www.hongdian.com



Application Guide Vehicle Platform-iScanServer Maintenance



Contents

Contents	
Revision History	2
1 Overview	3
2 Description	3
2.1 Restart iSacnServer	3
2.2 Unistall iScanServer	6
2.3 iScanClient login	8
2.3.1 PC client version	8
2.3.2 Mobile client version	10
2.3.3 Browser visit	12
2.4 iScanServer status inspection	13

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 Recoder) 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 maintence the iScanServer, after you having installed the iScanServer on your Windows Server.

2 Description

2.1 Restart iSacnServer

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
🎳 iScanServer	
🔒 server	Cont
Scan Management System Service P	Conc
Hiscan Management System Service Ma MaintenaApps	anageri
Microsoft http://127.0.0.1:59876/ui/Apps.html	

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:





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).

Application Guide - Vehicle Platform-iScanServer Maintenance 🖅 Run × Type the name of a program, folder, document, or Internet resource, and Windows will open it for you. shell:startup Open: Ŧ This task will be created with administrative privileges. OK Cancel Browse... As below. 🌀 🕞 🗸 🔸 Search Results in iScanServer 🔹 nginx Organize 🔻 Include in library 👻 Share with 👻 New folder Microsoft - Windows - Start Menu - Programs - Startup 👻 🚺 Seard Roaming Date mo Nam 🔆 Favorites 🧮 Desktop ude in library 🔻 Share with 🔻 New folder conf 4/3/2018 鷆 Downloads loas 4/8/2018 Туре Name Date modified 💹 Recent Places 📔 temp 4/3/2018 🔂 nginx.exe - Shortcut 4/18/2018 6:34 PM Sho 🚹 www 4/3/2018 🥽 Libraries LICENSE 3/30/201 Documents 35 🎝 Music G nginx.exe 3/30/201 README.md Nictures 3/30/201 Videos 💷 Computer

2.2 Unistall iScanServer

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

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

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

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



C Apps - Internet Explorer							_ 8 ×
() v (i/127.0.0.1:59876/ui/App	s.html 🔎	💌 😽 🥚 Internet Explorer E	inhanced Sec 🥃 Apps		Apps	×	
Vehic		le Management System Ser	rvice Manager V5.2.0				^
		Program Name	Program Description	Operating			
		iScan_mysql	Vehicle networking Database	stop			
Google Chrome Arone Internet Explorer		MsgBus	Vehicle networking message bus service.	stop			
Teamviewer 11 Windows Update Wireshark Legacy		iScan_ims	Vehicle networking network components.	stop			
Wireshark ●好压	Administrator	iScan_fep_gps	Vehicle networking gps FEP(front-end processor)	stop			
☑ 百度浏览器 ↓ Accessories ↓ Administrative Tools	Computer	iScan_fep_gps_ex	Vehicle networking gps FEP(front-end processor)	stop			
Everything ScanServer	Network	iScan_fep_dvs	Vehicle networking dvs FEP(front-end processor)	stop			
Server	Control Panel	iScan_transcluster	Vehicle networking video forwarding cluster components.	stop			
 ISP IScan Management System Service M MaintenaApps Microsofthttp://127.0.0.1:59876/ui/Apps.html 	anager ices and Printers	iScan_trans	Vehicle networking video forwarding component	stop			
Notepad++ PremiumSoft	Help and Support	iScan_record	Vehicle record component	stop			
Startup Unlocker WinPran	Run	iScan_logcomp	Vehicle networking logging component.	stop			
Xitp 5	Windows Security	iScan_Server	Vehicle networking business component.	stop			
→ 好压 → 搜狗拼音输入法		iScan_gps	Vehicle gps component.	stop			
Back Search programs and files	Log off	iScan_dock	Vehicle dock component.	stop			v
🍂 🛃 👔			A. 19 11 A		СН 🍯 🕇	* 👍 😼 🗉	9:34 AM 9/21/2017

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

iScan_StreamMediaServer	StreamMediaServer	stop
<u>Start all services Stop all services</u>		

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 "Unistall" icon to unistall 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 stoping the iScanServer related services, as following.

Ľ.

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

Inditic	Startup Type Log Off AS	
🔍 Intel(R) Content P 🥋 Intel(R) HD Graphi	iScan_trans Properties (Local Computer)	×
Interactive Service	General Log On Recovery Dependencies	
Internet Explorer E	Service name: iScan_trans	
🔐 IP Helper	Display name: iScan_trans	
IPsec Policy Agent Scan_dock	Description: Vehicle networking video forwarding component	*
GiScan_fep_dvs GiScan_fep_gps GiScan_fep_gps_ex GiScan_gps	Path to executable: d:\iScan\iScanServer\iVehicleTrans\iVehicleTrans.exe	
	Startup type: Automatic	•
iScan_logcomp	Help me configure service startup options.	
iScan_mysql iScan_record	Service status: Stopped	
🔍 iScan_Server 🔍 iScan_StreamMedi	Start Stop Pause Resume	
iScan_trans	You can specify the start parameters that apply when you start the servi from here.	ce
iScanServiceMana ithings_msgbus	Start parameters:	
Kingsoft Core Serv KtmRm for Distrib	OK Cancel Ap	ply

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.

iScan 5.2.3		×
User:	admin	
Password:	•••••	
	Keep password	
	Login Cancel	
		Advanced Config

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

System		×
General	♪ Network	
Map	Video Server:	
Alarm Directory	Type: ISP1	
Network	Center Management:	
LogoSet	Host: 47.88.148.201	
	Port: 52460	
	Mgt Center port: 52467	
	Ok Cancel	Apply

3. Turn back to login as below.

Application Guide - V	ehicle Platform-iScanServer Maintenance
iScan 5.2.3	×
User:	admin
Password:	•••••
	✓ Keep password

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

System			2
General	▲ Network		
Map	Video Server:		
Alarm			
Directory	Туре:	ISP2 🔻	
Network	Center Management:	LAN	
LogoSet		ISP1	
	Host:	ISP2	

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.

Application Guide - V	/ehicle Platform-iSc	anServer Mainter	nance
11:28 🗩 🧭	0.7	9 % 🛛 🖸 🤅	: îul (— 89
Vehic	le Manager	nent Syste	em
Please e	nter the	account	
Please e	enter pass	sword	
	Log in		
🛃 Keep p	bassword	[<u>Setting</u>

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.

Application Guide - Vehicle Platform-iScanServer Maintenance			
11:28 🗩 😨 🧭	0.09 K/s 🔲 🛈 🤶 äill 🔲 89		
🗸 Back	Setting		
Server Configura	tion		
IP/Domain name			
Port	52467		
Network type	ISP1		
Snapshot setting]		
Number of snapshot	1		
Capture interval(s)	10		
	ок		

2.3.3 Browser visit

The iScan platform V8.0 or higher version support brower visit. Demo URL: http://47.88.148.230:52467/iVehicleGPS/loginvid.hd

The second	User name Password	

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.

C	s.html 🔎	🔹 😽 🌈 Internet Explore	Enhanced Sec 🥃 Apps		🥖 Apps	×	☆☆ 🕸
	Vehic	Le Management System S	ervice Manager V5.2.0				ŕ
		Program Name	Program Description	Operating			
		iScan_mysql	Vehicle networking Database	stop			
Google Chrome Arrow Chrome Arrow Chrome TeamViewer 11		MsgBus	Vehicle networking message bus service.	stop			
🦥 Windows Update 🚄 Wireshark Legacy		iScan_ims	Vehicle networking network components.	stop			
▲ Wireshark ● 好压	Documents	iScan_fep_gps	Vehicle networking gps FEP(front-end processor)	stop			
☑ 目度刈览器 ↓ Accessories ↓ Administrative Tools	Computer	iScan_fep_gps_ex	Vehicle networking gps FEP(front-end processor)	stop			
Everything ScanServer	Network	iScan_fep_dvs	Vehicle networking dvs FEP(front-end processor)	stop			
Server Scan Management System Service P Stan Vanagement System Service P	Control Panel	iScan_transcluster	Vehicle networking video forwarding cluster components.	stop			
 ISP UScan Management System Service Ma MaintenaApps Microsofthttp://127.0.0.1:59876/ul/Apps.html 	anager ices and Printers	iScan_trans	Vehicle networking video forwarding component	stop			
Notepad++	Help and Support	iScan_record	Vehicle record component	stop			
Unlocker	Run	iScan_logcomp	Vehicle networking logging component.	stop			
Xftp 5 Xshell 5	Windows Security	iScan_Server	Vehicle networking business component.	stop			
→ 好压 → 搜询拼音输入法		iScan_gps	Vehicle gps component.	stop			
Back	Lon off	iScan_dock	Vehicle dock component.	stop			
programs and nies	Log OI		a. <u>v</u> . v. a.				
🍂 🚺 🎒 🍂					CH	i 🕈 🌜 😼 🖯	9:34 AM 9/21/2017

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

		• • • • • •	Search Wenicle Hans		
Print New folder				:==	• 🗆
Name *		Date modified	Туре	Size	
\rm log		5/3/2017 6:41 PM	File folder		
🗃 config.ini 🛛 🔨		5/3/2017 6:41 PM	Configuration settings		1 KB
💷 iVehicleTrans.exe		1/9/2017 2:38 PM	Application		160 KB
📕 config.ini - Notepad					_ 🗆
File Edit Format View	Help				
TRANS_SERVER_PORT	= 6200				
[TRANS_SERVER_FORT	- 0200				
TRANS_LOCAL_IP_COU	JNT = 3	_			
TRANS_LOCAL_IP1 = TRANS_LOCAL_IP_TYP	10.45.244.25 PE1 = 1				
TRANS_LOCAL_IP2 = TRANS_LOCAL_IP_TYP	47.88.148.230 PE2 = 2				
TRANS_LOCAL_IP3 = TRANS_LOCAL_IP_TYF	 PE3 =3				
VIDEO_PUB_PORT = 5	j2465				
VIDEO ROUTER PORT	= 52466				
ne "TRANS_LOCAL_IP1	~3" as above are	related to the typ	e 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.

Q 👻 🐼 Search mediaServer - == F 🛛 Open 🛛 🔻 Print New folder Name 🔶 Date modified Туре Size 🐌 log 📕 config.ini - Notepad ds 💼 config.ini <u>File Edit Fo</u>rmat <u>View H</u>elp laces $LOG_LEVEL = 3$ 🚳 libzmg.dll 🚳 Log.dli [TRANS_SERVER] 🗾 mediaServer.exe ts TRANS_SERVER_IP = 127.0.0.1 🚳 msvcp100.dll 🔌 msvcr100.dll TRANS_SERVER_PORT = 6200 🚳 streamSource.dll [TRANS_ATTRI] TRANS_LOCAL_IP_COUNT = 3 ((C:) TRANS_LOCAL_IP1 = 10.45.244.25 TRANS_LOCAL_IP_TYPE1 = 1 TRANS_LOCAL_IP2 = 47.88.148.230 TRANS_LOCAL_IP_TYPE2 = 2

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



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

Application Guide - Vehicle Platform-iScanServer Maintenance

Application Guide - Vehicle Platform-iScanServer Maintenance PS C:\Users\Administrator> ipconfig Windows IP Configuration ₽rivate IP PPP adapter RAS (Dial In) Interface: Ethernet adapter Local Area Connection 6: Connection-specific DNS Suffix . : Link-local IPv6 Address : IPv4 Address : : fe80::4846:8fee:9e4e:5252%19 : 10.45.244.25 : 255.255.255.0 E Ethernet adapter Local Area Connection 5: Public IP Connection-specific DNS Suffix Link-local IPv6 Address . . . IPv4 Address. fe80::505:3f7d:9896:767b%18 47.88.148.230 255.255.252.0 47.88.151.247 Subnet Mask . . Default Gateway -. --

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:

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

C:\Users\Administrator>telnet 122.175.54.221 52460_

if it is accessible, it may shows:

Telnet 122.175.54.221

e1_
```





Contact us

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

+86-755-88864288-5

+86-755-83404677

f hongdianchina

www.hongdian.com

➡ sales@hongdian.com