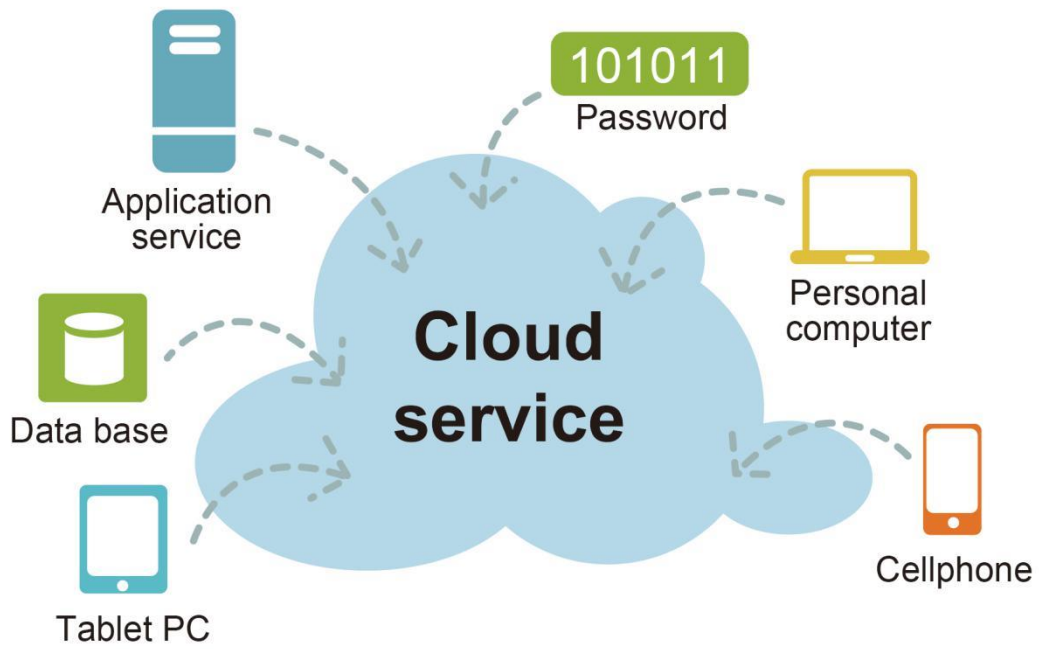


Operating Instructions



CMS Server

Please read this manual thoroughly before operating the unit,
and keep it for future reference.

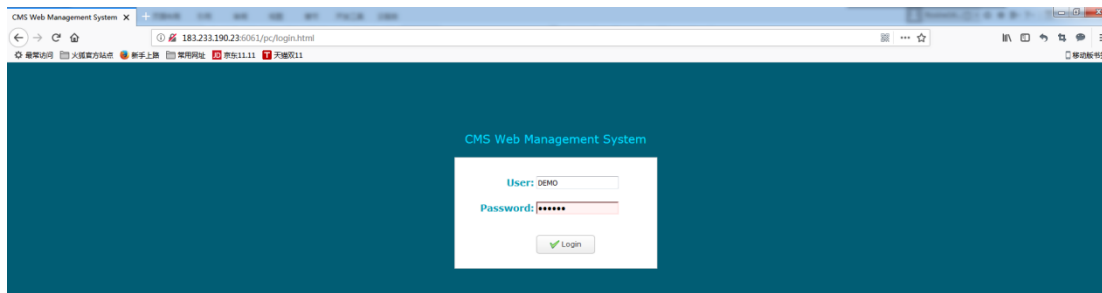
V 1.1.3

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1. How to Use Public Cloud CMS Server

Our public cloud CMS server url is <http://183.233.190.23:6061/>
you can login this url using your user name and password. Screen shot as follows:



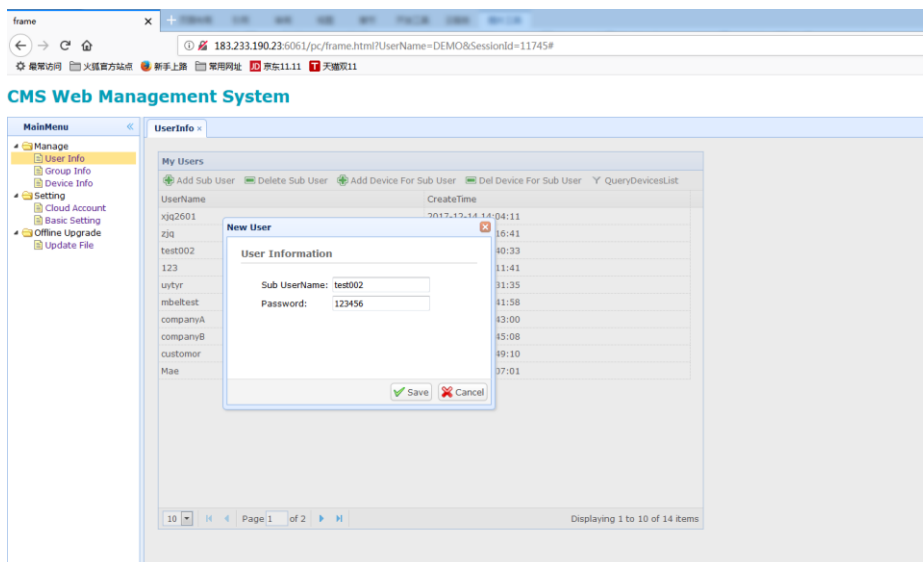
Warm prompt: if your DVR connect our public cloud server, you need to do next simple operation only and you do not need change any information in your DVR.

1.1 Add sub user

If you sell a DVR to your customer, you need add a sub user name for your customer, and allocate the DVR to your customer who had bought to the sub user name.

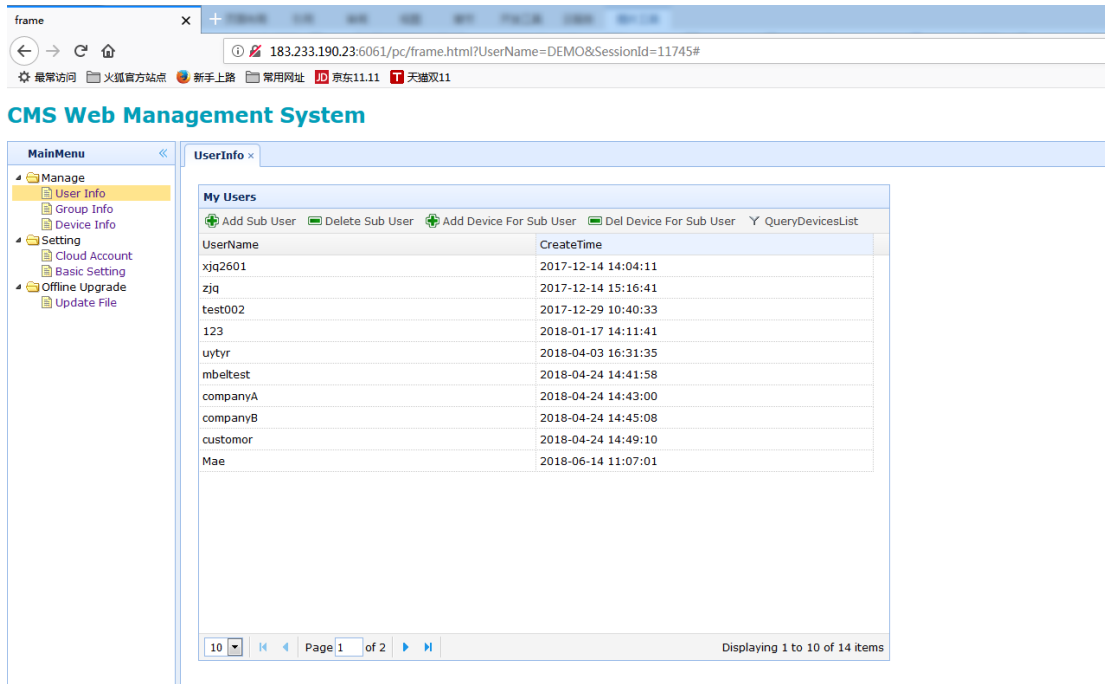
First:

Click User Info->Add Sub User, input sub user name and password please, screen shot as follows:



Second:

Click Save, the the sub username will appear in the list table:

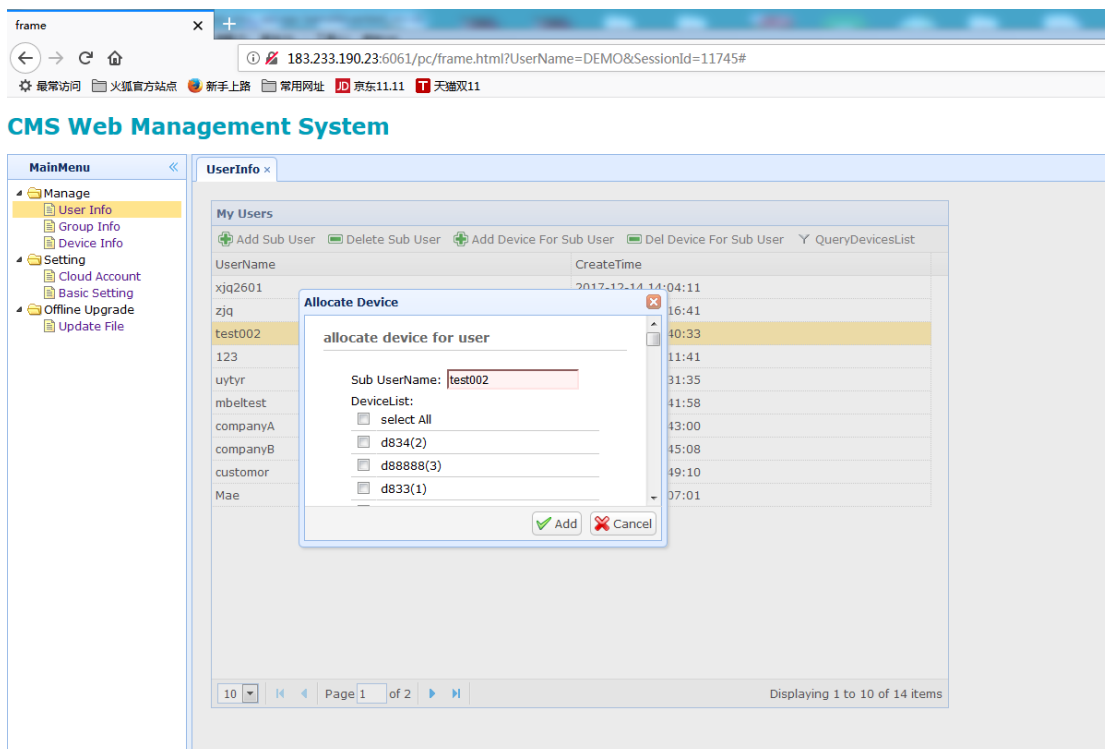


1.2 Add device for sub user

If you have bought some devices from our company, you can add Devices for your sub User.

First:

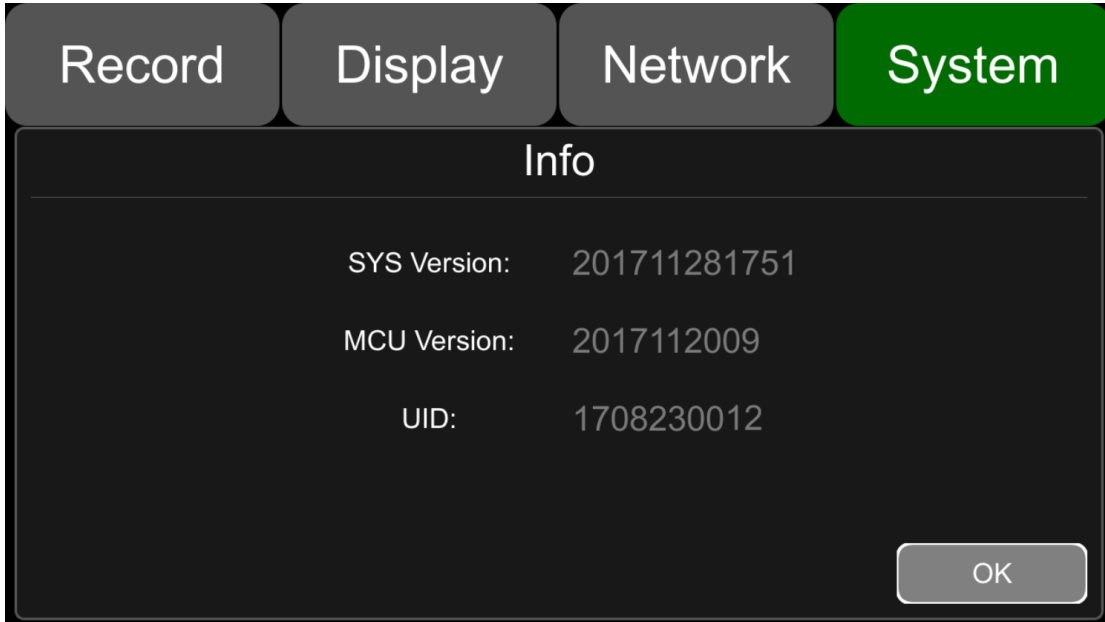
Select the row of sub user, then Click UserInfo->Add Device For Sub User, input Sub UserName and DeviceId. screen shot as follows:



Second:

Click Add, the DeviceId will be allocated to the user test002.

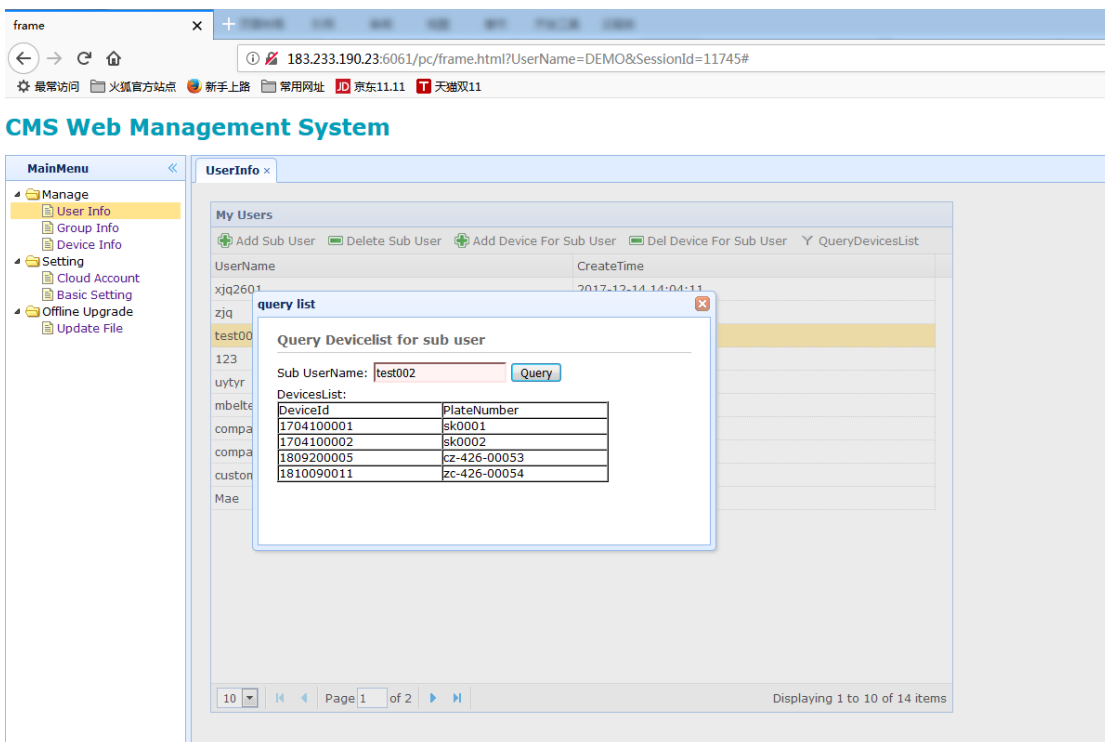
Warm prompt: the DeviceId is the UUID of your DVR. And you can query it in DVR. Screen shot as follows:



1.3 Query devices list for sub user

You can query devices list for your sub user.

Select the row of sub user, then Click QueryDeviceList, and input sub user name, click query.



2. How to Install Yourself CMS Server

System requirement:

CPU: Intel i7-3.6GHz or Higher Intel

Operation System: Ubuntu 14.04.5 or Higher(64bit)

Memory Size: 16g or higher

Disk:2T or higher

Warm Prompt:you can buy a virtual machine from AWS, The Current buylink is :

https://aws.amazon.com/marketplace/b/2649367011?ref =hmpg_categories_2649367011

After getting a machine having Ubuntu server, you can login the machine using ssh or telnet remotely.

2.1 Install MySQL

```
sudo apt-get install mysql-server
```

Warm Prompt: please set password for username “root” when it note input password in install ation procedure. the password should be setted “123456”.

2.2 Install apache

1, sudo apt-get install apache2

2, fix the listing port of apache to 6061

```
sudo vi /etc/apache2/ports.conf
```

change 80 into 6061

```
# If you just change the port or add more ports here, you will likely
# have to change the VirtualHost statement in
# /etc/apache2/sites-enabled/000-default.conf
```

```
Listen 80
```

```
<IfModule ssl_module>
```

```
    Listen 443
```

```
</IfModule>
```

```
<IfModule mod_gnutls.c>
```

```
    Listen 443
```

```
</IfModule>
```

```
# vim: syntax=apache ts=4 sw=4 sts=4 sr noet
```

```
~
~
~
~
```

1. fix the default access path of apache

First:

```
sudo vi /etc/apache2/apache2.conf
```

fix the string “/var/www/” into “/home/CMSServer/WebServer”
and add “AddType application/x-httpd-php .html”
and delete string “Indexes” of “Options Indexes FollowSymLinks”
screen shot as follows:

```
<Directory /usr/share>
    AllowOverride None
    Require all granted
</Directory>

#<Directory /home/joke/html>
#<Directory /var/www/html/test>
<Directory /var/www/html/>
    Options Indexes FollowSymLinks
    AllowOverride None
    Require all granted
    Allow from all
</Directory>
AddType application/x-httpd-php .html

#<Directory /srv/>
#     Options Indexes FollowSymLinks
#     AllowOverride None
#     Require all granted
#</Directory>
```

Second:

sudo vi /etc/apache2/sites-available/000-default.conf

- ① fix the string “VirtualHost *:80” into “VirtualHost *:6061”
- ② fix the string “DocumentRoot /var/www/html/” into “DocumentRoot /home/CMSServer/WebServer”

Screen shot as follows:


```

<VirtualHost *:80>
# The ServerName directive sets the request scheme, hostname and port that
# the server uses to identify itself. This is used when creating
# redirection URLs. In the context of virtual hosts, the ServerName
# specifies what hostname must appear in the request's Host: header to
# match this virtual host. For the default virtual host (this file) this
# value is not decisive as it is used as a last resort host regardless.
# However, you must set it for any further virtual host explicitly.
#ServerName www.example.com

ServerAdmin webmaster@localhost
DocumentRoot /var/www/html

# Available loglevels: trace8, ..., tracel, debug, info, notice, warn,
# error, crit, alert, emerg.
# It is also possible to configure the loglevel for particular
# modules, e.g.
#LogLevel info ssl:warn

ErrorLog ${APACHE_LOG_DIR}/error.log
CustomLog ${APACHE_LOG_DIR}/access.log combined

# For most configuration files from conf-available/, which are
# enabled or disabled at a global level, it is possible to
# include a line for only one particular virtual host. For example the
# following line enables the CGI configuration for this host only
# after it has been globally disabled with "a2disconf".
#Include conf-available/serve-cgi-bin.conf
</VirtualHost>

# vim: syntax=apache ts=4 sw=4 sts=4 sr noet
~
~

```

2. reset apache
- ```
sudo service apache2 restart
```

## 2.3 Install php

- 1, sudo apt-get install php
  - 2, sudo apt-get install libapache2-mod-php
  - 3, sudo apt-get install php-curl
  - 4, sudo apt-get install php-mysql
  - 5, sudo vi /etc/php/7.\*fpm/php.ini or **sudo vi /etc/php/\*/apache2/php.ini**
- let php support curl and mysql
- add "extension=php\_curl.so" and "extension=php\_mysql.so" into php.ini
- Screen shot as follows:



screen shot as follows:

```
#
Uncomment this to allow local users to log in.
local_enable=YES
#
Uncomment this to enable any form of FTP write command.
write_enable=YES
userlist_deny=NO
userlist_enable=YES
userlist_file=/etc/allowed_users
listen_port=5050
pasv_enable=yes
pasv_min_port=5051
pasv_max_port=5055

#
Default umask for local users is 077. You may wish to change this to 022
if your users expect that (022 is used by most other ftpd's)
#local_umask=022
#
Uncomment this to allow the anonymous FTP user to upload files. This only
has an effect if the above global write enable is activated. Also, you w
obviously need to create a directory writable by the FTP user.
#anon_upload_enable=YES
#
Uncomment this if you want the anonymous FTP user to be able to create
new directories.
#anon_mkdir_write_enable=YES
#
```

- 8, `sudo touch /etc/allowed_users`  
`sudo vi /etc/allowed_users`  
Add 424 ftp into the file

```
424ftp
stonkam
~
~
~
~
~
~
```

- 9, reset ftp  
`sudo service vsftpd restart`

## 2.5 Download CMS server software

```
cd /home/CMSServer/
download file
```

```
sudo curl http://183.233.190.23:6061/software/424/Server/CMSServer_v3.5.9a_20200916.tar -o
CMSServer_v3.5.9a_20200916.tar
```

Warm Prompt:

—: if system noted curl is not existed, please install curl using next cmd  
`sudo apt install curl`

二: if /home/CMSServer is not existed,you can make a dir, for example.

```
sudo mkdir /home/CMSServer
```

then cd /home/CMSServer and download CMSServer\_v3.5.9a\_20200916.tar

in this dictory

```
upcompress CMSServer_v3.5.9a_20200916.tar
```

```
sudo tar -zxvf CMSServer_v3.5.9a_20200916.tar
```

screen shot as follows:

```
joke@joke-virtual-machine:/home/CMSServer$ sudo curl http://183.233.190.23:6061/software/424/Server/CMSServer_v2.3.4_20171226.tar -o CMSServer_v2.3.4_20171226.tar
% Total % Received % Xferd Average Speed Time Time Time Current
 % % % Dload Upload Total Spent Left Speed
100 14.0M 100 14.0M 0 0 198k 0 0:01:12 0:01:12 --:--:-- 226k
joke@joke-virtual-machine:/home/CMSServer$ ls
CMSServer_v2.3.4_20171226.tar
joke@joke-virtual-machine:/home/CMSServer$ sudo tar -zxvf CMSServer_v2.3.4_20171226.tar
ControlServer/
ControlServer/runControlServer.sh
ControlServer/ControlServer
ControlServer/killControlServer.sh
StreamServer/
StreamServer/runStreamServer.sh
StreamServer/StreamServer
StreamServer/killStreamServer.sh
FileTransferServer/
FileTransferServer/FileTransferServer
FileTransferServer/killFileTransferServer.sh
FileTransferServer/runFileTransferServer.sh
FileMove/
FileMove/killFileMove.sh
FileMove/FileMove
FileMove/runFileMove.sh
sk_create.sql
StartCMSServer.sh
StopCMSServer.sh
joke@joke-virtual-machine:/home/CMSServer$ ls
CMSServer_v2.3.4_20171226.tar FileMove sk_create.sql StopCMSServer.sh
ControlServer FileTransferServer StartCMSServer.sh StreamServer
joke@joke-virtual-machine:/home/CMSServer$
```

2, all record will moved in /home/CMSServer/WebServer/Record/ if you do not save record in AS3, So please using next cmd to promote the authority of the directory.

```
sudo chmod -R 777 /home/CMSServer/WebServer/RecordFile/
```

3, if your device upload record through ftp, you must fix FileMoveConfig.ini .change the FtpFlag=1, please enter

```
/home/CMSServer/FileMove/.
```

```
Vi FileMoveConfig.txt
```

```
CopyFileMove.bat FileMove FileMoveConfig.ini FileMove.log FileMove - 英语.log KillF...
root@424Server:/home/stonkam/Securewindows/424CMS_Server/FileMove# cat FileMoveConfig.ini
[ServerSetting]
DBUser=root
DBPassword=stonkam123
DBAddress=127.0.0.1
RecordLogFlag=1
DetailLogFlag=0
FtpFlag=1
FtpSrc=/home/stonkam/Securewindows/ftp/
LogDir=/home/stonkam/Securewindows/424CMS_Server/FileMove
SrcDir=/home/stonkam/Securewindows/FileSaveDir/
DstDir=/home/stonkam/Securewindows/424CMS_Server/webServer/RecordFile/
RecordFileThreadNumber=10
SaveAlarmRecordDay=180
SaveNormalRecordDay=7
root@424Server:/home/stonkam/Securewindows/424CMS_Server/FileMove#
```

四: Modify the permissions directory of the WebServer

```
sudo chmod -R 777 /home/CMSServer/WebServer/
```

## 2.6 Init MySQL db

### 1. login MySQL

```
sudo mysql -h 127.0.0.1 -u root -p
```

screen shot as follows:

```
joke@joke-virtual-machine:/home/CMSServer$ mysql -h 127.0.0.1 -u root -p
Enter password:
Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 12010363
Server version: 5.7.20-0ubuntu0.16.04.1 (Ubuntu)

Copyright (c) 2000, 2017, Oracle and/or its affiliates. All rights reserved.

Oracle is a registered trademark of Oracle Corporation and/or its
affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> █
```

Warm prompt: the password is "123456".

### 2. init database sk

```
source /home/CMSServer/sk_create.sql
```

screen shot as follows:

```
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> use sk;
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Database changed
mysql> source /home/CMSServer/sk_create.sql
Query OK, 12 rows affected (0.01 sec)

Query OK, 1 row affected (0.00 sec)

Database changed
Query OK, 0 rows affected, 1 warning (0.00 sec)
```

## 2.7 Start software

### 1. run ControlServer

```
cd /home/CMSServer/ControlServer
```

```
source runControlServer.sh
```

screen shot as follows:

```
ubuntu@ip-172-31-2-11:/home/CMSServer/FileTransferServer$
ubuntu@ip-172-31-2-11:/home/CMSServer/FileTransferServer$
ubuntu@ip-172-31-2-11:/home/CMSServer/FileTransferServer$
ubuntu@ip-172-31-2-11:/home/CMSServer/FileTransferServer$ cd /home/CMSServer/ControlServer/
ubuntu@ip-172-31-2-11:/home/CMSServer/ControlServer$ ls
ControlConfig.ini ControlServer ControlServer.log killControlServer.sh runControlServer.sh
ubuntu@ip-172-31-2-11:/home/CMSServer/ControlServer$ source runControlServer.sh
ubuntu@ip-172-31-2-11:/home/CMSServer/ControlServer$ ReInit:/home/CMSServer/ControlServer/ControlServer.log
█
```

### 2. run StreamServer



```
cd /home/CMSServer/StreamServer
source runStreamServer.sh
```

screen shot as follows:

```
ubuntu@ip-172-31-2-11:/home/CMSServer/StreamServer$ cd /home/CMSServer/StreamServer/
ubuntu@ip-172-31-2-11:/home/CMSServer/StreamServer$ source runStreamServer.sh
ubuntu@ip-172-31-2-11:/home/CMSServer/StreamServer$ ReInit:/home/CMSServer/StreamServer/StreamServer.log
```

### 3. run FileTransferServer

```
cd /home/CMSServer/TileTransferServer
source runFileTransferServer.sh
```

screen shot as follows:

```
ubuntu@ip-172-31-2-11:/home/CMSServer/FileTransferServer$
ubuntu@ip-172-31-2-11:/home/CMSServer/FileTransferServer$ cd /home/CMSServer/FileTransferServer/
ubuntu@ip-172-31-2-11:/home/CMSServer/FileTransferServer$ ls
FileTransferServer killFileTransferServer.sh runFileTransferServer.sh
ubuntu@ip-172-31-2-11:/home/CMSServer/FileTransferServer$ source runFileTransferServer.sh
ubuntu@ip-172-31-2-11:/home/CMSServer/FileTransferServer$ can not find configure,will build default config file
ReInit:/home/CMSServer/FileTransferServer/FileTransferServer.log
```

### 4. run FileSaveServer

```
cd /home/CMSServer/FileSaveServer
source runFileSaveServer.sh
```

### 5. run FileMove

```
cd /home/CMSServer/FileMove/

source runFileMove.sh
```

screen shot as follows:

```
ubuntu@ip-172-31-2-11:/home/CMSServer/FileMove$
ubuntu@ip-172-31-2-11:/home/CMSServer/FileMove$ cd /home/CMSServer/FileMove/
ubuntu@ip-172-31-2-11:/home/CMSServer/FileMove$ ls
FileMove FileMoveConfig.ini FileMove.log killFileMove.sh runFileMove.sh
ubuntu@ip-172-31-2-11:/home/CMSServer/FileMove$ source runFileMove.sh
ubuntu@ip-172-31-2-11:/home/CMSServer/FileMove$ FileMoveConfig,srcdir [/home/ftp/],dstdir [/home/CMSServer/webServer/RecordFile/]
ReInit../FileMove.log
```

#### Attention 1:

If the DVR uploads record file use ftp (old DVR version that produced before 20181230 use ftp, new DVR version that produced after 20181230 use private protocol), please fix the SrcDir of FileMoveConfig.txt ,defaultly the value of SrcDir is /home/CMSServer/FileSaveDir/ This is suitable for the new DVR version)

vi FileMoveConfig.txt

change SrcDir into /home/CMSServer/ftp/

then sudo./killFileMove.sh, after killing FileMove, HouseDog will reset it automactly

The FileMove program will move the files of ftp dir (/home/CMSServer/ftp/) into new dir (/home/CMSServer/WebServer/RecordFile/) then you can use CMS client query and download it. For example:

| Plate No | Begin       | End Ti...   | Status     | Percent | Downl... | File Siz... | File Type | File Na... | File Po...  |
|----------|-------------|-------------|------------|---------|----------|-------------|-----------|------------|-------------|
| Test002  | 2018-05-... | 2018-05-... | Not Dow... | 0%      |          | 11          | motion    | 2018051... | Media Se... |
| Test002  | 2018-05-... | 2018-05-... | Not Dow... | 0%      |          | 11          | motion    | 2018051... | Media Se... |
| Test002  | 2018-05-... | 2018-05-... | Not Dow... | 0%      |          | 10          | motion    | 2018051... | Media Se... |
| Test002  | 2018-05-... | 2018-05-... | Not Dow... | 0%      |          | 5           | motion    | 2018051... | Media Se... |
| Test002  | 2018-05-... | 2018-05-... | Not Dow... | 0%      |          | 10          | motion    | 2018051... | Media Se... |
| Test002  | 2018-05-... | 2018-05-... | Not Dow... | 0%      |          | 10          | motion    | 2018051... | Media Se... |
| Test002  | 2018-05-... | 2018-05-... | Not Dow... | 0%      |          | 10          | motion    | 2018051... | Media Se... |
| Test002  | 2018-05-... | 2018-05-... | Not Dow... | 0%      |          | 10          | motion    | 2018051... | Media Se... |
| Test002  | 2018-05-... | 2018-05-... | Not Dow... | 0%      |          | 11          | motion    | 2018051... | Media Se... |
| Test002  | 2018-05-... | 2018-05-... | Not Dow... | 0%      |          | 11          | motion    | 2018051... | Media Se... |
| Test002  | 2018-05-... | 2018-05-... | Not Dow... | 0%      |          | 11          | motion    | 2018051... | Media Se... |
| Test002  | 2018-05-... | 2018-05-... | Not Dow... | 0%      |          | 10          | motion    | 2018051... | Media Se... |
| Test002  | 2018-05-... | 2018-05-... | Not Dow... | 0%      |          | 11          | motion    | 2018051... | Media Se... |
| Test002  | 2018-05-... | 2018-05-... | Not Dow... | 0%      |          | 11          | motion    | 2018051... | Media Se... |
| Test002  | 2018-05-... | 2018-05-... | Not Dow... | 0%      |          | 8           | motion    | 2018051... | Media Se... |
| Test002  | 2018-05-... | 2018-05-... | Not Dow... | 0%      |          | 11          | motion    | 2018051... | Media Se... |
| Test002  | 2018-05-... | 2018-05-... | Not Dow... | 0%      |          | 11          | motion    | 2018051... | Media Se... |
| Test002  | 2018-05-... | 2018-05-... | Not Dow... | 0%      |          | 11          | motion    | 2018051... | Media Se... |
| Test002  | 2018-05-... | 2018-05-... | Not Dow... | 0%      |          | 10          | motion    | 2018051... | Media Se... |

**Attention 2:**

If you want to move the files of ftp into AWS3, you must set the information of AWS3, and change the UploadCloudType into AWS3 in web manage.

**First:** login your system using account admin. Default password is "123456".

If your address of CMS Server is 183.233.190.23, please input next url in browser <http://183.233.190.23:6061>

Click Setting->Cloud Account->EditAccount (Add Account) and input new information.

| CloudType | CloudHost                       | BaseBucket              | AccessKey            | SecretKey             |
|-----------|---------------------------------|-------------------------|----------------------|-----------------------|
| 1         | s3.ap-northeast-1.amazonaws.com | stg-forkers-stonkam-int | AKIAIY5GERJ3CFT6LG2Q | yunxzc ox/u5DjzOpsmf3 |

**Second:** please fix the storage mode of the server.

Click Setting->BasicSetting, change the UploadCloutType into Amazon S3, then click Edit and click the button of reset CMSServer.

The screenshot shows the CMS Web Management System interface. The main menu on the left includes Manage (User Info, Group Info, Device Info), Setting (Cloud Account, Basic Setting), and Basic Setting. The main content area displays a table of settings for 'Basic Setting' with columns: ControlPort, StreamPort, FileTransferPc, FileSavePort, VoiceTalkPort, ListenDriverPc, SelfHttpPort, SelfHttpsPort, WebServerPort, WebServersPort, UploadCloudT, RecordSaveTy, and NetWork. A modal window titled 'Edit Basic Setting' is open, showing the following fields:

|                  |           |
|------------------|-----------|
| SelfHttpPort:    | 6060      |
| SelfHttpsPort:   | 6062      |
| WebServerPort:   | 6061      |
| WebServersPort:  | 6063      |
| UploadCloudType: | Amazon S3 |
| RecordSaveType:  | all file  |
| NetWorkCard:     | em2       |

Buttons for 'Edit' and 'Cancel' are visible at the bottom of the modal.

## 6. run HouseDog

```
cd /home/CMSServer/HouseDog/
source runHouseDog.sh
```

## 2.8 Port map

If you want MDVR connect CMS Server using 3G/4G. you must make port map in your route.

And 5050, 5051, 5052, 5053, 5054, 5055, 6060, 6061, 6062, 6063, 9090, 9091, 9092, 9093, 9094, 9095, 8082, 8083 should be routed to your pc hardware installing Ubuntu os.

## 2.9 How to auto run when machine reboot

一: Please create one script /etc/rc.local

```
touch /etc/rc.local
```

二: set authority of script

```
chmod -R 777 /etc/rc.local
```

三: add command in script

```
#!/bin/sh -e
```

```
sleep 2
```

```
cd /home/CMSServer/
```

```
sudo ./StartCMSServer.sh
```

```
exit 0
```

Screen shot as follows:



```
stonkam@srvdvrcaamiontst:~$ cat /etc/rc.local
#!/bin/sh -e
sleep 2
cd /home/CMSServer/
sudo ./StartCMSServer.sh
exit 0

stonkam@srvdvrcaamiontst:~$
```

## 2.10 How to stop CMS server

please cd /home/CMSServer  
sudo ./StopCMSServer.sh

## 2.11 How to fix password of MySQL

一, Please fix password of MySQL first:

- 1, sudo service mysql stop
- 2, sudo mysqld\_safe --skip-grant-tables&

If error:

```
sudo mkdir -p /var/run/mysqld
sudo chown mysql:mysql /var/run/mysqld
sudo mysqld_safe --skip-grant-tables&
```

- 3, mysql -u root mysql

```
mysql> UPDATE user SET password=PASSWORD('123456') WHERE user='root';
```

If error:

```
update user set authentication_string = PASSWORD('123456') where user='root';
update user set plugin="mysql_native_password";
mysql> FLUSH PRIVILEGES;
```

二, If you fix password of MySQL, you need to fix password and username of programs.

① Please

```
cd /home/CMSServer/ControlServer
Vi ControlConfig.ini
Fix keys of DBUser and DBPassword.
```

```

[ServerSetting]
DBUser=root
DBPassword=123456
DBAddress=127.0.0.1
RecordLogFlag=1
DetailLogFlag=0
LogDir=/home/CMSServer/ControlServer
MaxVerifyThreadNumber=10
MaxReadThreadNumber=10
MaxSendThreadNumber=10
AllowFixData=0
AllowMutiallocate=1
FactoryPassword=factory
FactoryAdminPassword=FactoryAdmin
SaveFileBaseDir=/home/CMSServer/Filesaved
SessionIdCheckFlag=0
~
~
~

```

② please  
 cd /home/CMSServer/StreamServer,/home/CMSServer/FileTransferServer,/home/CMSServer/FileSaveServer and do same operations.

③ please cd /home/CMSServer/  
 vi WebConfig.php  
 Fix UserName and Password, snap picture is next:

```

ubuntu@ip-172-31-38-197:/home/CMSServer/webServer$ vi webconfig.php
<?php
define("DB_ADDRESS","127.0.0.1");
define("DB_USER_NAME","root");
define("DB_PASSWORD","123456");
define("DB_PORT",3306);
?>
~
~
~
~

```

1. reboot Server  
 cd /home/CMSServer  
 First: Sudo ./StopCMSServer.sh  
 Second: sleep several seconds and wait all Apps have been killed then  
 sudo ./StartCMSServer.sh

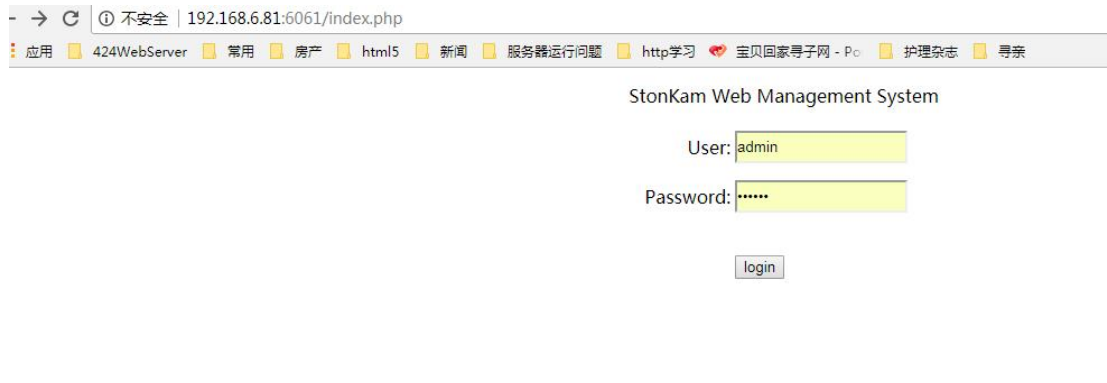
### 3. Add User and Devices Info in Yourself CMS Server

defaultly CMS server have a user "admin", and its password is "123456". And you can add child user for "admin".

Supposing ip of CMS Server is "192.168.6.81". and you need login the web management system using web, the url is http://192.168.6.81:6061/index.php

## 3.1 Login server

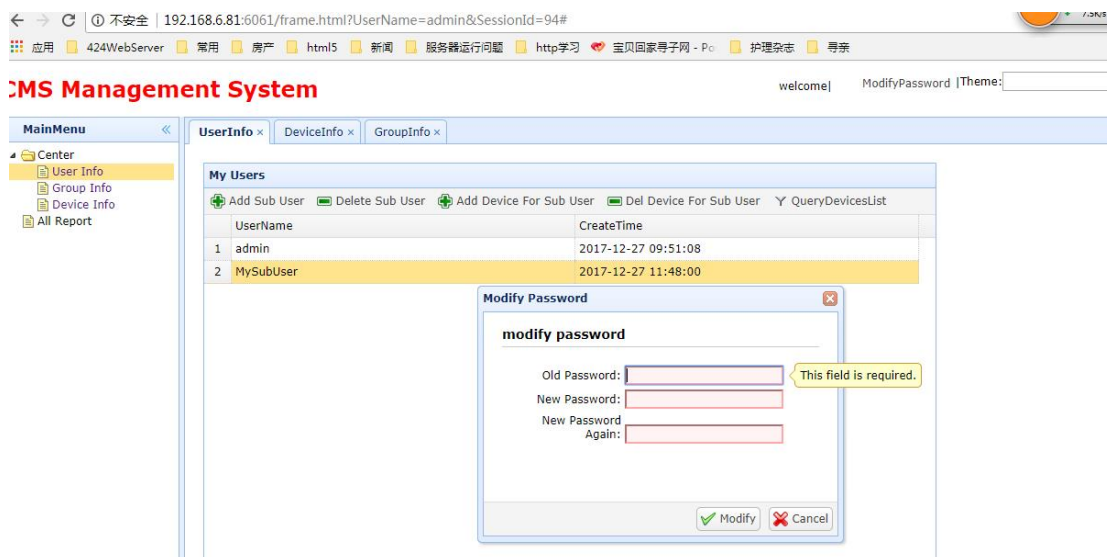
Open the url <http://192.168.6.81:6061/index.php> using chrome browser or firefox browser, the user is “admin”, password is “88888888”, screen shot as follow:



## 3.2 Fix password of user

If you want to fix your password, you can do next.

Click ModifyPassword, screen shot as follows:



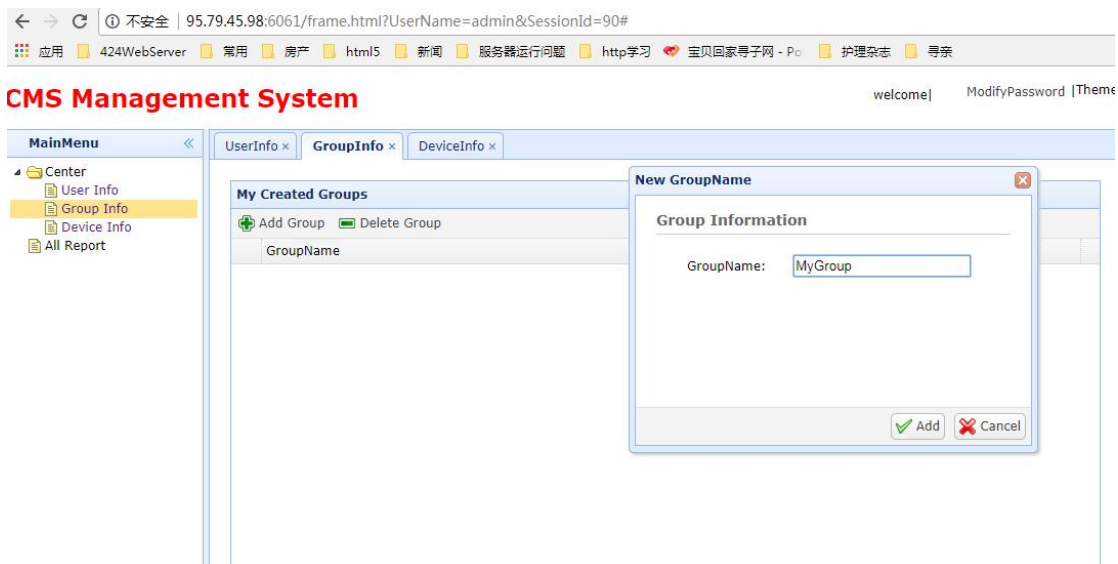
## 3.3 Group info

### 3.3.1 Add Group

You must create a group first, because every device belongs to a group.

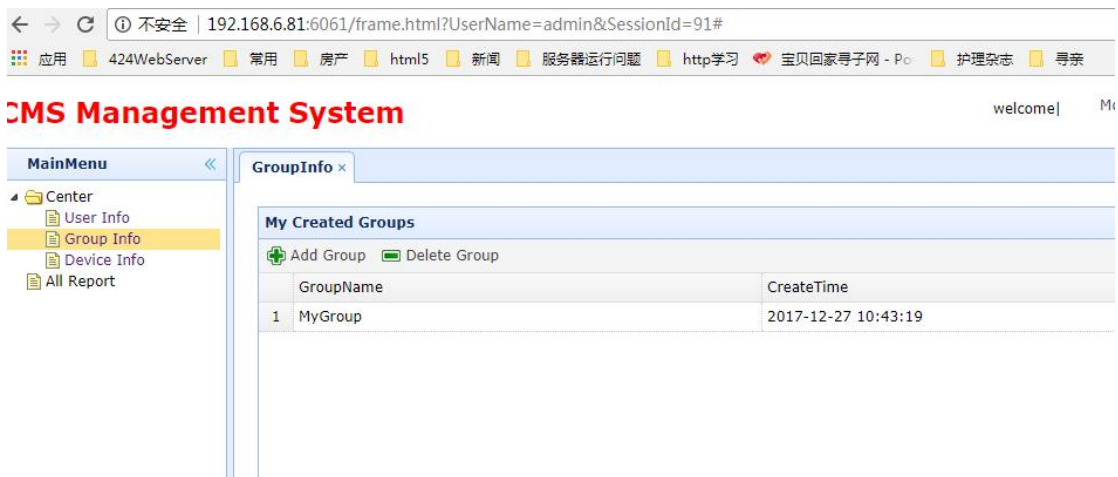
**First:**

Please click Group Info->Add Group, and input a GroupName in the dialog, screen as follow:



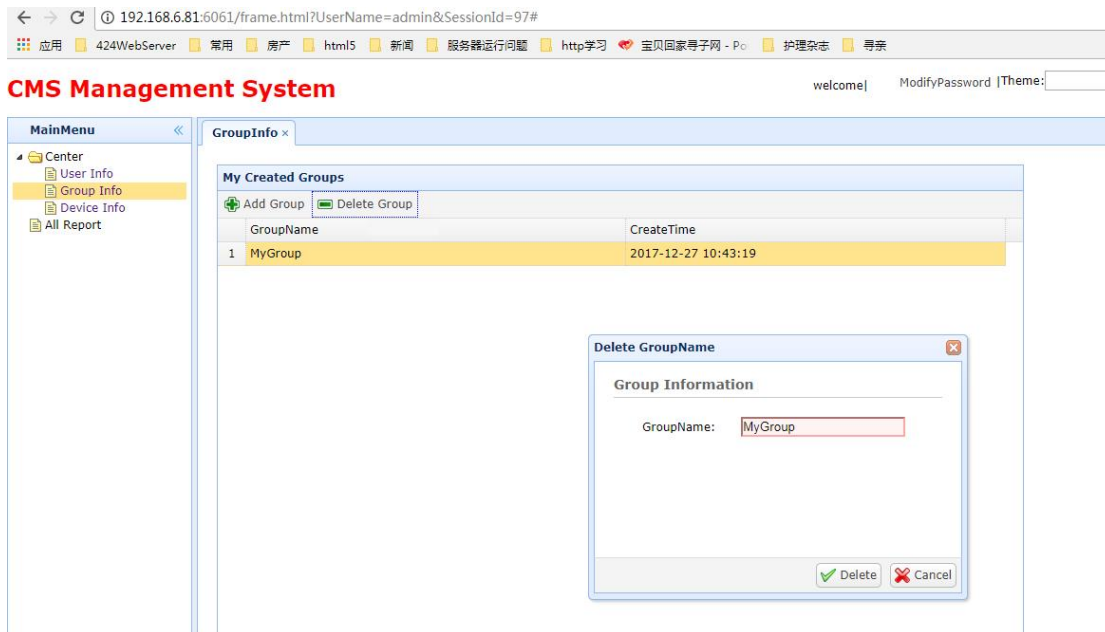
**Second:**

click add, then the GroupName will appear in the list table, screen shot as follow:



**3.3.2 Delete Group**

Select the row of group name that you want to delete, then click Delete Group, click Delete. Screen shot as follows:



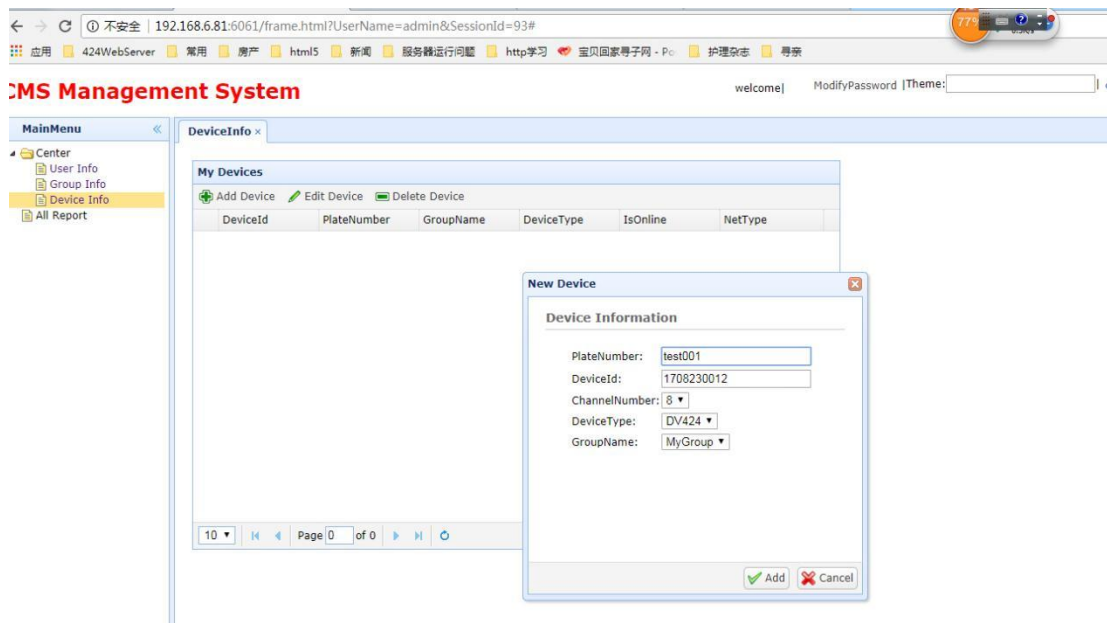
## 3.4 Device info

### 3.4.1 Add Device

After creating a group, you can add Device

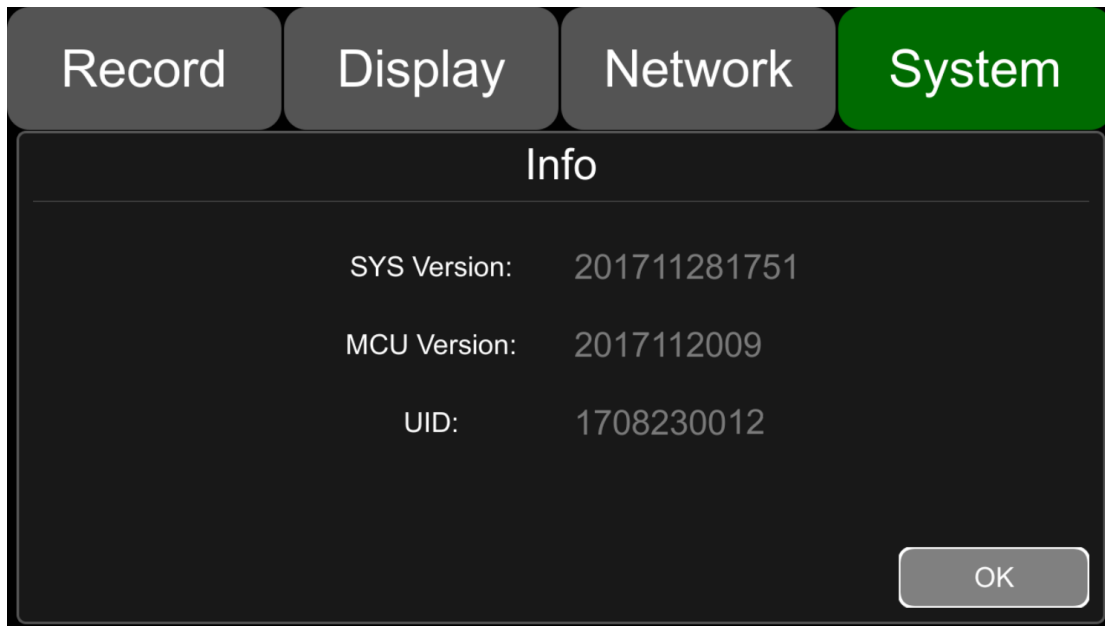
**First:**

click Device->Add Device, then input PlateNumber, DeviceId, ChannelNumber, DeviceType, GroupName and so on, screen shot as follows:



Warm prompt:

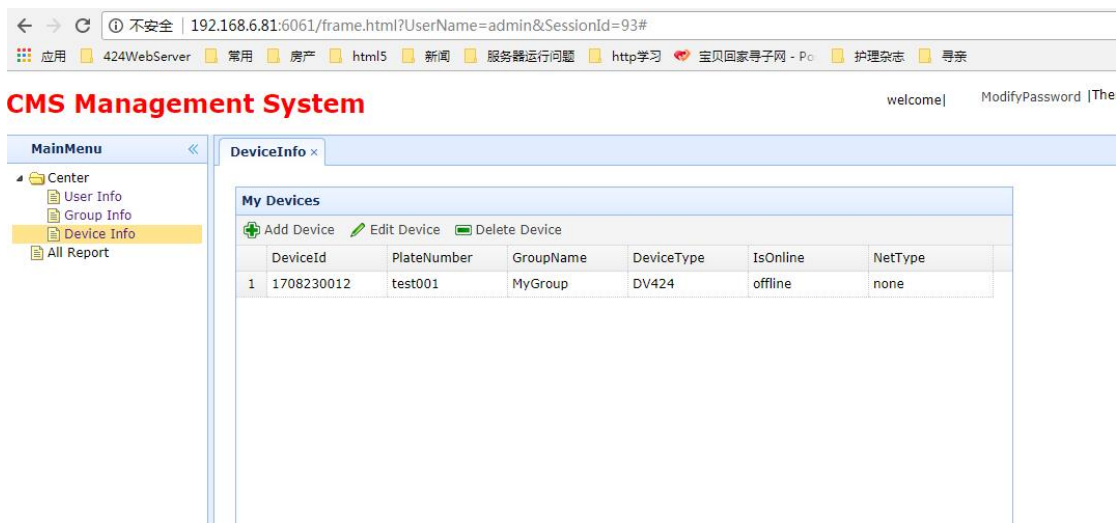
- ① the Device Id is the UUID, you can find it in the DVR, please click System->info in DVR, and you can find the UUID, screen shot as follows:



- ② If the type of DVR is “DV424”, the ChannelNumber should be setted 8, if the type of DVR is “DV425”, the channelnumber should be setted 4.

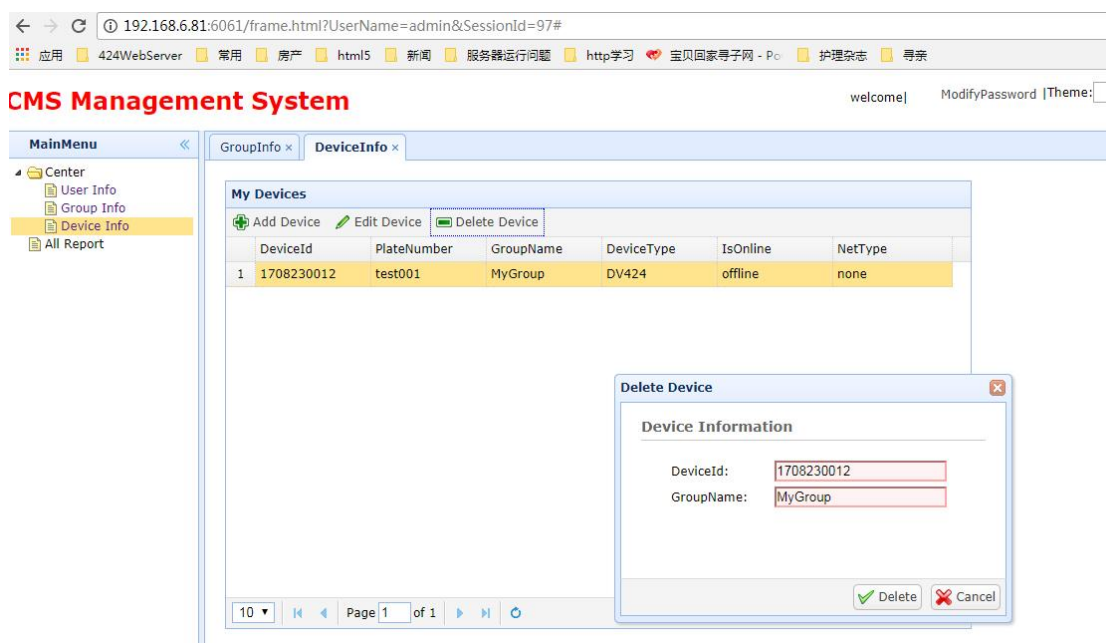
**Second:**

Click add, then the device information will appear in the list table, screen shot as follows:



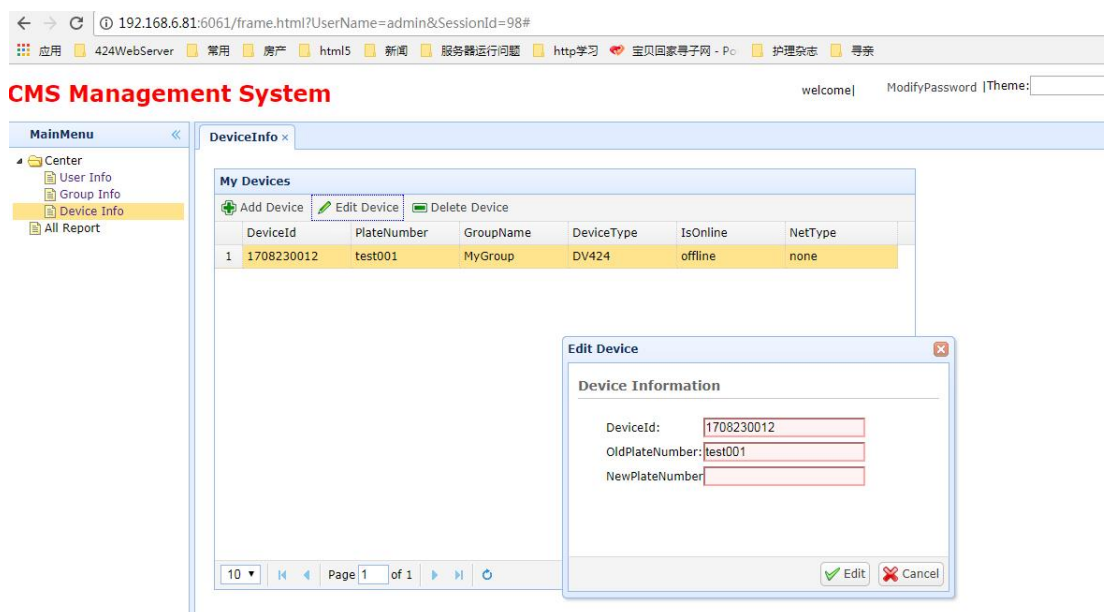
**3.4.2 Delete Device**

Select the row of device that you want to delete, then click Delete Device, click Delete. Screen shot as follows:



### 3.4.3 Edit Device

Select the row of Device that you want to edit, click Edit Device, and you can input new PlateNumber here, screen shot as follows:

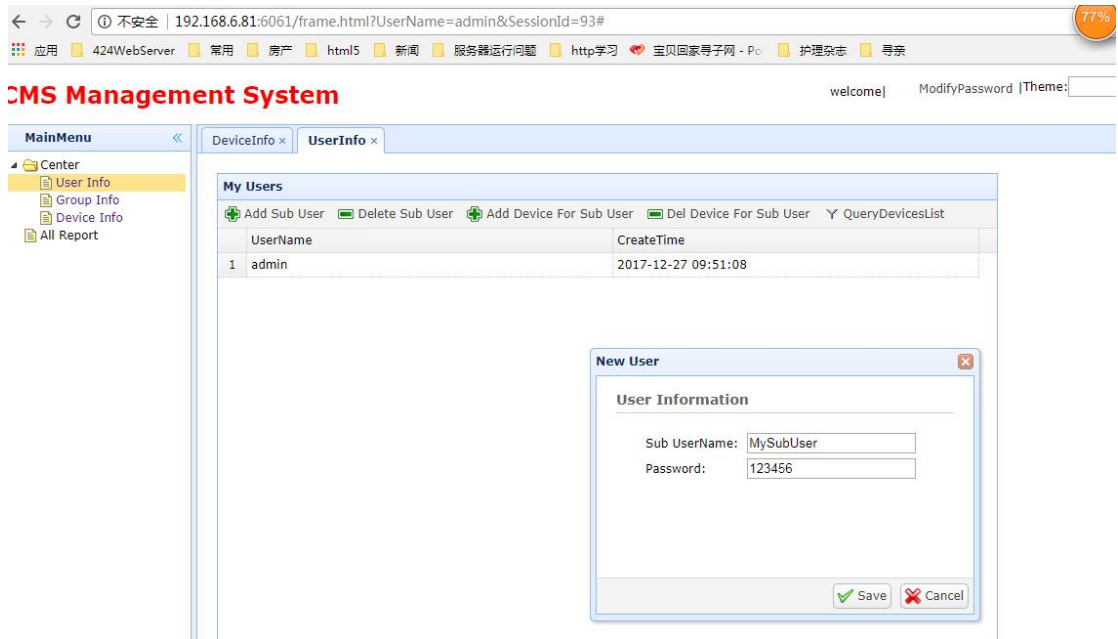


## 3.5 Add sub user

If you sell a DVR to your customer, you need add a sub user name for your customer, and allocate the DVR to your customer who had bought to the sub user name.

### First:

Click User Info->Add Sub User, input sub user name and password please, screen shot as follows:



**Second:**

Click Save, the the sub username will appear in the list table:



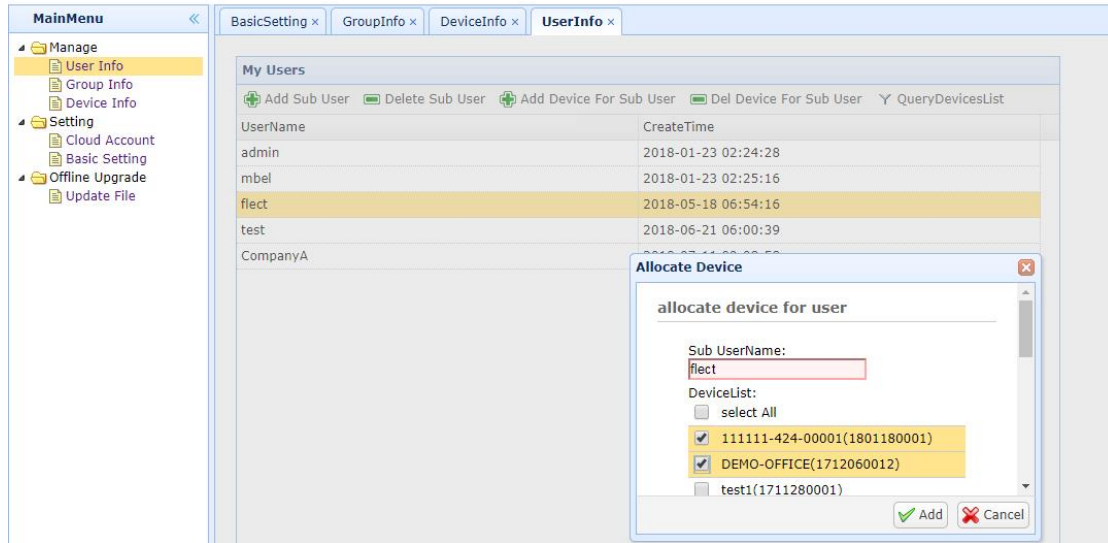
**3.6 Add Device for sub user**

If you have added some devices for admin,you can add Devices for your sub User.

**First:**

Click UserInfo, select one sub user, then click Add Device For Sub User, select the devices that you want to add, screen shot as follows:





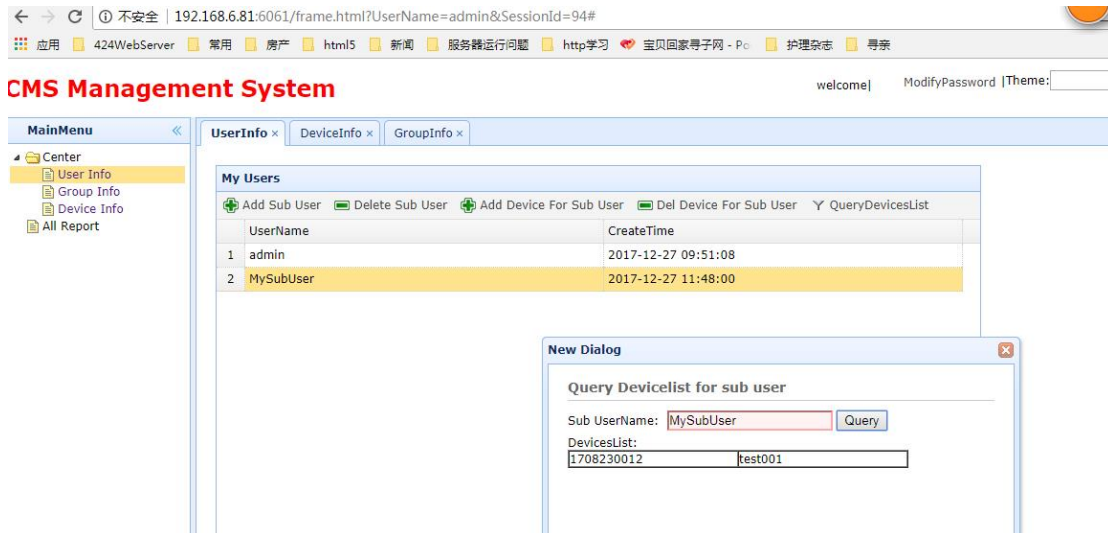
**Second:**

Click Add, the DeviceId will be allocated to the user MySubUser.

### 3.7 Query devices list for sub user

You can query devices list for your sub user.

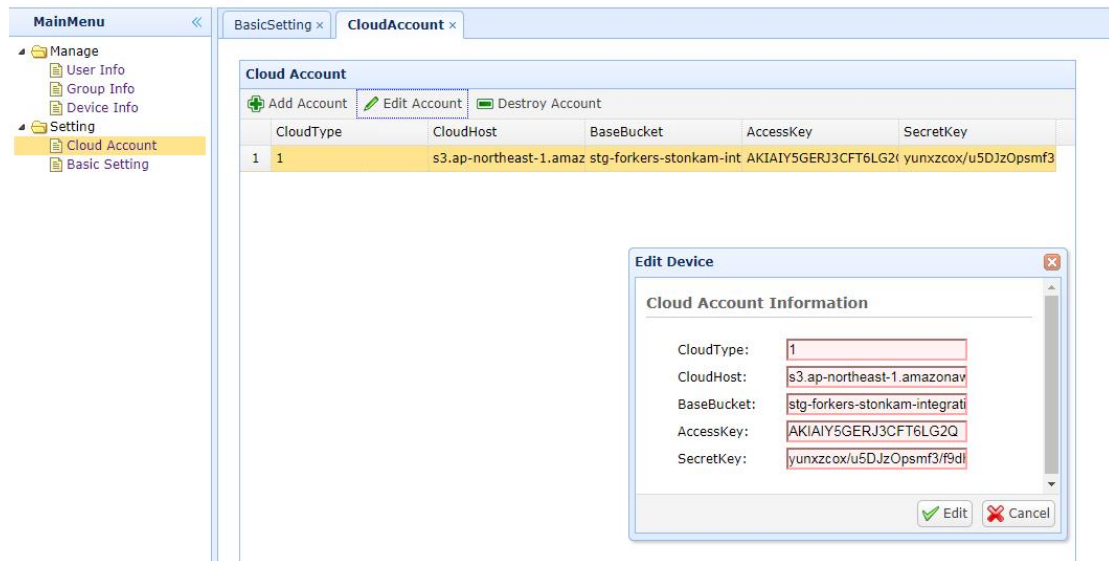
Click UserInfo->QueryDeviceList, and input sub user name, click query.



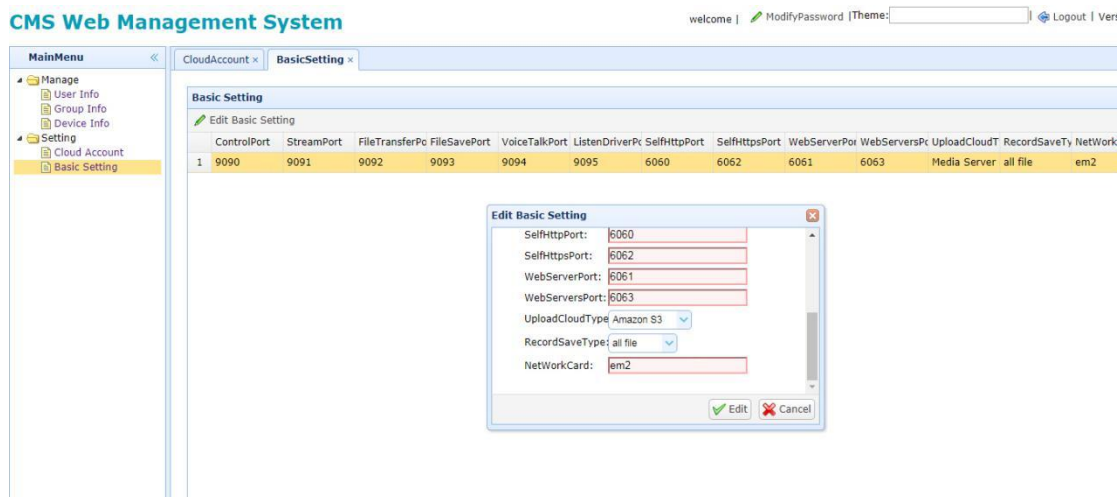
### 3.8 Save Record of DVR

If you want to store record of DVR in S3 of AWS, please excute next step:

- ① You can fix the information of aws3, for example:  
Click Setting->Cloud Account->EditAccount (Add Account) and input new informaiton



- ② Please fix the storage mode of the server.  
Click Setting->BasicSetting, change the UploadCloudType into Amazon S3, then click Edit.



- ③ If version of DVR is earlier than 20191229 and soft hardware of dvr is common version, we need add "FtpFlag = 1" for config of FileMove,because in common version, dvr upload record file using ftp.

```
cd /home/CMSServer/FileMove
vi FileMoveConfig.txt
```

```
[ServerSetting]
DBUser=root
DBPassword=123457
DBAddress=127.0.0.1
RecordLogFlag=0
DetailLogFlag=0
FtpFlag=1
LogDir=/mnt/hgfs/PlatformRepository/424CMS_Server/Progect/App/FileMove
SrcDir=/home/CMSServer/FileSaveDir/
DstDir=/home/CMSServer/WebServer/RecordFile
RecordFileThreadNumber=10
```

```
Then cd /home/CMSServer/ reboot server
Sudo ./StopCMSServer.sh
Sudo ./StartCMSServer.sh
```

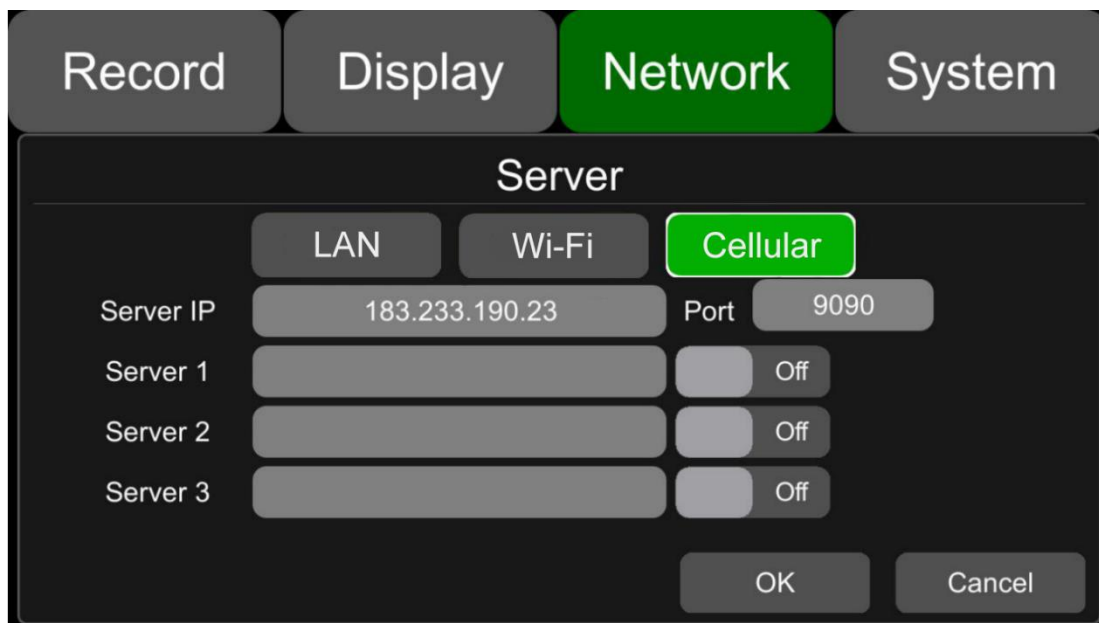
## 4. Let DVR Connect Yourself CMS Server

If you want to install yourself CMS server, and supposing you have installed it successfully, you need to change the server ip of your DVR into your internet ip of your CMS server, please fix it. Screen shot as follows:

### 4.1 Change 3g server ip of your DVR

If your DVR connect yourself CMS server using 3g, please change 3g server ip into your real server internet ip.

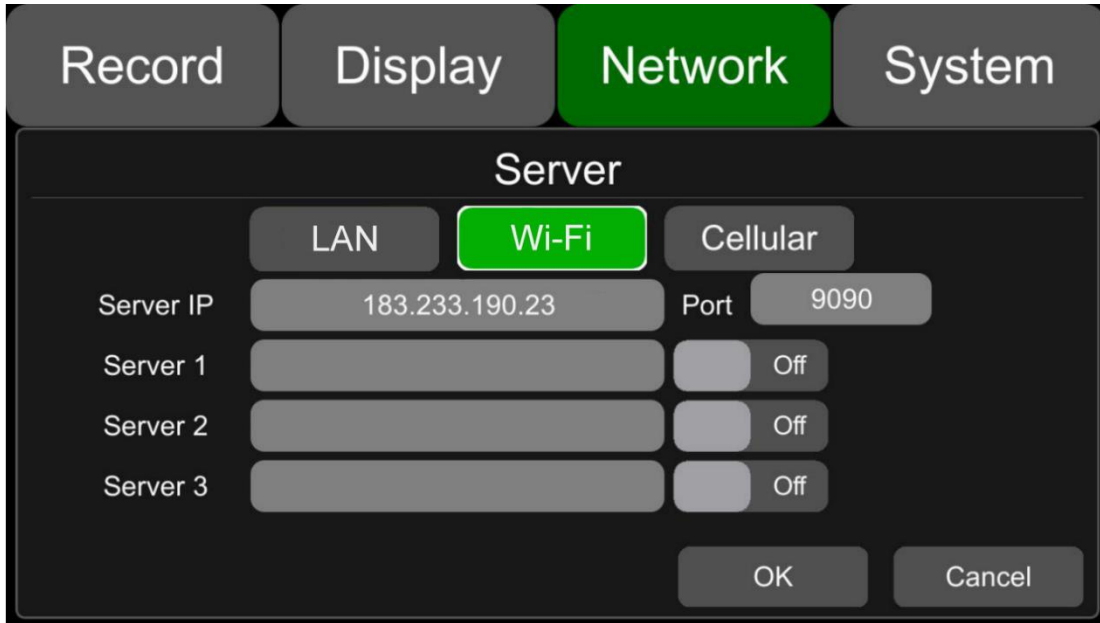
NetWork->Server->Cellular. Screen shot as follows:



### 4.2 Change wifi server ip of your DVR

If your DVR connect yourself CMS server using wifi, please change wifi server ip into your real server internet ip.

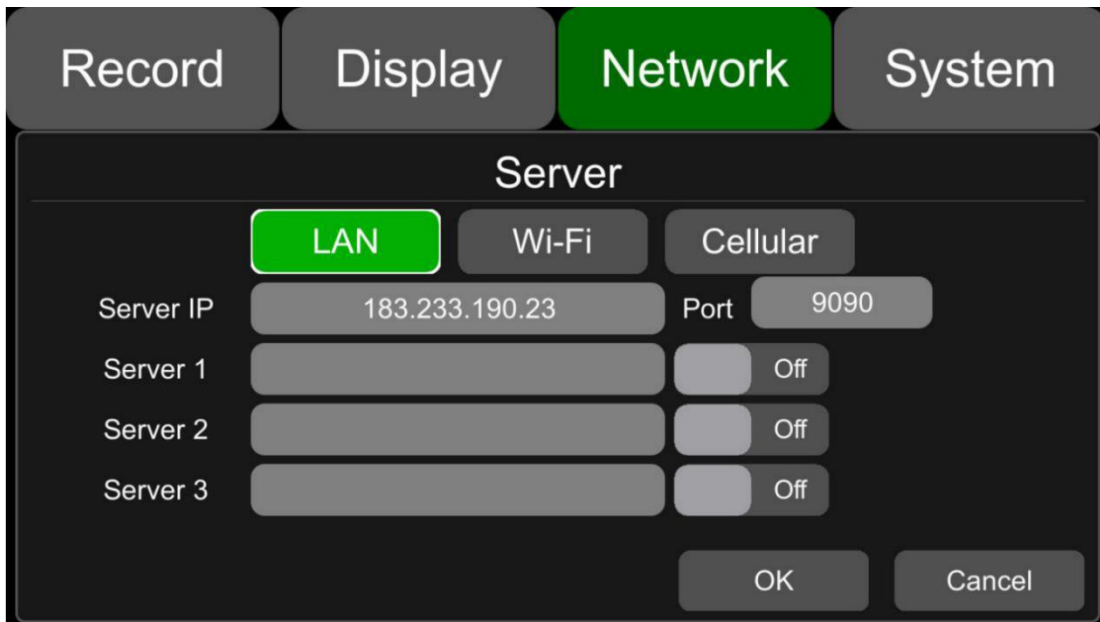
NetWork->Server->wi-fi. Screen shot as follows:



### 4.3 Change lan server ip of your DVR

If your DVR connect yourself CMS server using lan, please change lan server ip into your real server internet ip.

NetWork->Server->lan. Screen shot as follows:



## 5. Using CMS Client

If the UUID of DVR has been added into the CMS server and user have created. Customer can user CMS client login server and view the DVR. And CMS client can be runned in windows 7/8/10 only.

## 5.1 Login server

Suppose your serverIp is 192.168.6.81, and UserName/Password created in 3.2 is test/12323213.

ServerIP: 192.168.6.81

UserName: test

Password: \*\*\*\*\*

Save Password

Sign In

## 5.2 Main GUI

CMS Client v1.6.1.1

Live View Playback Track Manage Settings

Center

- Group14
  - test\_plat

| Vehicle | Alarm               | Events           | License No                |
|---------|---------------------|------------------|---------------------------|
|         | Time                | Type             |                           |
|         | 2017-11-14 10:58:08 | System           | Stream Server ReConnect   |
|         | 2017-11-14 10:57:56 | System operation | Login Server Successfully |
|         | 2017-11-14 10:57:56 | System           | Stream Server Connect Fa  |

RunTime: 00:00:19, Online:0, Total:1, ServerIP:192.168.6.81

## 5.3 CMS client manual

More details about using CMS client can be found in next document  
424 Network Monitoring Manual\_v1.1.docx.