

SD4FH Series DVRs WIFI Download Installation Manual

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35+ Years of Mobile Digital Sales & Service Experience

1. Requirement

1.1 System server requirements









- 1> windows system, requires 64-bit, .net requires version 4.0 or above
- 2> Hardware configuration The test machine needs at least a dual-core, 4G memory configuration
- 3> The public network port that the server needs to open:
Do port mapping: 8101 to 8105,9001 to 9010,60000 to 60020 and 2128089,8080,8087,8086,both UDP and TCP.
And MDVR needs to upgrade special firmware; our technician will provide it.

1.2 Software requirements

- 1>JDK environment jdk_8.0.1310.11_64 version
- 2>Tomcat requires version 8.0 and above
- 3> DVR_SERVE software
- 3> Mysql database version 5.7 or above
- 4> Navicat 12 for remote connection to the database
- 5> FTP server and client software x64bit
- 6>Notepad editor npp.7.8.1.Installer.x64 is mainly for the convenience of editing the configuration file.

2. JDK installation

1.Unzip the installation file to your local folder

	web-app	2020/1/14 10:34
	6. FileZilla_Server-0_9_60_2.exe	2019/4/17 10:16
	7. FileZilla_3.34.0-rc1_win64-setup.exe	2018/6/11 9:48
	Apache-tomcat-8.5.39.exe	2019/4/8 16:52
	DVR_Server setup V3.06.2.20.01.14.exe	2020/1/14 10:32
	jdk-8u231-windows-x64.exe	2020/1/13 13:49
	Mysql-installer-community-5.7.15.0.msi	2019/1/9 18:26
	Navicat112_premium_cs_x64.exe	2018/8/24 17:56

- Install Mysql database(version 5.7 or above) and DVR_Server. Make sure the DVR_SERVER server is running well; if you have not installed it yet, you can follow another manual “MDVR connect the DVR_Server,”

2.Install JDK

web-app	2020/1/14 10:34
6. FileZilla_Server-0_9_60_2.exe	2019/4/17 10:16
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Sometimes the installation fails due to the windows environment; pls download it from the internet. Here is the link :

<https://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html>

Java SE Development Kit 8u202

You must accept the [Oracle Binary Code License Agreement for Java SE](#) to download this software.

1 ☒ Accept License Agreement ☐ Decline License Agreement

Product / File Description	File Size	Download
Linux ARM 32 Hard Float ABI	72.86 MB	jdk-8u202-linux-arm32-vfp-hflt.tar.gz
Linux ARM 64 Hard Float ABI	69.75 MB	jdk-8u202-linux-arm64-vfp-hflt.tar.gz
Linux x86	173.08 MB	jdk-8u202-linux-i586.rpm
Linux x86	187.9 MB	jdk-8u202-linux-i586.tar.gz
Linux x64	170.15 MB	jdk-8u202-linux-x64.rpm
Linux x64	185.05 MB	jdk-8u202-linux-x64.tar.gz
Mac OS X x64	249.15 MB	jdk-8u202-macosx-x64.dmg
Solaris SPARC 64-bit (SVR4 package)	125.09 MB	jdk-8u202-solaris-sparcv9.tar.Z
Solaris SPARC 64-bit	88.1 MB	jdk-8u202-solaris-sparcv9.tar.gz
Solaris x64 (SVR4 package)	124.37 MB	jdk-8u202-solaris-x64.tar.Z
Solaris x64	85.38 MB	jdk-8u202-solaris-x64.tar.gz
Windows x86	201.64 MB	jdk-8u202-windows-i586.exe
Windows x64	211.58 MB	jdk-8u202-windows-x64.exe

Just click the next step to finish. installation

1> About how to configure the JDK environment variables, you can search online. By default, JDK is installed, and the environment variable configuration is already included;

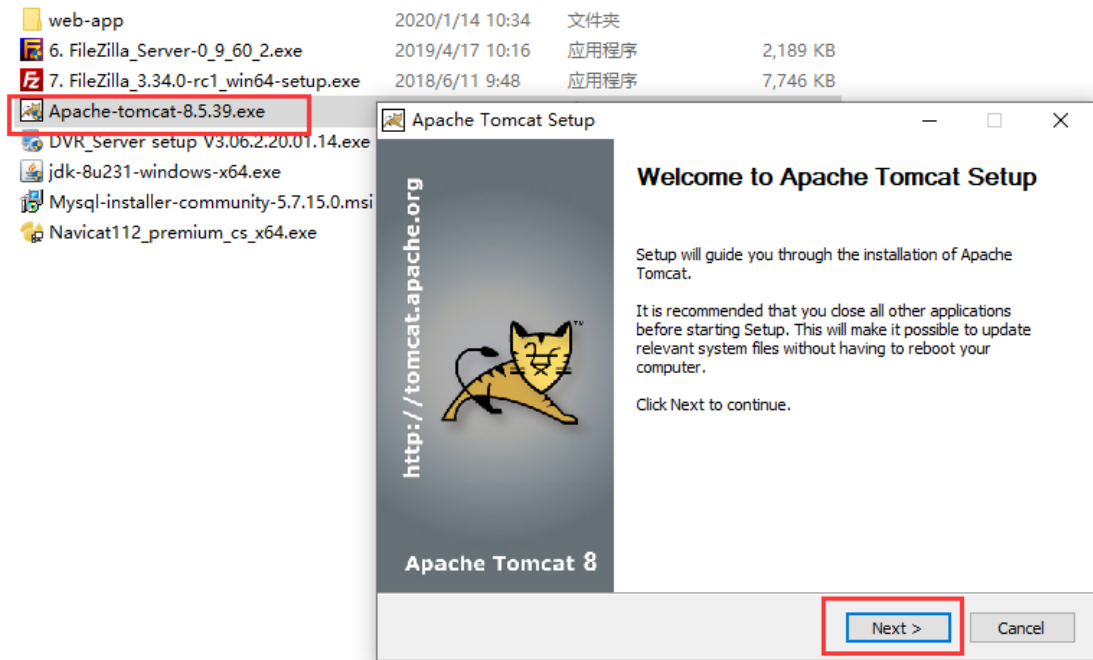
2> Verify that the environment has been configured, run "cmd" enter java -version, if the java version is displayed successfully. As shown below

```
C:\Users\lenovo>java -version
java version "1.8.0_131"
Java(TM) SE Runtime Environment (build 1.8.0_131-b11)
Java HotSpot(TM) 64-Bit Server VM (build 25.131-b11, mixed mode)

C:\Users\lenovo>
```

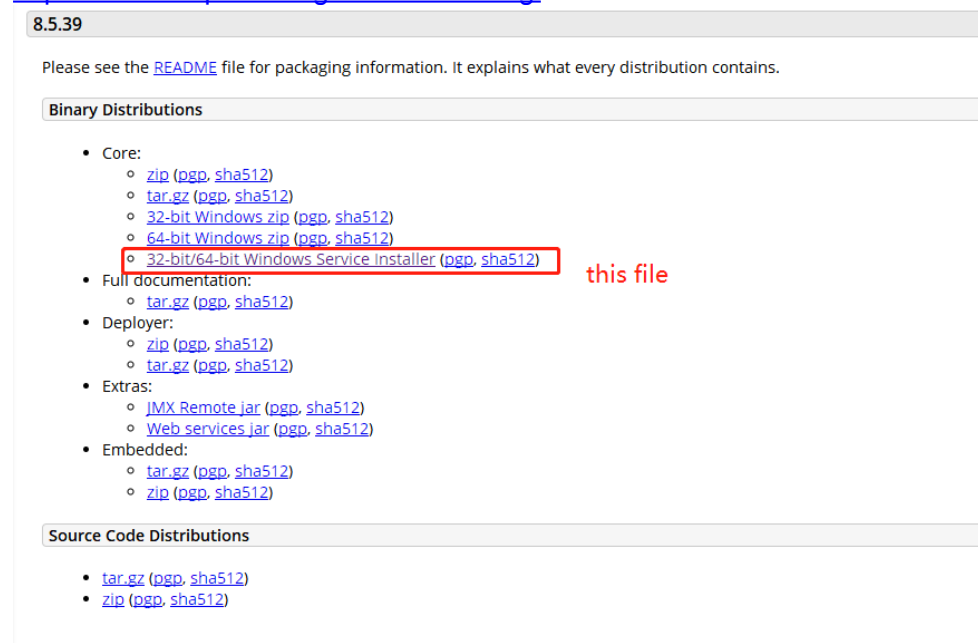
3. Tomcat installation

Just click the next step to finish. installation

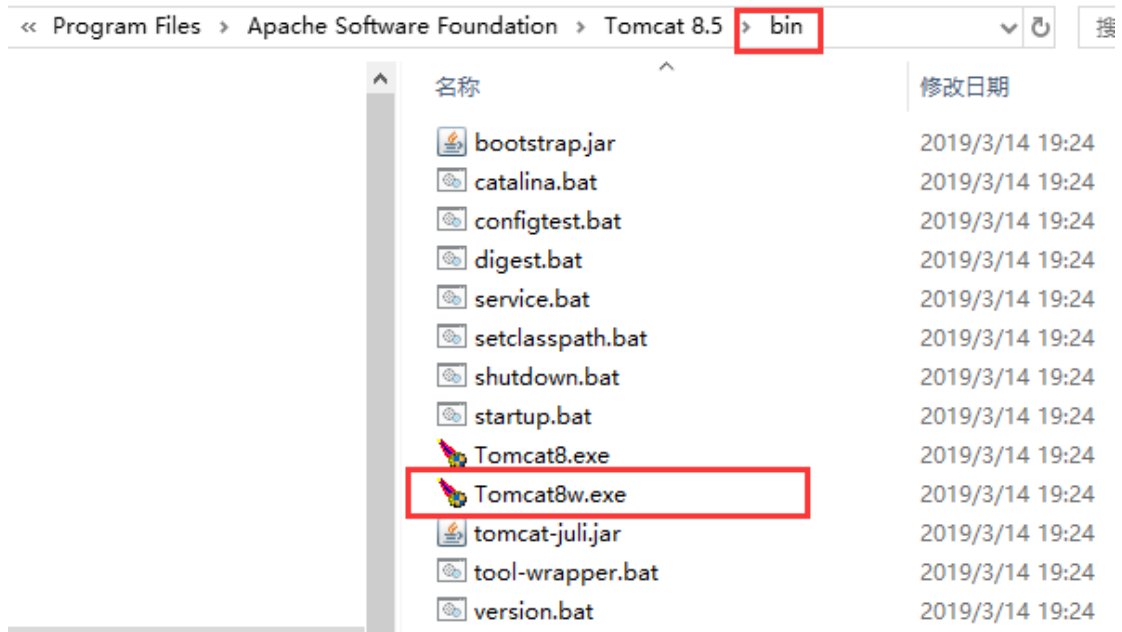


Sometimes the installation fails due to the windows environment; pls download it from the internet. Here is the link :

<https://tomcat.apache.org/download-80.cgi>

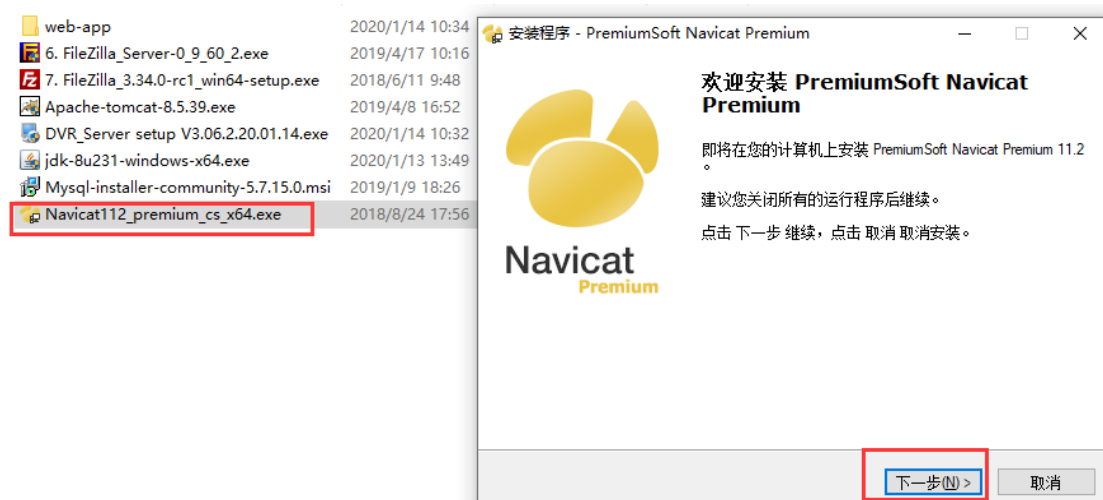


You can start the service in the “BIN” folder under the installation directory when the installation is successful.



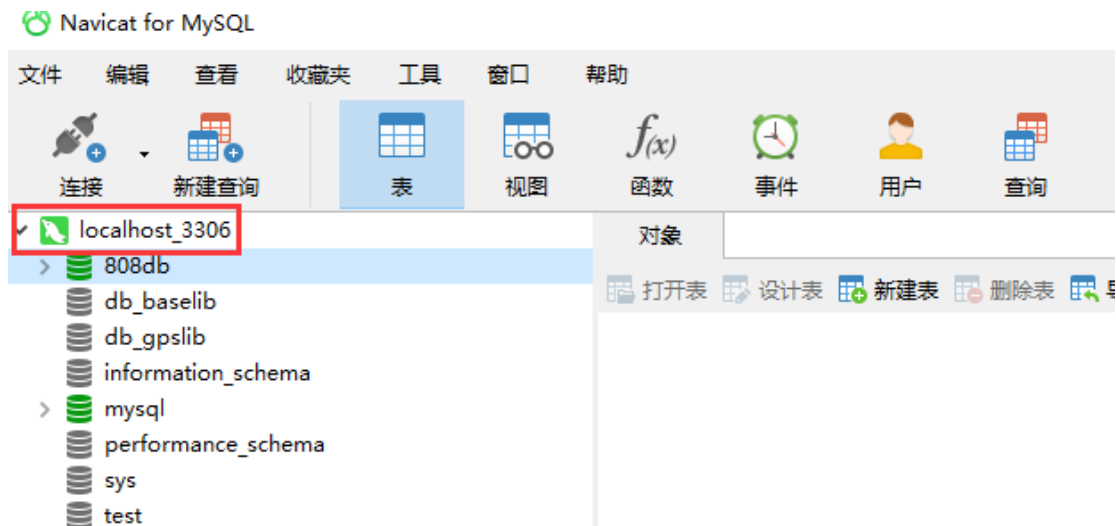
4. Navicat installation

Just click the next step to finish. installation



Connect to the database using the Navicat tool, Local connection, and enter the username and password of the Mysql database.

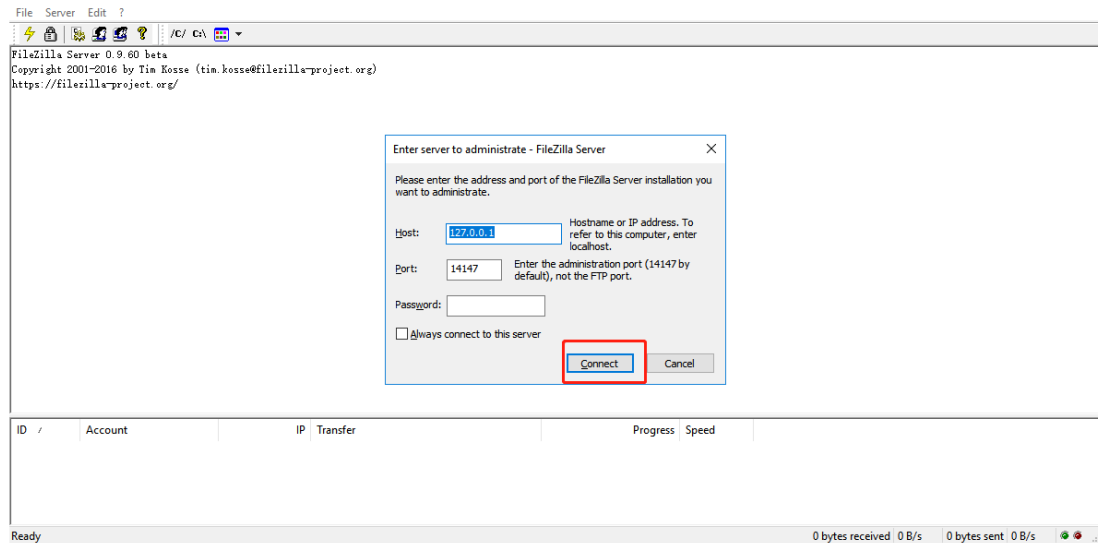
5.



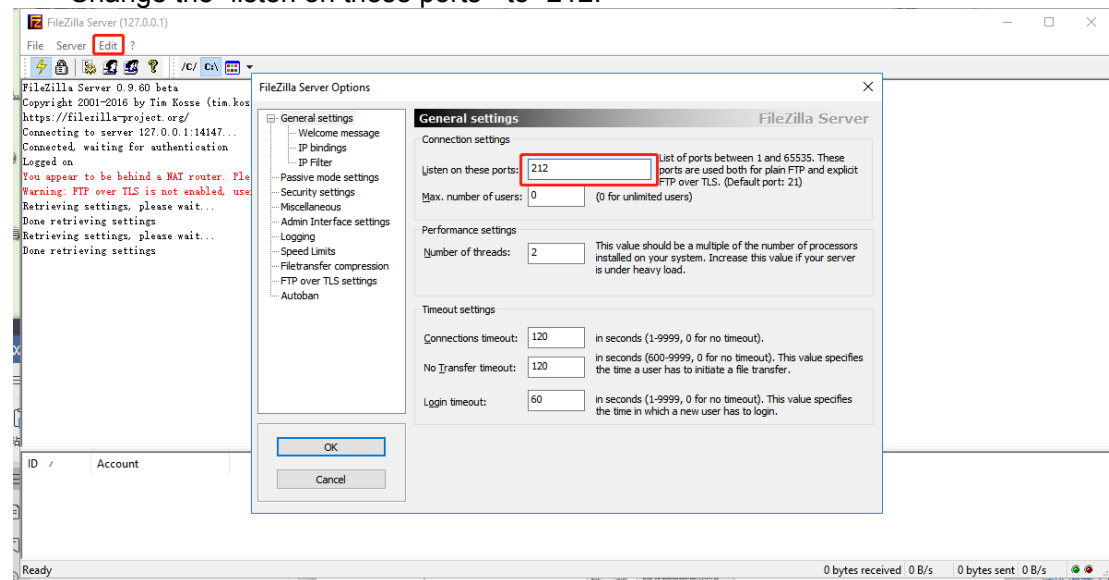
5. FTP server and client installation

web-app	2020/1/14 10:34
FileZilla_Server-0_9_60_2.exe	2019/4/17 10:16
FileZilla_3.34.0-rc1_win64-setup.exe	2018/6/11 9:48
Apache-tomcat-8.5.39.exe	2019/4/8 16:52
DVR_Server setup V3.06.2.20.01.14.exe	2020/1/14 10:32
jdk-8u231-windows-x64.exe	2020/1/13 13:49
Mysql-installer-community-5.7.15.0.msi	2019/1/9 18:26
Navicat112_premium_cs_x64.exe	2018/8/24 17:56

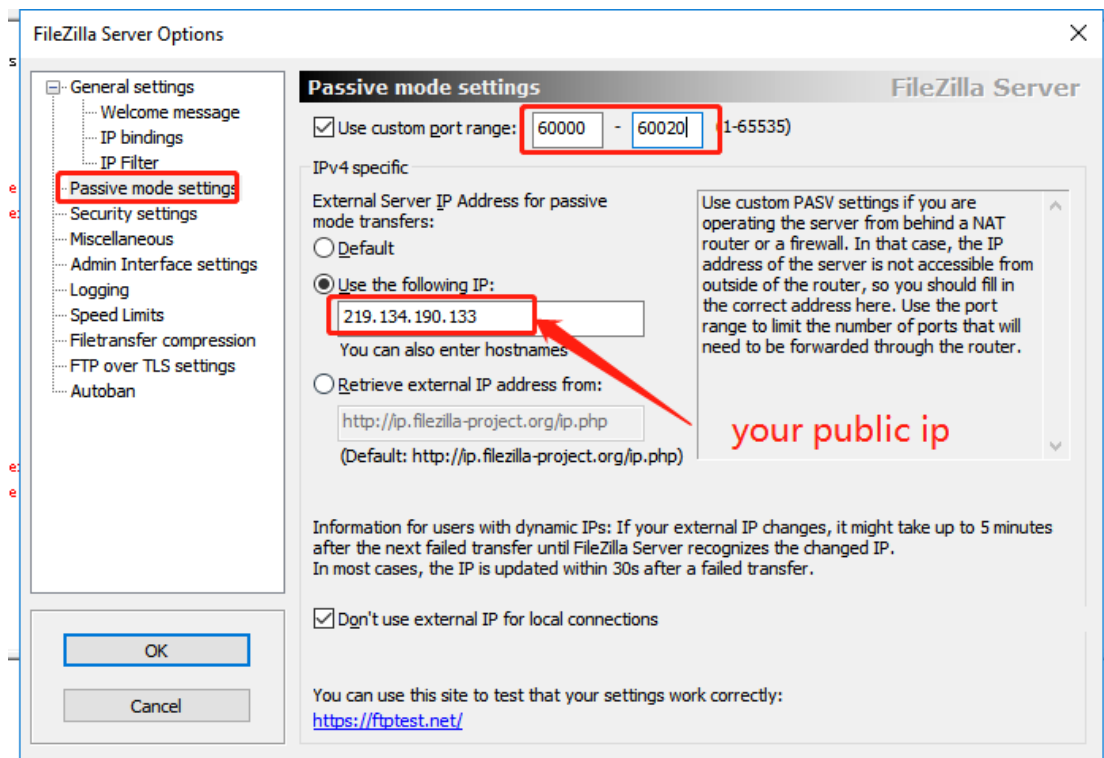
- 1) Install FileZilla Server Interface; just keep the default set to install
- 2) After you open your FileZilla Server interface, it will show below :
Nothing to change. Just click connect



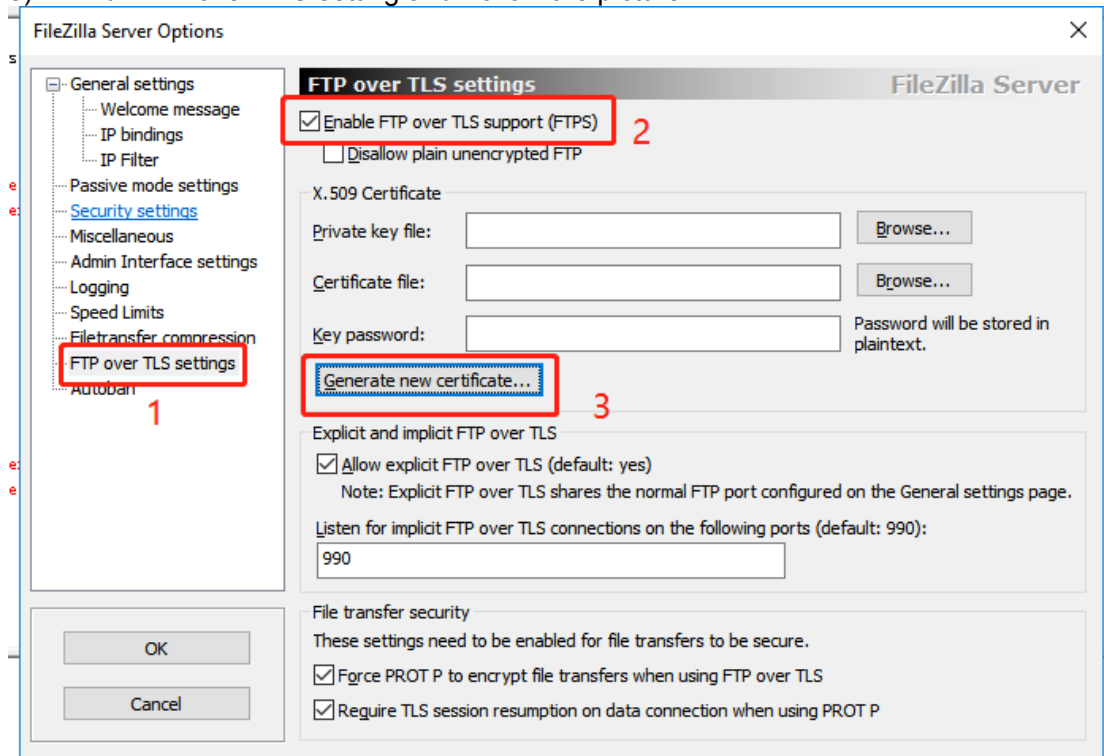
- 3) Open "Edit," click "settings," it will show below :
Change the "listen on these ports " to "212."



- 4) Find "passive mode setting," select "Use custom port range," and set "60000-60020." Select "use the following Ip "and set your public Ip (if you have done port mapping)



5) Find "FTP over TLS setting and" follow the picture.



6) Set the "Generate new certificate. "

This dialog will help you to create a new private key and a self-signed certificate, needed by FileZilla Server to accept TLS connections.

Please fill out the required information. Wrong or missing information may confuse clients.

Key size: ☒ 1280 bit ☐ 2048 bit ☐ 4096 bit

2-Digit country code:

Full state or province: **1 set this**

Locality (City):

Organization:

Organization unit:

Contact E-Mail:

Common name (Server address):

Save key and certificate to this file:

Generating the certificate may take some time depending on the key size.

2

7) Then click "ok" to quit.

FileZilla Server Options

General settings
 Welcome message
 IP bindings
 IP Filter
 Passive mode settings
 Security settings
 Miscellaneous
 Admin Interface settings
 Logging
 Speed Limits
 Filetransfer compression
 FTP over TLS settings
 Autoban

FTP over TLS settings FileZilla Server

☒ Enable FTP over TLS support (FTPS)
☐ Disallow plain unencrypted FTP

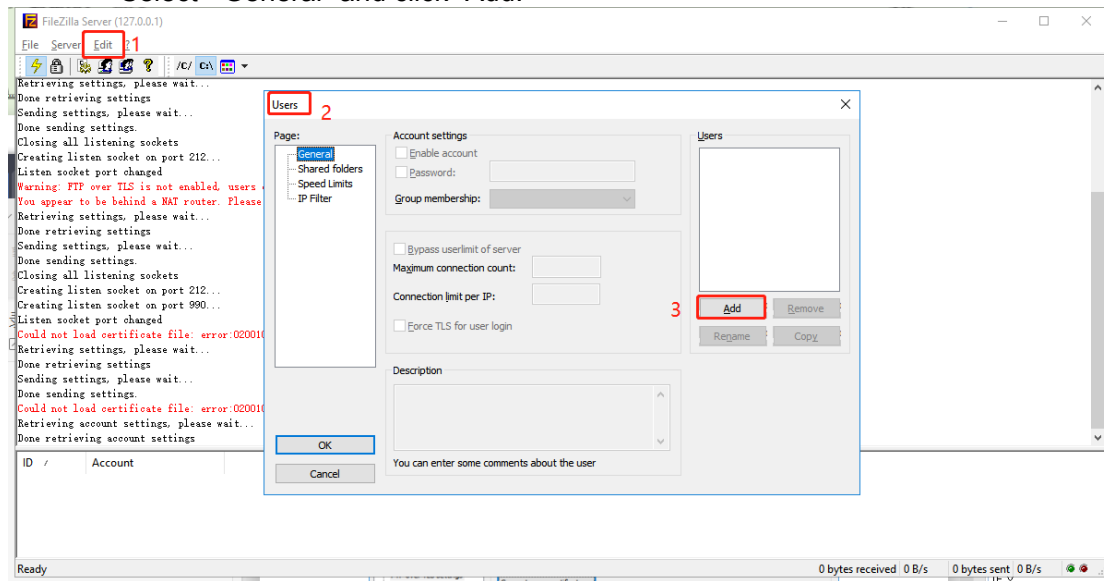
X.509 Certificate
 Private key file:
 Certificate file:
 Key password:
 Password will be stored in plaintext.

Explicit and implicit FTP over TLS
☒ Allow explicit FTP over TLS (default: yes)
 Note: Explicit FTP over TLS shares the normal FTP port configured on the General settings page.
 Listen for implicit FTP over TLS connections on the following ports (default: 990):

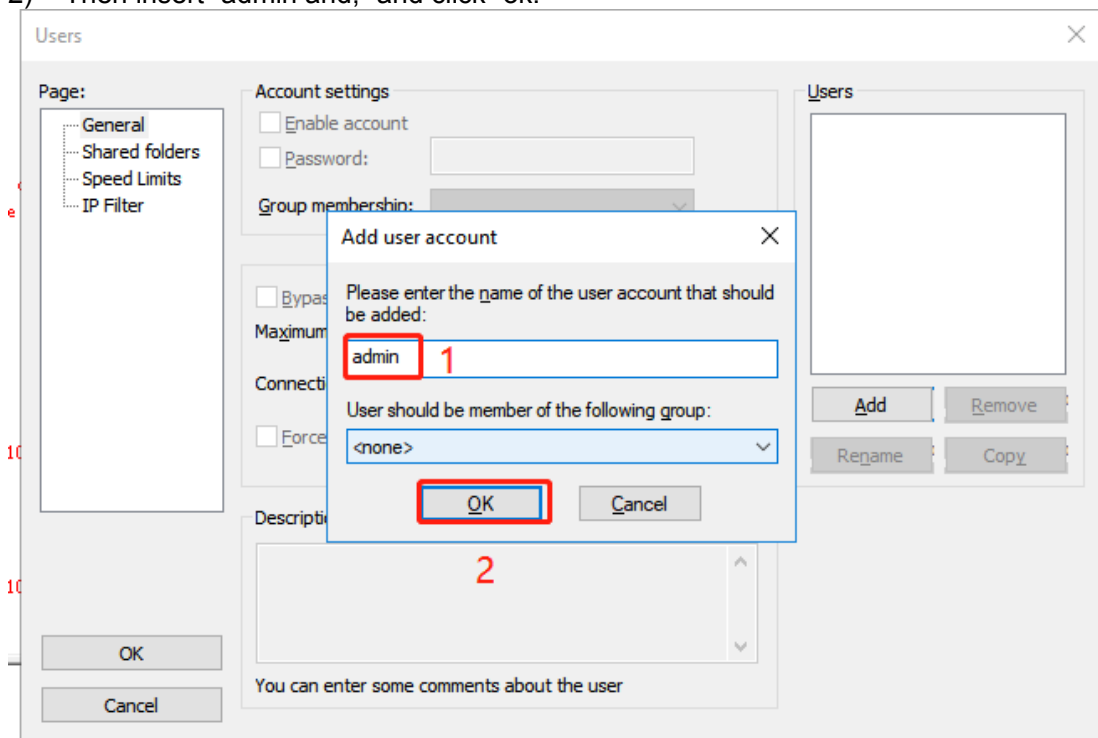
File transfer security
 These settings need to be enabled for file transfers to be secure.
☒ Force PROT P to encrypt file transfers when using FTP over TLS
☒ Require TLS session resumption on data connection when using PROT P

Set “users” page :

- 1) Open “Edit,” click “user,” it will show below :
Select “General” and click “Add.”

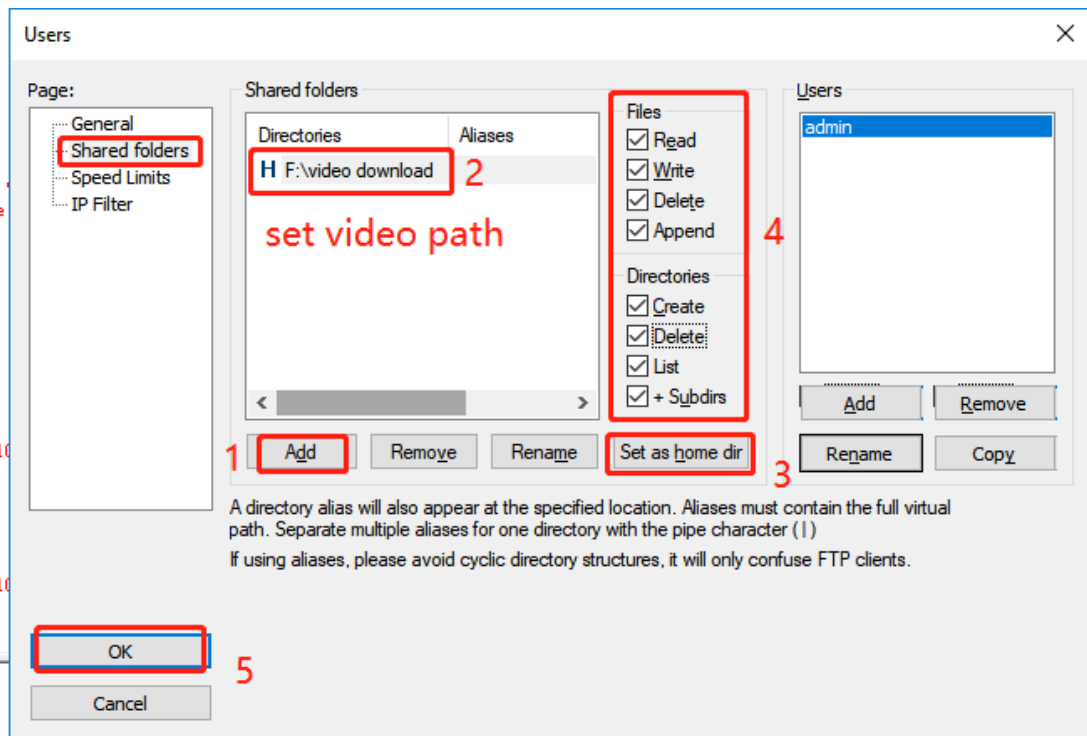
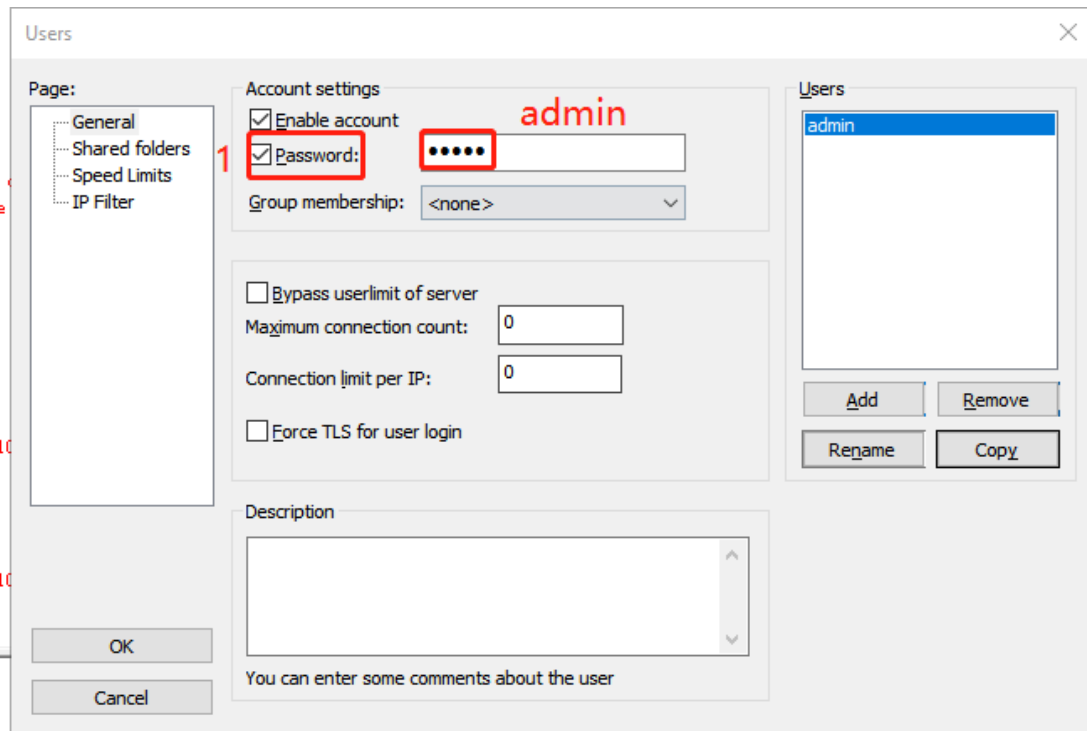


- 2) Then insert “admin and,” and click “ok.”

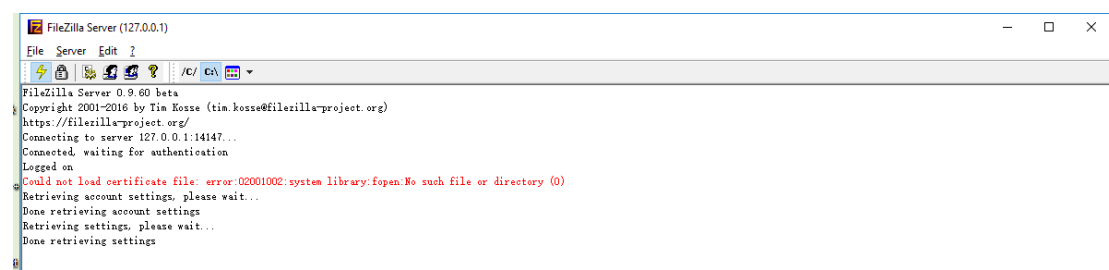


- 3) Select “password,” insert “admin.”

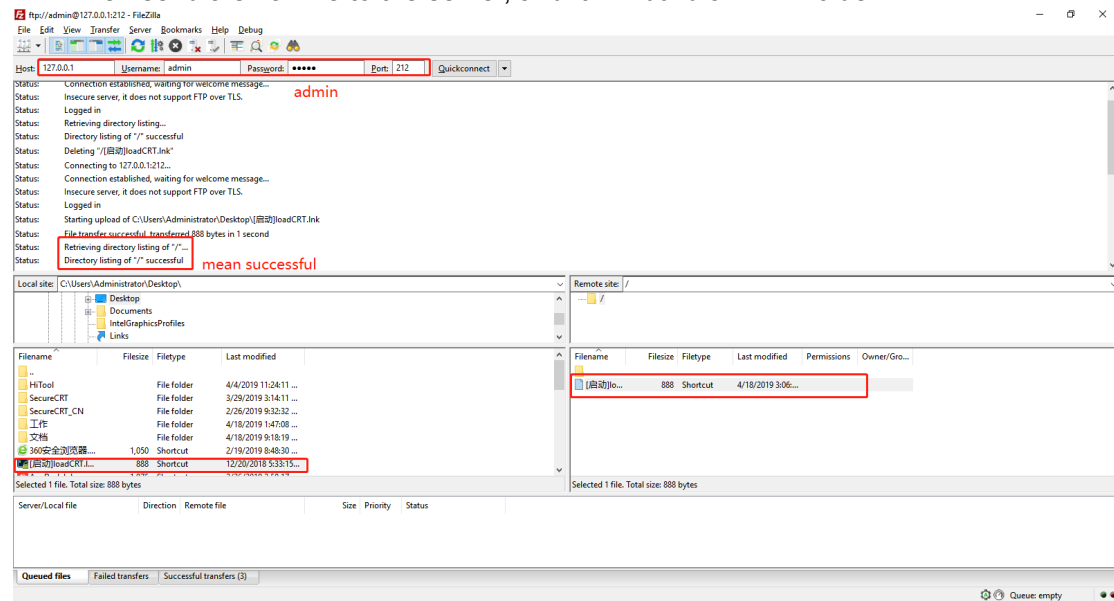
- 4) Select “shared folders and,” and follow the picture.



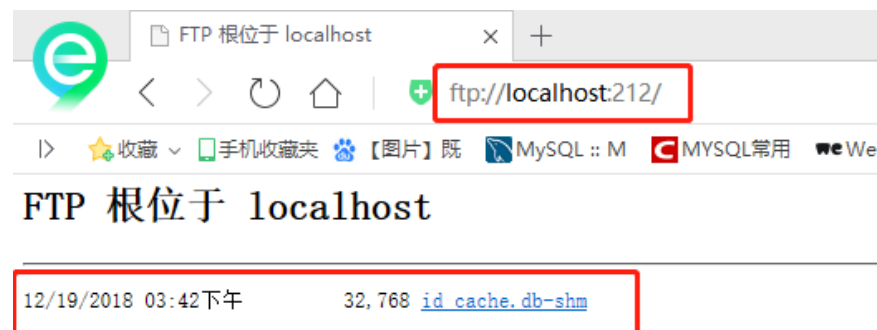
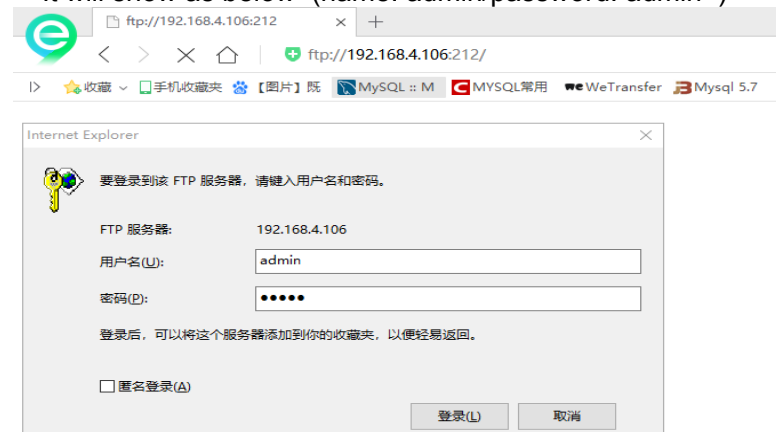
5) Then it will return to this page.



- 6) Open the Filezilla, and input your server IP and name, pass, and port. See the picture
Then send a small file to the server, and it will build an FTP folder.

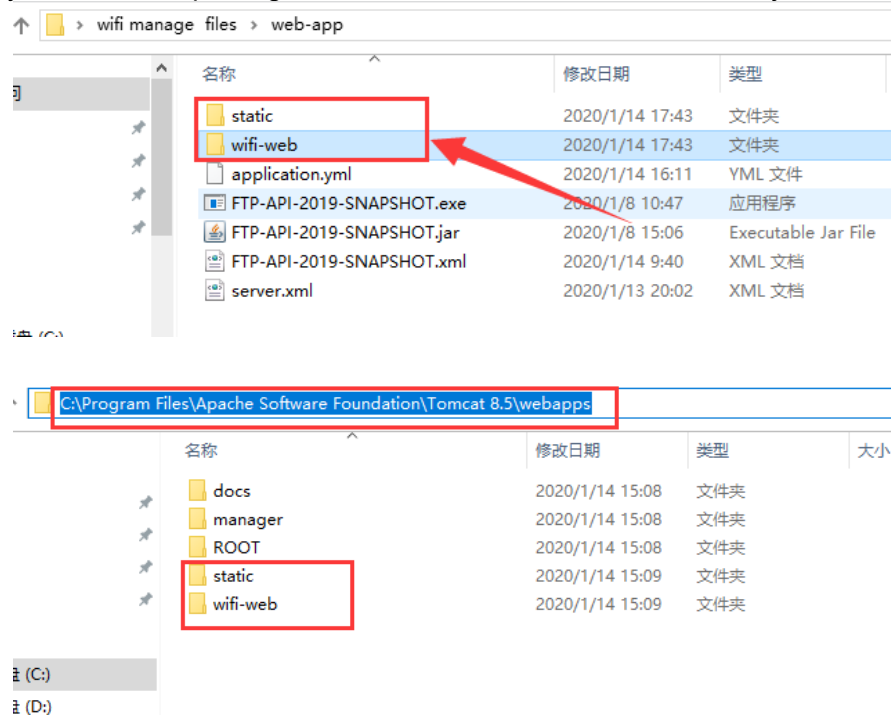


- 7) Type "FTP:// public IP:212/" in your browser. such as ftp://localhost:212/
It will show as below (name: admin/password: admin)

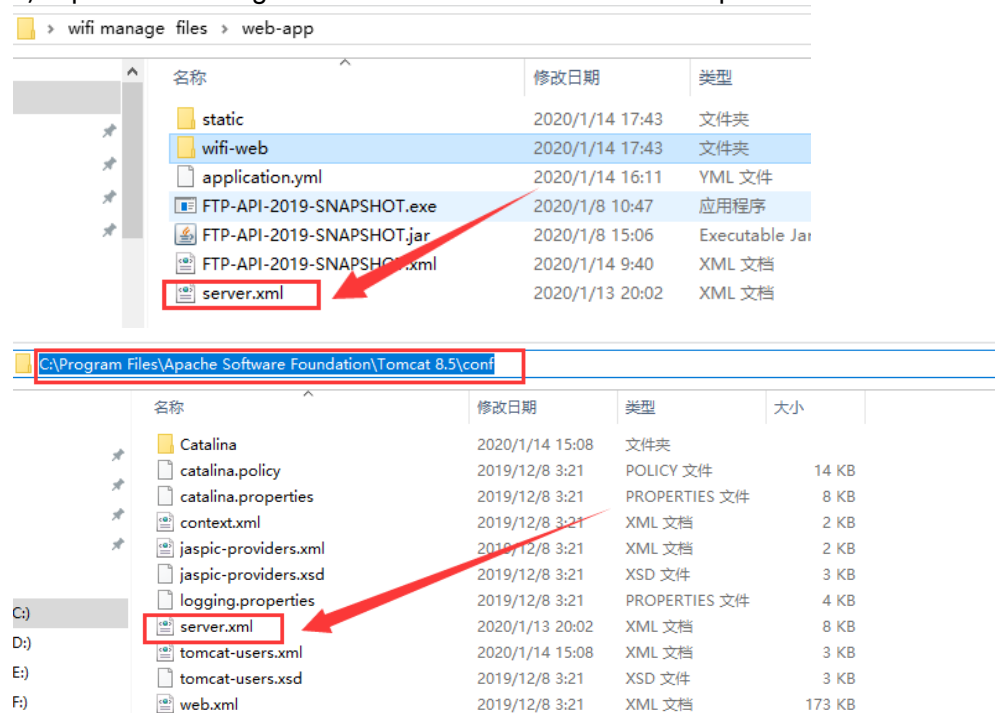


6. Create a web management interface

1) Copy the resource package to the Tomcat installation root directory

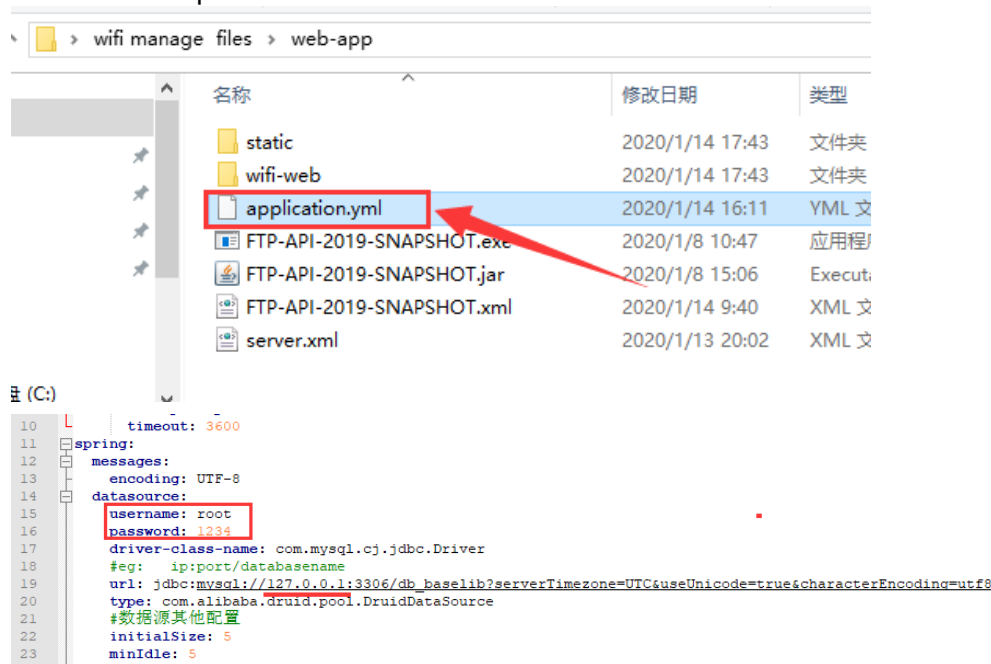


2) Replace the configuration file in the Tomcat installation path.



3) Open "application.yml" with notepad to modify the database connection information,

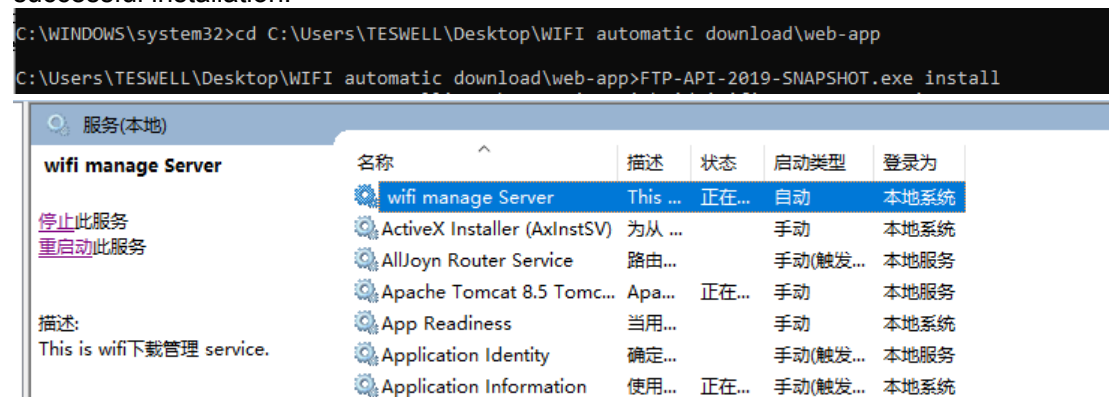
Type: Modify the corresponding public network IP + port + database name, including the username and password.



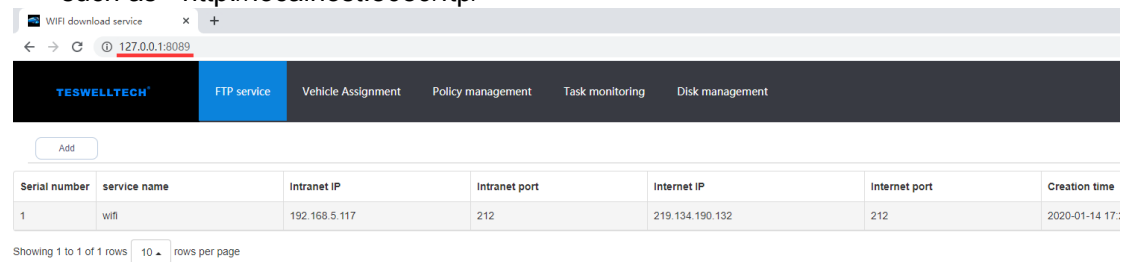
3) Modify the registration service configuration file before registering the program as a service (JDK default installation can ignore this step); configure according to the environment variables configured by the previously installed JDK



4) Register the wifi download platform background serves as a window service," CMD" need to run as administrator.
Enter the current directory of the resource package and execute the"DOS" command "FTP-API-2019-SNAPSHOT.exe install" Services can be viewed in Task Manager after successful installation.



5) Start the Tomcat service and access the web management page through a browser, such as “http://localhost:8089/ftp/”



Serial number	service name	Intranet IP	Intranet port	Internet IP	Internet port	Creation time
1	wifi	192.168.5.117	212	219.134.190.132	212	2020-01-14 17:.

Showing 1 to 1 of 1 rows rows per page

Tips:

If FTP and HTTP can be accessed through the browser, your first step is usually finished.

Then you need to do port mapping ,port 8101-8105 9001-9010 60000-60020 and 212 8089,8080,8087,8086 . Both UDP and TCP need to open.

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