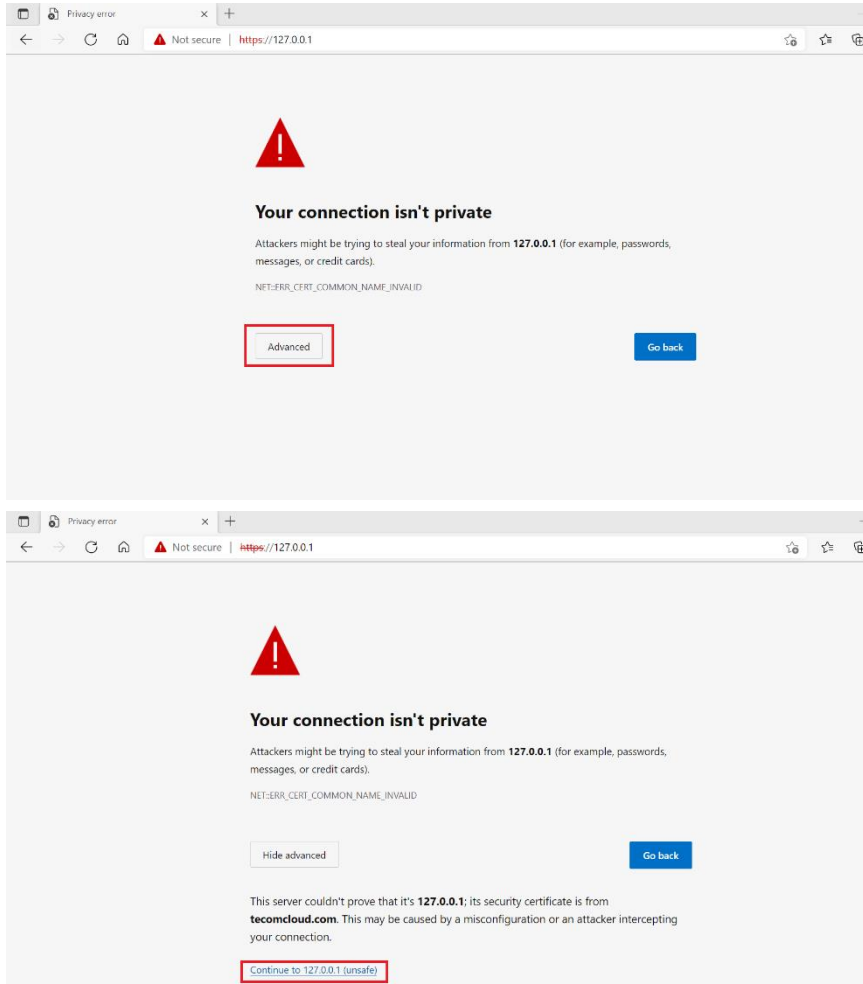


Then restart the mhmp service:

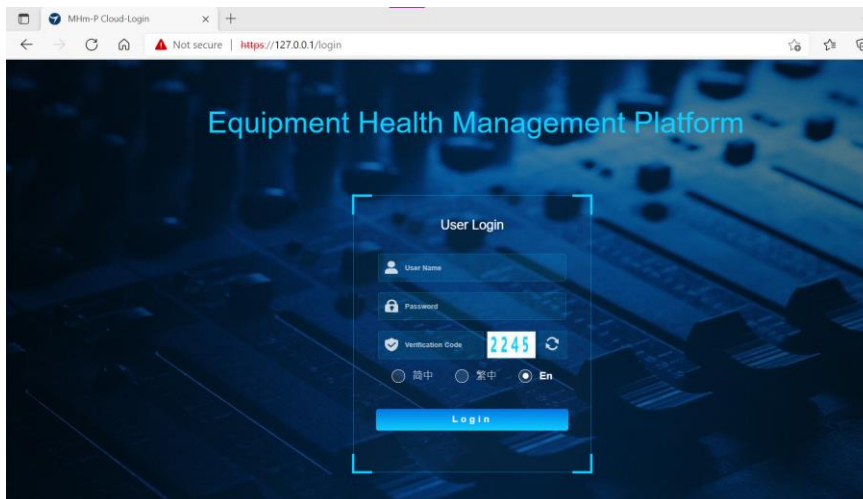


## 6. mhmp Service

After the mhmp service runs successfully, enter 127.0.0.1 in the URL bar of the local browser, it will be automatically redirected to <https://127.0.0.1>, as follows (different browsers may display differently)



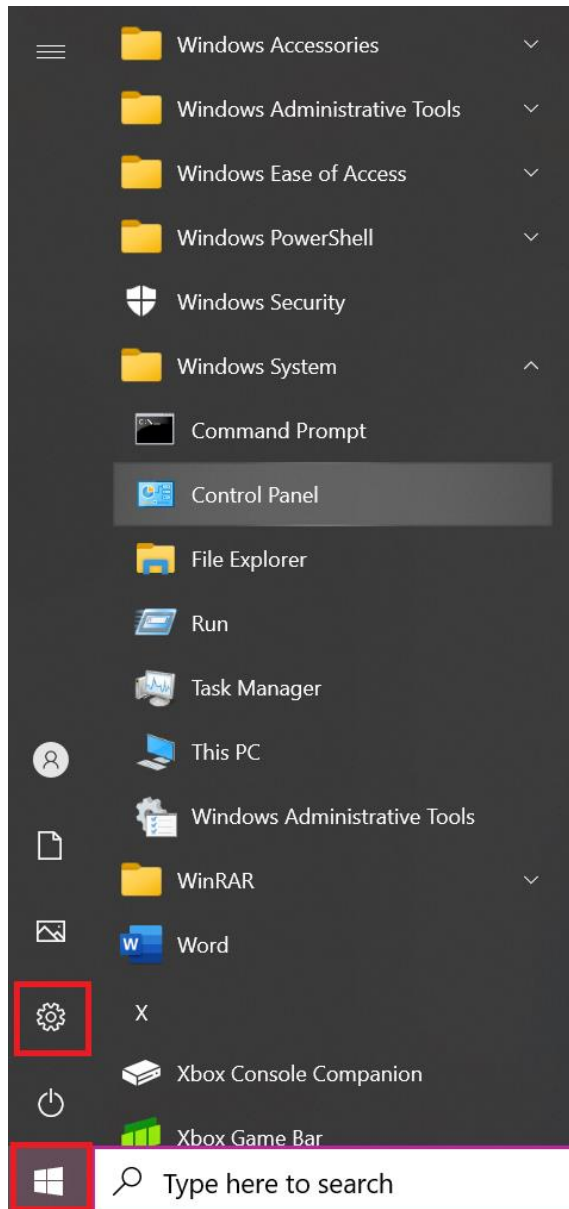
Don't worry if there is warning. Click "Advanced" and then "Continue to 127.0.0.1 (unsafe)". When the following log in page is shown, it means the installation is successfully.



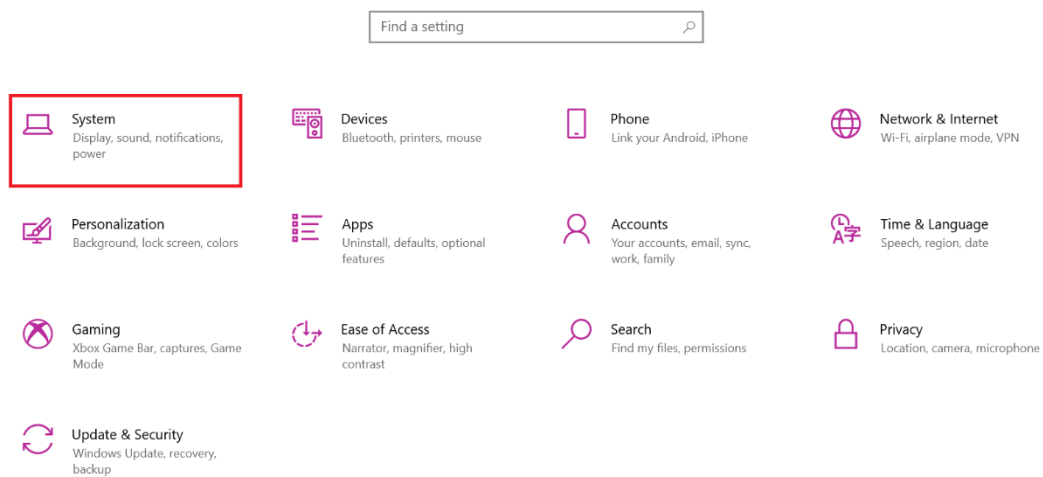
## 7. Power management settings

In order to ensure the normal use of the mhmp service, turn off the Sleep Mode setting in the power management of the computer is required. The mhmp service cannot be accessed after the computer enters Sleep Mode.

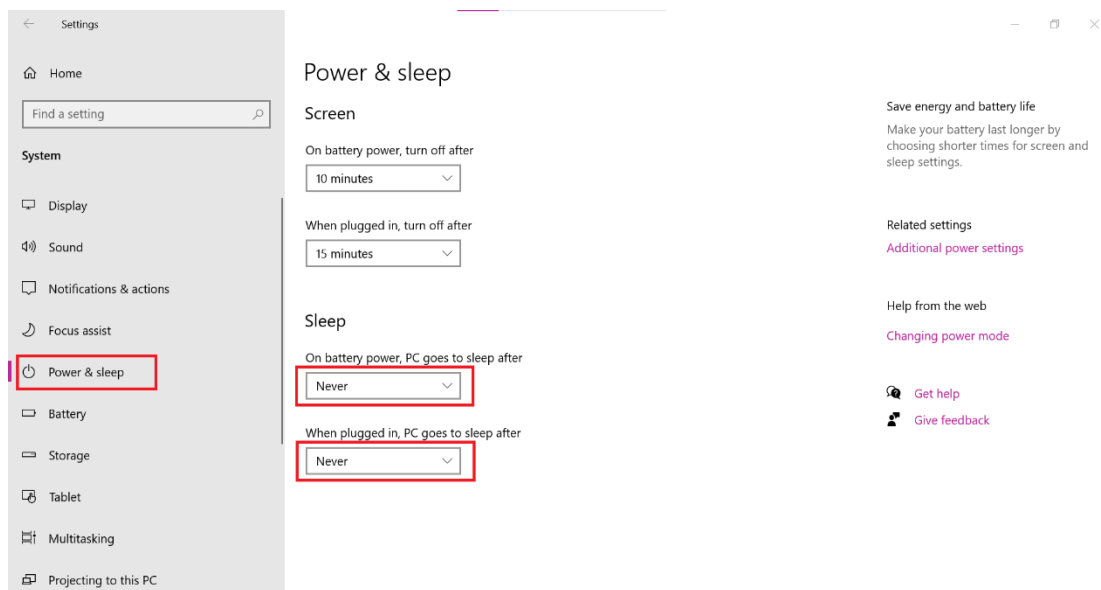
(1) Open the Windows start menu, find Settings and open:



(2) On the "Settings" page, go to "System"

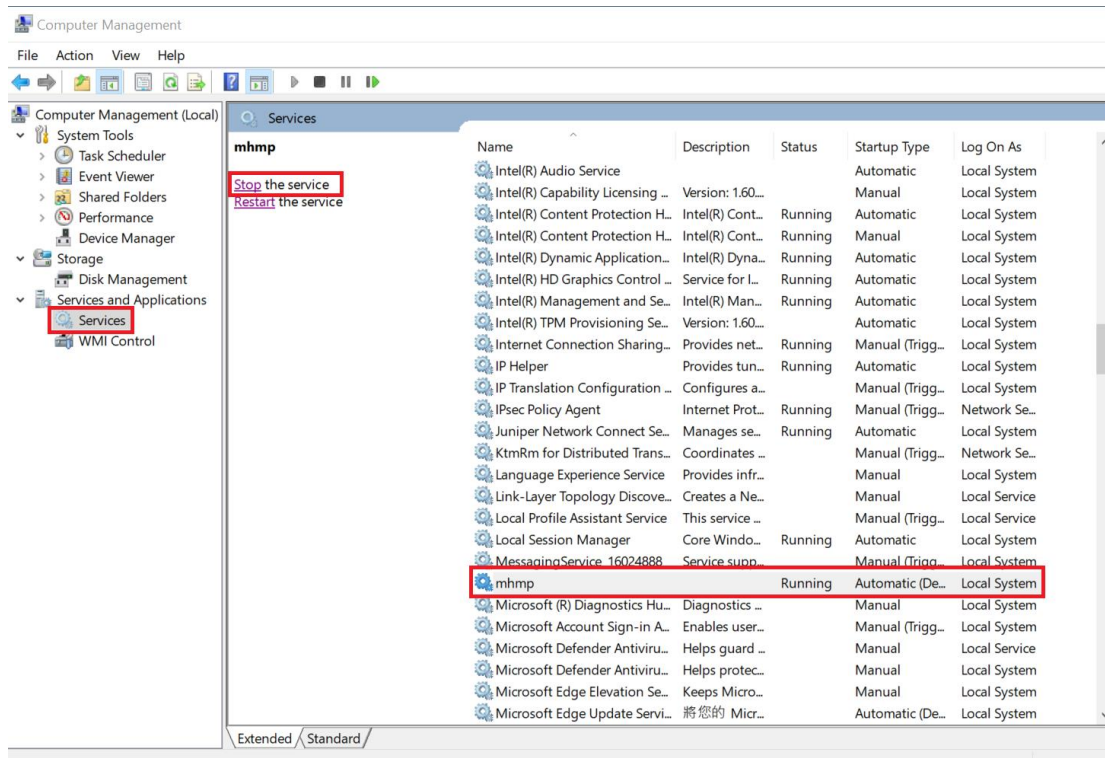


(3) On the "System" page, select "Power & sleep". Change the time for both "On battery power, PC goes to sleep after" and "When plugged in, PC goes to sleep after" to "Never" in Sleep Section.



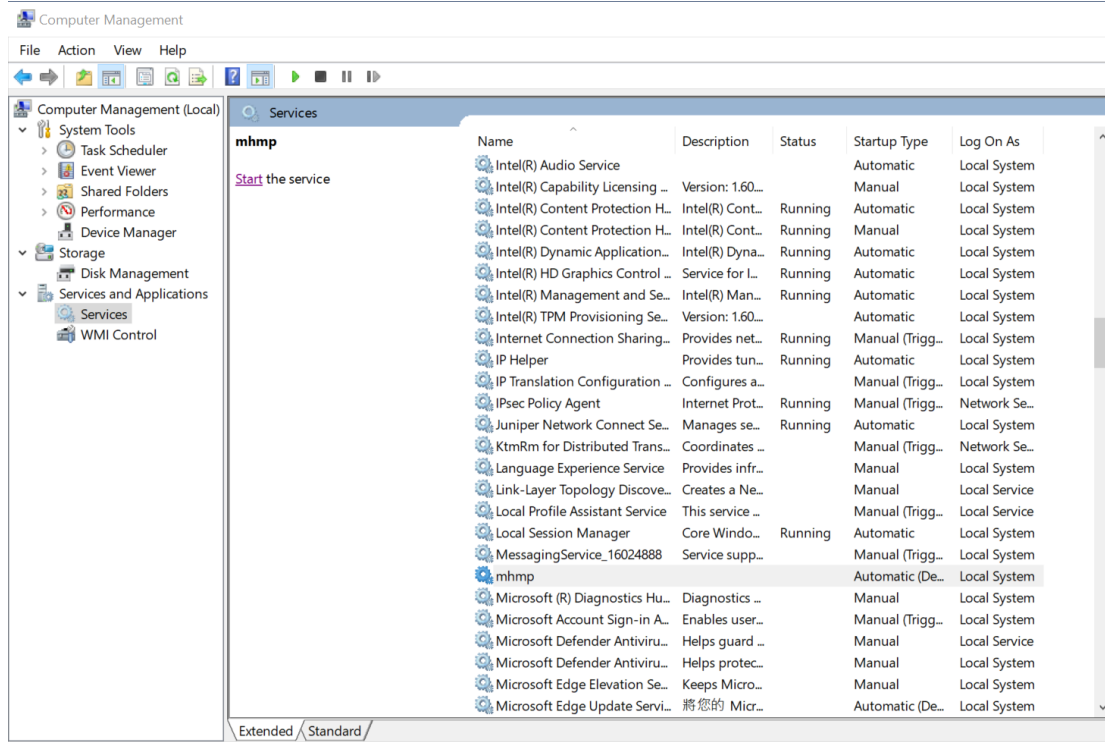
# D. MHm-P / MHm-KB new Software Upgrade

## 1. Stop mhmp service



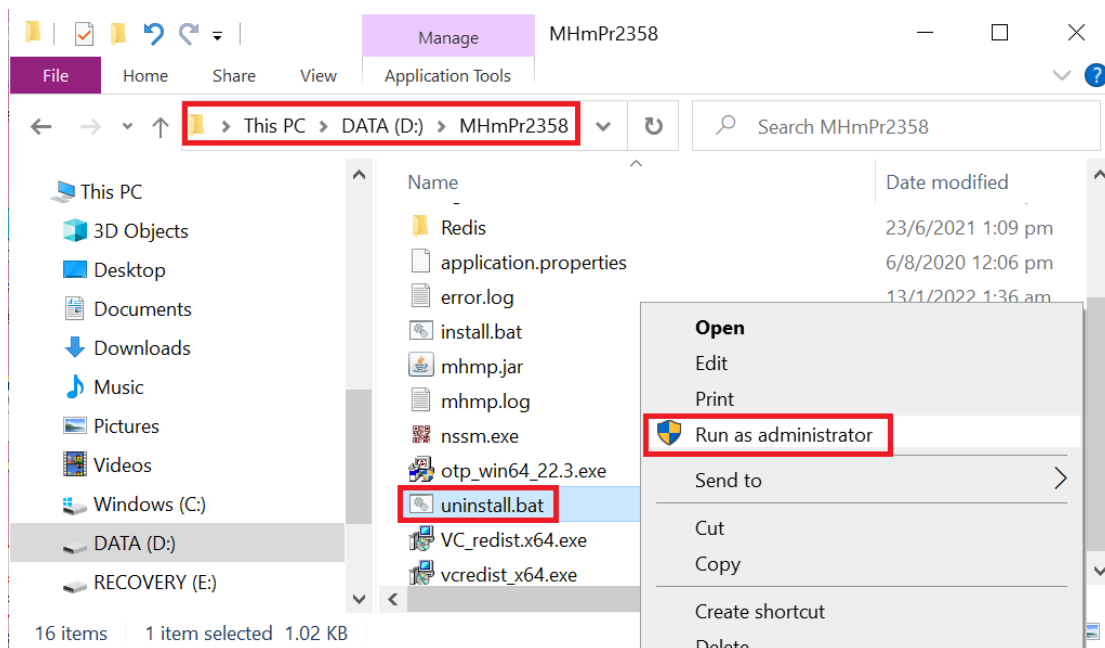
2. Copy the new mhmp.jar from the Installation Package of newer MHm-P / MHm-KB version to the MHmPr2358 directory (the example in this Installation Guide).

### 3. Start the mhmp service



## E. Uninstallation

1. Go to the MHmPr2358 directory (the example in this Installation Guide) and run the uninstall.bat batch files as an administrator



2. Restart the Computer

# F. Common problems and solutions

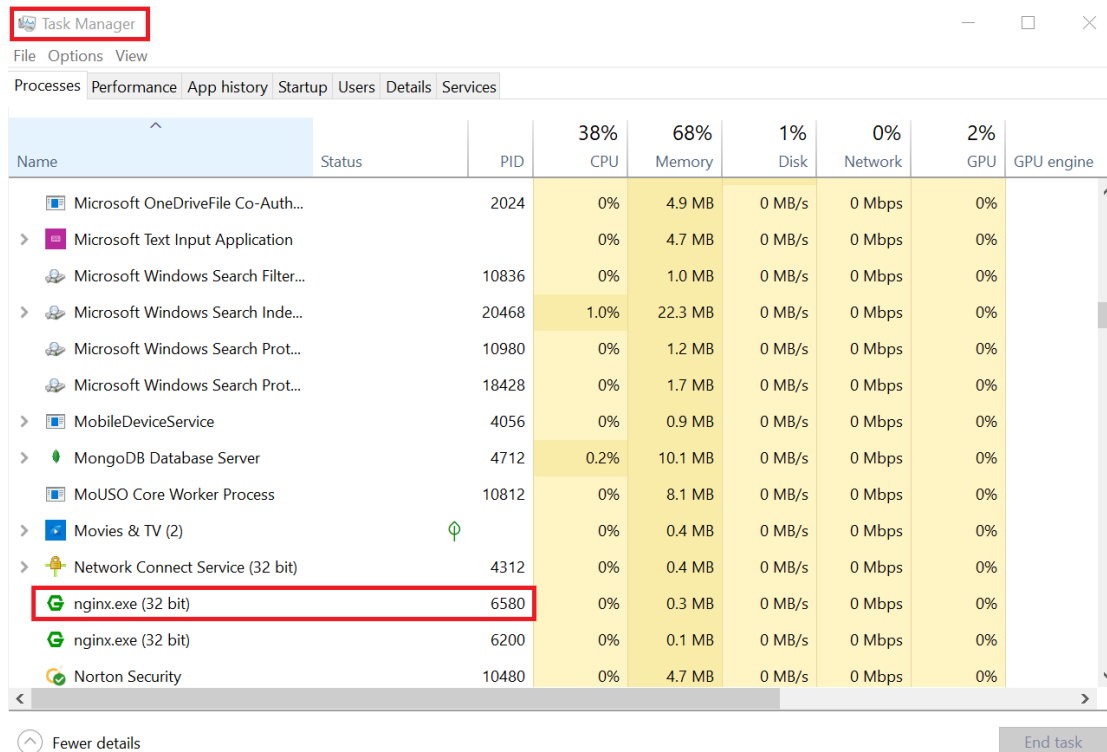
## 1. nginx Installation Failed

Most of the reasons for the failure of nginx installation are that port 80 is occupied.

- 1) First of all, check which process ID number is occupied by port 80 (In this case, port 80 is occupied by the process with ID number 6580):

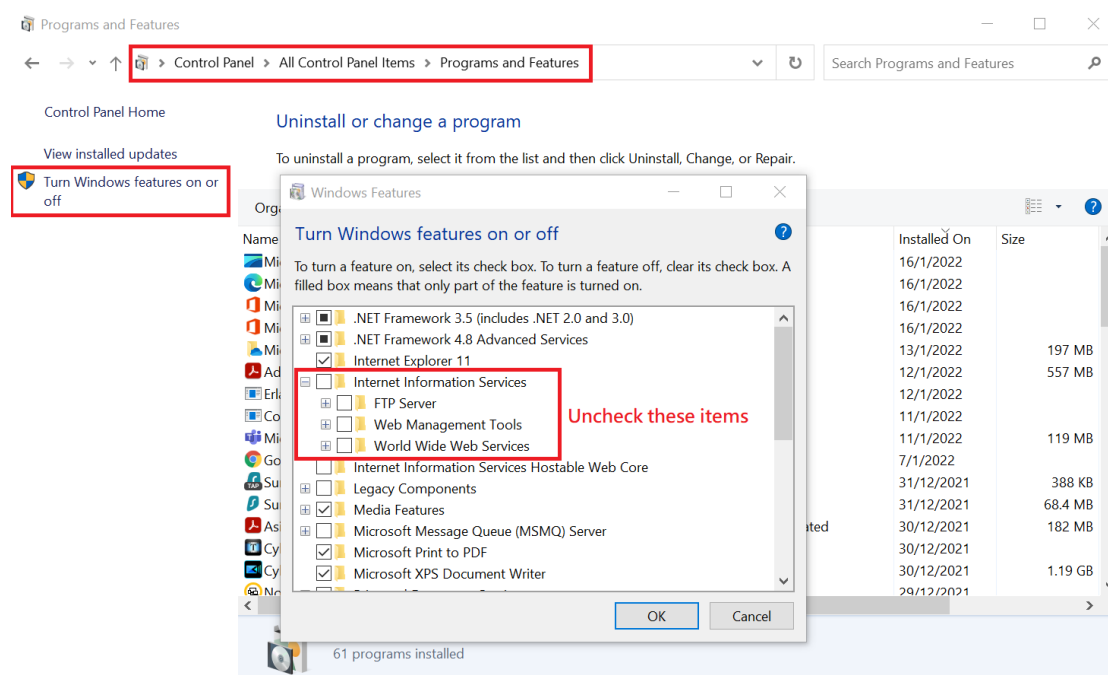
```
C:\Users>netstat -nao | findstr 80
TCP 0.0.0.0:80 0.0.0.0:0 LISTENING 6580
TCP 0.0.0.0:443 0.0.0.0:0 LISTENING 6580
TCP 0.0.0.0:7680 0.0.0.0:0 LISTENING 1420
TCP 0.0.0.0:8081 0.0.0.0:0 LISTENING 11712
TCP 0.0.0.0:8083 0.0.0.0:0 LISTENING 11712
TCP 0.0.0.0:8084 0.0.0.0:0 LISTENING 11712
TCP 0.0.0.0:18083 0.0.0.0:0 LISTENING 11712
TCP 0.0.0.0:49667 0.0.0.0:0 LISTENING 2280
TCP 127.0.0.1:6379 127.0.0.1:55480 ESTABLISHED 4728
TCP 127.0.0.1:55480 127.0.0.1:6379 ESTABLISHED 11712
TCP 127.0.0.1:63079 127.0.0.1:63080 ESTABLISHED 11536
TCP 127.0.0.1:63080 127.0.0.1:63079 ESTABLISHED 11536
TCP 192.168.0.15:52012 117.18.237.29:80 CLOSE_WAIT 15820
TCP 192.168.0.15:55629 34.104.35.123:80 SYN_SENT 4852
TCP 192.168.0.15:58063 117.18.232.200:443 CLOSE_WAIT 12504
TCP 192.168.0.15:58076 51.132.193.105:443 TIME_WAIT 0
TCP 192.168.0.15:58123 117.18.237.29:80 TIME_WAIT 0
TCP 192.168.0.15:61501 203.205.239.142:8080 ESTABLISHED 11536
```

- 2) Find the program name according to the process ID number. If it is not nginx, uninstall the program.



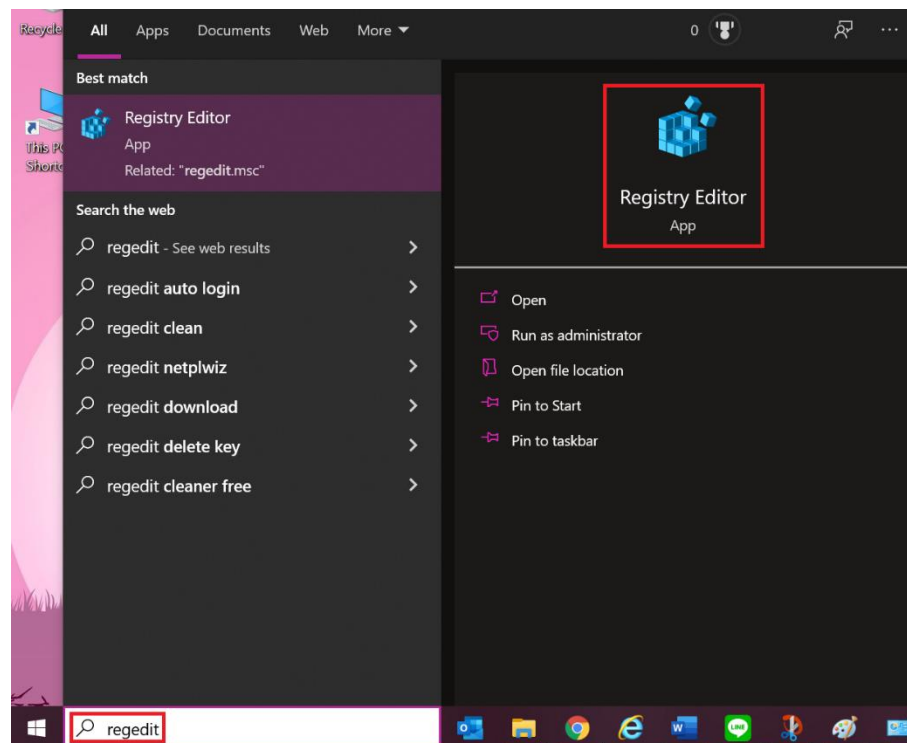
- 3) If the process ID number is 4, the program name may not be found according to the process ID number. At this time, please check whether the following services are installed, and if so, please uninstall them all: SQL Server, Apache, VMWare, Internet Information Service (IIS).

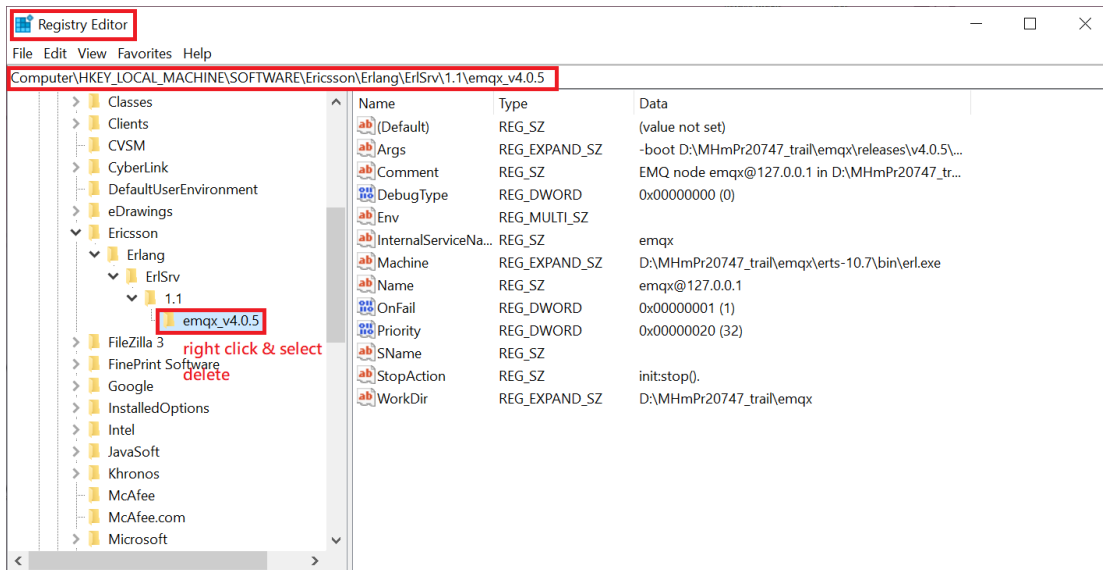
Attention: The uninstallation method of IIS is special, as shown in the following figure:



## 2. emqx Installation Failed

The reason for the failure of Emqx installation is mostly because the previously installed emqx has not been uninstalled completely. At this time, open the Registry Editor, find HKEY\_LOCAL\_MACHINE\SOFTWARE\Ericsson\Erlang\ErlSrv\1.1\emqx\_v4.0.5, and delete it.





### 3. Other Services Installation Failed

Most of the reasons for other service installation failures are due to insufficient permissions when executing install.bat. Please make sure to run the install.bat batch file as an administrator.

### 4. Service Uninstallation Failed

Most of the reasons for service uninstallation failure are insufficient permissions when executing uninstall.bat. Make sure to run the uninstall.bat batch file as an administrator.