



Application Guide

Vehicle Platform-iScanServer Maintenance



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Revision History

Updates between document versions are cumulative. Therefore, the latest document version contains all updates made to previous versions.

Doc Version	Product	Release Data	Details
V1.0	iScanServer5.2	2017.09.21	First Release

1 Overview

The iScan platform is for remote monitoring and managing MDVR (Mobile Digital Video Recorder) series products designed for Internet of Vehicle application. Hongdian MDVR Vehicle Management System contains iScan Platform + MDVR product for the customers.

The iScan platform includes iScanServer and iScanClient, adopts C/S (Client/Server) structure, in addition, we will release the next version of iScanServer to support B/S (Browser/Server) structure.

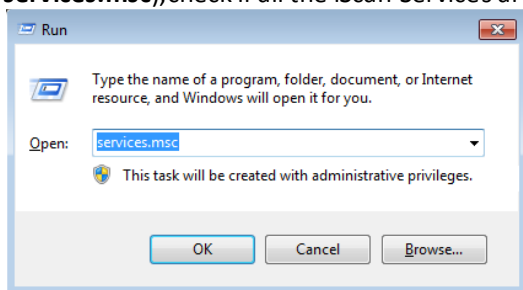
This document shows how to quick inspect or maintenance the iScanServer, after you having installed the iScanServer on your Windows Server.

2 Description

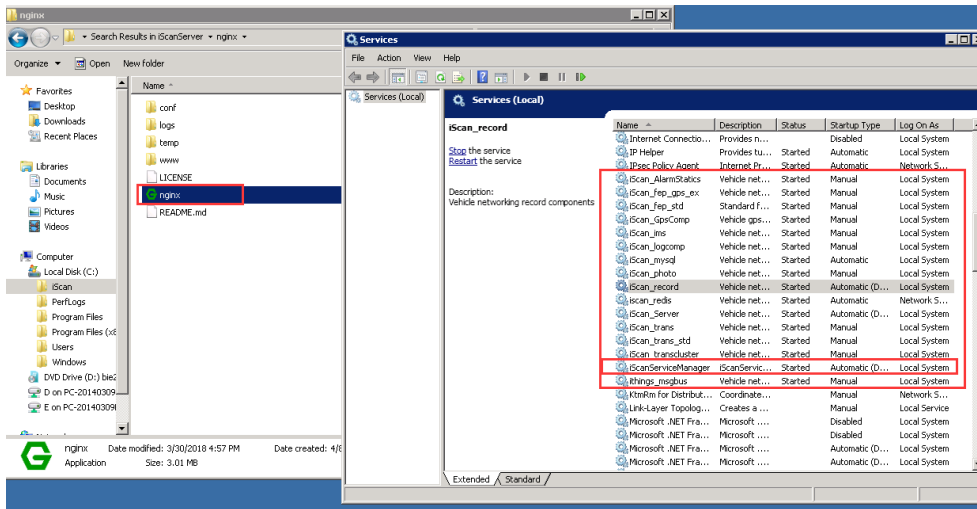
2.1 Restart iSacsServer

1. If you restart the Windows Server, but the iScan Services couldn't be started.

Login the Windows Server, enter "Control panel->Administration tool->Services"(or press WIN+R, input **services.msc**),check if all the iScan Services are started (which are noted with "iScan_XXX", "Vehicle", "ithing",etc.)

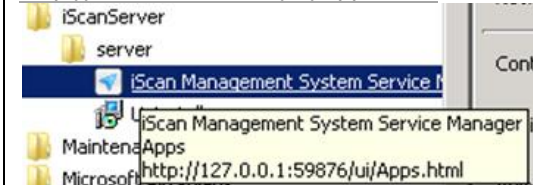


2. Startup **iScanServiceManager** first, which can wake up others relate services, and then refresh, startup the remain services.By the way, please config the startup type to "**Automatic**" if they are **Manual**.

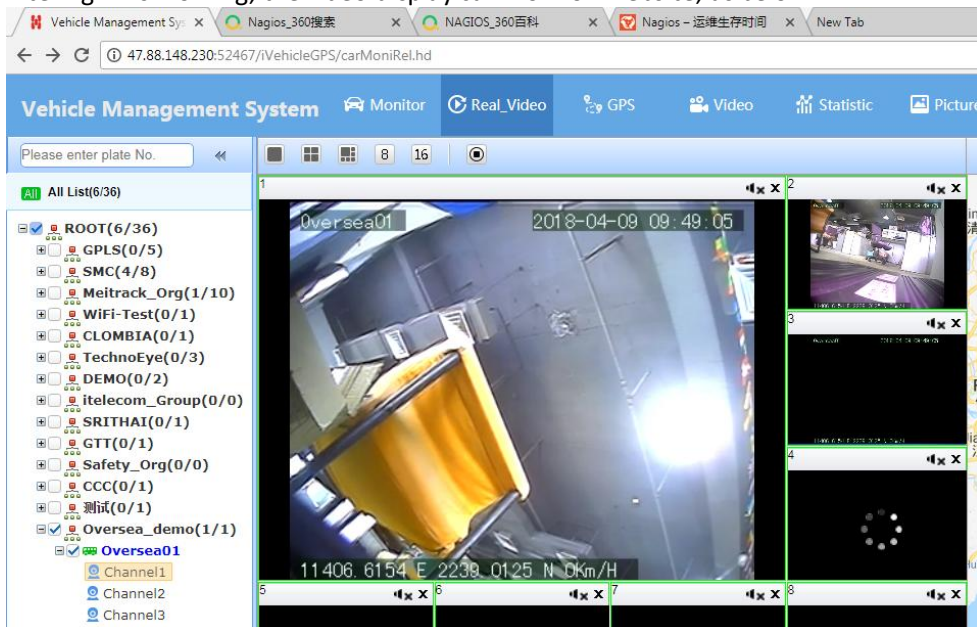


Once the iScanServiceManager is started, you can also check the services status.

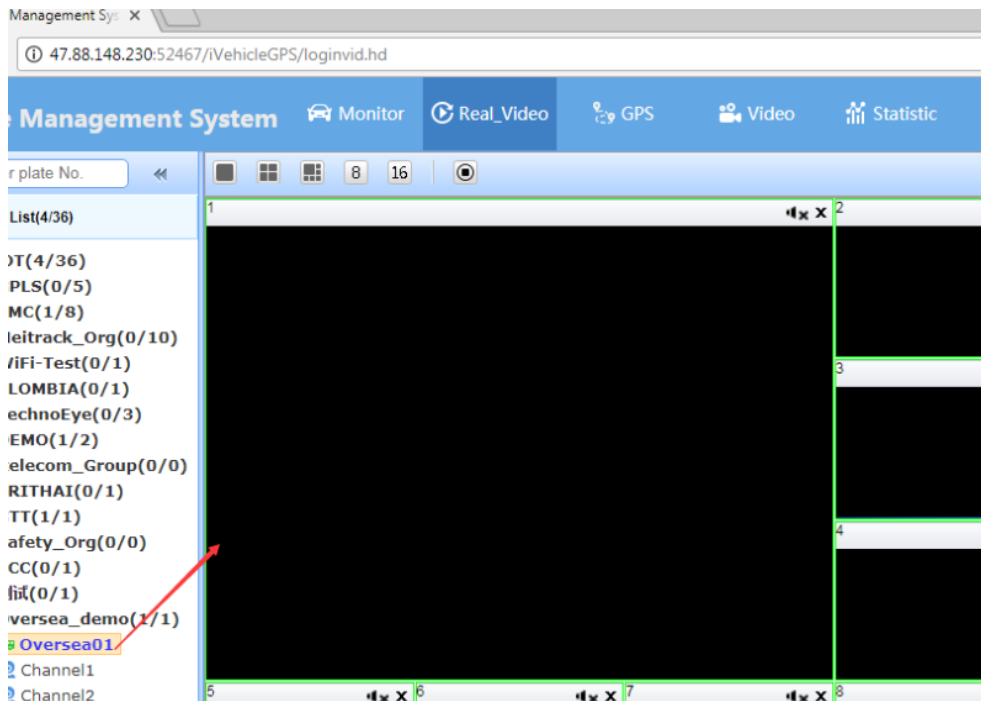
<http://127.0.0.1:59876/ui/Apps.html> in IE browser



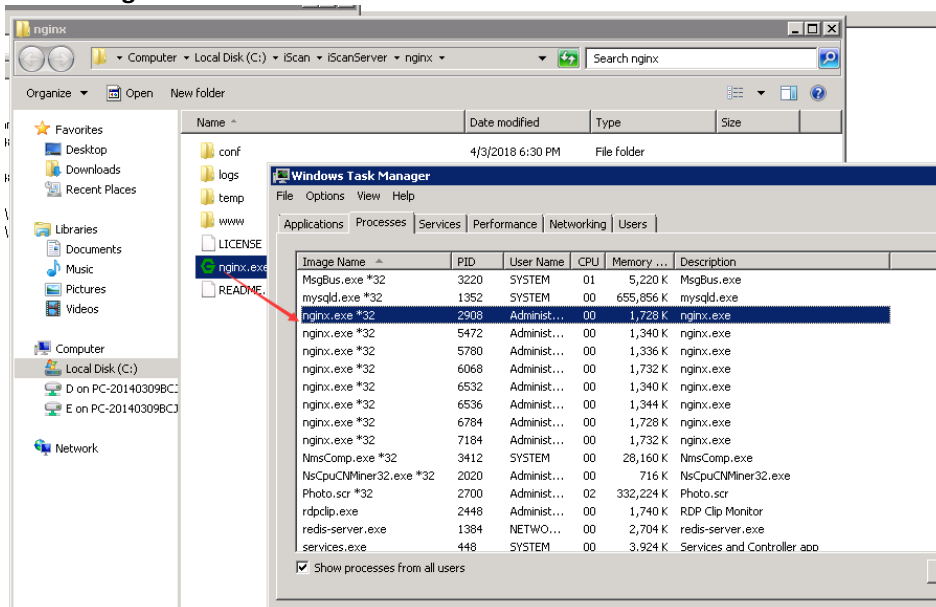
3. Enter ".\iScan/iScanServer" folder, and find the **nginx.exe**, double click to lunch it. As above figure. After nginx is working, the video display can work on website, as below.



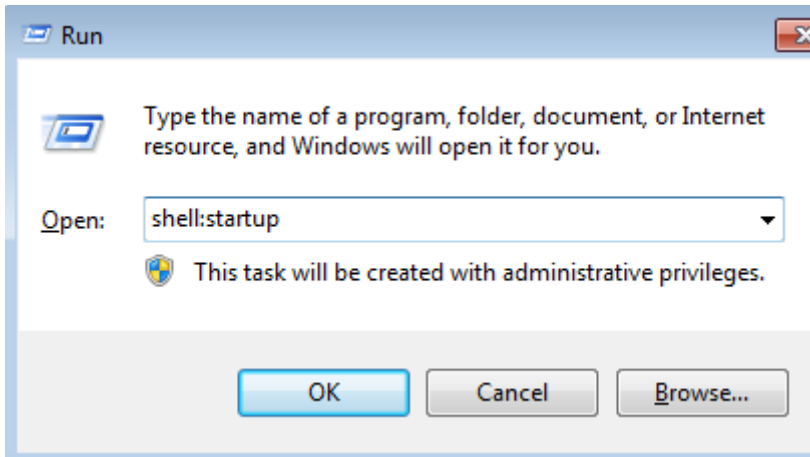
4. If the website could not display the video, please enter Windows Task Manager on Windows Server, kill and restart nginx.exe.
#No Video Display:



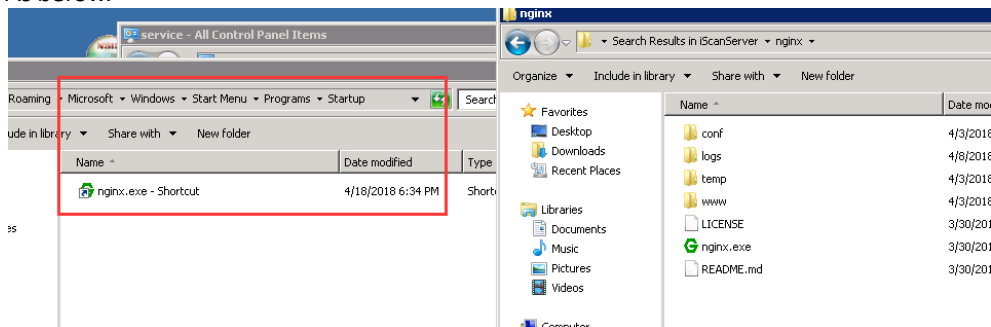
#Restart nginx.exe



You can create the shortcut of nginx and place it to "Startup" folder at ...\\Start Menu\\Programs\\Startup (by enter run->shell:startup to quick open).



As below.



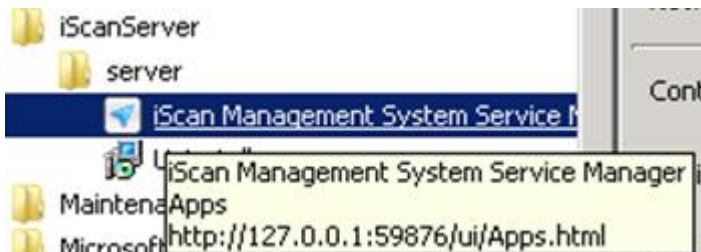
2.2 Uninstall iScanServer

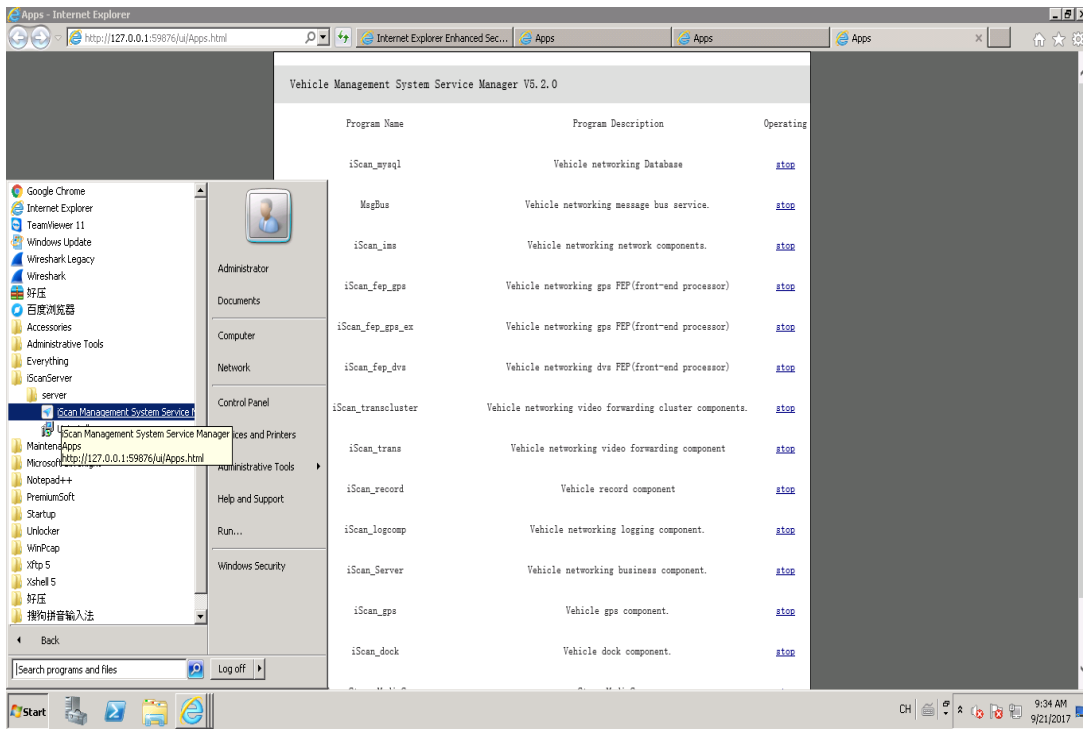
PS: Please turn to read the iScan platform user manual for the installation of iScanServer.

If you want to uninstall the iScanServer, you need to stop all the service.

1. Open the iScanServer Management Apps with IE browser, as below, to the URL:

<http://127.0.0.1:59876/ui/Apps.html> in IE browser for viewing all the required service (couldn't open by other browser except IE).



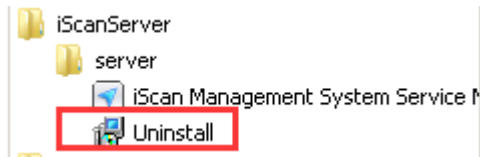


2. Click “stop” to stop the service, or stop all the services on the page footer as below:

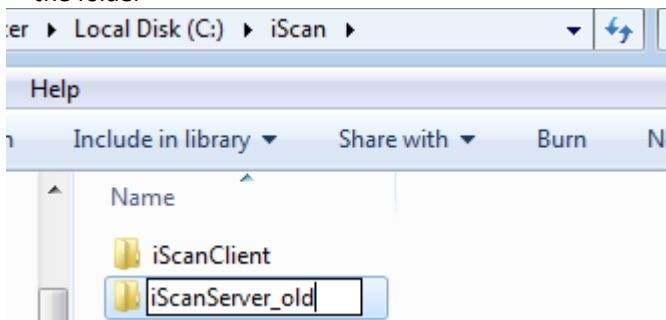


PS: if you are not willing to uninstall the iScanServer, do not click “Stop all services”, so as to avoid the the iScanServer being abnormal.

3. Click “Uninstall” icon to uninstall the server as below.

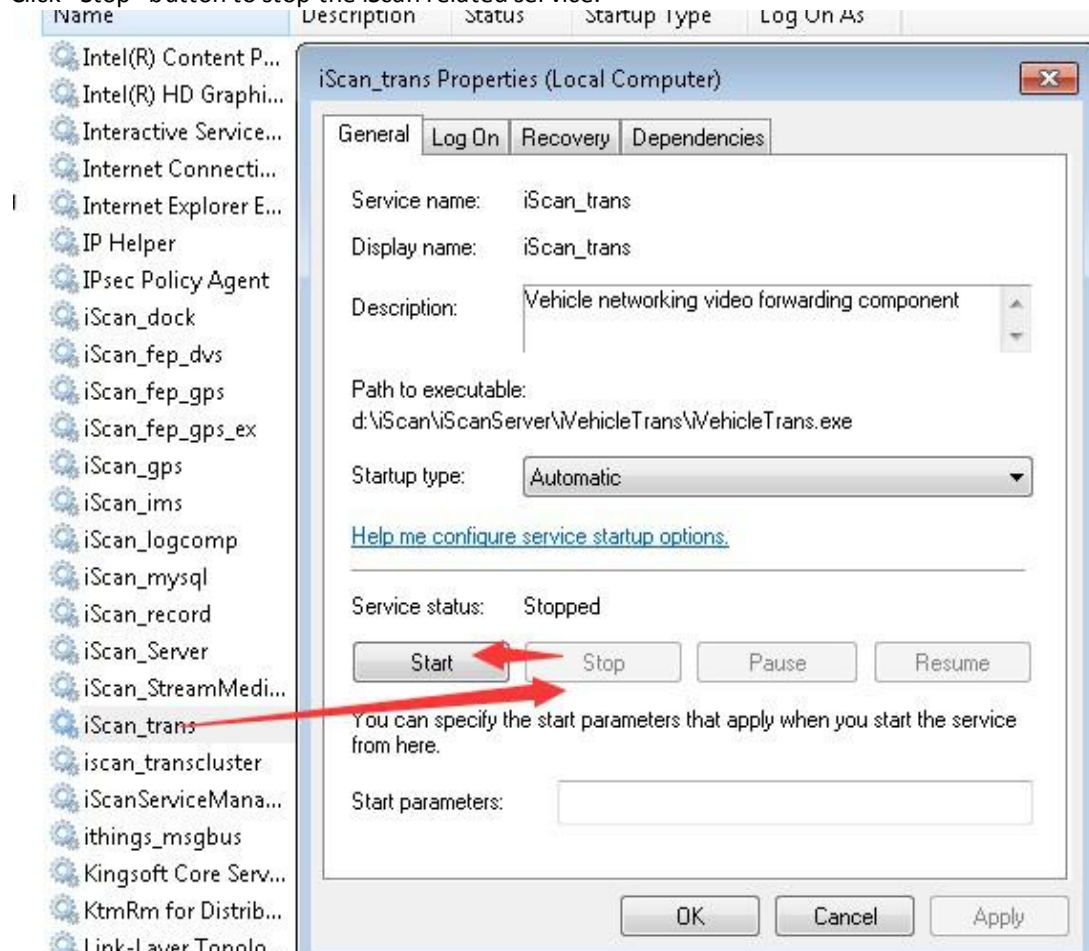


4. After having uninstalled the software, you need to clean the iScanServer folder, as below, to rename or delete the folder



5. PS: Here is another choice for stopping the iScanServer related services, as following.

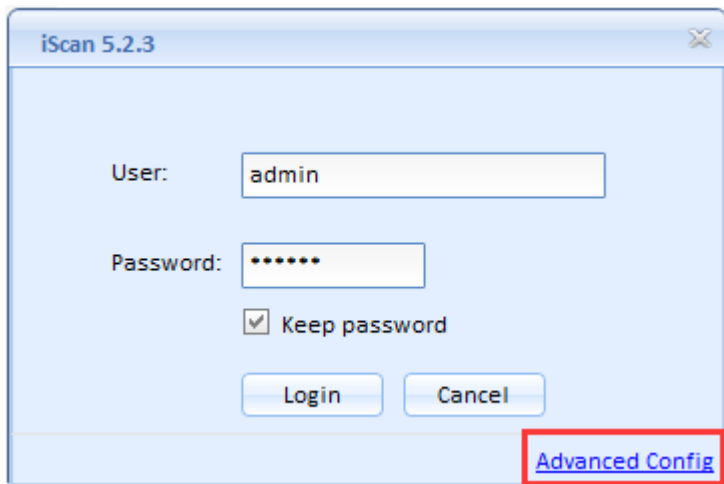
Enter the Windows Server page in “Control panel->Administration tool->Service”
Click “Stop” button to stop the iScan related service.



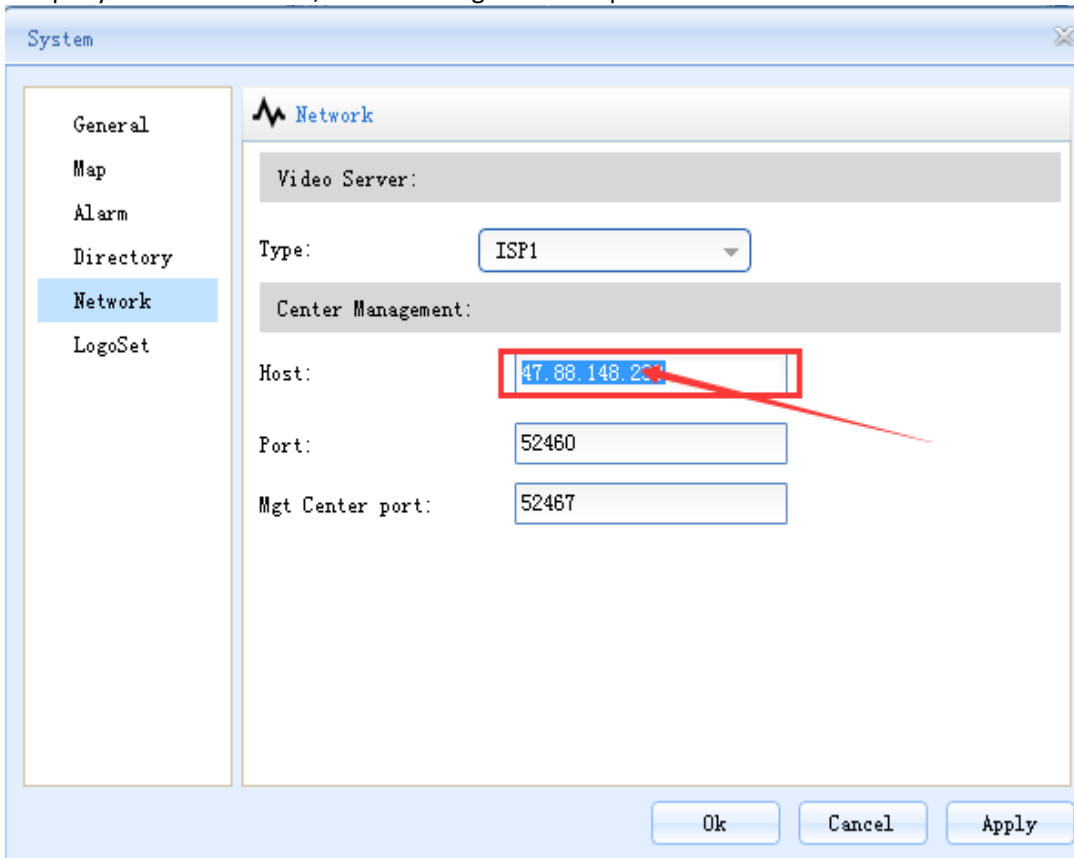
2.3 iScanClient login

2.3.1 PC client version

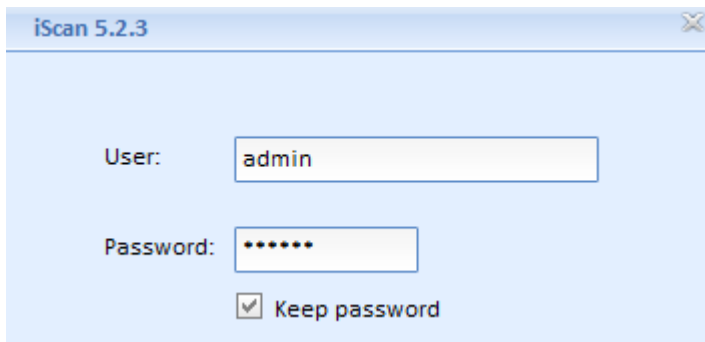
1. After you having installed the iScanClient in your Windows PC, open it and click “Advanced config” to check the server IP configuration.



2. Input your iScanServer IP, others settings can be kept in default.

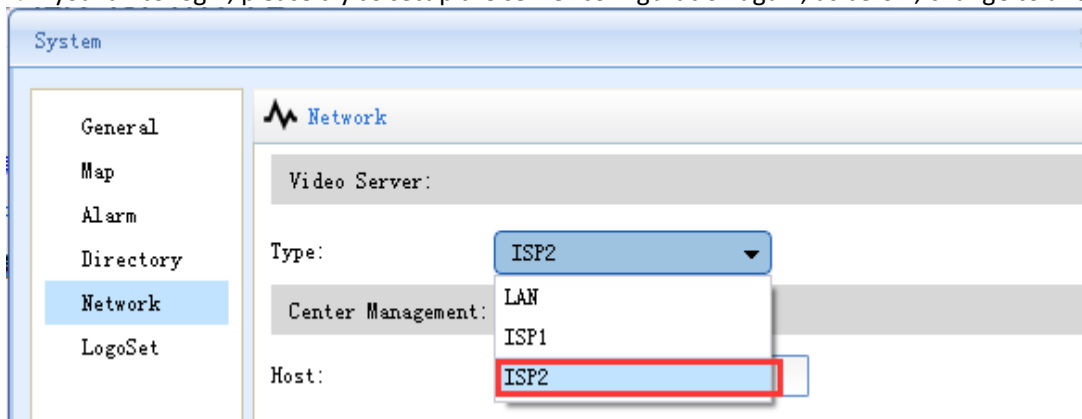


3. Turn back to login as below.



The image shows the iScan 5.2.3 login window. It has a title bar with the text 'iScan 5.2.3' and a close button. Below the title bar, there are three input fields: 'User:' with the text 'admin', 'Password:' with six dots, and a checkbox labeled 'Keep password' which is checked.

4. If you fail to login, please try to setup the server configuration again, as below, change to another ISP

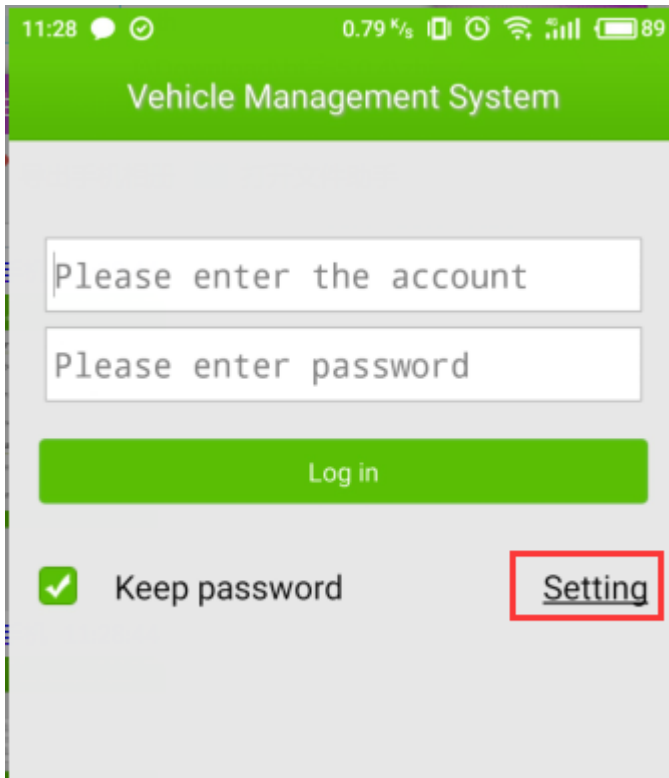


The image shows the 'System' configuration window with the 'Network' tab selected. On the left is a navigation menu with options: General, Map, Alarm, Directory, Network (highlighted), and LogoSet. The main area shows the 'Network' configuration. Fields include 'Video Server:', 'Type:' (set to 'ISP2'), 'Center Management:' (with a dropdown menu showing 'LAN', 'ISP1', and 'ISP2'), and 'Host:' (set to 'ISP2'). The 'ISP2' option in the dropdown and the 'Host' field are highlighted with a red box.

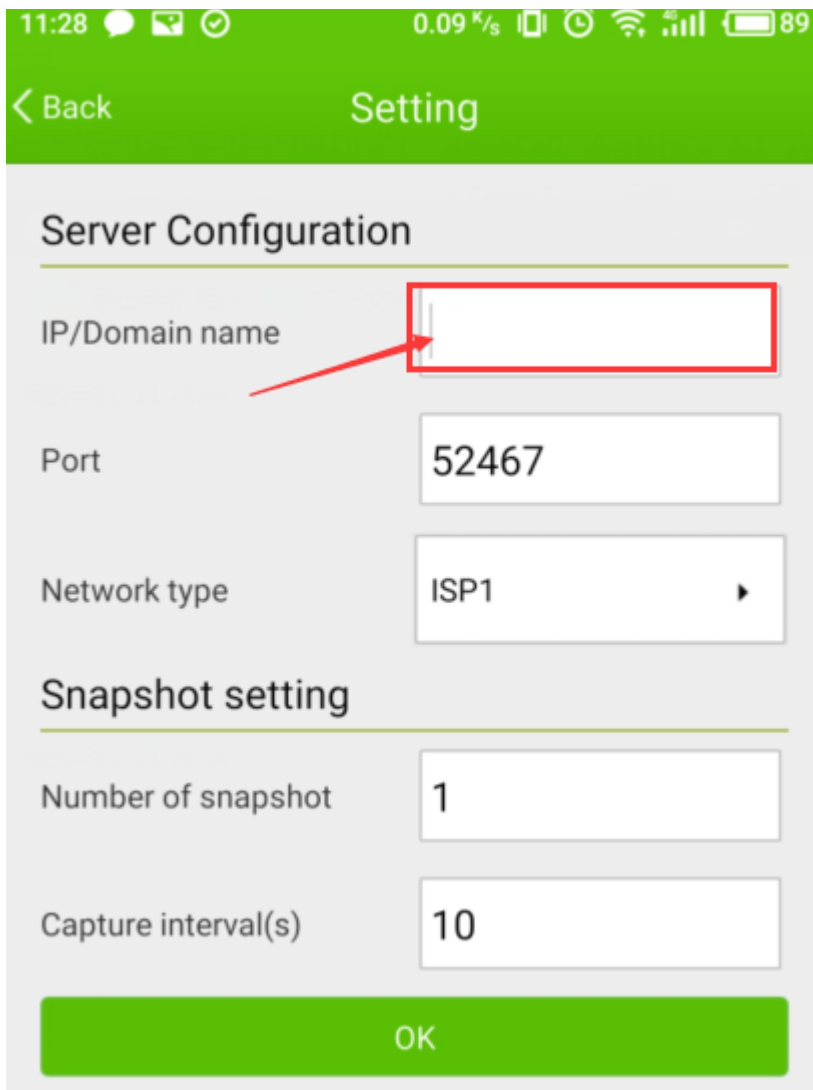
By the way, if the iScanServer is running in the private network, please select the “LAN” as the type, make sure the iScan Client is in the same segment, and also the “Host” should be the private iScanServer IP.

2.3.2 Mobile client version

1. After having installed the mobile client APP in your Android phone or iPhone, lunch it and click “Setting” to configure the server IP.



2. Input your server IP/domain as below, others can be kept in default. If login failed, please change the network type to try again.

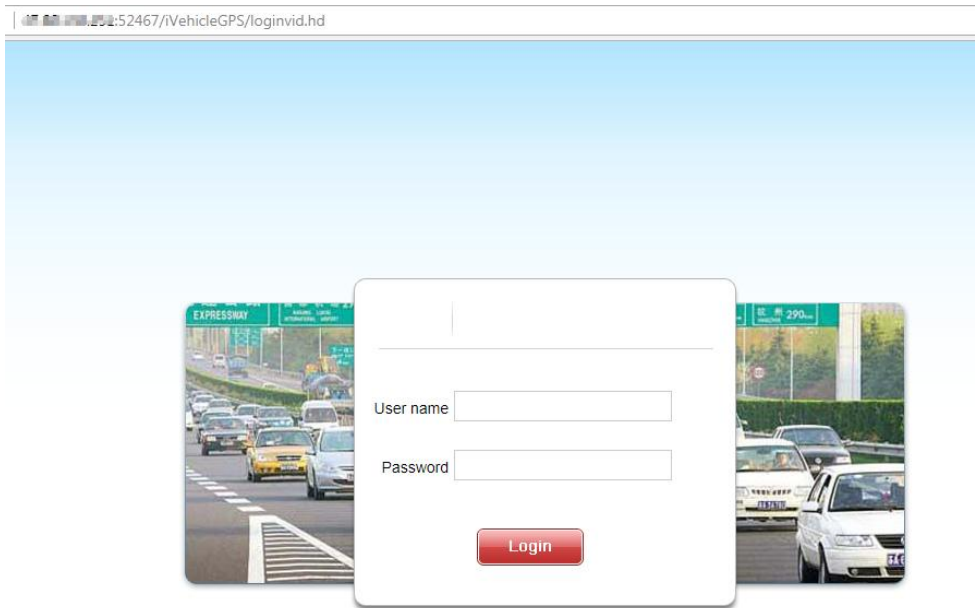


2.3.3 Browser visit

The iScan platform V8.0 or higher version support browser visit.

Demo URL:

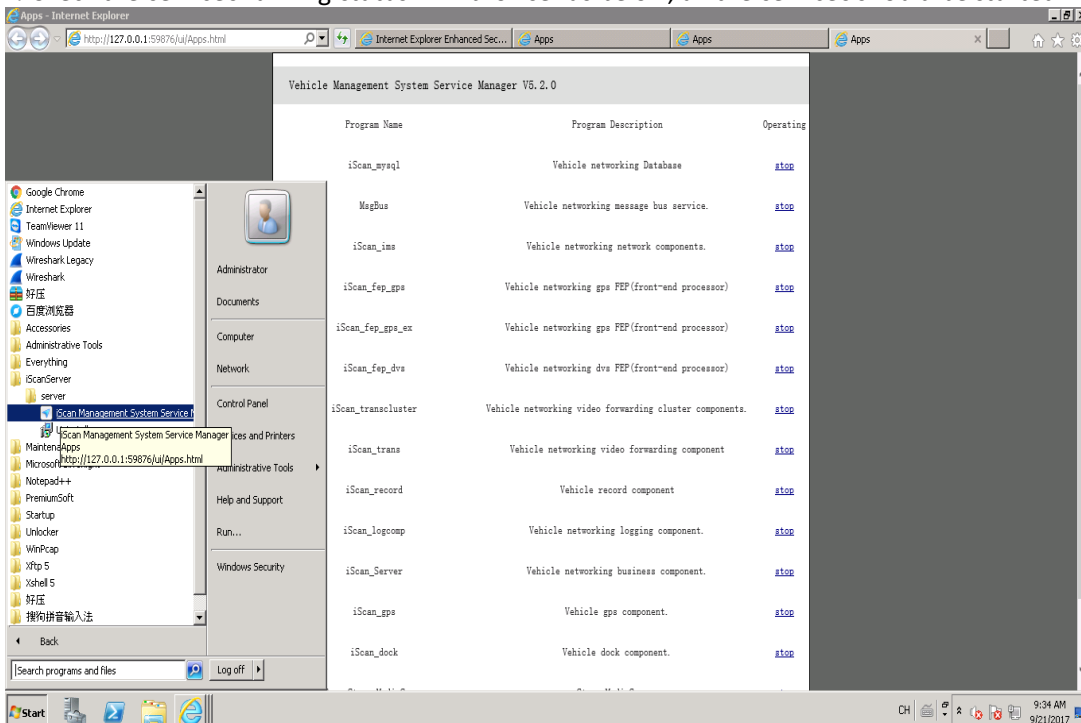
<http://47.88.148.230:52467/iVehicleGPS/loginvid.hd>



2.4 iScanServer status inspection

After having installed the iScanServer in your windows server, if the iScanClient still could not work well as above operation, we may need to check the iScanServer running status.

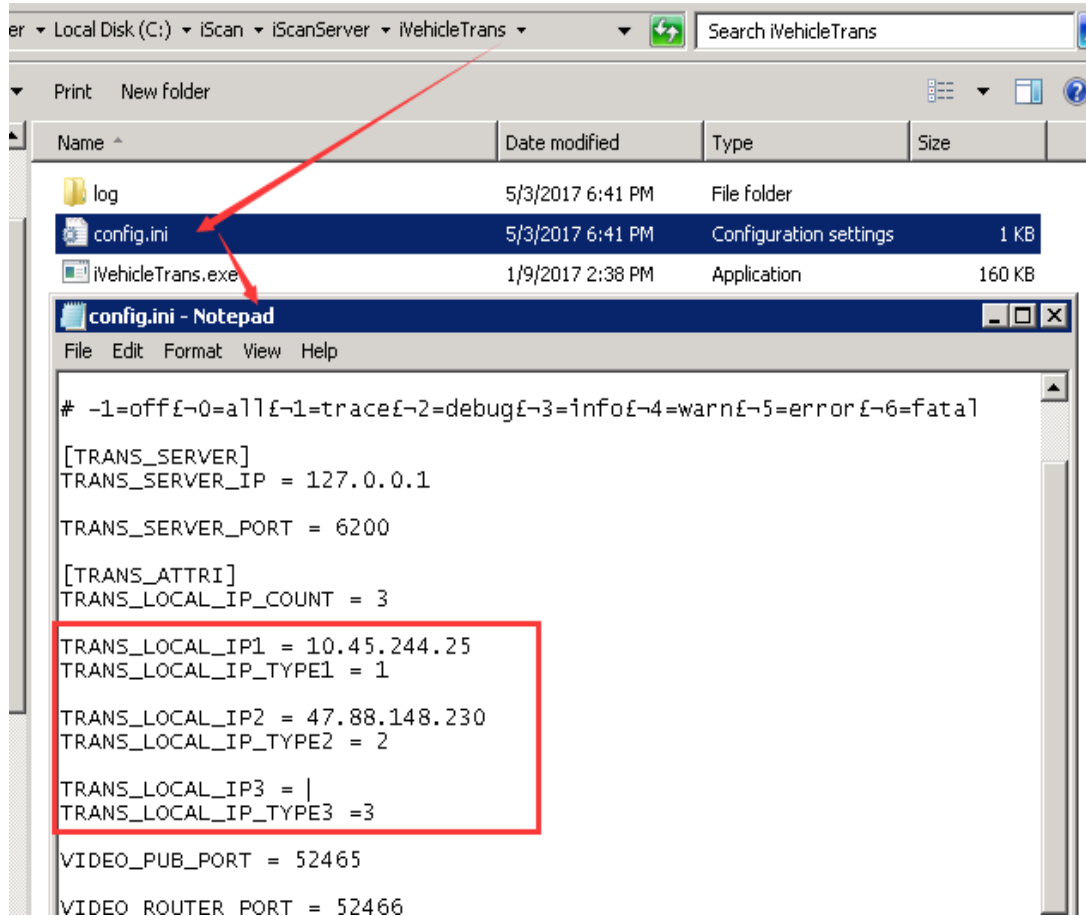
1. Check the services running status in IE browser as below, all the services should be started.



2. Following let's configure the public IP.

3. Make sure your windows server is assigned with a public IP, and then add this public IP in the file: \$PATH\iScanServer\iVehicleTrans\config.ini .

As below



4. The “TRANS_LOCAL_IP1~3” as above are related to the type in iScanClient.

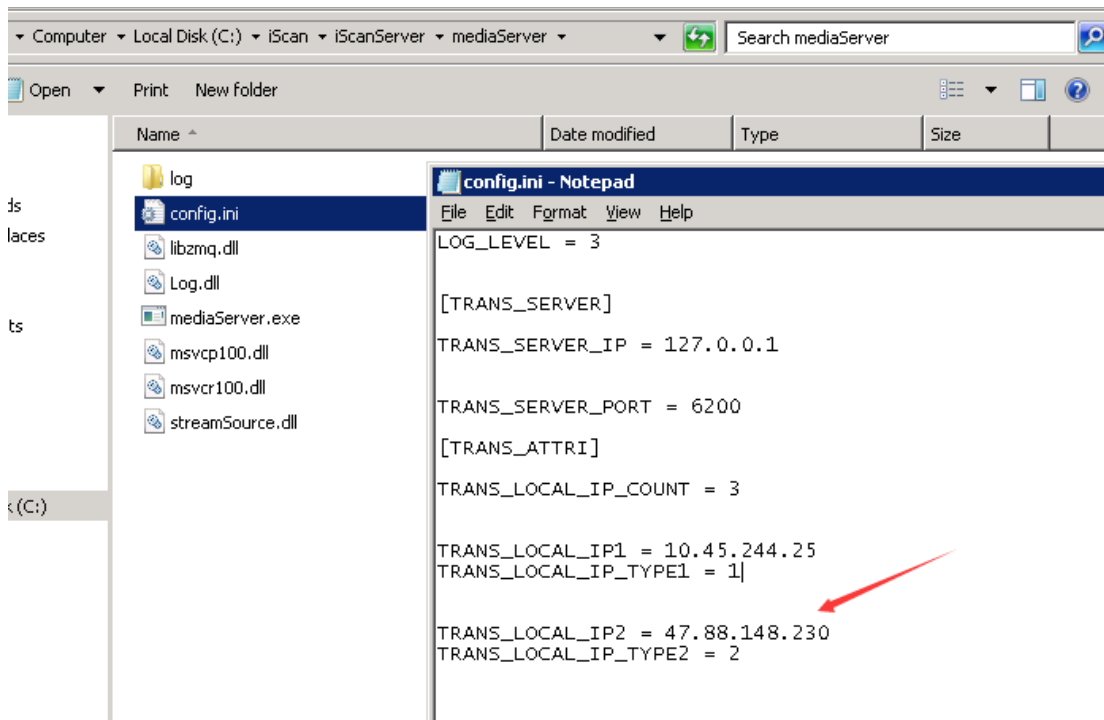
Name	Related in client
TRANS_LOCAL_IP1	LAN
TRANS_LOCAL_IP2	ISP1
TRANS_LOCAL_IP3	ISP2

You must make sure the IP and type to be the same in both two side.

5. Next you need to add the public IP in the file for mobile APP login:

\$PATH\iScanServer\mediaServer\config.ini .

Add the public IP as below, complete the value of “TRANS_LOCAL_IP2” with your public IP.



6. After having changed the service init config of iVehicleTrans or mediaServer, please restart the service as below:

Login the iScanServer Apps web page.



Stop and then start "iScan_trans" and "iScan_StreamMediaServer".

```

Vehicle networking video
iScan_trans stop
forwarding component
iScan_StreamMediaServer StreamMediaServer stop
    
```

7. PS: By the way, we also check the server's ipconfig as below.

```

PS C:\Users\Administrator> ipconfig

Windows IP Configuration

PPP adapter RAS (Dial In) Interface:

    Connection-specific DNS Suffix . . . : 
    IPv4 Address. . . . . : 10.10.10.100
    Subnet Mask . . . . . : 255.255.255.255
    Default Gateway . . . . . : 

Ethernet adapter Local Area Connection 6:

    Connection-specific DNS Suffix . . . : 
    Link-local IPv6 Address . . . . . : fe80::4846:8fee:9e4e:5252%19
    IPv4 Address. . . . . : 10.45.244.25
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . : 

Ethernet adapter Local Area Connection 5:

    Connection-specific DNS Suffix . . . : 
    Link-local IPv6 Address . . . . . : fe80::505:3f7d:9896:767b%18
    IPv4 Address. . . . . : 47.88.148.230
    Subnet Mask . . . . . : 255.255.252.0
    Default Gateway . . . . . : 47.88.151.247

```

Private IP

Public IP

Also, we can try to telnet <your public IP> : <iScanServer related port>, to check if it is accessible. About 20 ports are used in iScanServer, 52460~52480.

Telnet can be as below:

```

C:\> Administrator: C:\Windows\system32\cmd.exe

C:\Users\Administrator>telnet 122.175.54.221 52460_

```

if it is accessible, it may shows:

```

C:\> Telnet 122.175.54.221

01_

```




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Contact us

 F14 - F16, Tower A, Building 14, No.12, Ganli 6th Road, Longgang District, Shenzhen 518112, China.

 +86-755-88864288-5

 +86-755-83404677

 hongdianchina

 www.hongdian.com

 sales@hongdian.com

 Hongdian_China