

WebSMS User Manual

v1.8

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Definitions and abbreviations

Definitions

For the purposes of the present document, the following terms and definitions apply:

Customer: Subscriber

IC Card: Integrated Circuit Card, or Smart Card

Product: collection of services(or Programs) marketed as a single entity

Program: Service or Channel

Device: IC Card and STB

Sub-Operator: The top level MSO include one or more sub-operators, all the sub-operators manage their own subscribers and IC cards and so on separately.

Business Hall: One sub-operator include one or more business halls, all the business halls from a sub-operator share the subscribers and IC cards and so on from the sub-operator.

Abbreviations

For the purposes of the present document, the following abbreviations apply:

CA	Conditional Access
CAS	Conditional Access System
PPV	Pay Per View
PPC	Pay Per Channel
STB	Setting Top Box
EMMG	Entitle Message Management Generator
ECMG	Entitle Control Management Generator
AC	Access Criteria
OSD	Over Screen Display

Server Requirements

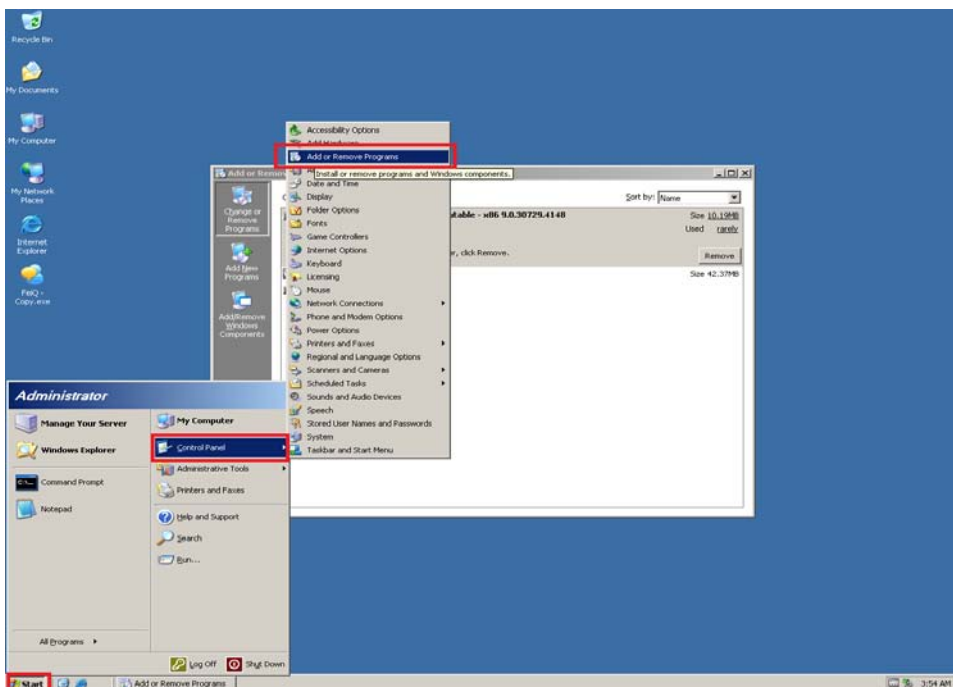
- Operation System: Windows server 2003 and above are suggested. Windows Server 2003 and Windows server 2008 are applied in this doc as an example;
- CPU: 2GHz and above are suggested;
- Memory: 2G and above are suggested;
- SQL Server Version: Microsoft SQL Server2005 Enterprise Edition or Standard Edition, Microsoft SQL Server2008 Enterprise Edition or Standard Edition. Microsoft SQL

Server2005 Enterprise Edition and Microsoft SQL Server2008 Enterprise Edition are applied in this doc as an example.

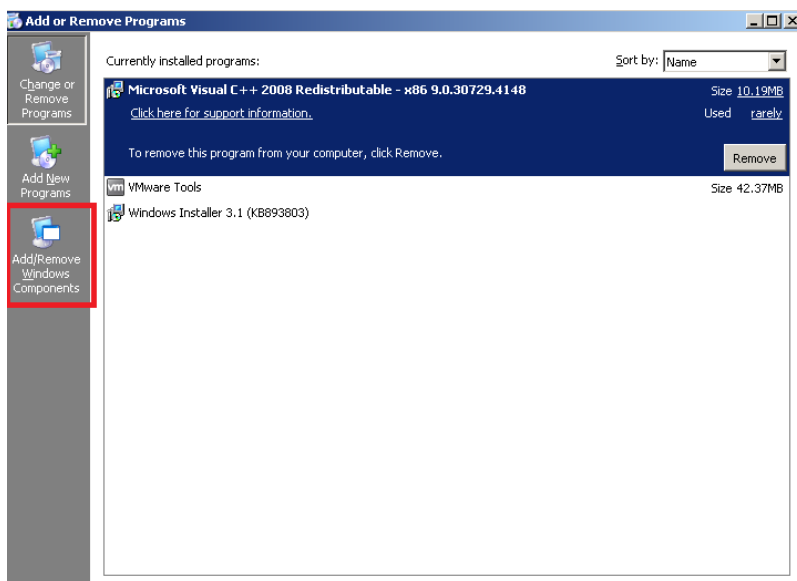
* Hardware and software mentioned are provided by operators.

Install IIS on Windows Server 2003

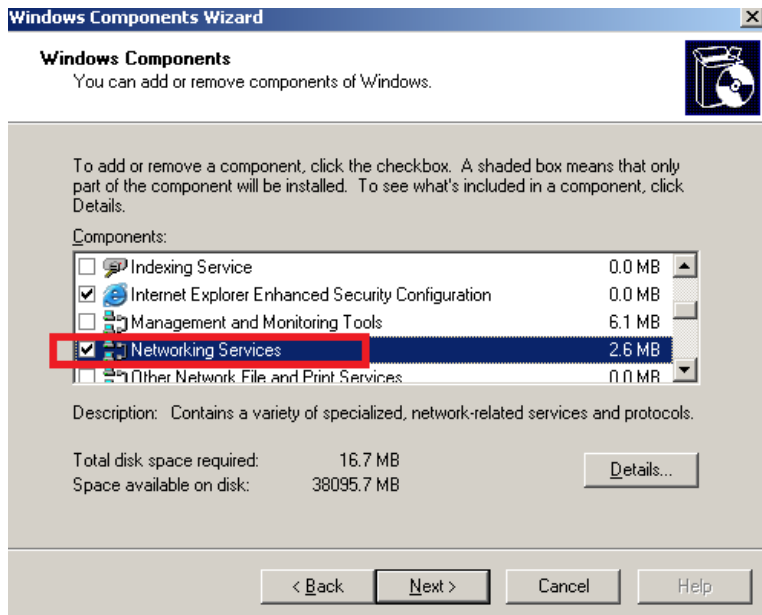
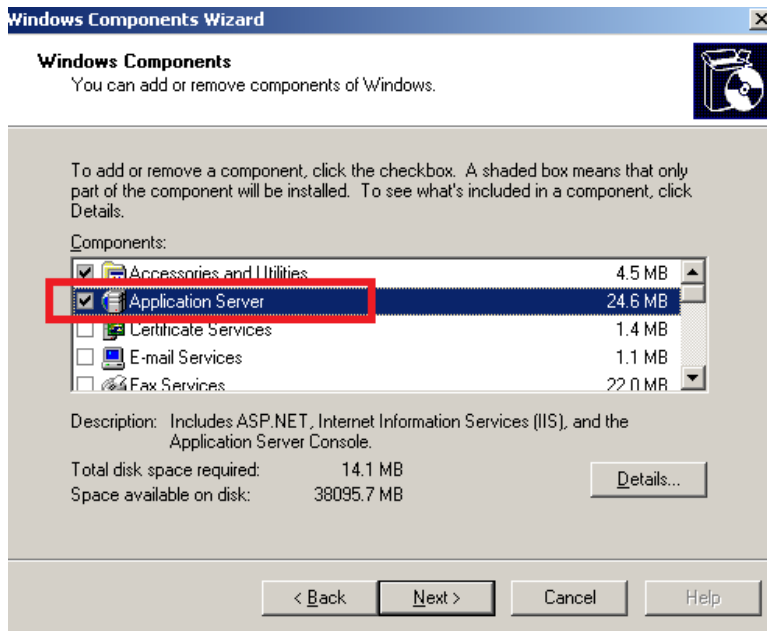
click **Start Menu** -> Control Panel -> Add or Remove Programs -> Add/Remove Windows Components.



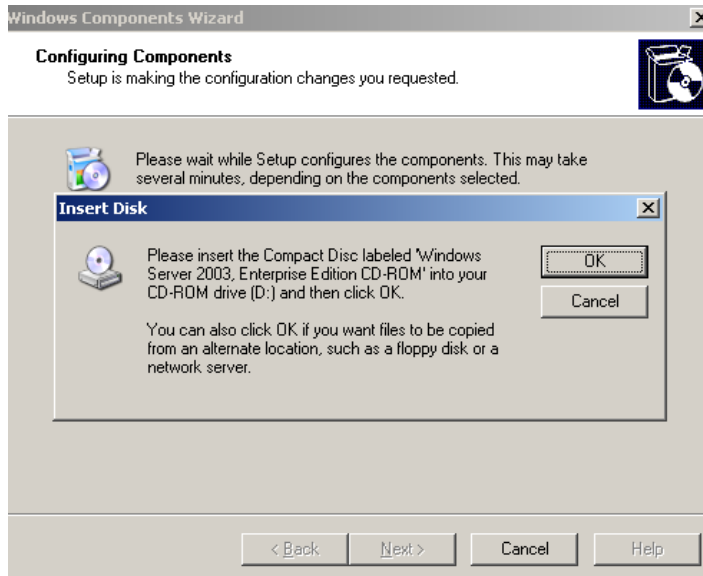
click Add/Remove Windows Components.



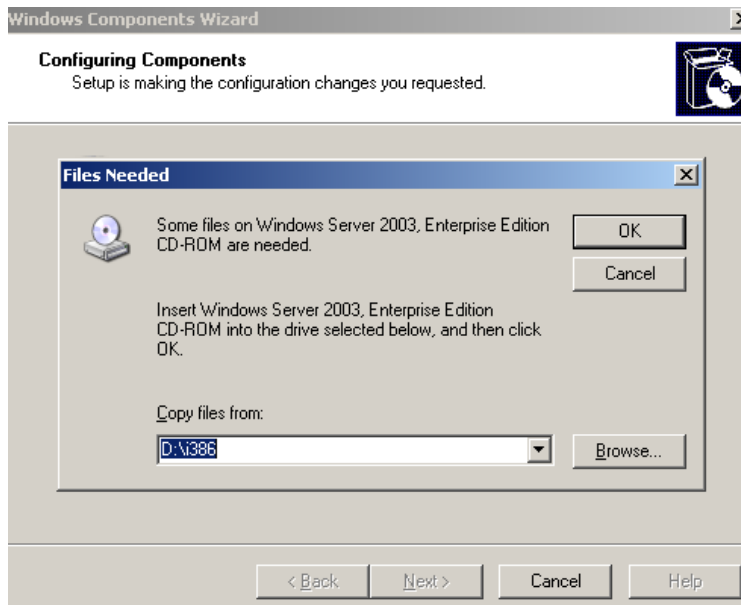
Check Application Server and Network Services



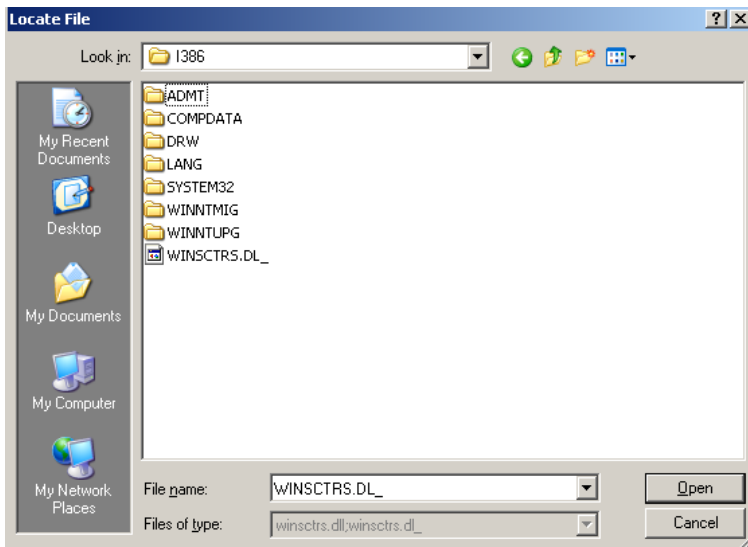
click Next, maybe show a dialog.



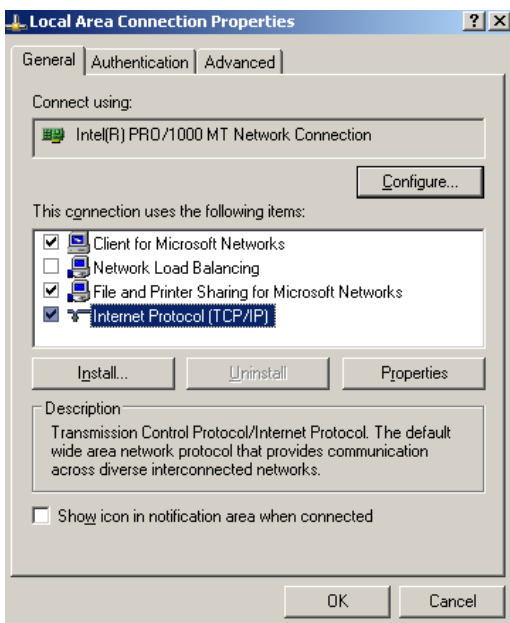
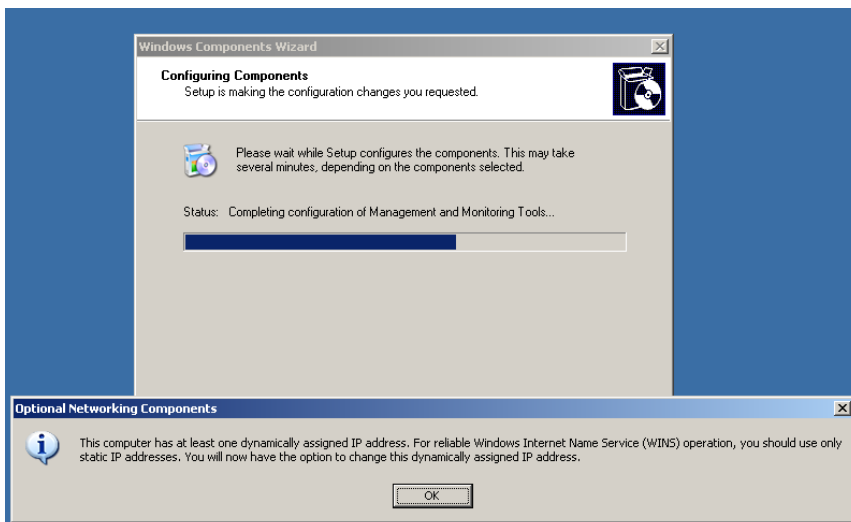
click OK, maybe need plug in a CD of installation of Windows 2003, browse the CD and click OK

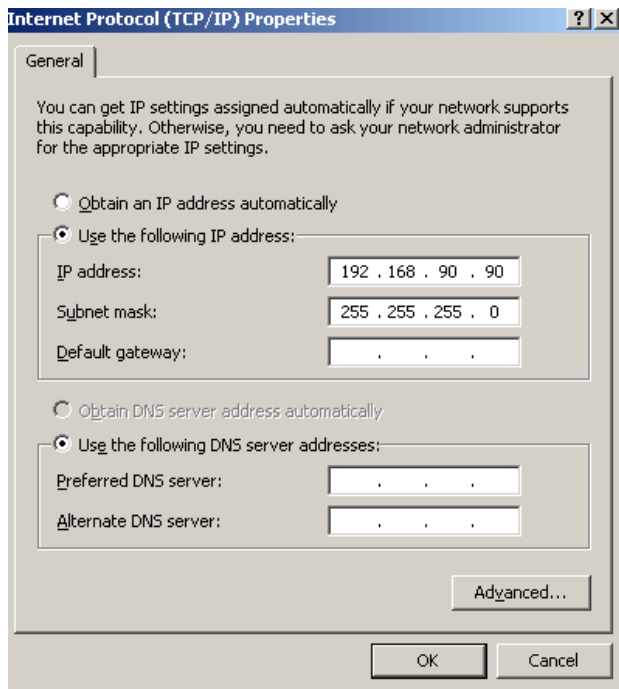


if the CD of windows 2003 installation is not inserted, find the file manually.



Setting IP Address for the server may be needed while installing IIS





click Finish



Install IIS on Windows Server 2008

1. To start Server Manager, click **Start Menu** -> **Control Panel**-> **Administrative Tools** -> **Server Manager**. The Server Manager window opens.

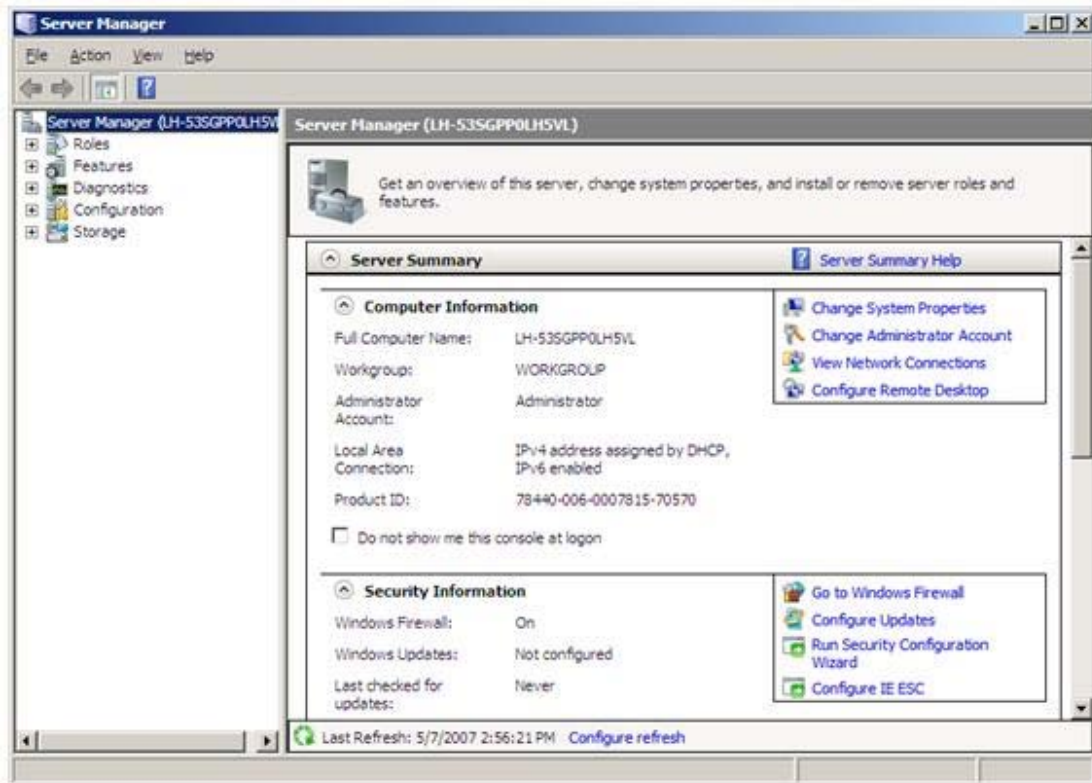


Figure 8: Server Manager

2. In the **Server Manager** window, select **Roles**. The Role Summary View is displayed.

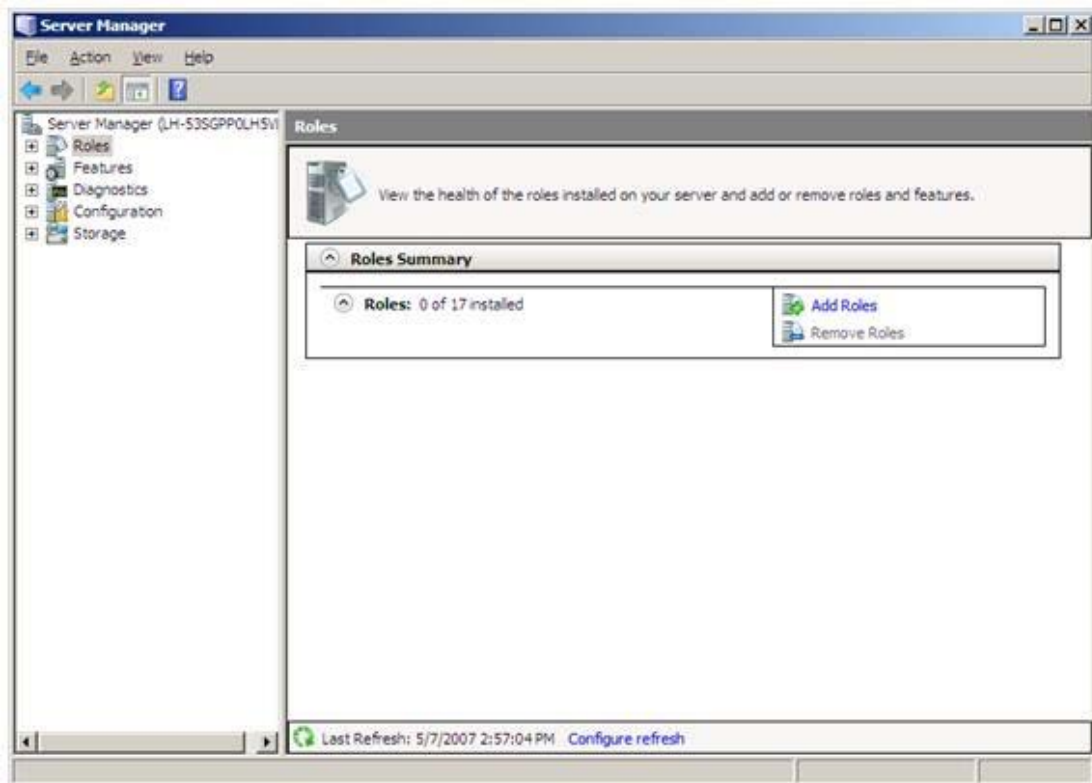


Figure 9: Start Add Roles Wizard

3. Click **Add Roles**. The Add Roles Wizard opens. Click **Next** to select roles to install.

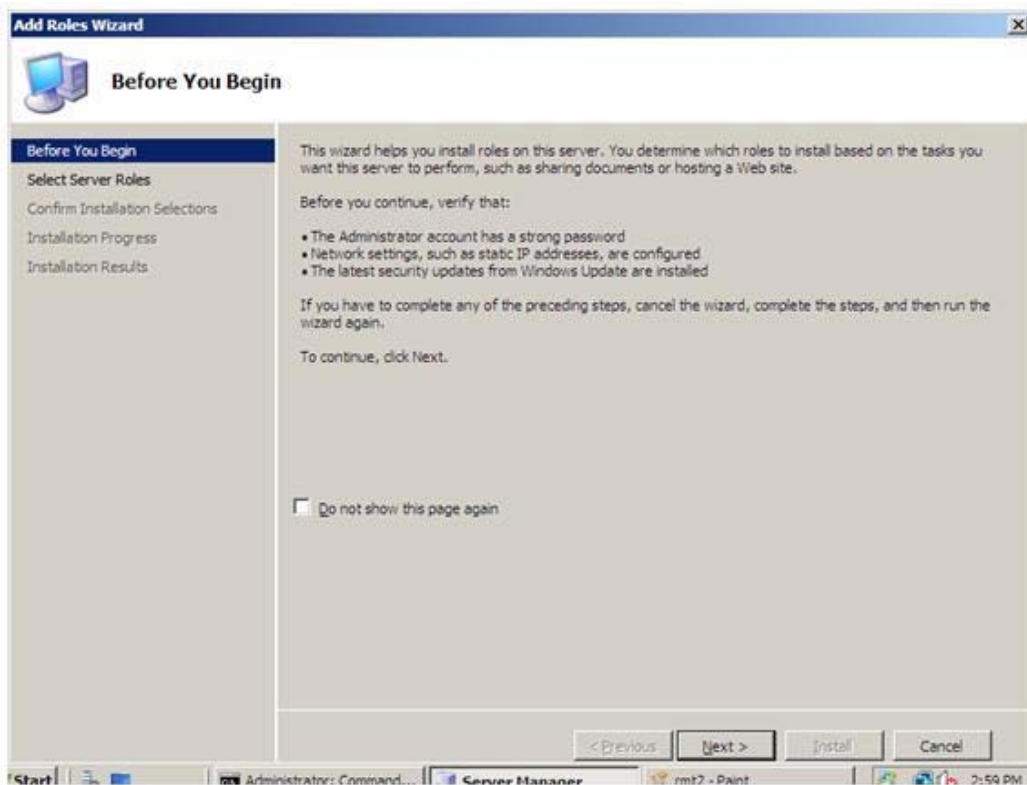


Figure 10: Add Roles Wizard Introduction

4. Select **Web Server (IIS)**.

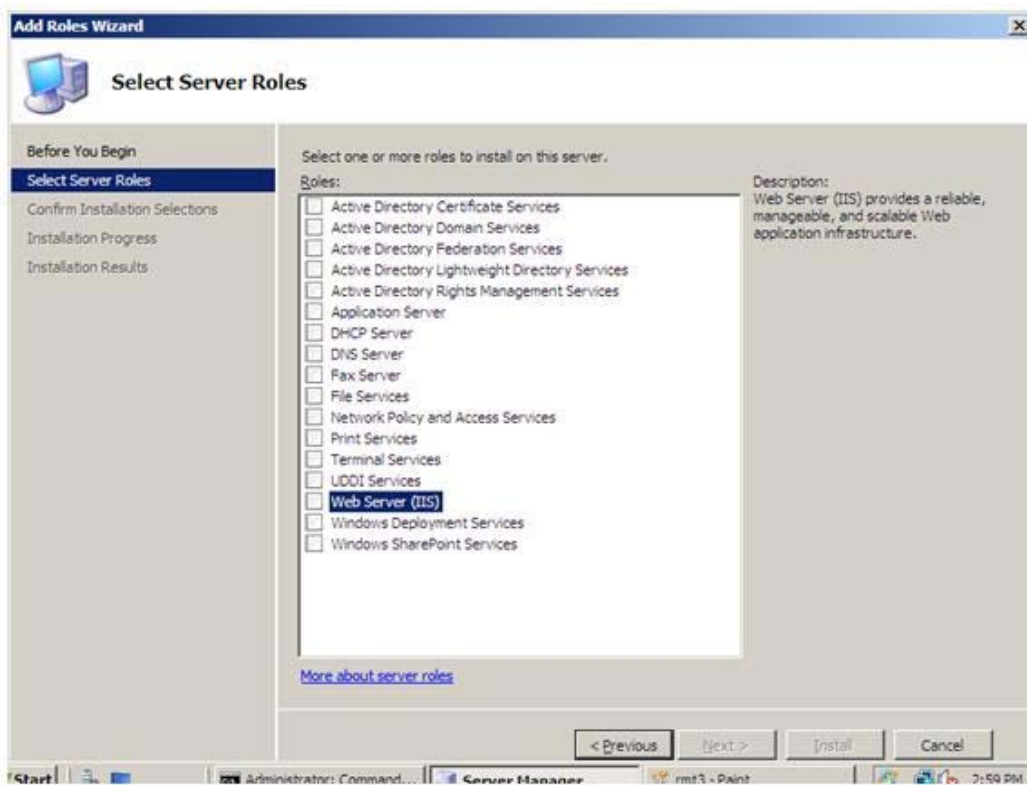


Figure 11: Select Web Server (IIS) in Add Roles Wizard

5. The Add Roles Wizard notifies you of any required dependencies; since IIS depends on the Windows Process Activation Service (WAS) feature, the following informational dialog box appears. Click **Add Required Role Services** to continue.



Figure 12: Add Dependencies

6. The Web Server is now selected for install. The Select Server Roles dialog box opens. Click **Next** to continue.

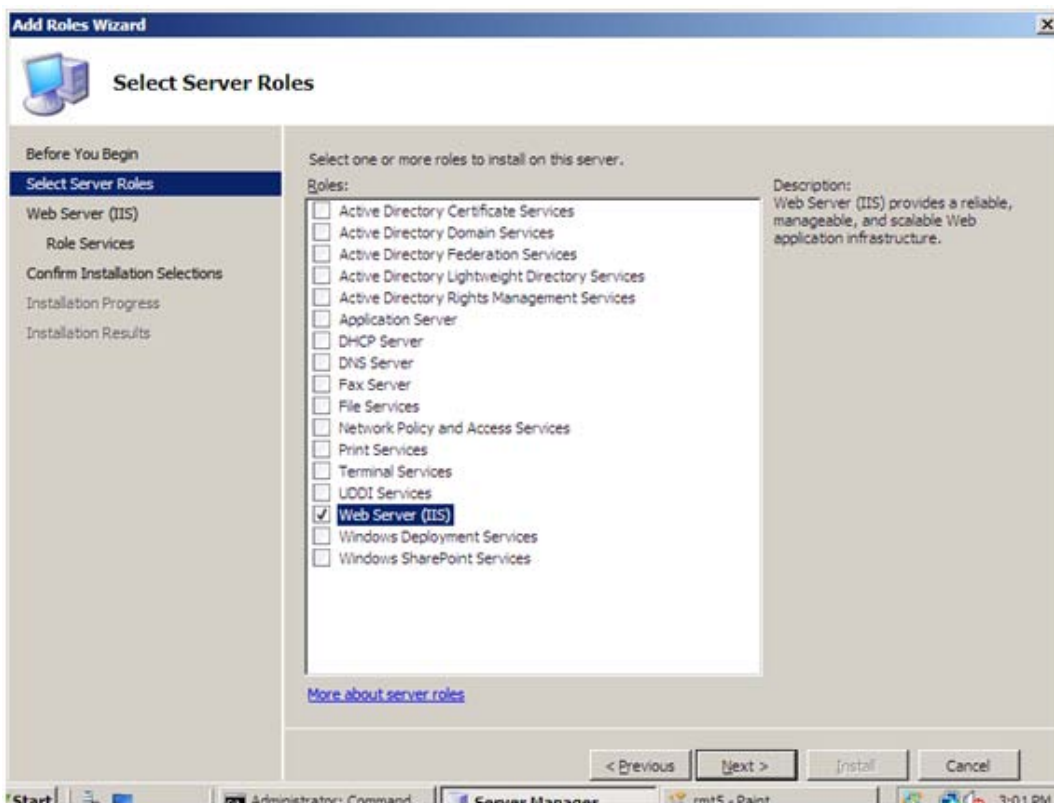


Figure 13: Selected Web Server (IIS)

7. The following dialog box and information appears. Click **Next** to continue.

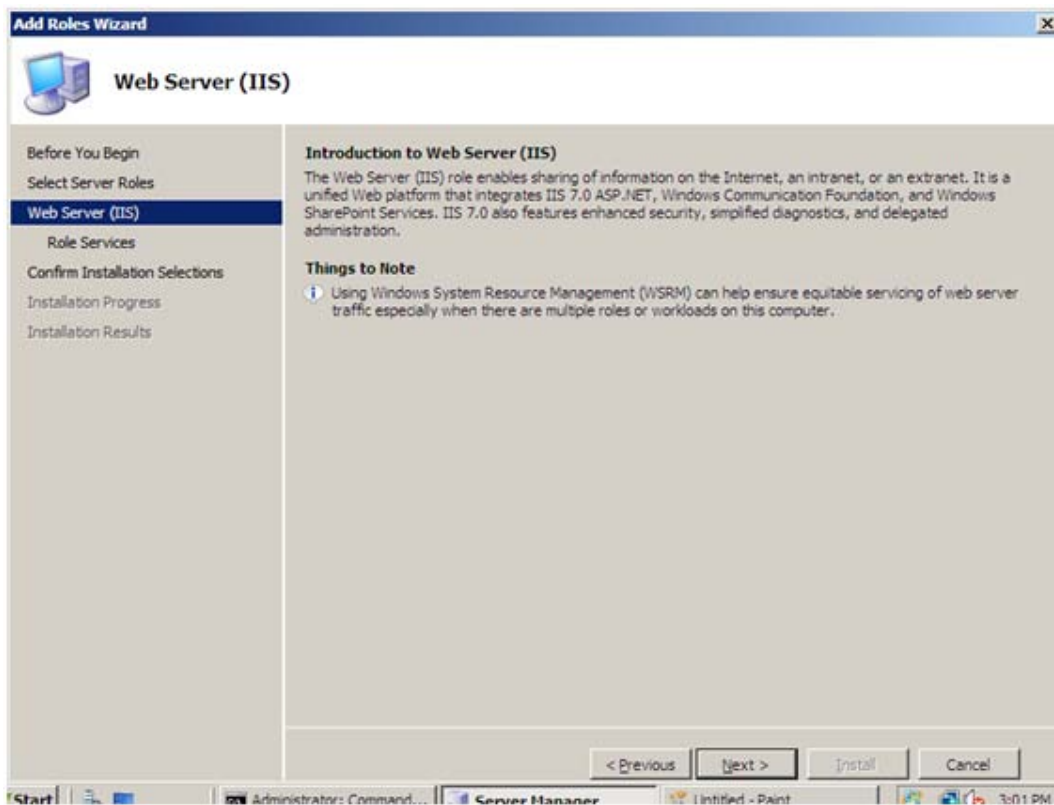


Figure 14: Introduction to Web Server dialog box

8. The Add Roles Wizard displays a list of all IIS 7.0 features available to install as shown below. Note that features comprising the default install are pre-selected.

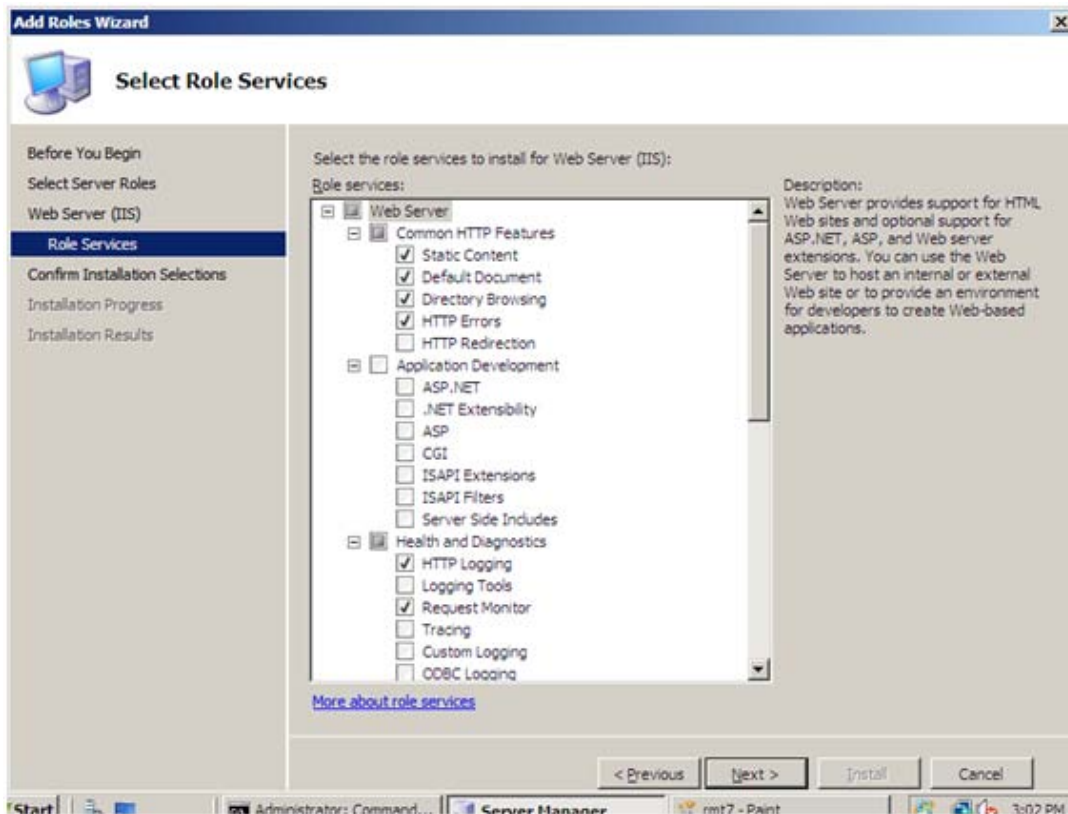


Figure 15: Web Server Features Listed

9. To install just the IIS 7.0 default features, click the **Install** button, and then proceed to Step 14. If you need to install additional features, proceed to step 10.

10. For this example, we install additional IIS features. Select the check box for ASP.NET. The Wizard warns if adding an IIS feature will also cause other features to be installed.

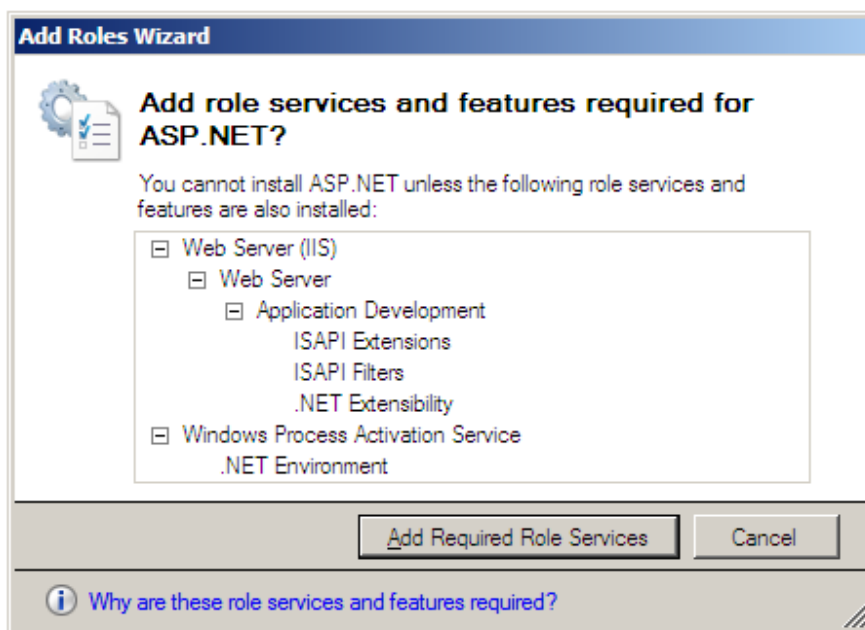


Figure 16: Dependency Information

11. Click **Add Required Role Services** to continue.
12. Continue selecting additional IIS Role Services features to install.

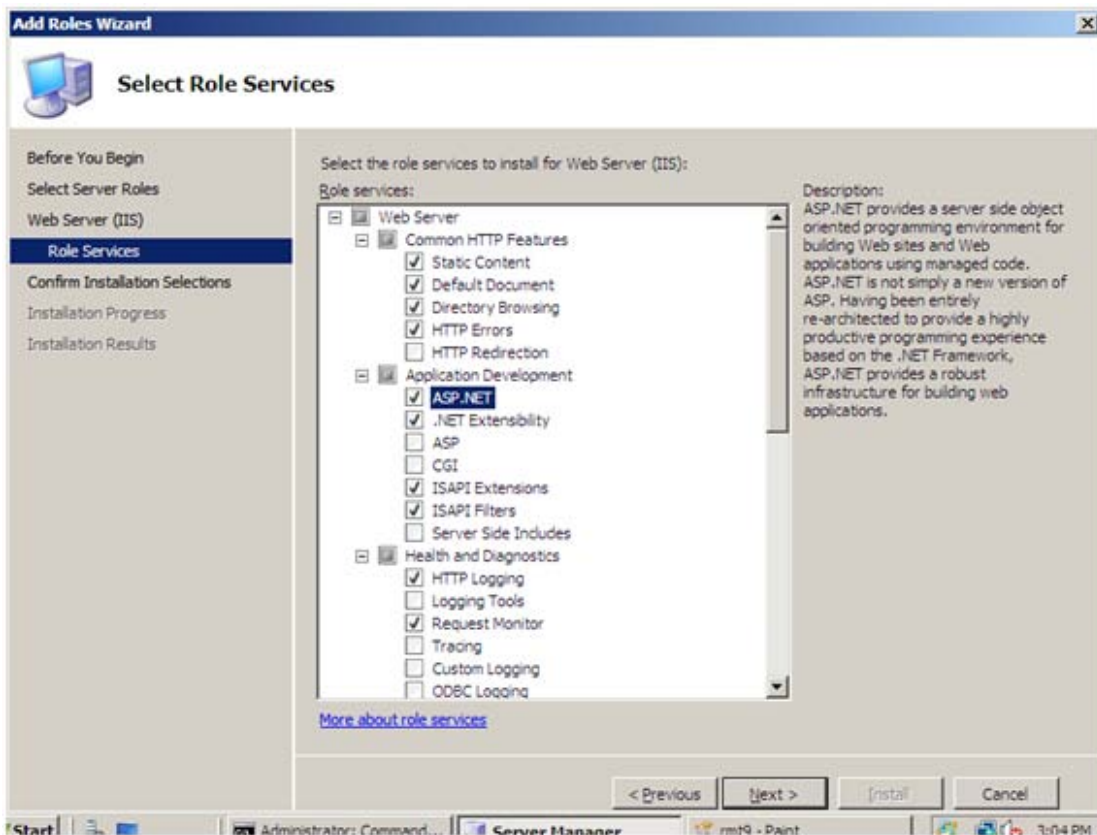


Figure 17: Add Features For Web Server

13. When you have selected all the features you require, click **Next** to continue.
14. The Wizard provides a summary of what will be installed.

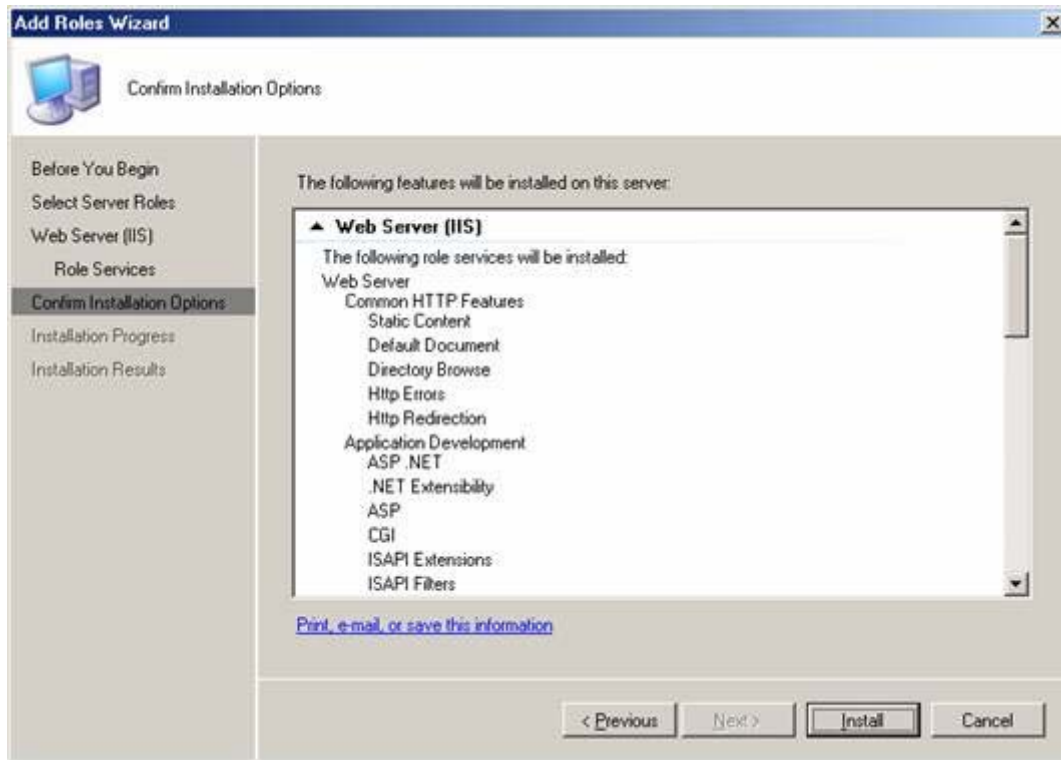


Figure 18: Summary of Features

15. Click **Install** to continue. The Installation Progress dialog box opens.

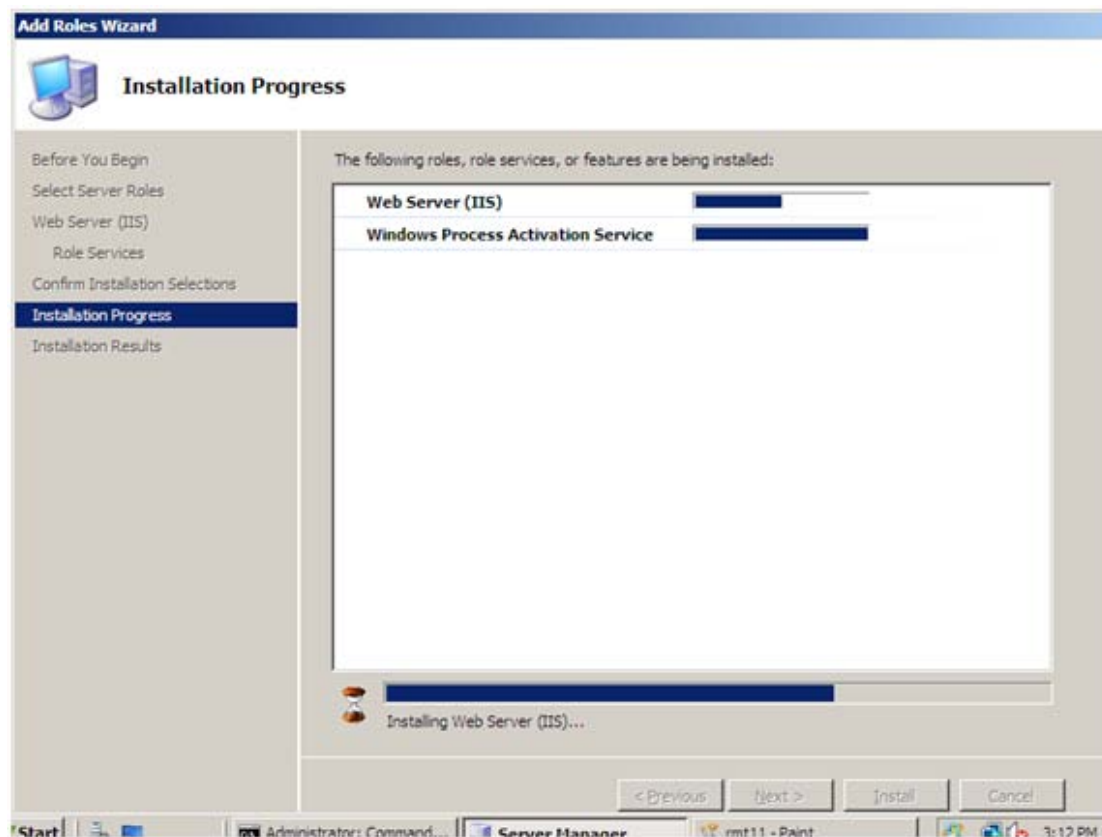


Figure 19: Install Progress

16. When the IIS 7.0 installation is complete, the following dialog box opens. Click **Close** to return to the Server Manager.

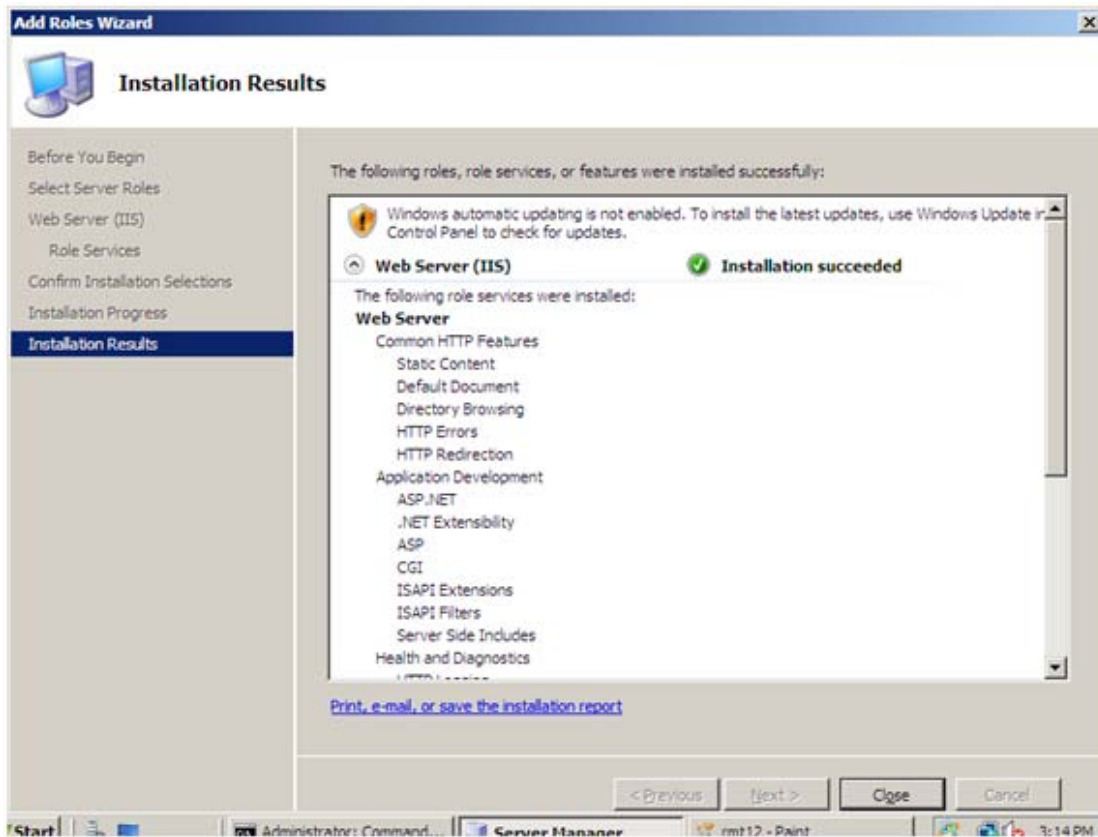


Figure 20: Installation Summary

17. You can now perform a quick check to verify that IIS 7.0 is installed. Start the **Windows® Internet Explorer®** Web browser, and enter the address `http://localhost`. You should see the default IIS "Welcome" page.

Microsoft SQL Server Installation

Install SQL Server 2005 Enterprise Edition on Windows 2003 as example

It is required to install SQL Server 2005 on Windows 2003. SQL Server Enterprise Edition or SQL Server Standard Edition is our strong recommendation. No application of SQL Server Express Edition, which can only be used to demonstration.

This manual hereby takes SQL Server2005 Enterprise Edition as an example to introduce the installation steps, while the detailed steps are explained in "Help" in SQL Server 2005 installation disk.

1. In Windows server 2003, click “setup.exe” in the disk to start installation.
P.S.: SQL Server Enterprise Edition can only be installed in Windows server 2003, instead of Windows XP or Windows 7.

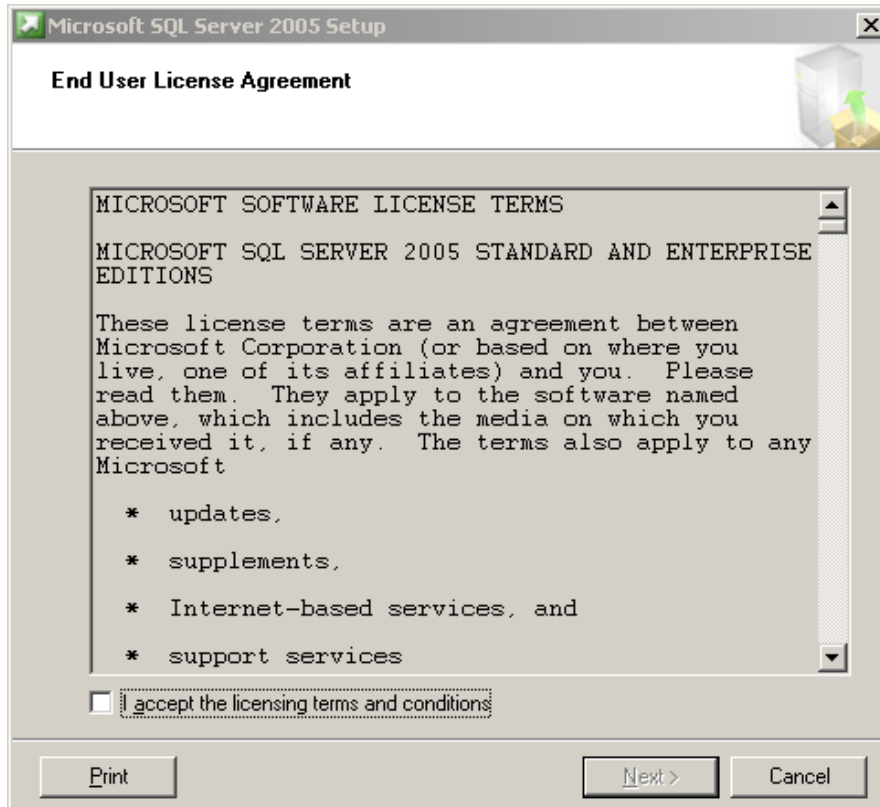


Figure 1.6-2

2. Accept the EULA (End User License Agreement) and click “Next”.

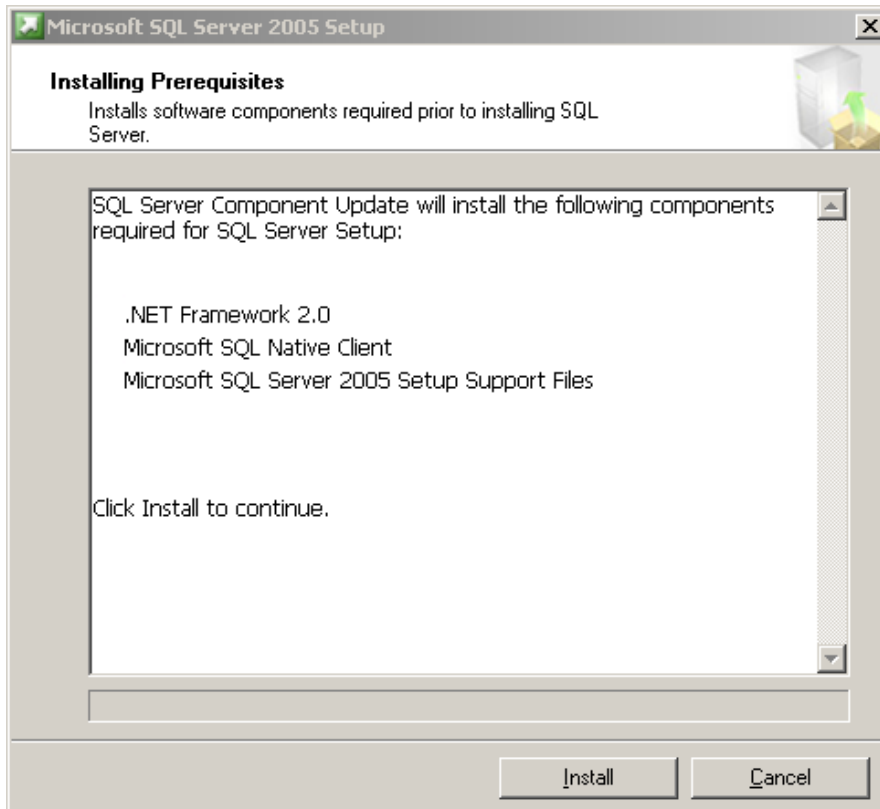


Figure 1.6-3

3. Click "Install"



Figure 1.6-4

4. Click "Next"

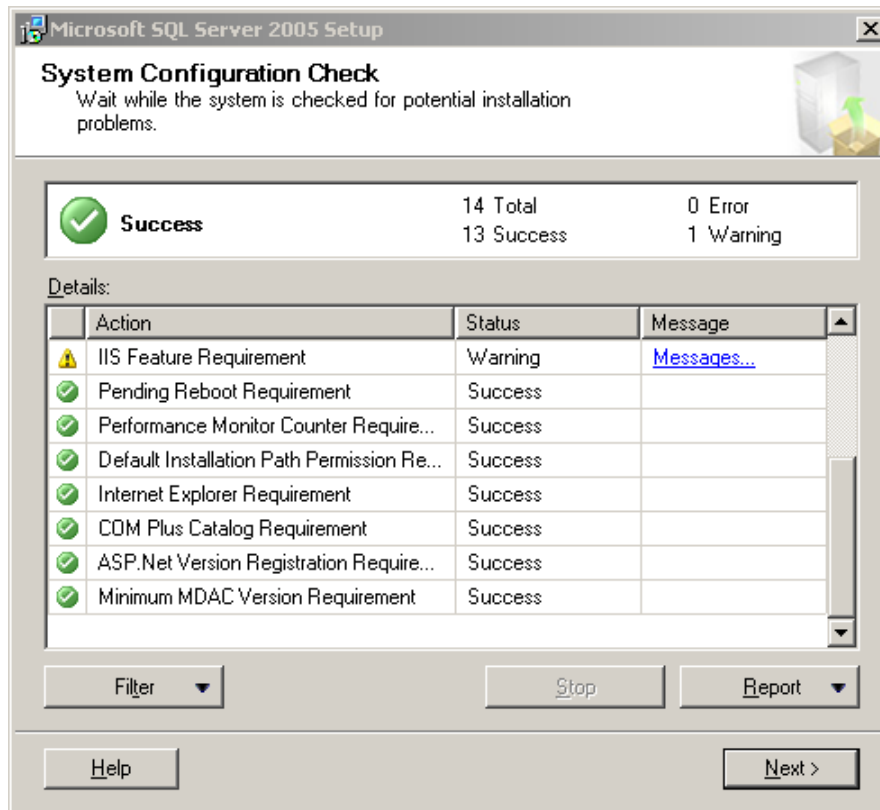


Figure 1.6-6

5. NOTE: In above box, no "Failed" is allowed in "Status" column under "Detailed Information" label. If any "Failed" appears, the SQL Server cannot be successfully installed. If certain "Warning" appears, user can just ignore it. Making sure there is no "Failed" status, then click "Next".

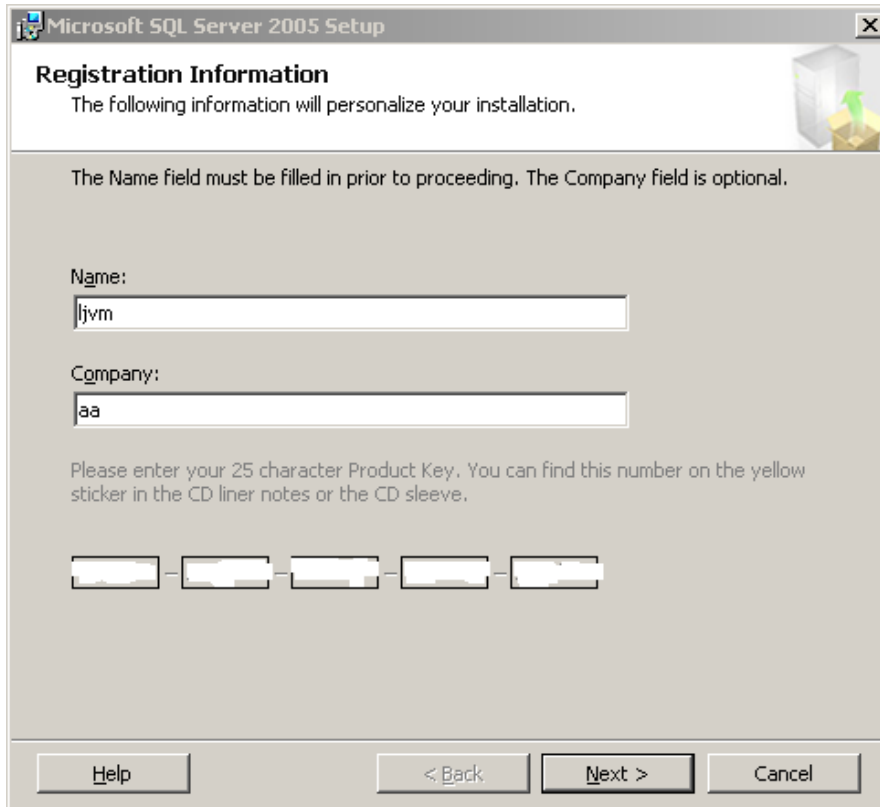


Figure 1.6-7

6. Input "Name", "Company", and "Product Secret Key" and then click "Next".

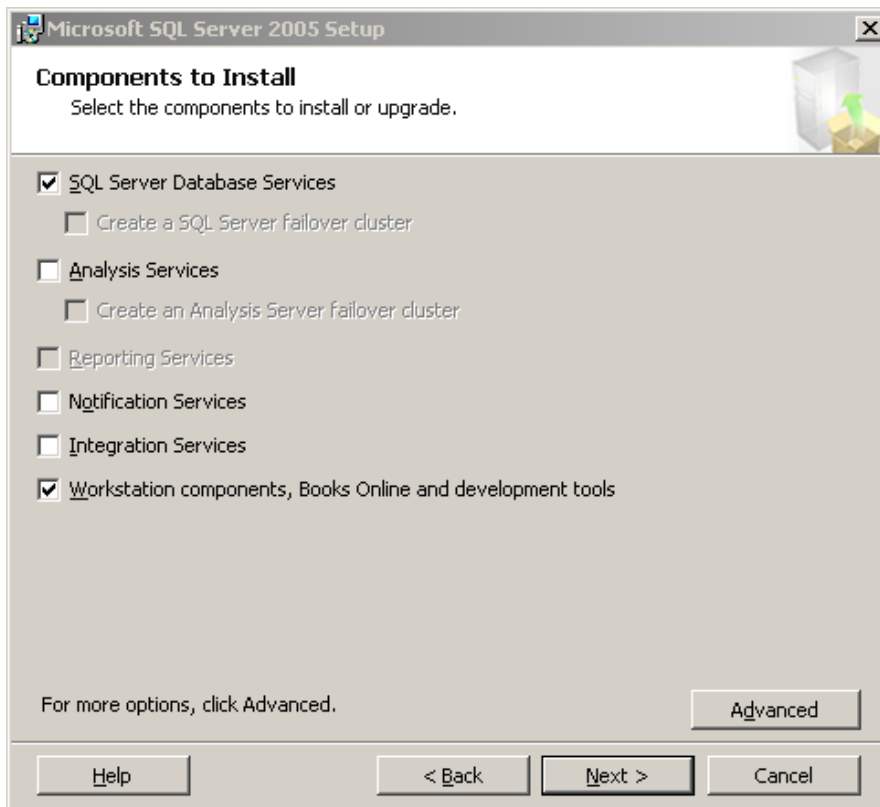


Figure 1.6-8

7. Select the item(s) need installation by marking the check-box with “v” (“SQL Server Database Services” must be selected”). User can unselect the other Services components owing to that the EPG data base currently does not involve them. Click “Next”

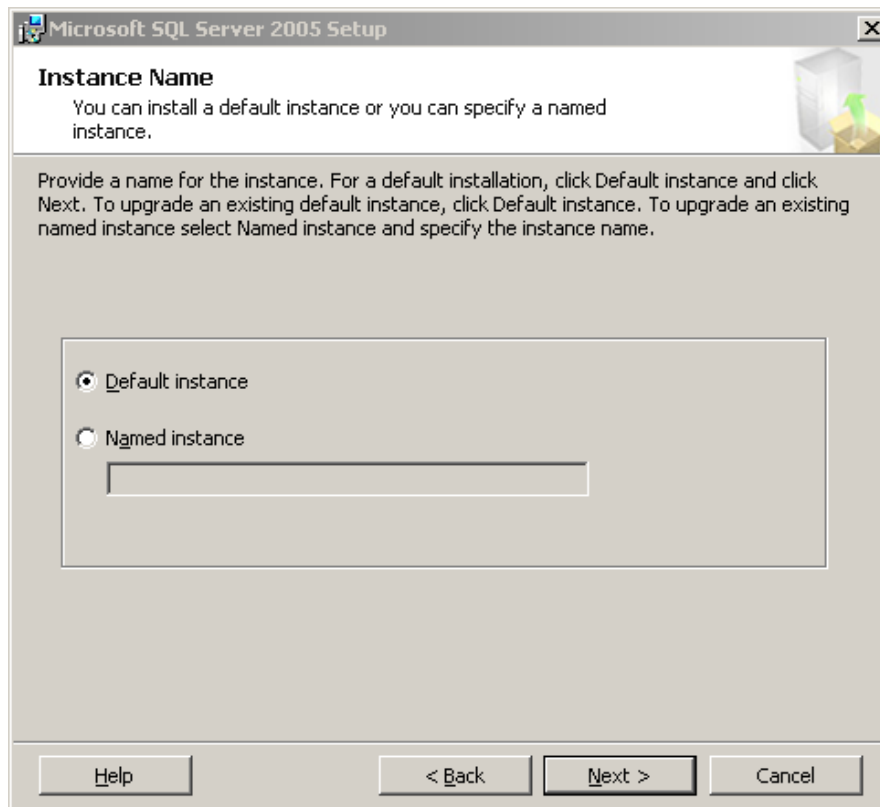


Figure 1.6-9

8. Select “Default case” and click “Next”.

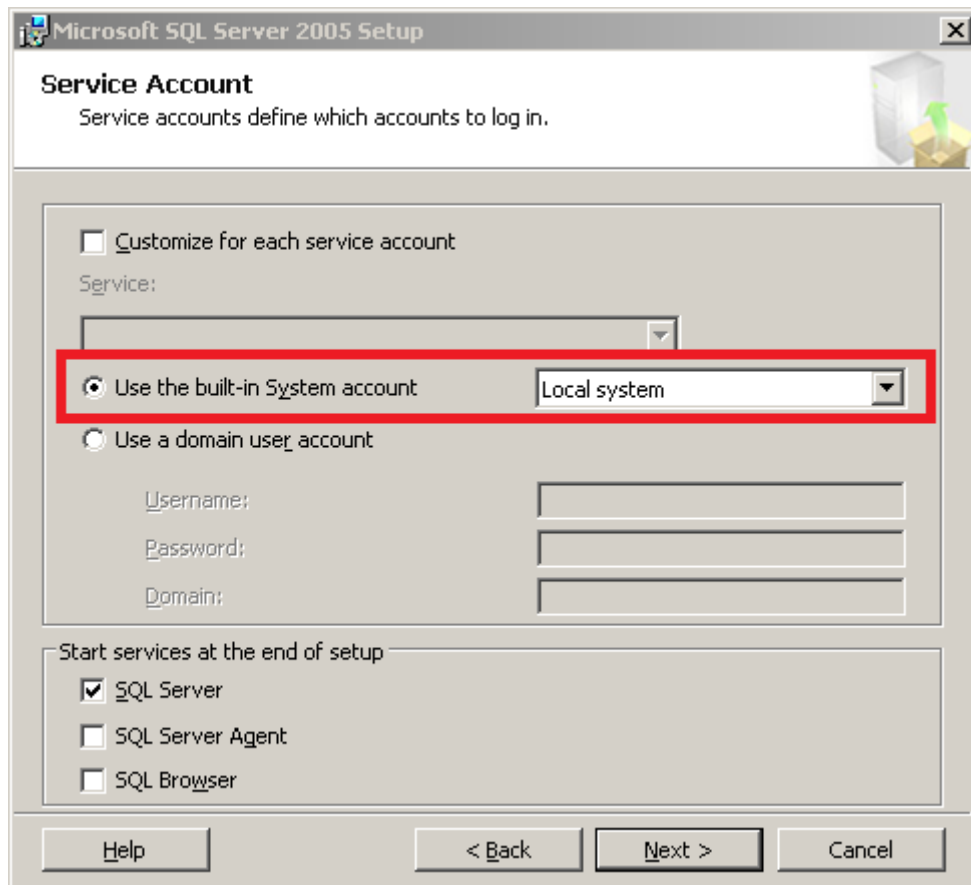


Figure 1.6-10

9. Select “use internal system account” and “local system”, and select “SQL Server Agent” under “to run below service after finishing the installation” (This function will be applied when it automatically backup the data base.), then click “Next”.

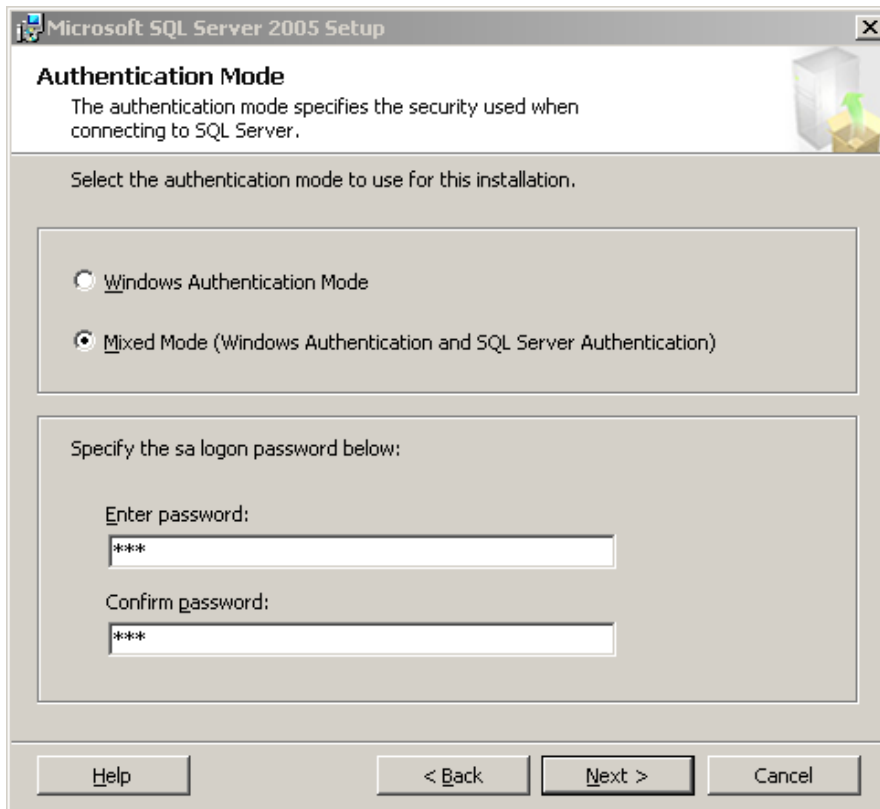


Figure 1.6-11

10. It is suggested to selected Mixed mode as authentication mode and designate SA login password which is the password when user login the EPG Client.

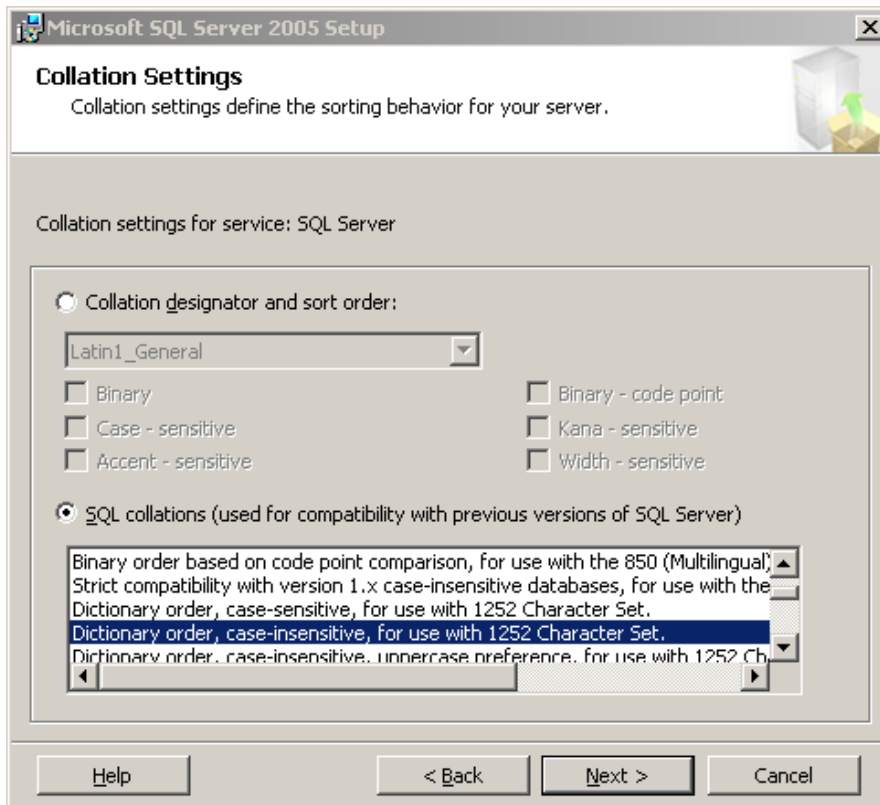


Figure 1.6-12

11. Click “Next” directly as the SQL collation has been set.

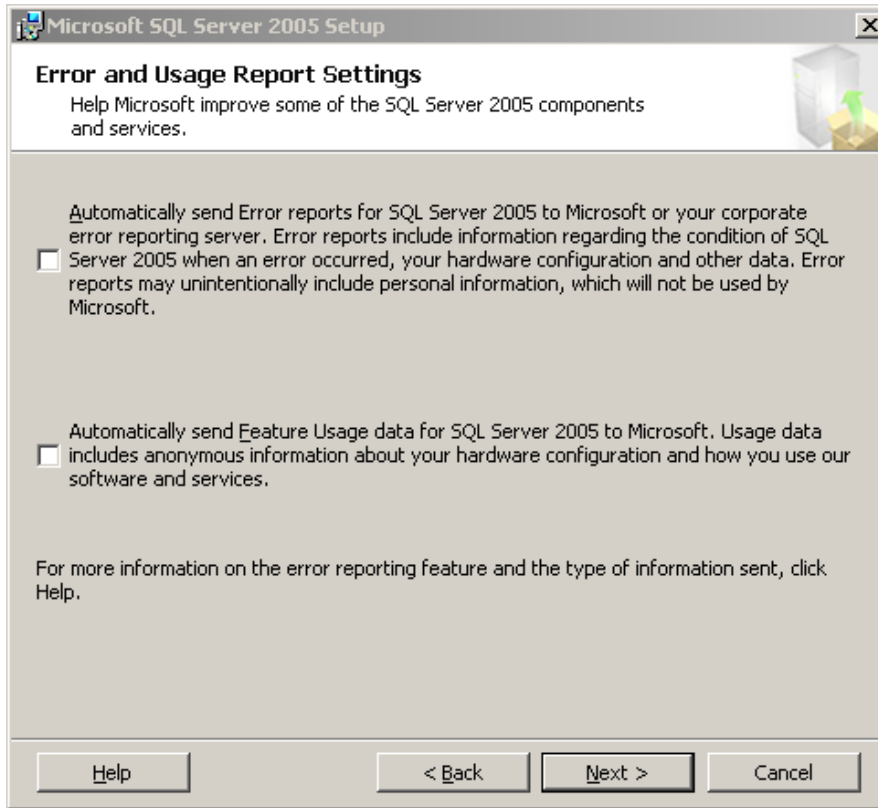


Figure 1.6-13

12. Click “Next”

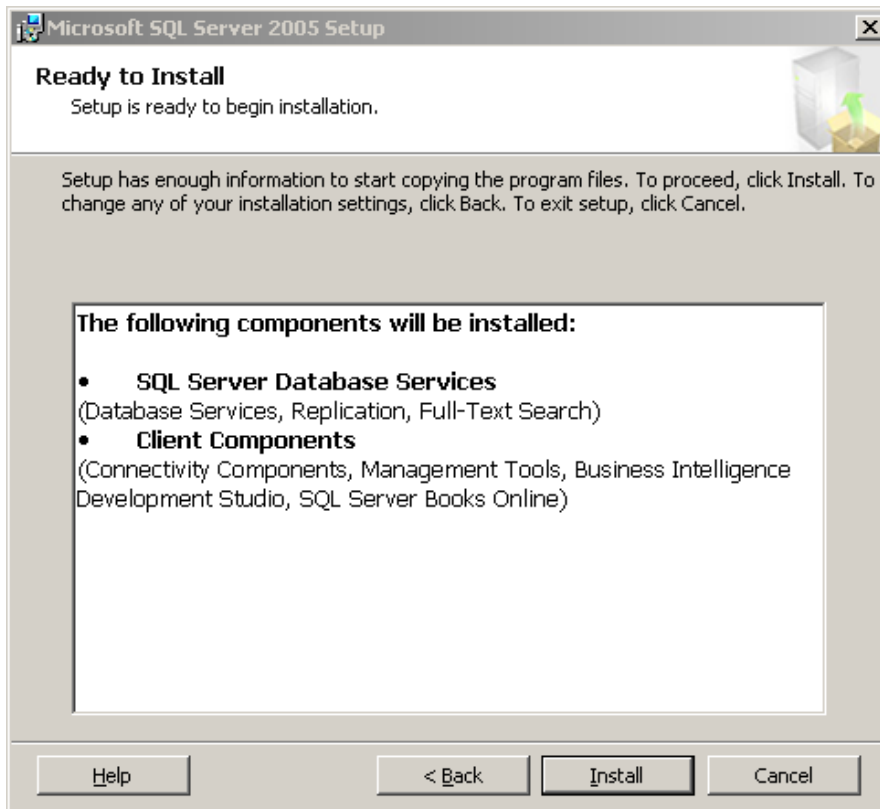


Figure 1.6-14

13. Click "Installation"

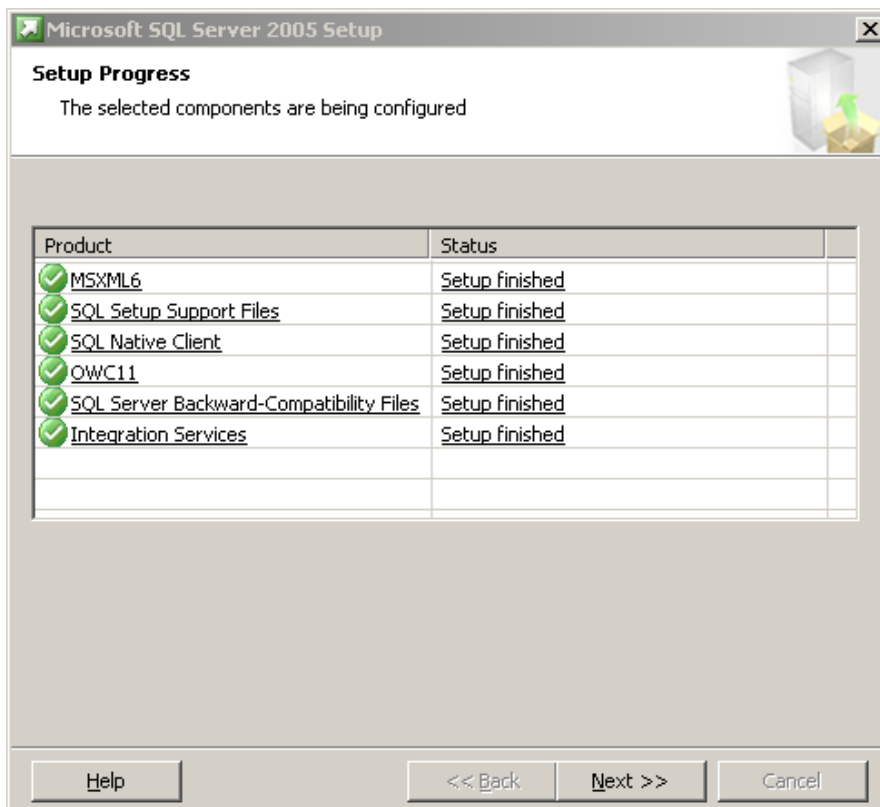


Figure 1.6-15

- Click “Next” after finishing the installation.

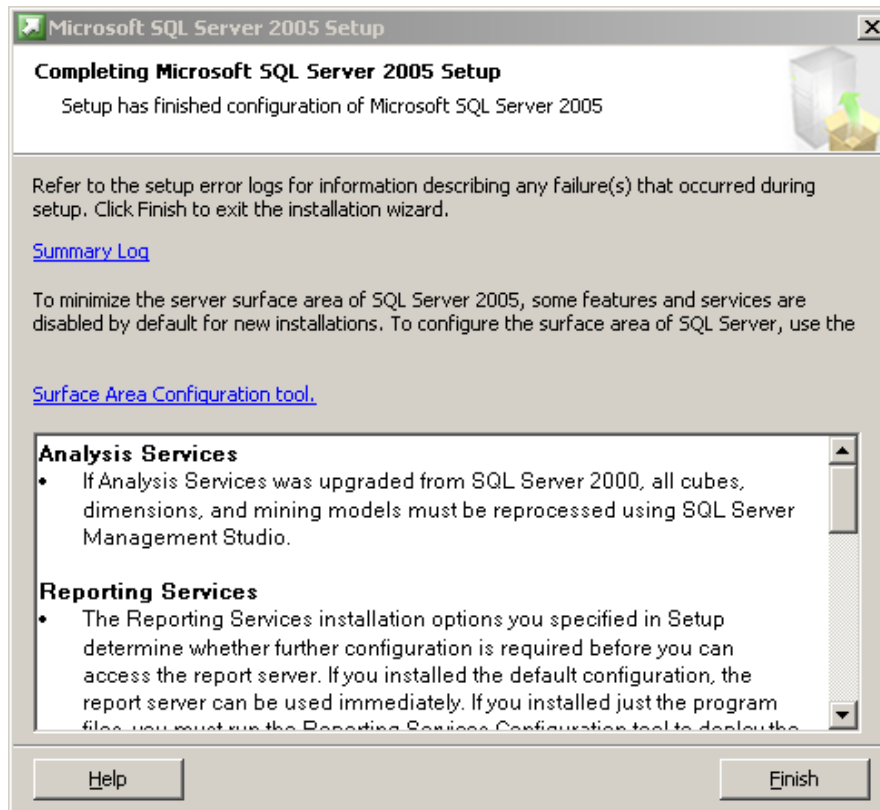


Figure 1.6-16

- Click “Finish” to end the installation. Generally, after the installation of SQL Server Enterprise Edition, the EPG can properly work without any other configuration.

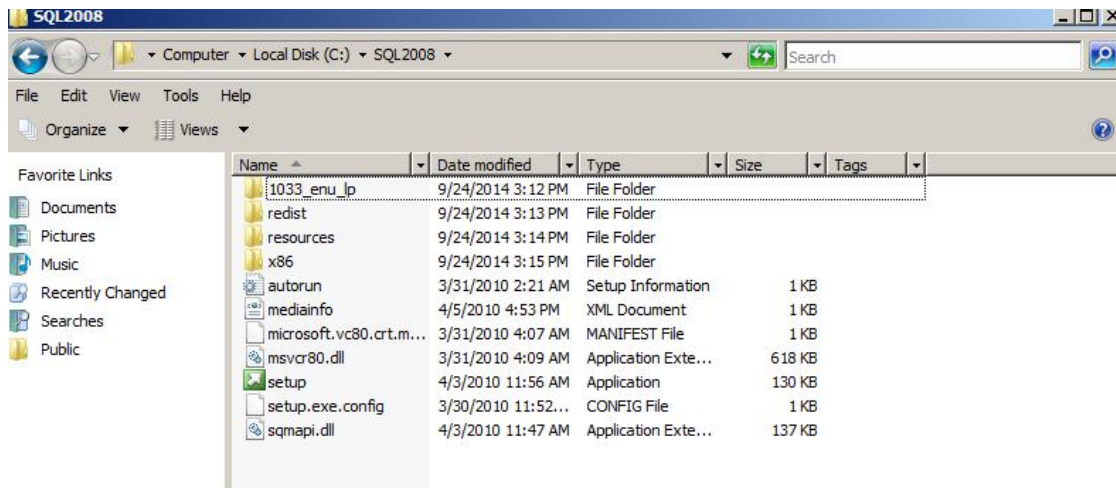
Install SQL Server 2008 Enterprise Edition on Windows 2008 as example


It is required to install SQL Server 2008 on Windows 2008. SQL Server Enterprise Edition or Standard Edition is strongly suggested. In no way SQL Server Express Edition is allowed as it is just for short-time use like demo.

It hereby takes SQL Server2008 Enterprise as an example to illustrate the installation steps:

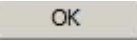
**SQL Server Enterprise can only be installed in Windows server, but never in Windows XP.*

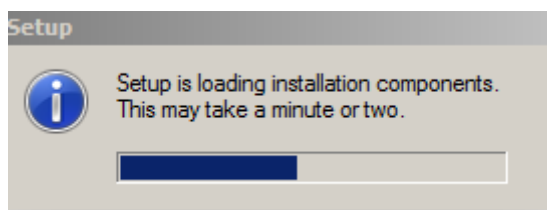
- Open SQL Server2008 installation disk or program



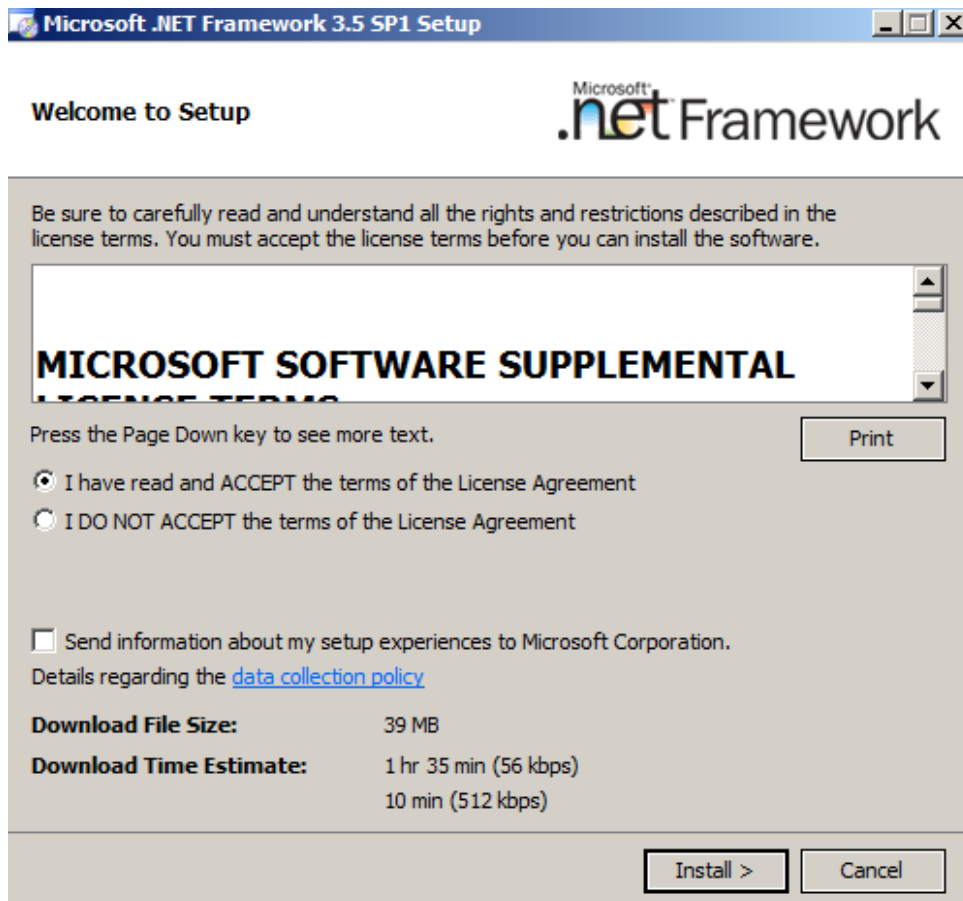
- Double click  **setup.exe** to start the installation. It will prompt to update modules first.



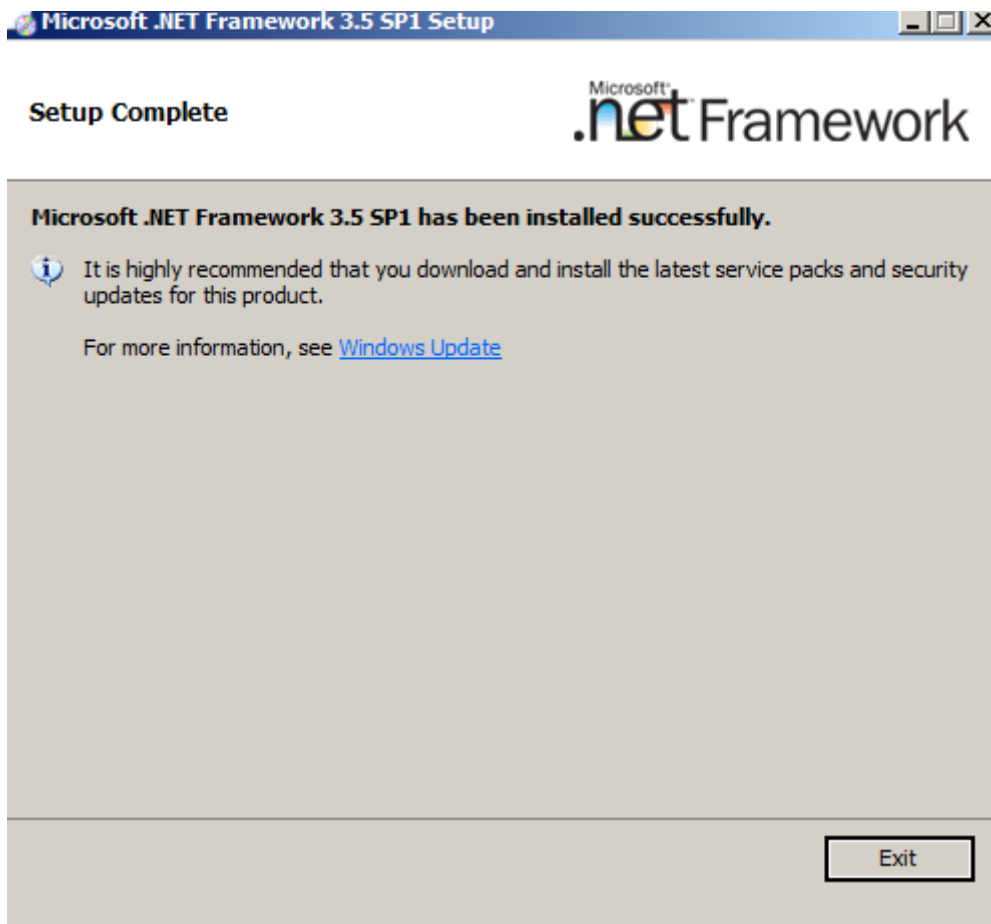
- Click button .



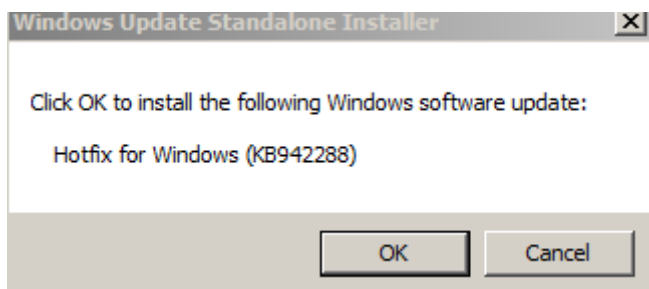
- Wait a moment.



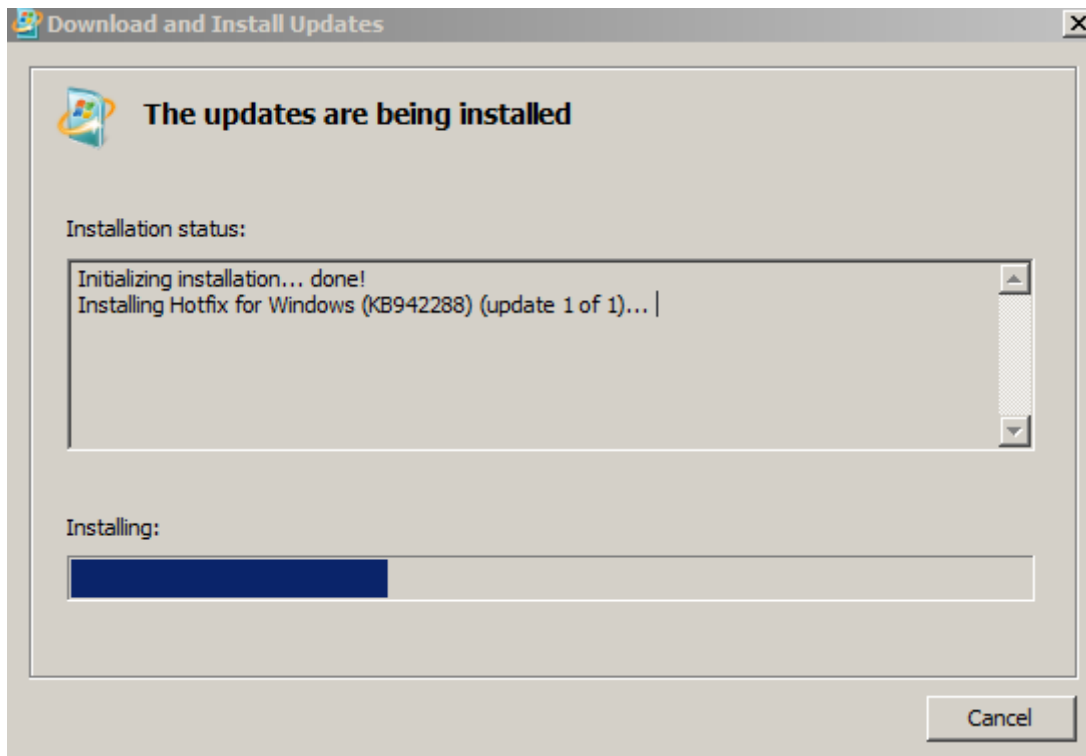
- Select this option I have read and ACCEPT the terms of the License Agreement and click



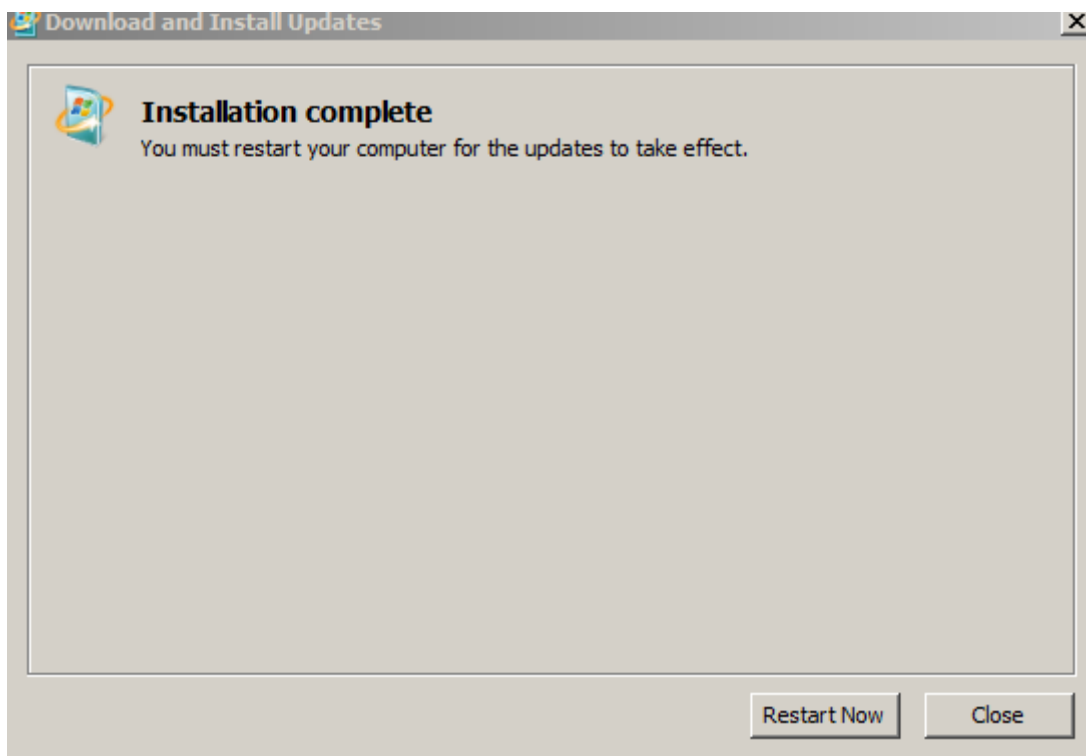
- Click to exit after completing the installation.




- A dialog box will pop out automatically to prompt updating other modules.
Click to confirm.




- Wait until the installation completes.

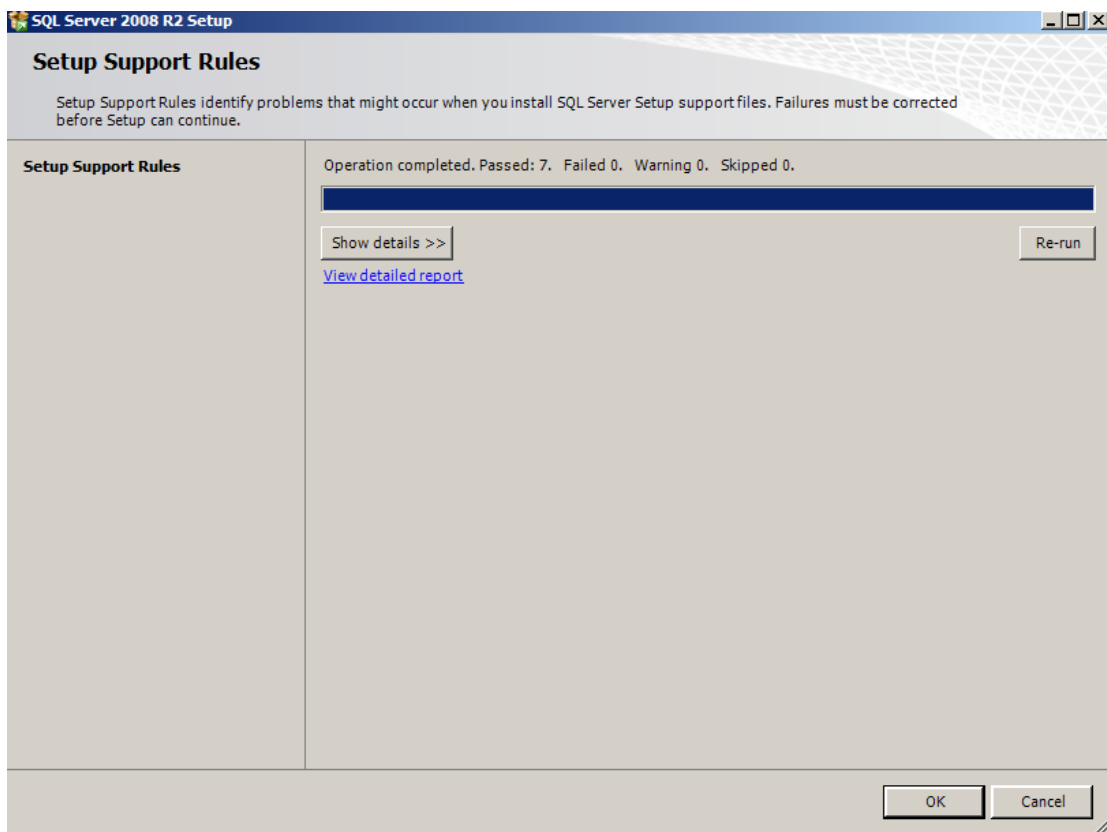


- It will prompt to restart the server after completing the installation. Click **Restart Now** to confirm.

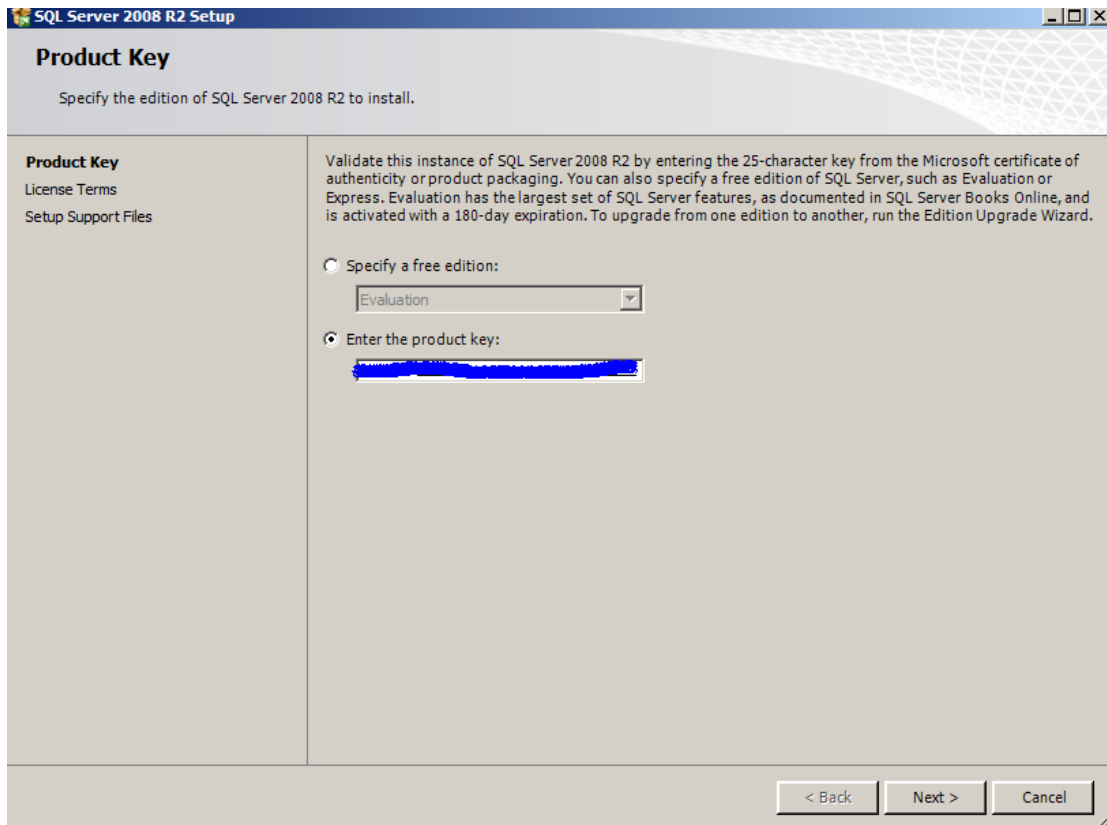
- After server restart, double click  **setup.exe** again under folder SQL2008.

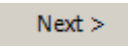


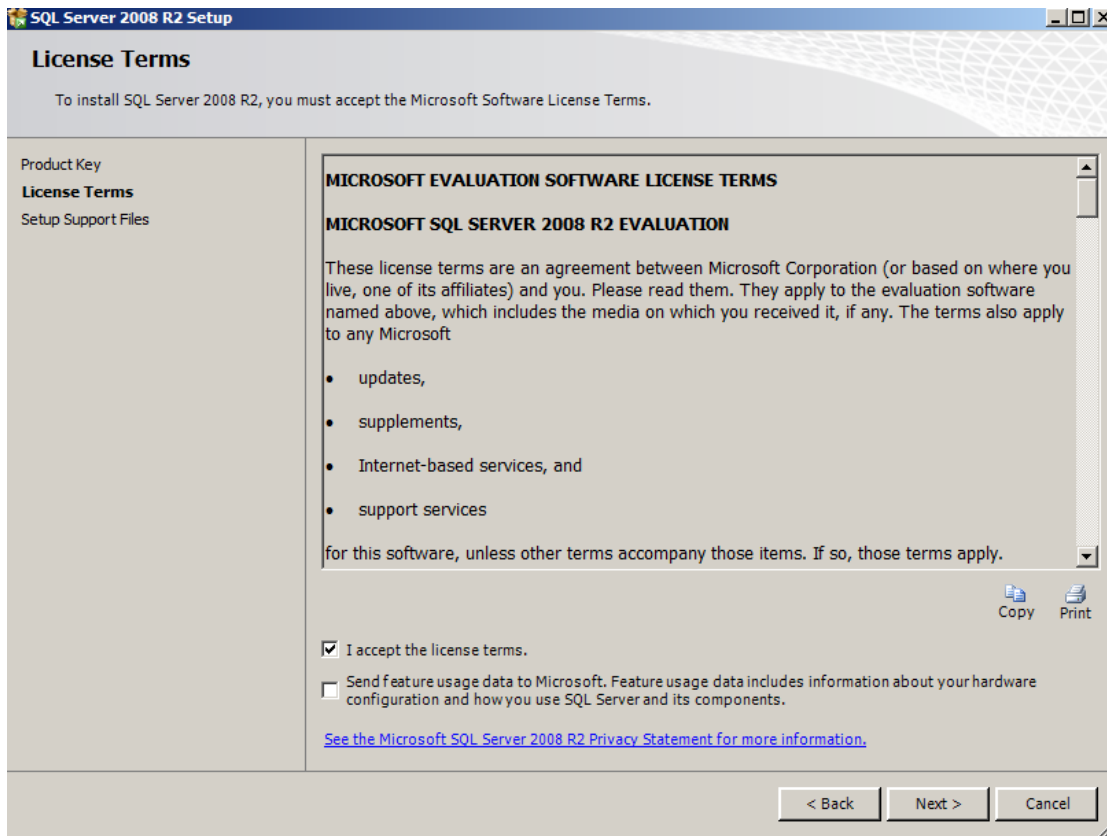
Select **Installation** and click  **New installation or add features to an existing installation.**
Launch a wizard to install SQL Server 2008 R2 in a non-clustered



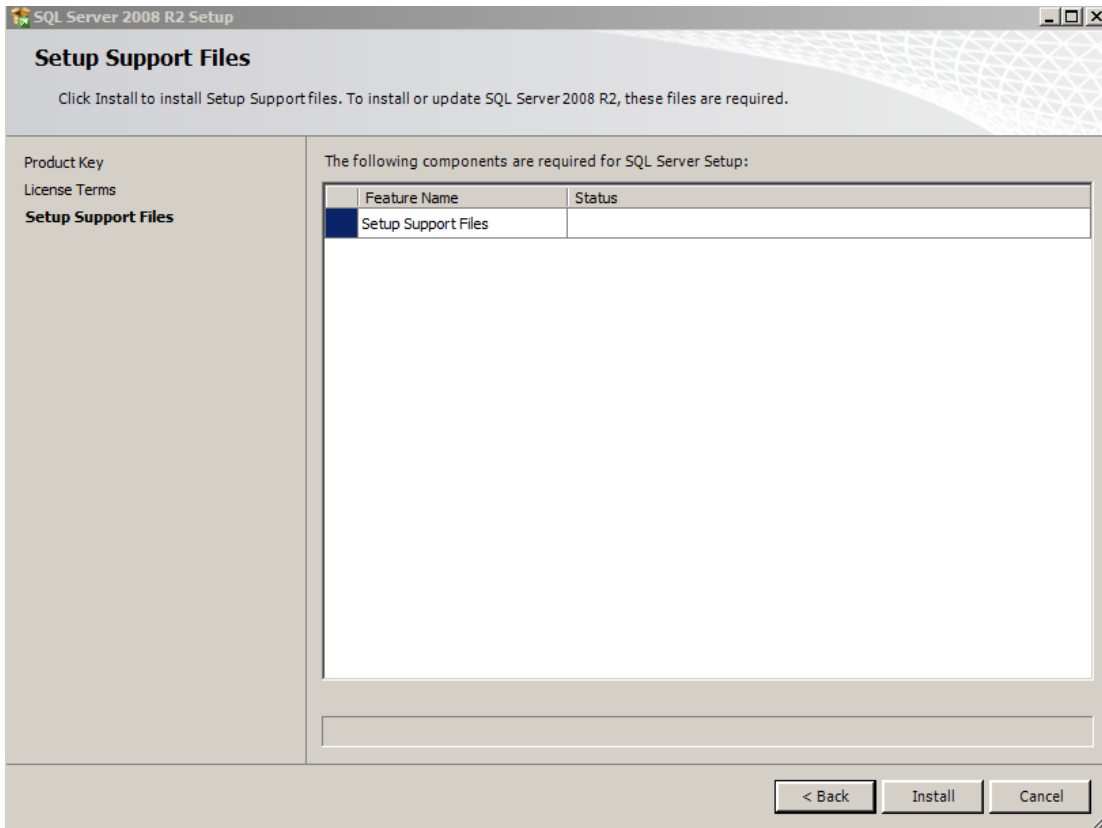
Click button 



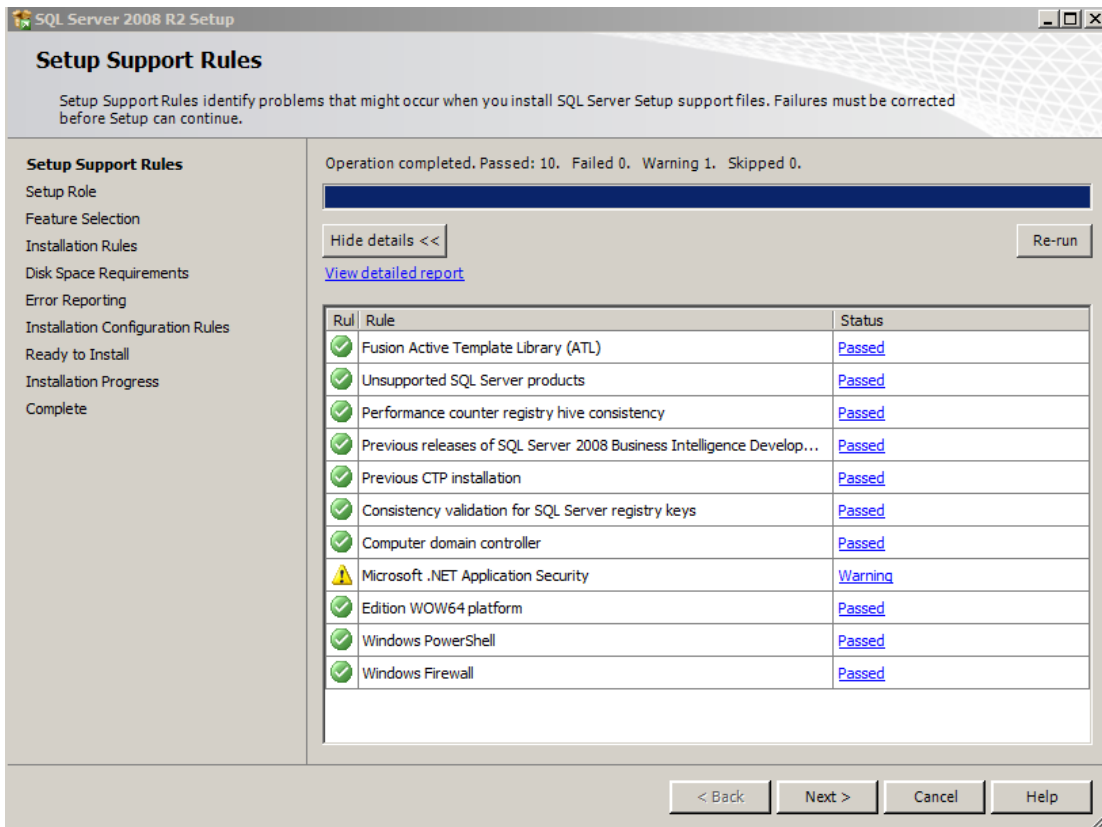
Input the product key and click 



Select 'I accept the license terms' and click **Next >**

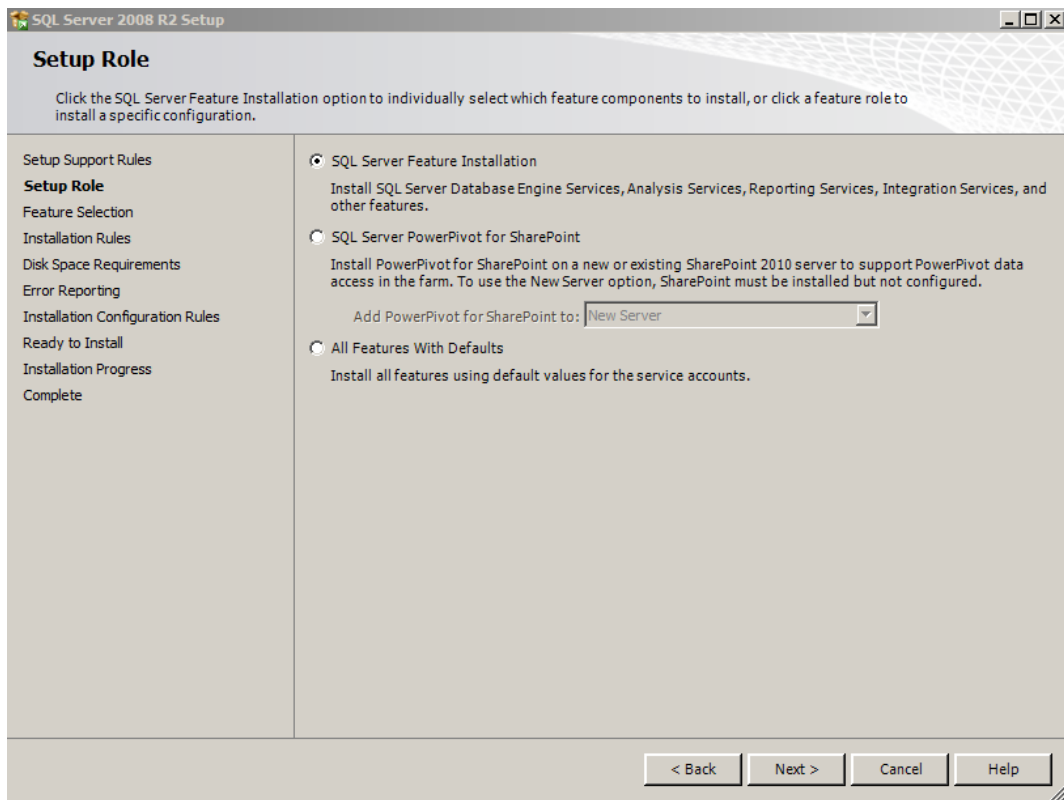


Click **Install**

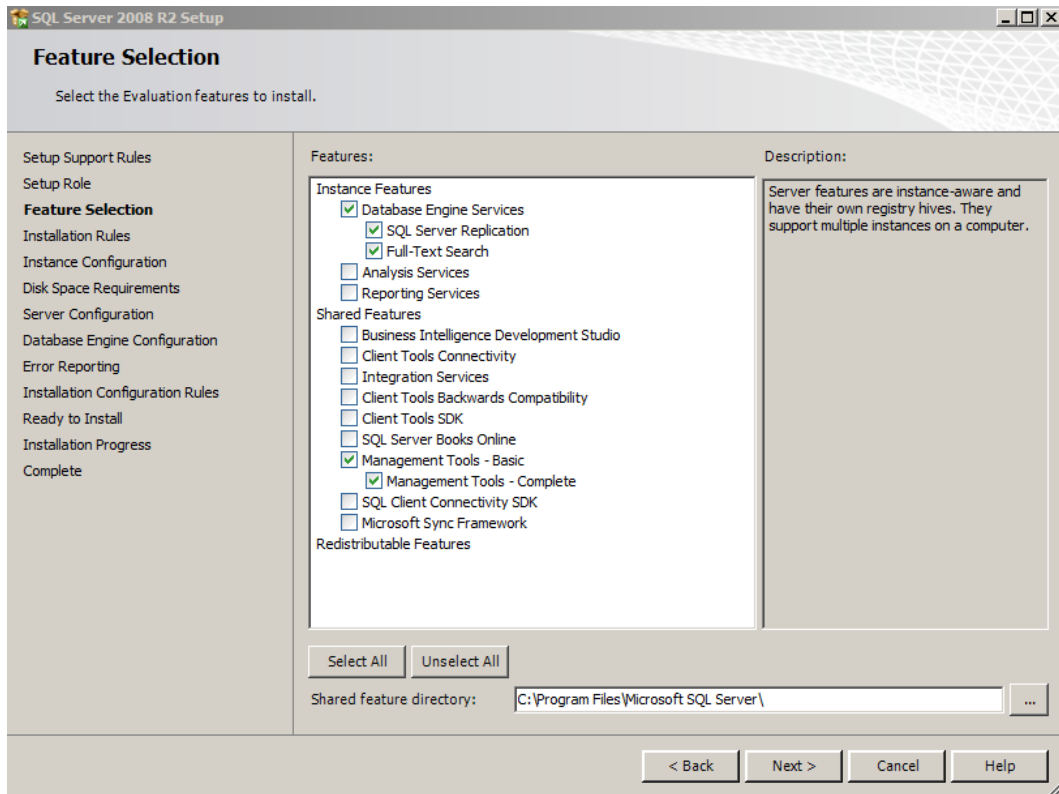


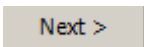
**In this step, no rule status can be 'Failed' under details info. If any 'Failed' rule emerges, SQL Server will not be properly installed. If there is some 'Warning' status, you can just skip it to continue.*

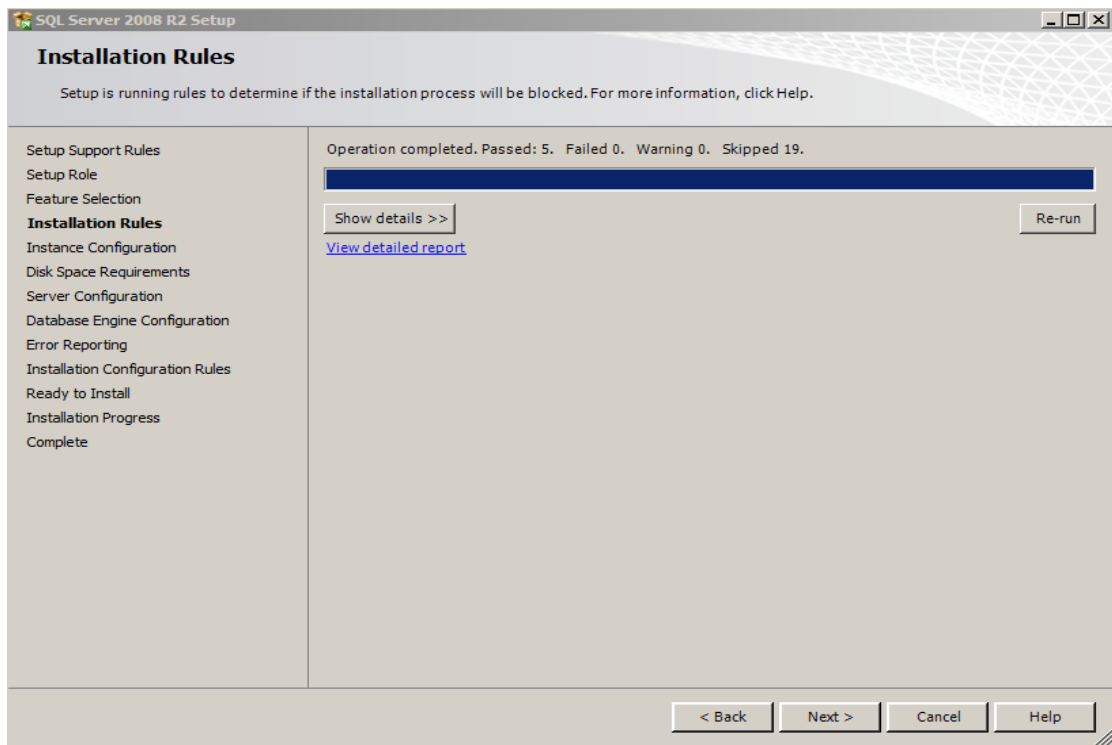
- Make sure there is no 'Failed' status and then click **Next >** button to continue.



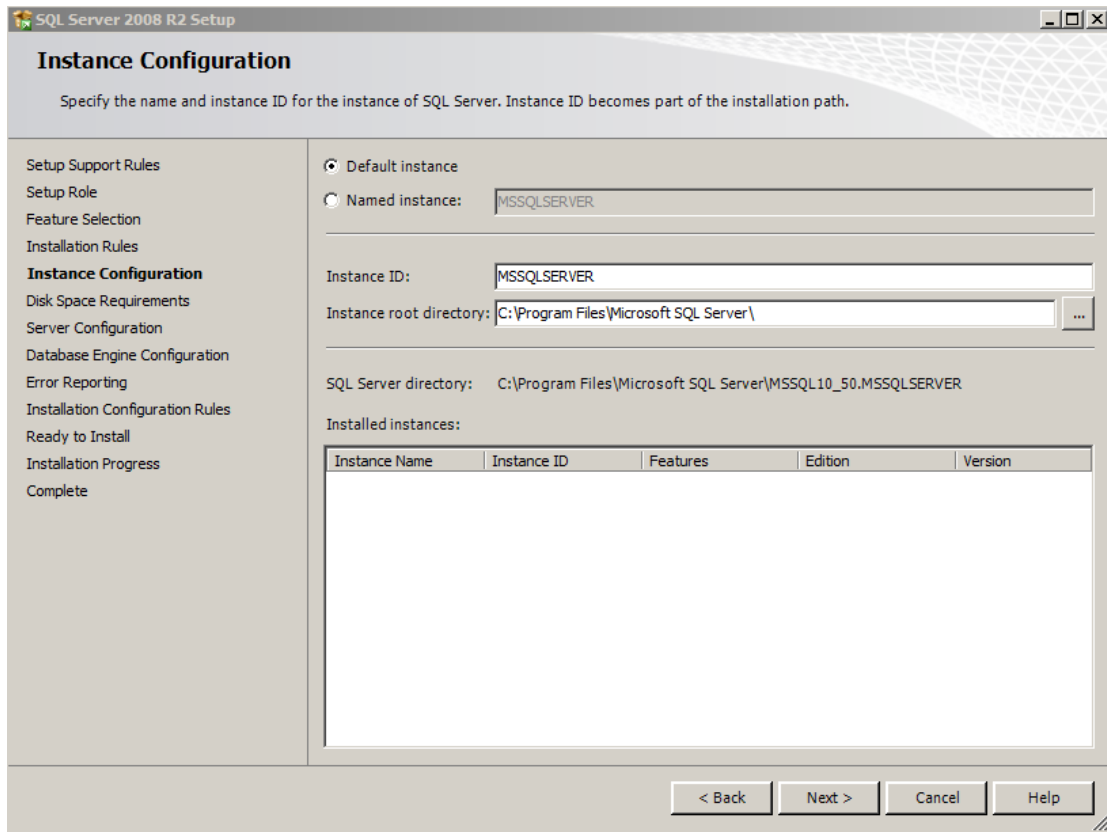
- Click **Next >**



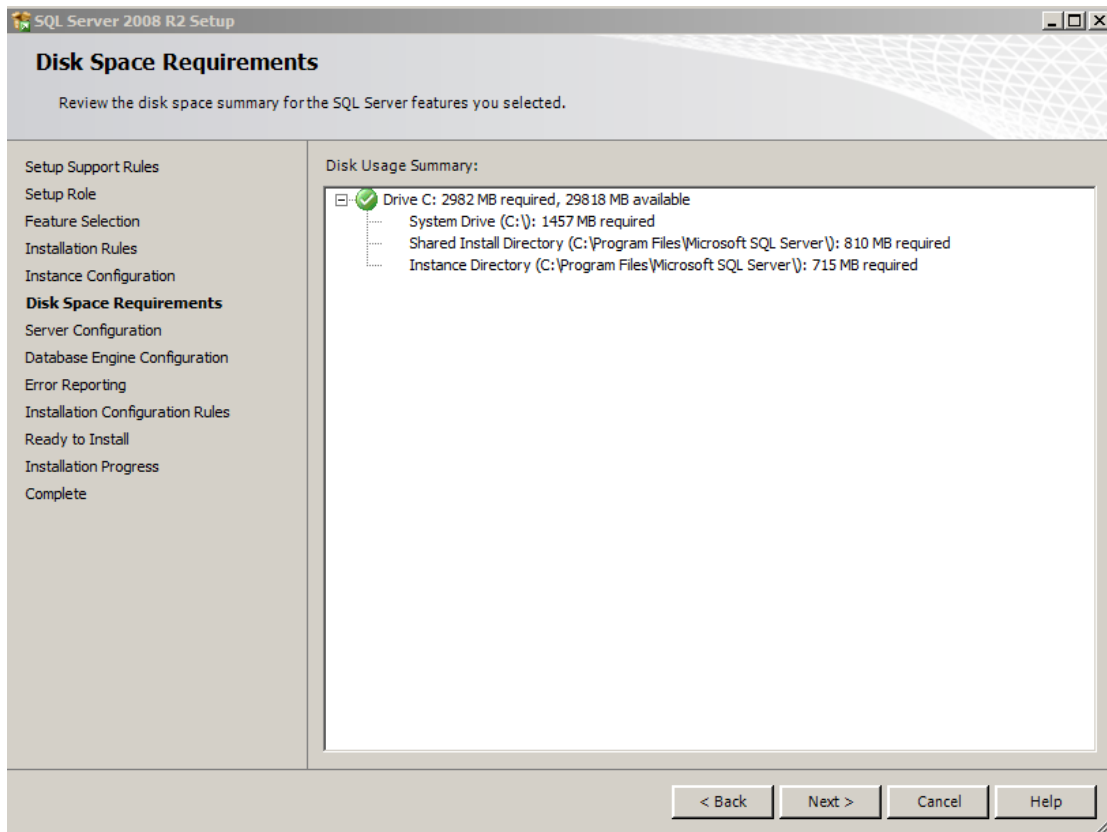
- Select features to install: ‘Database Engine Services’ and ‘Management Tools-Basic’ are required, while other Services features are optional. Click  to continue.



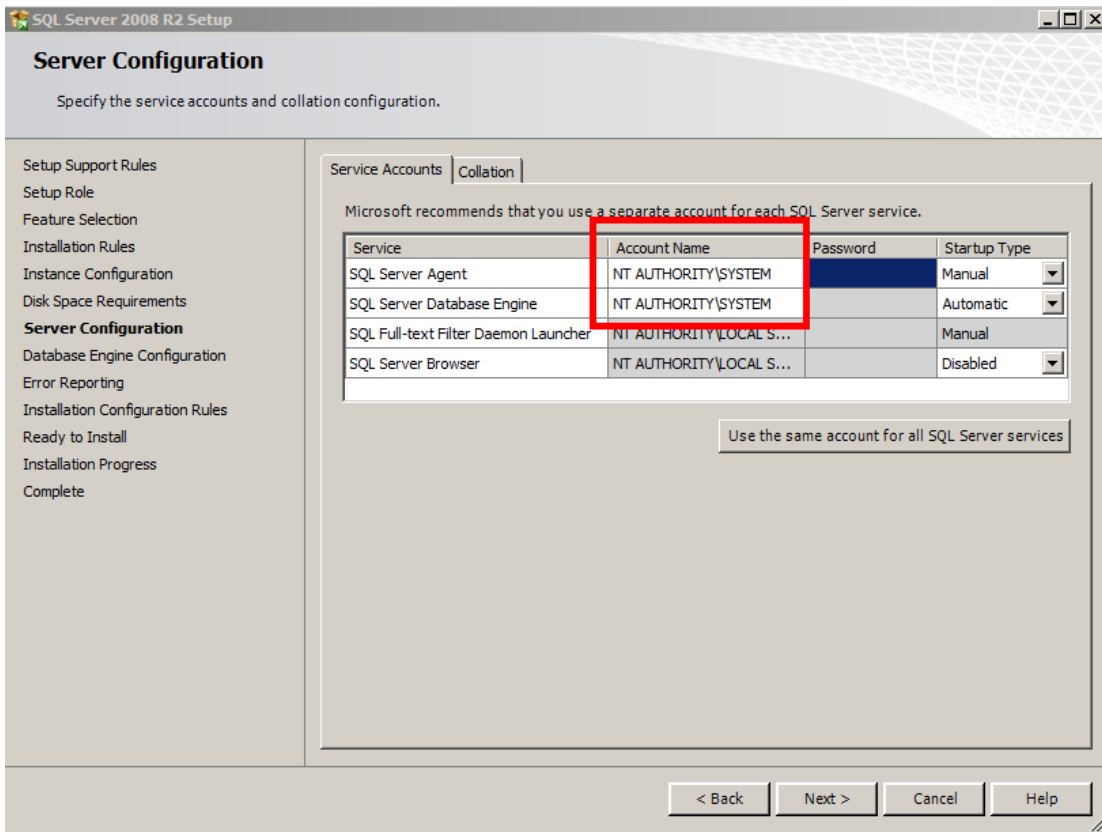
- Click 



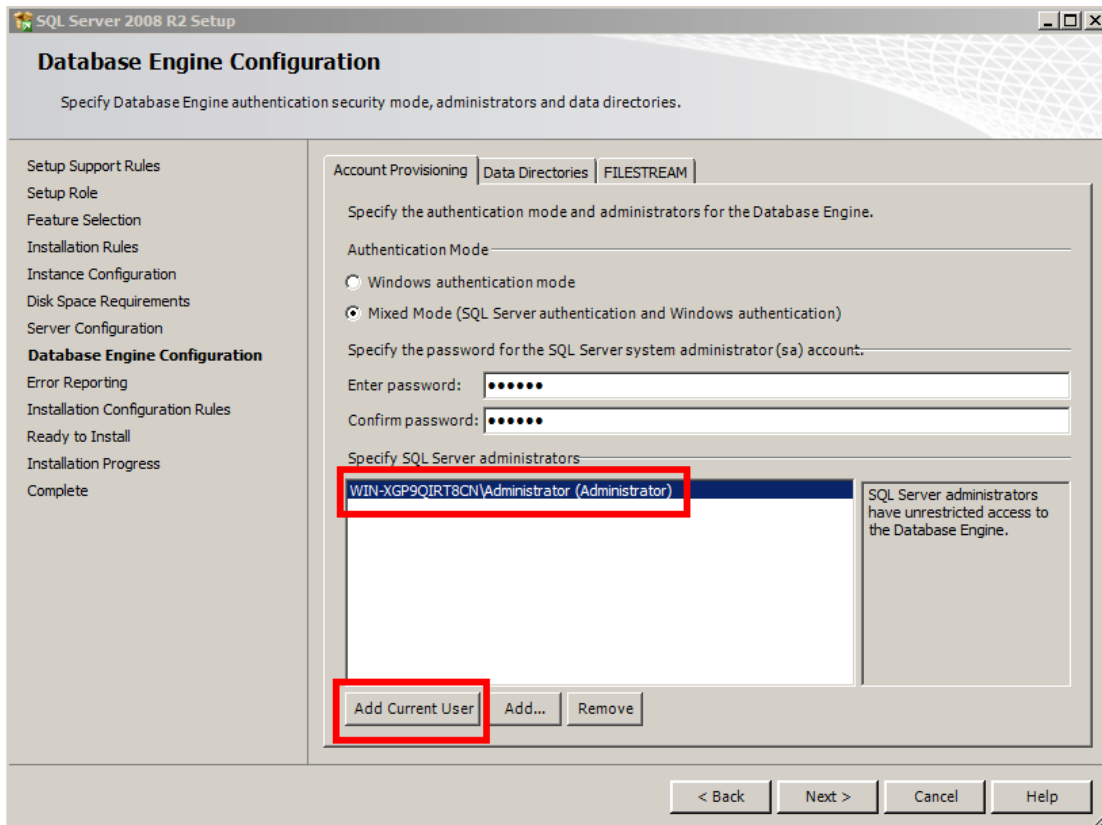
➤ Click



➤ Click **Next >**

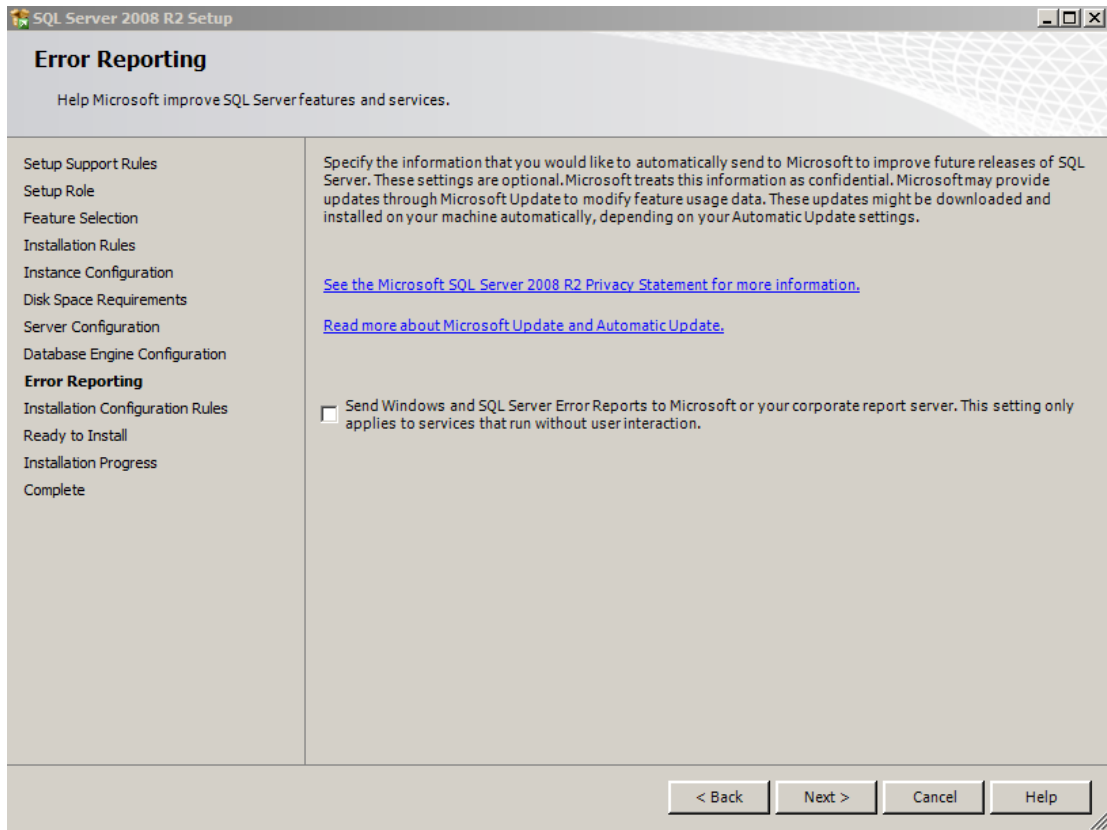


➤ Select “NT AUTHORITY\SYSTEM” and Click **Next >** to continue.

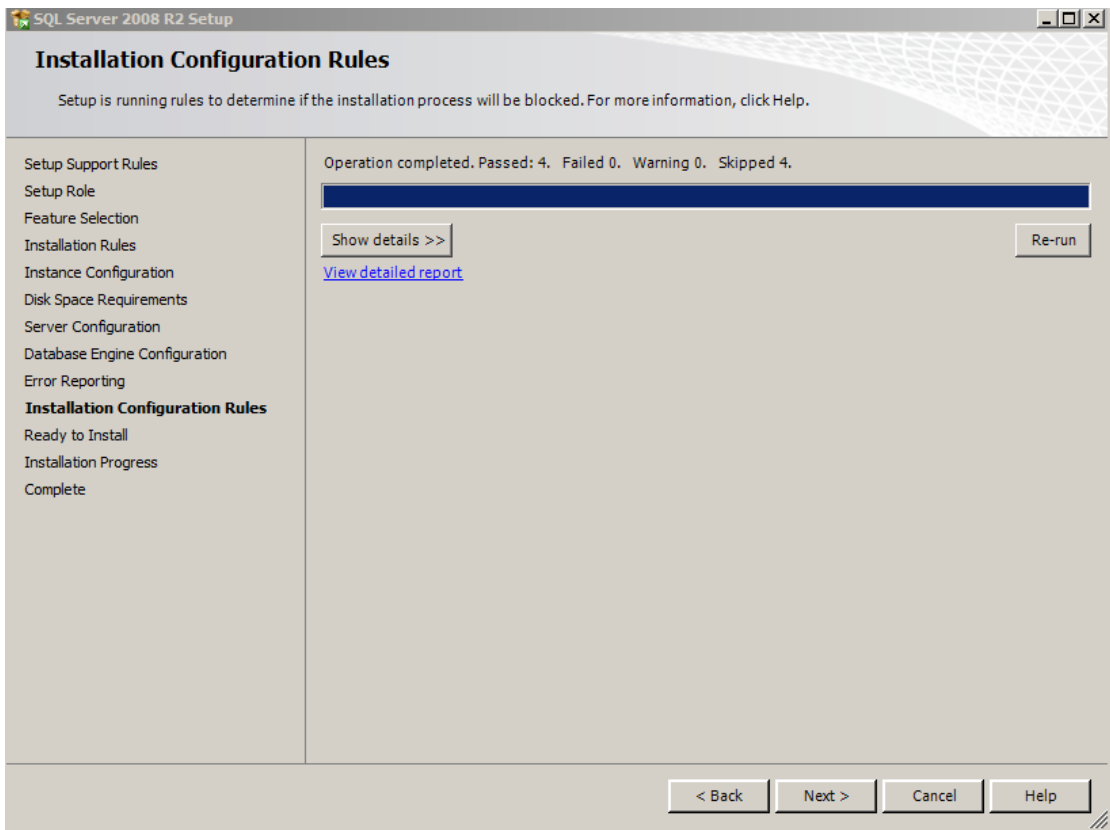


- Select **Mixed Mode**, enter password, click **Add Current User** button to add the administrator and click **Next >** button to continue.

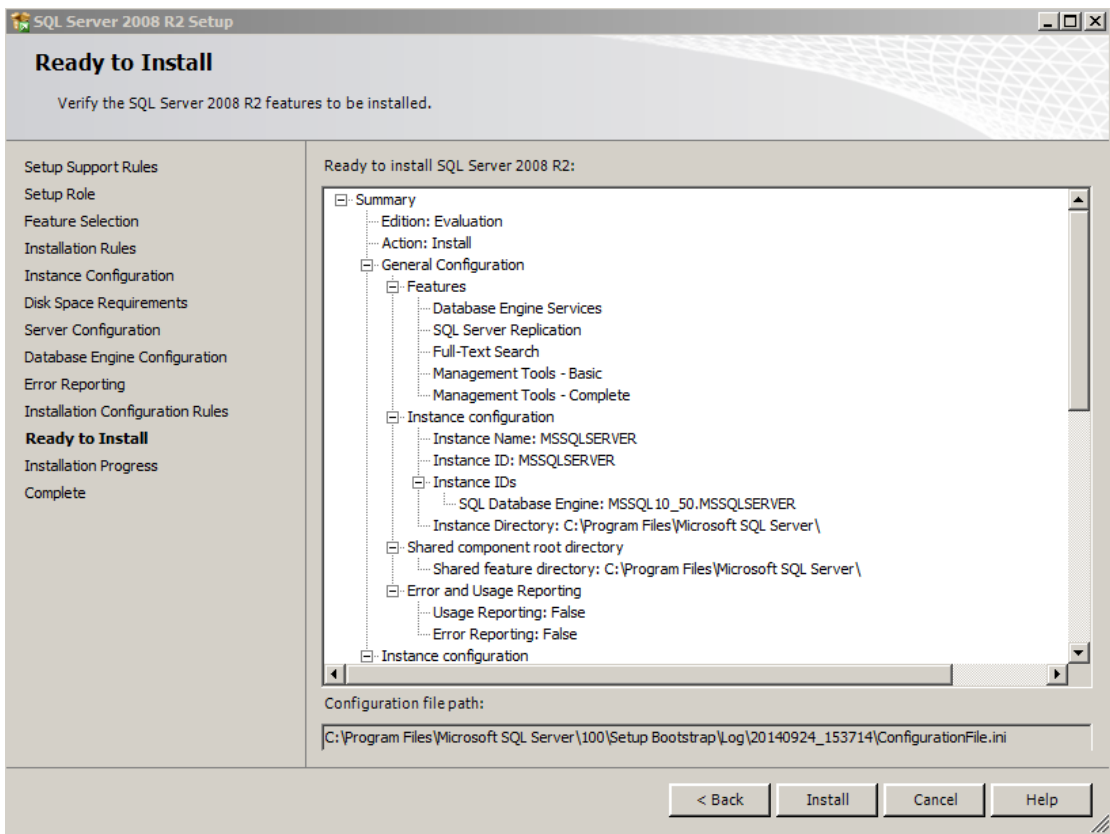
* The password should be a strong cipher which includes upper case letters, lower case letters and numbers.



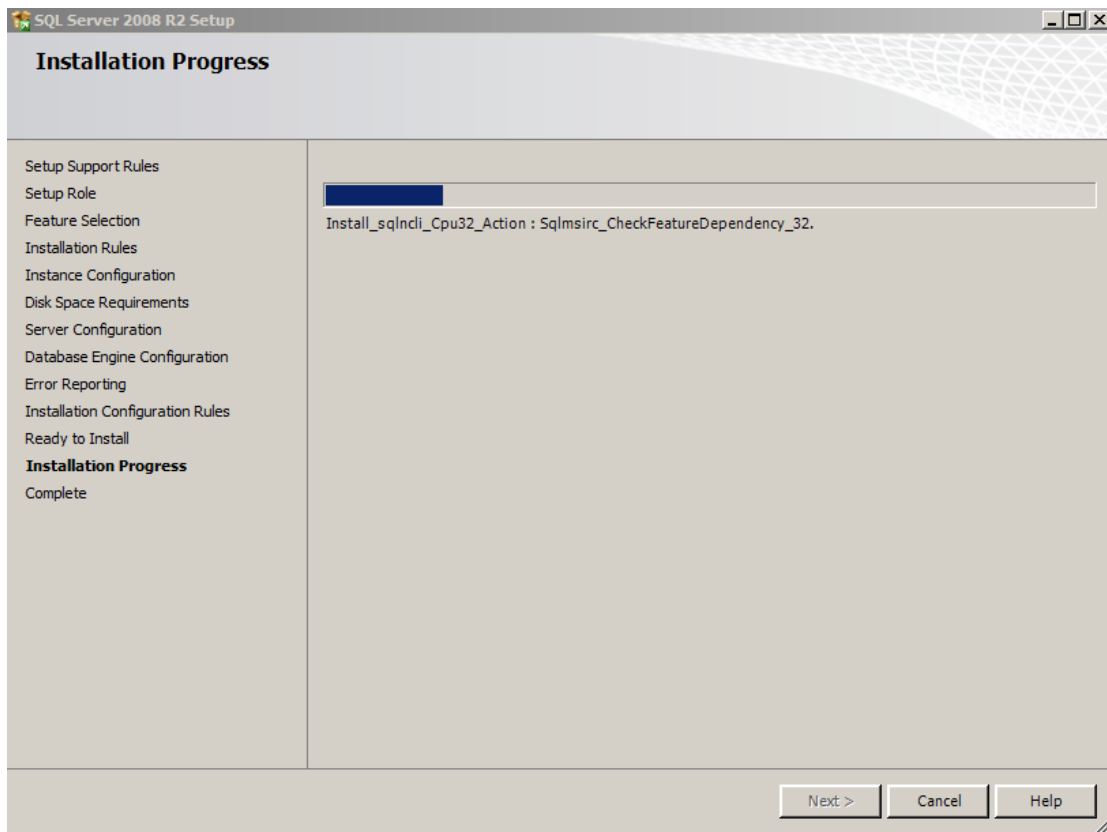
- Click **Next >** to continue.



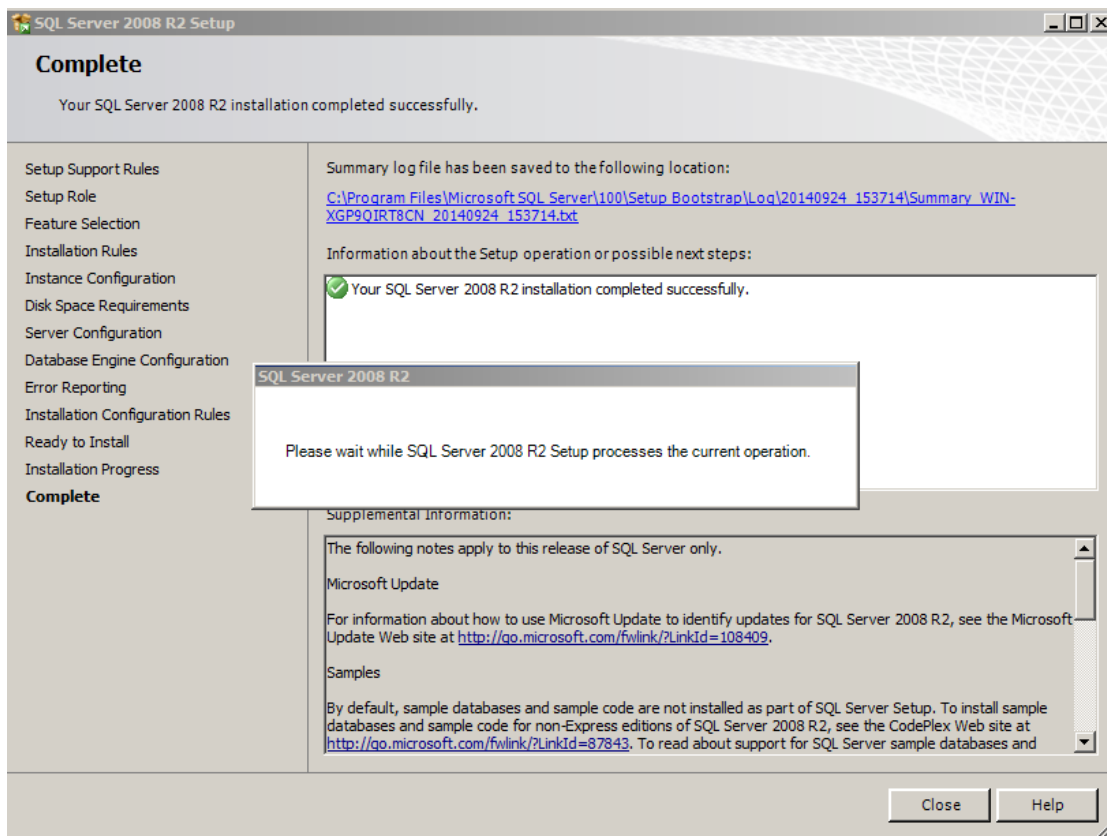
➤ Click **Next >** to continue.



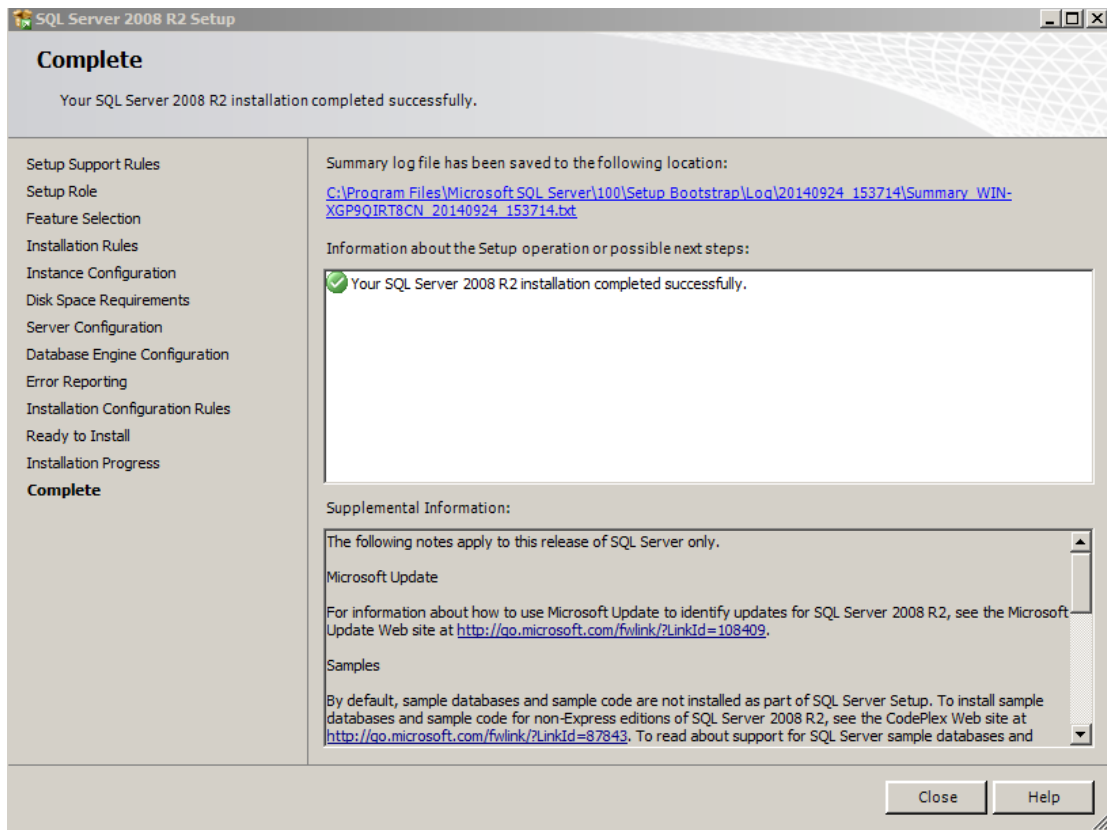
➤ Click **Install** to start installation.



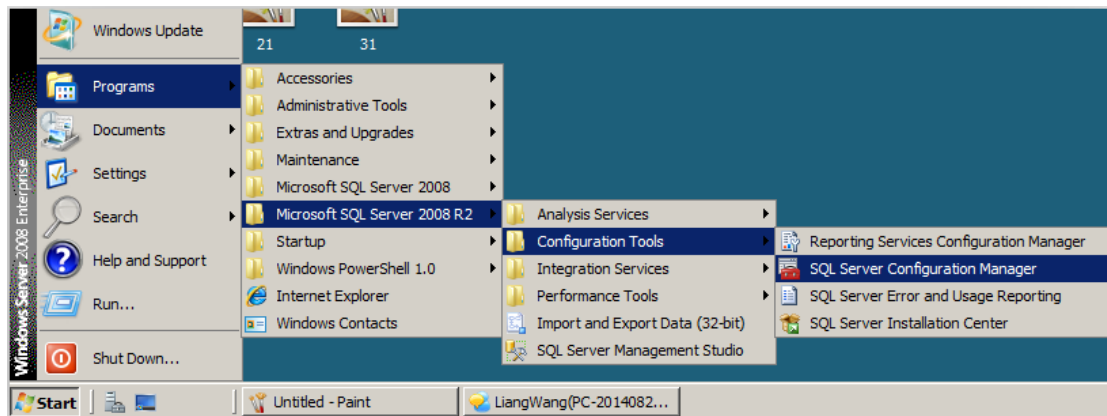
➤ Installing



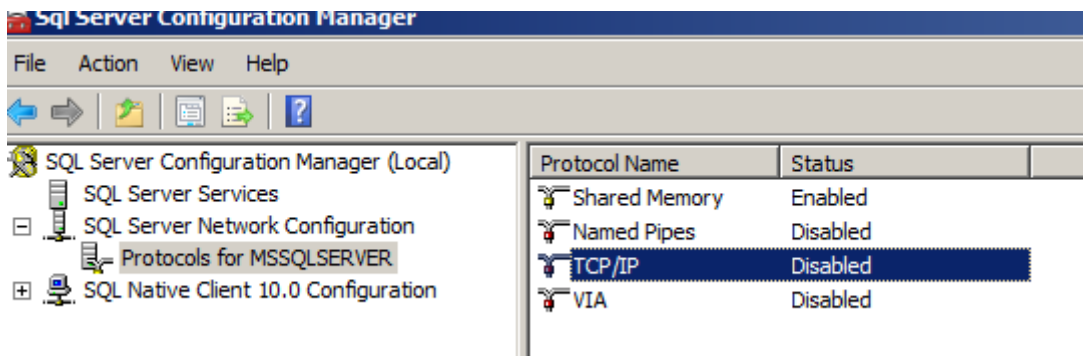
Wait as it prompts.



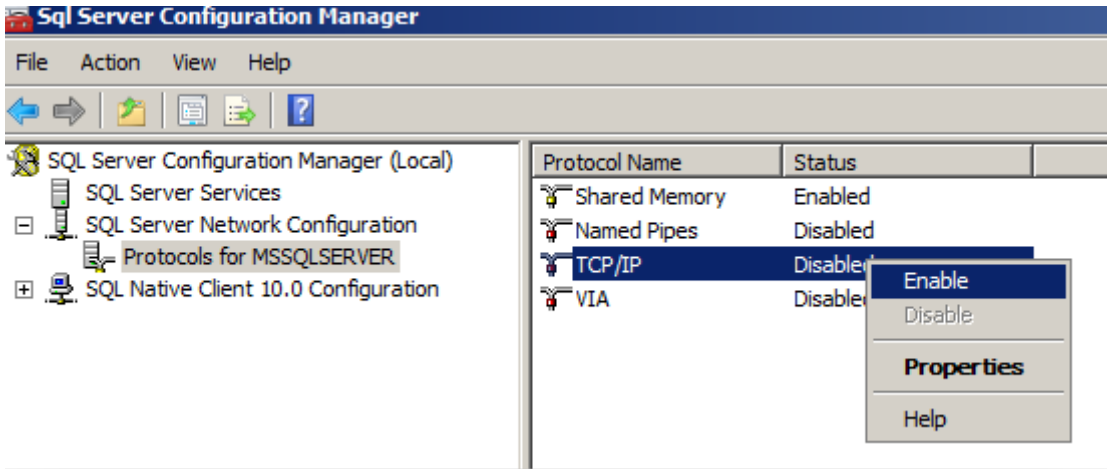
Wait until the SQL Server installation completed, click **Close** to finish.



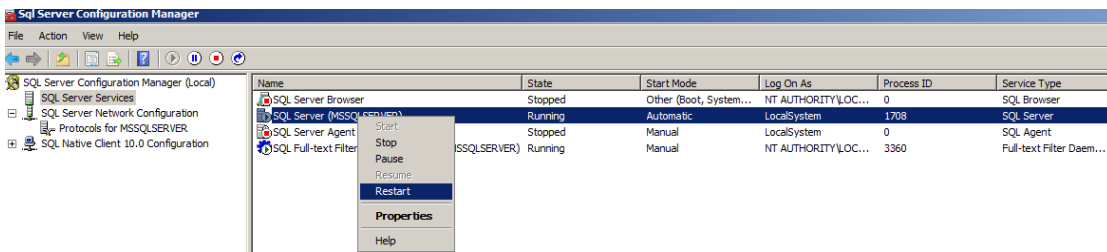
Enter “Start” → “Microsoft SQL Server 2008 R2” → “Configuration Tools” → “SQL Server Configuration Manager”



- Enter “SQL Server Network Configuration” and select “Protocols for MSSQLSERVER”



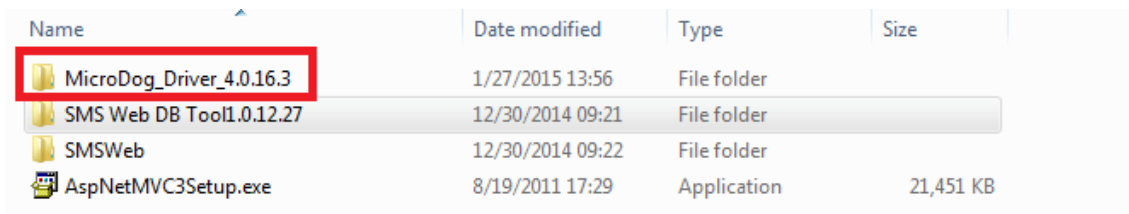
- Select “TCP/IP” and right-click “Enable”



- Select SQL Server (MSSQLSERVER) and right-click to choose ‘Restart’ .
- Wait until the restart completed.

MicroDog Driver Installation (Ignore this section if the driver has been installed already.)

Find the installation folder that the name like “MicroDog_Driver”.



DELPHI	10/16/2014 3:10 PM	File folder	
Installshield	10/16/2014 3:10 PM	File folder	
PB	10/16/2014 3:10 PM	File folder	
VB	10/16/2014 3:10 PM	File folder	
VC	10/16/2014 3:10 PM	File folder	
MicroDogInstdrv	5/24/2012 9:03 PM	Application	198 KB
RCMicroDogSetup.dll	2/8/2010 4:48 PM	Application extension	2,898 KB
Readme-chn	2/4/2010 4:04 PM	Text Document	5 KB
Readme-eng	2/5/2010 4:40 PM	Text Document	7 KB

Open the folder and click the application named MicroDogInstdrv



Click "Install Driver"

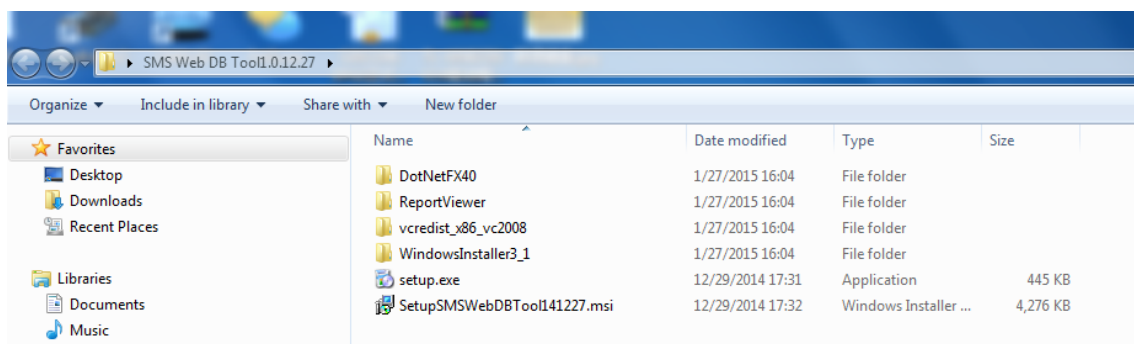


SMS Web DB Tool Installation

Find the folder that the name like "SMS Web DB Tool".

Name	Date modified	Type	Size
MicroDog_Driver 4.0.16.3	1/27/2015 13:56	File folder	
SMS Web DB Tool1.0.12.27	12/30/2014 09:21	File folder	
SMSWeb	12/30/2014 09:22	File folder	
AspNetMVC3Setup.exe	8/19/2011 17:29	Application	21,451 KB

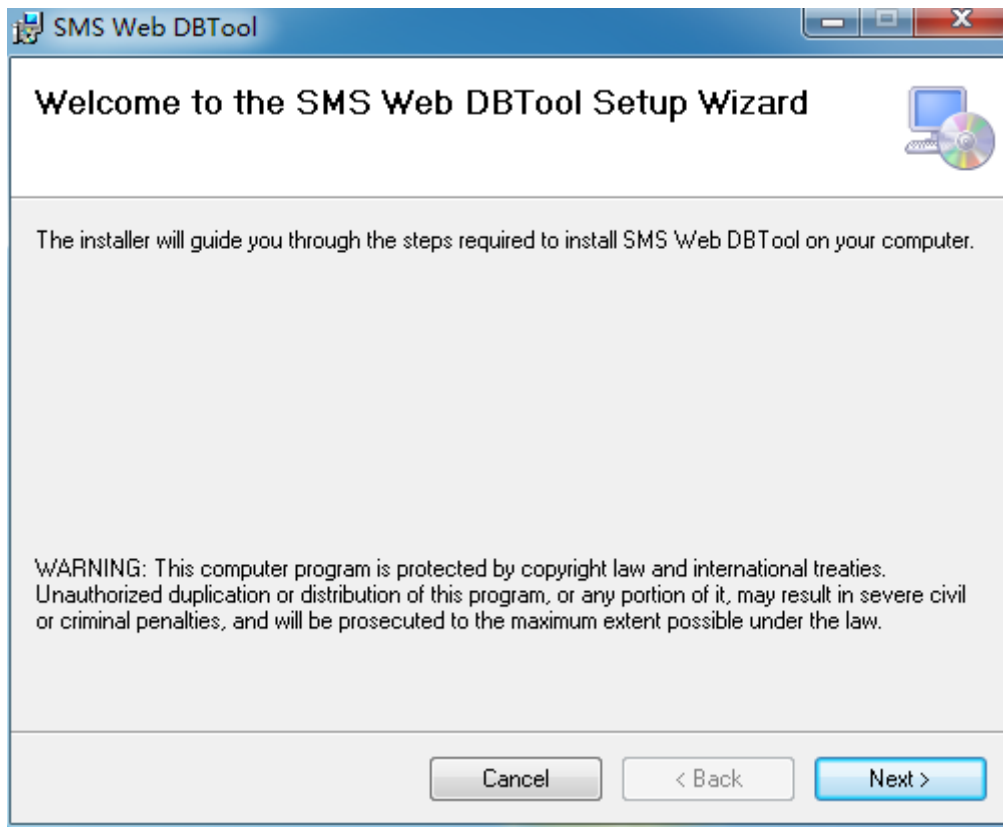
- Open SMS Web DB Tool installation folder



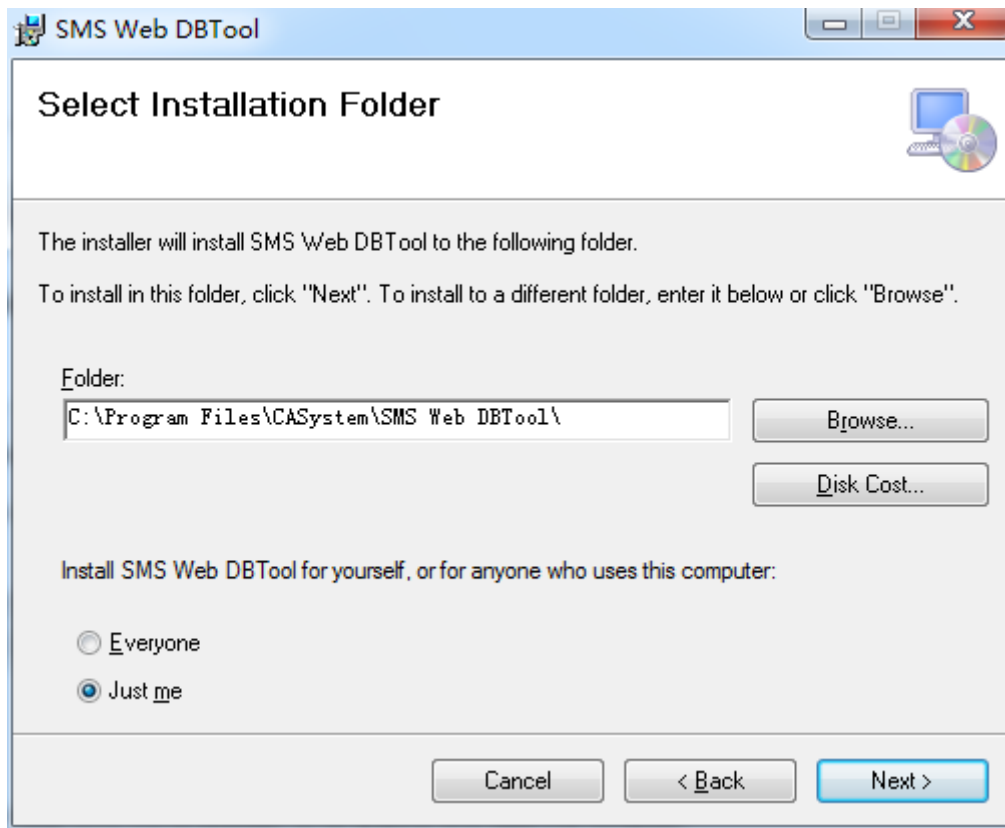
DotNetFX40	9/25/2014 9:02 AM	File Folder
ReportViewer	9/25/2014 9:02 AM	File Folder
vcredist_x86_vc2008	9/25/2014 9:02 AM	File Folder
WindowsInstaller3_1	9/25/2014 9:02 AM	File Folder

**The newly installed server operation system often lacks necessary components, for which reason they are enclosed in the SMS Web DB Tool installation package. Before installing SMS Web DB Tool, it is required to install successively the above components, or SMS running would fail if users run the setup.exe directly without installing these components.*

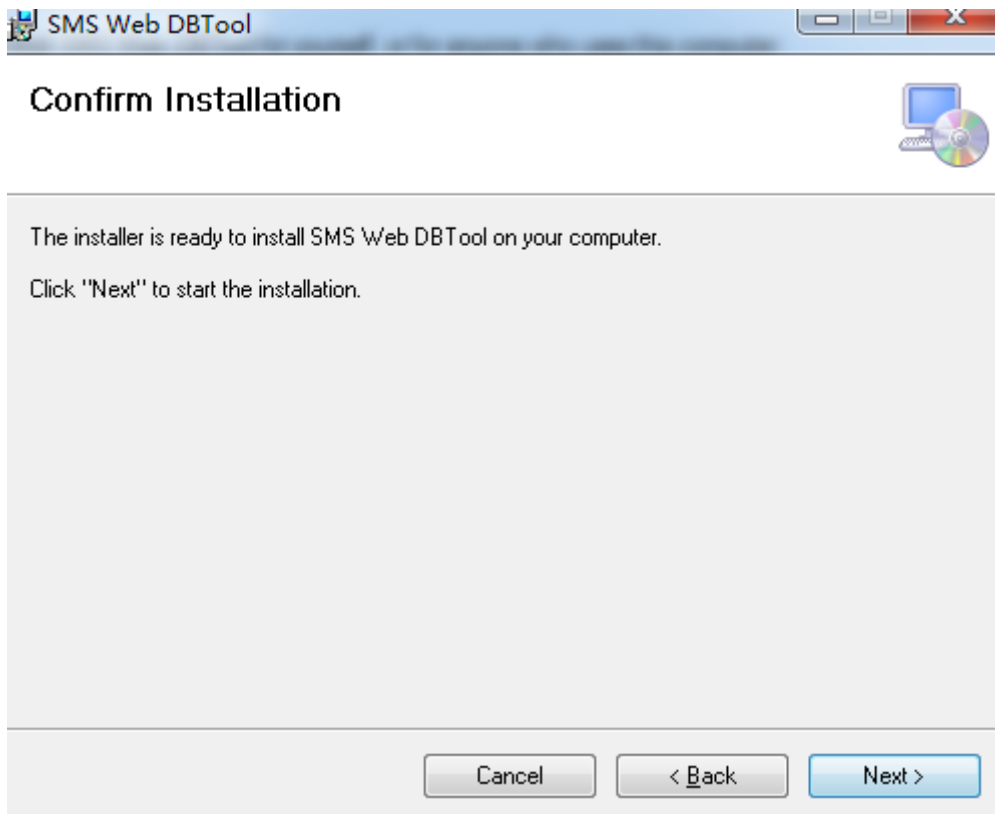
- Double click 'setup.exe'. It will Install the components from the folders DotNetFX40, ReportViewer, vcredist_x86_vc2008 and WindowsInstaller3_1 automatically, if the PC or Server is installed them, the installation will skip them.



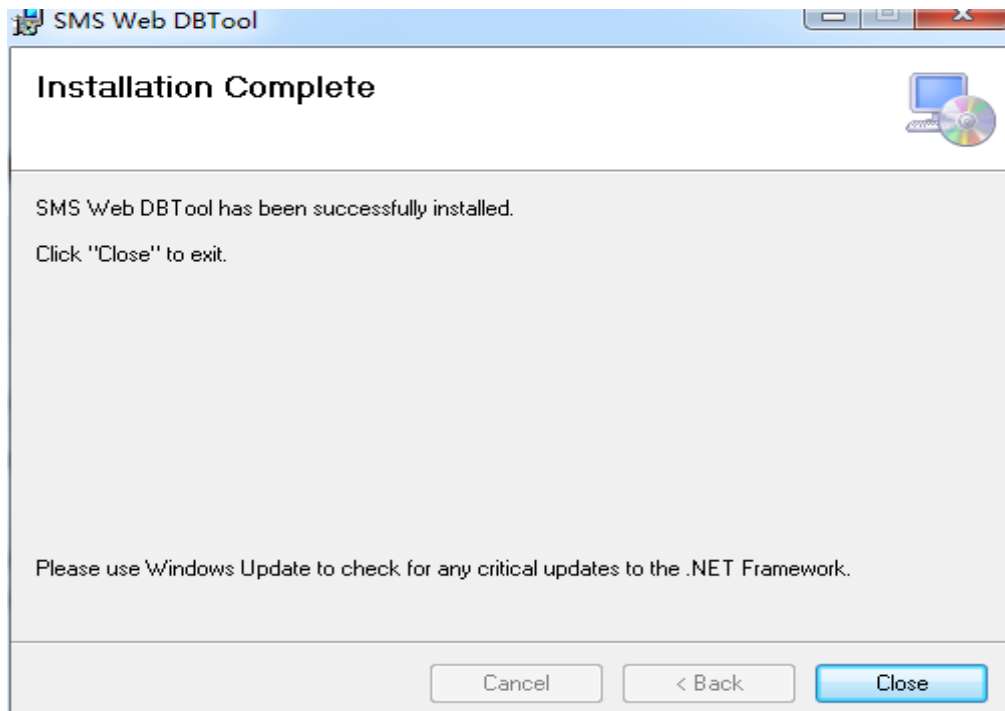
- Click **Next >** to continue.



- Click **Next >** to continue.



- Click **Next >** to continue.

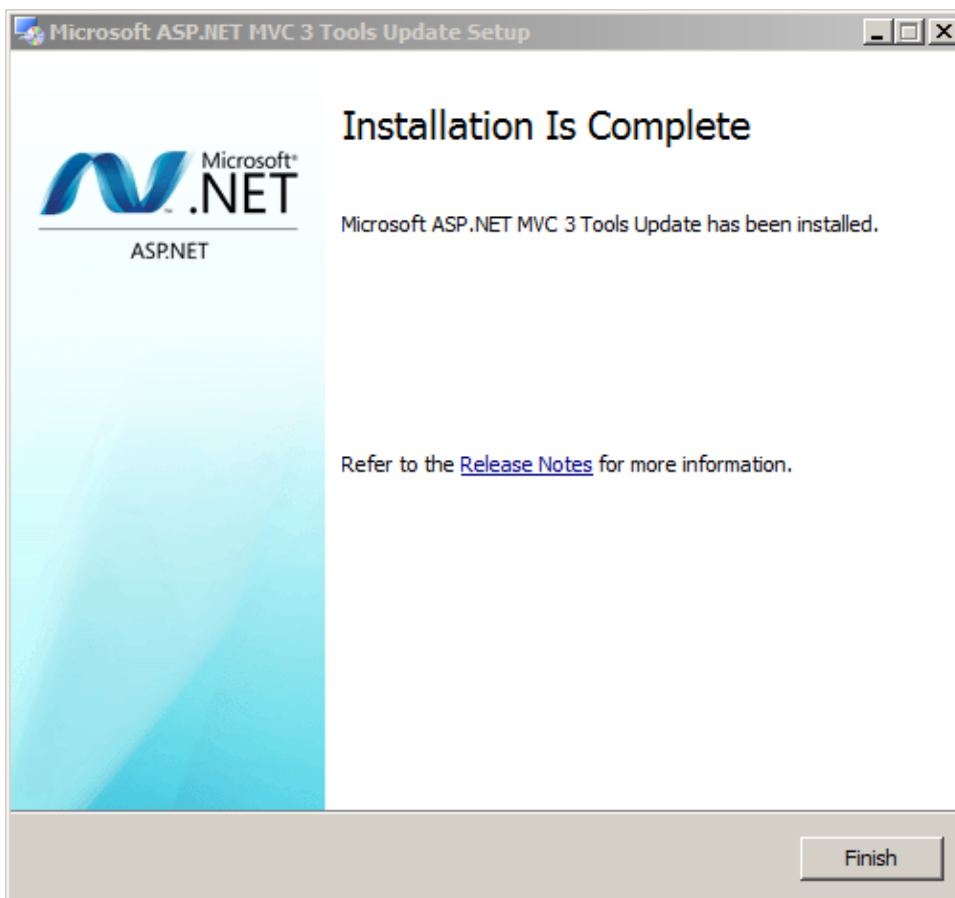
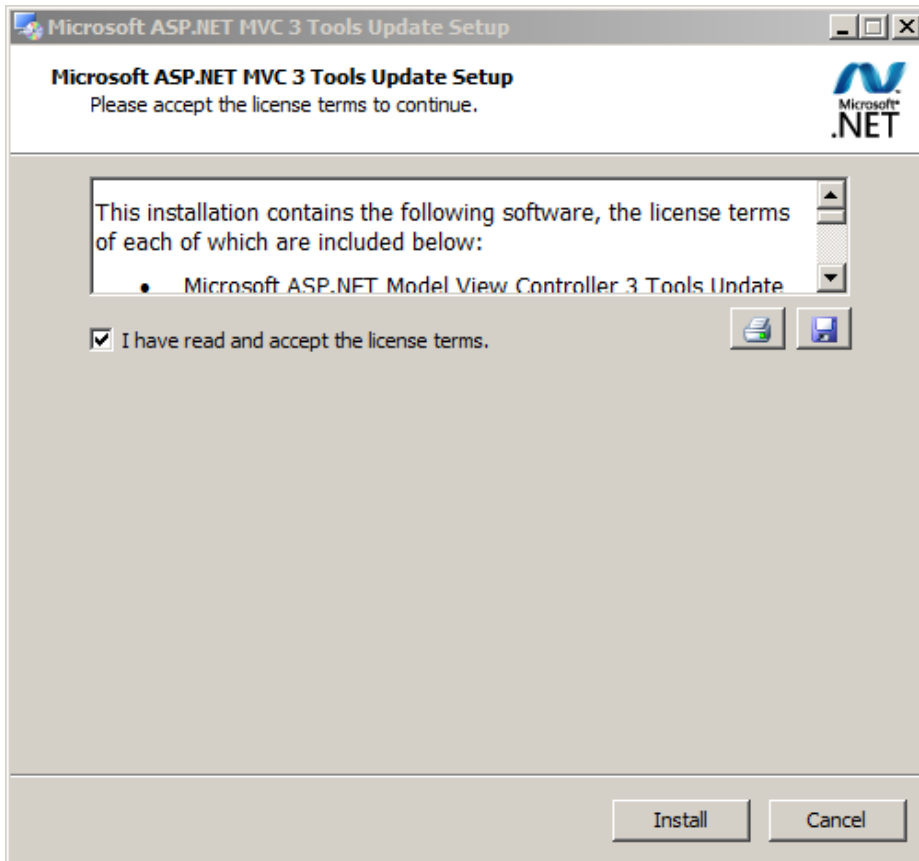


- Click **Close** to finish.

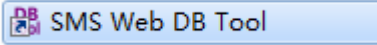
MVC Framework Installation

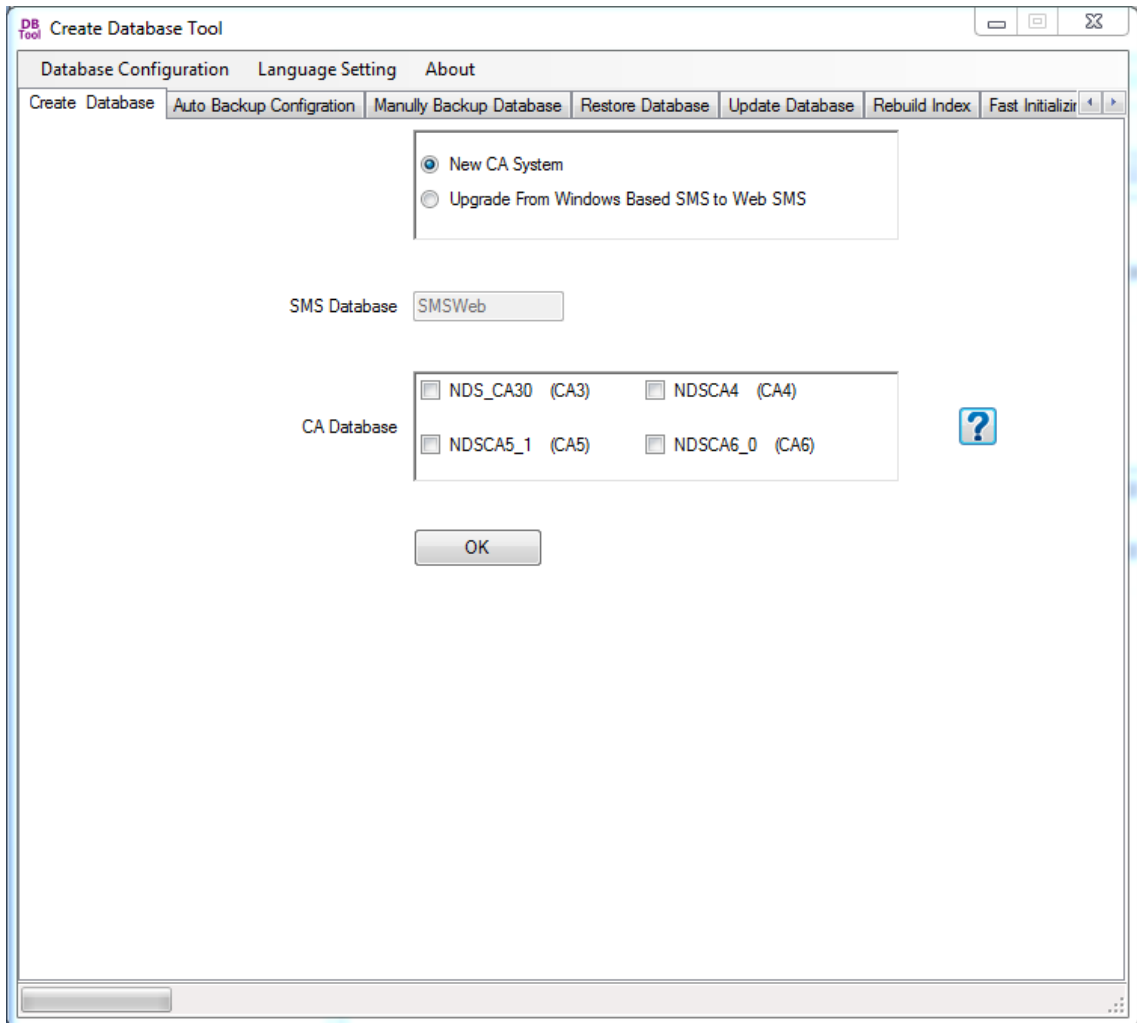
Click "AspNetMVC3ToolsUpdateSetup.exe"

Name	Date modified	Type	Size
MicroDog_Driver_4.0.16.3	1/27/2015 13:56	File folder	
SMS Web DB Tool1.0.12.27	12/30/2014 09:21	File folder	
SMSWeb	12/30/2014 09:22	File folder	
AspNetMVC3Setup.exe	8/19/2011 17:29	Application	21,451 KB

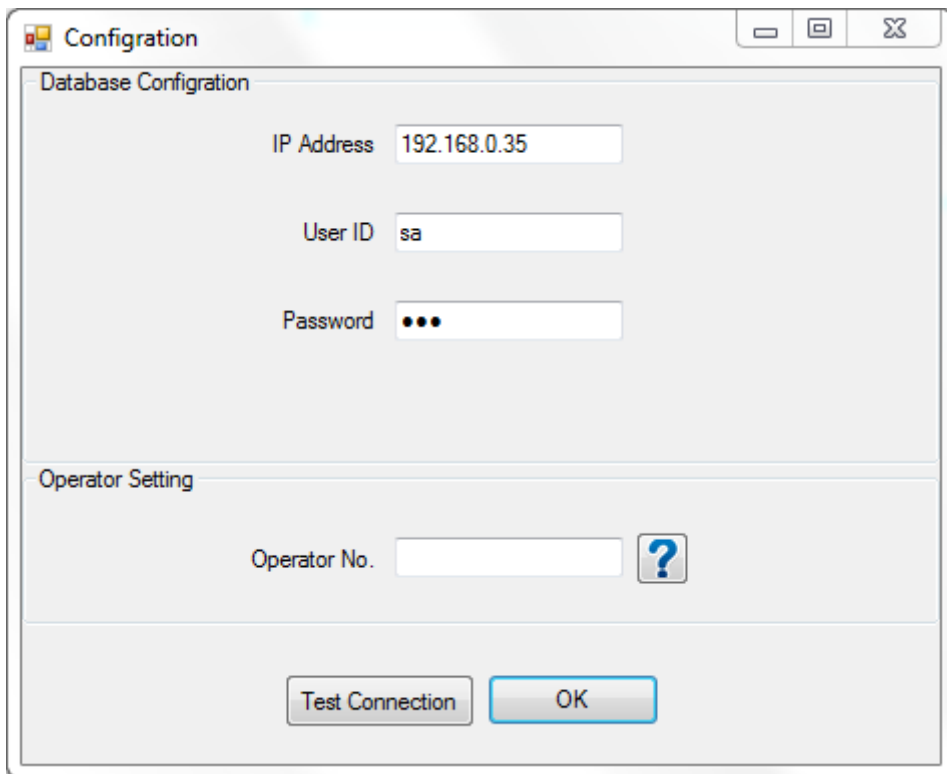


Creat SMSWeb and NDSCA Database with SMS Web DB Tool


- Double click shortcut icon  on the desk after completing the installation of SMS Web DB Tool.



- Click “Database Configuration” .

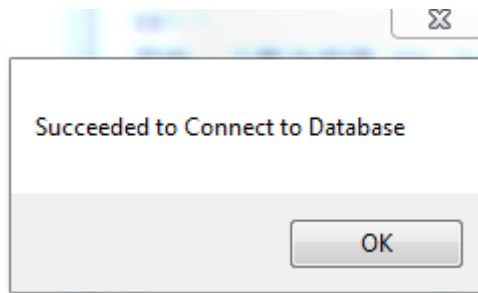


The screenshot shows a 'Configuration' window with two main sections: 'Database Configuration' and 'Operator Setting'. In the 'Database Configuration' section, there are three input fields: 'IP Address' with the value '192.168.0.35', 'User ID' with the value 'sa', and 'Password' with three dots. In the 'Operator Setting' section, there is an 'Operator No.' input field followed by a question mark icon. At the bottom of the window, there are two buttons: 'Test Connection' and 'OK'.

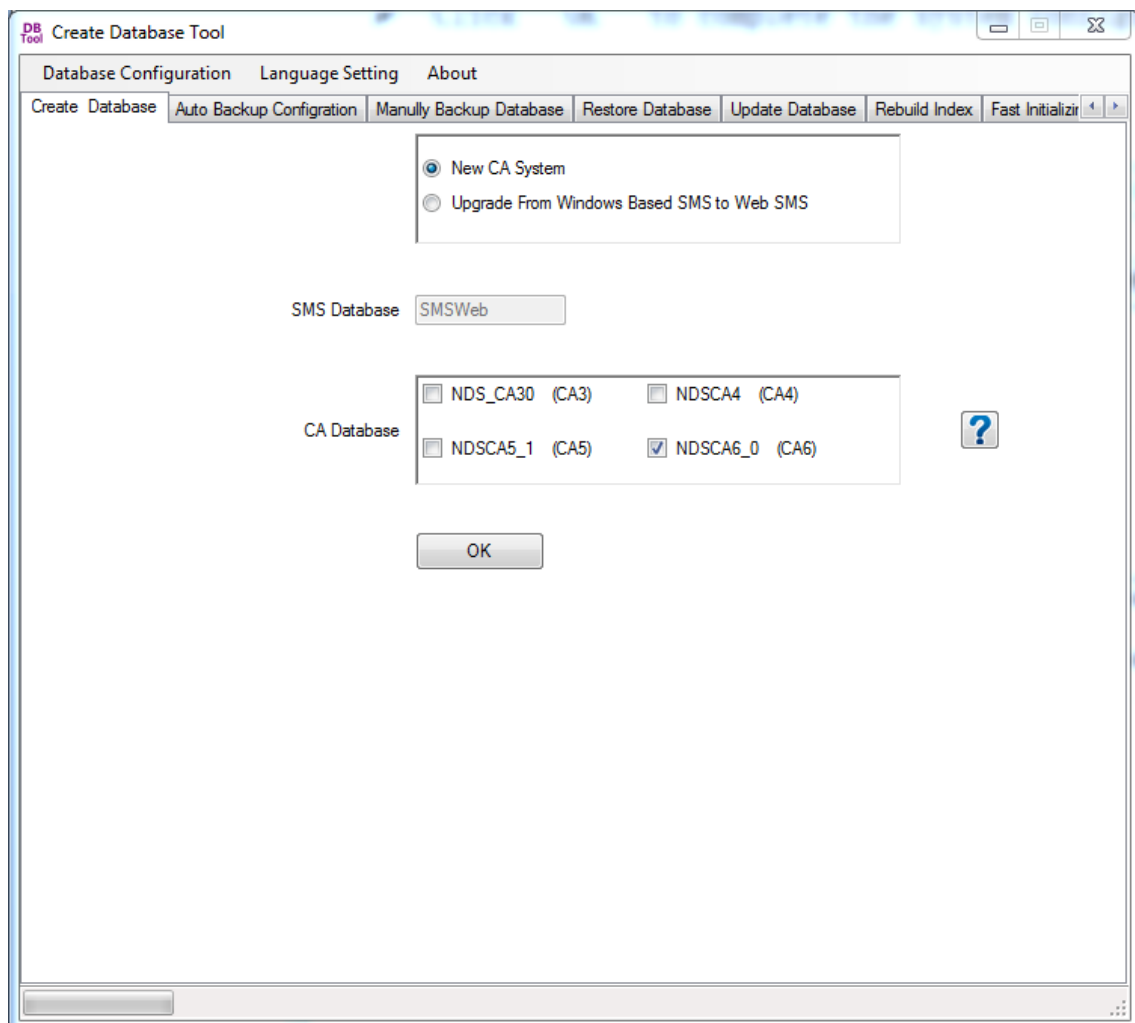
- ✧ IP Address: Enter the server IP.
- ✧ User ID: The login ID “sa” used previously when installing “SQL Server2008 Enterprise Edition”
- ✧ Password: The password created for “sa” previously when installing “SQL Server2008 Enterprise Edition”
- ✧ Operator No. : Enter the operator number which can no longer modified once confirmed. Operator No. is different for every operator. Click button “” to find the Operator No.. Get one of the IC cards, and find the digits from the second to fifth digit of IC Card No.



Click “Test Connection” button at last and it prompts as below:



- Click “OK” to complete the system configuration.
- Click “Create Database” tab.

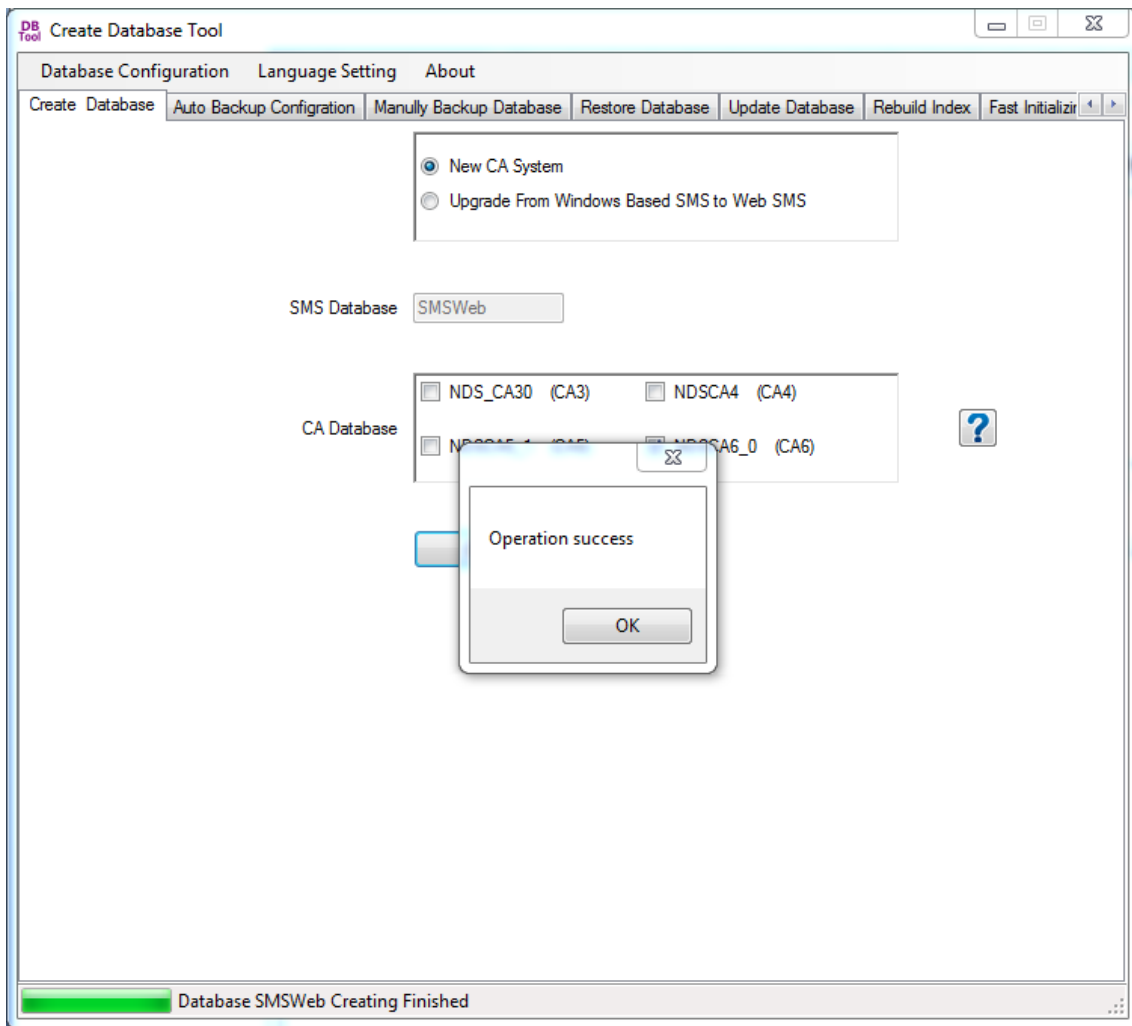


- Check “New CA System” indicates that new a CA System completely. Check “Upgrade from Old SMS to Web SMS” indicates that new database named SMSWeb only, and need Data Transfer Tool to transfer the data of Old SMS to Web SMS. The default SMS Database name is SMSWeb. Select CA Database according to your CAS version. Click “OK” at last and wait until the database creation completes.


You can find the CA Version on STB Menu as below

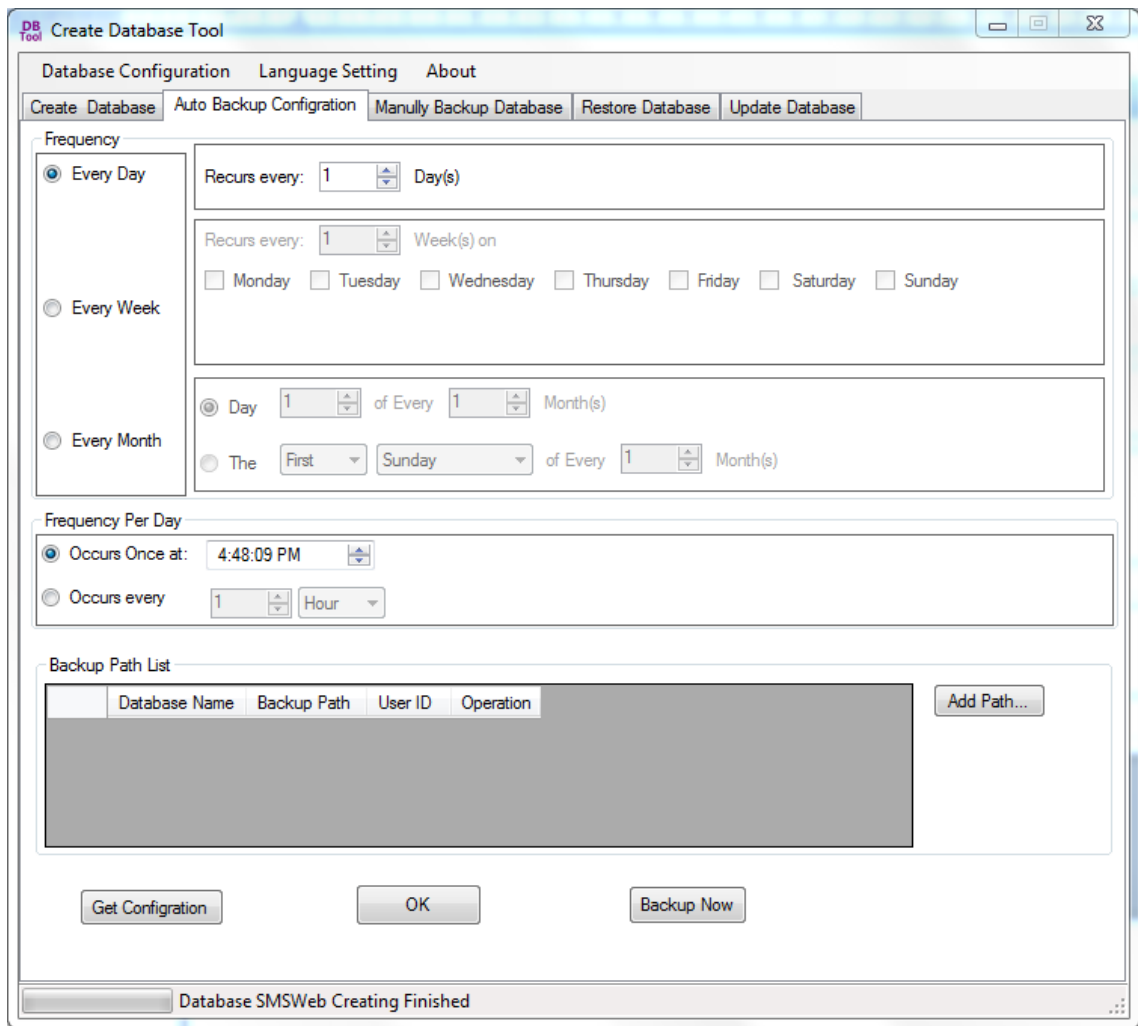


CA Version on STB	Corresponding CA System Version
CA-D4.X.X.X.X	CA4
CA-D5.2.X.X.X	CA5
CA-D5.3.X.X.X	
CA-D5.6.X.X.X	CA6
CA-D5.7.X.X.X	

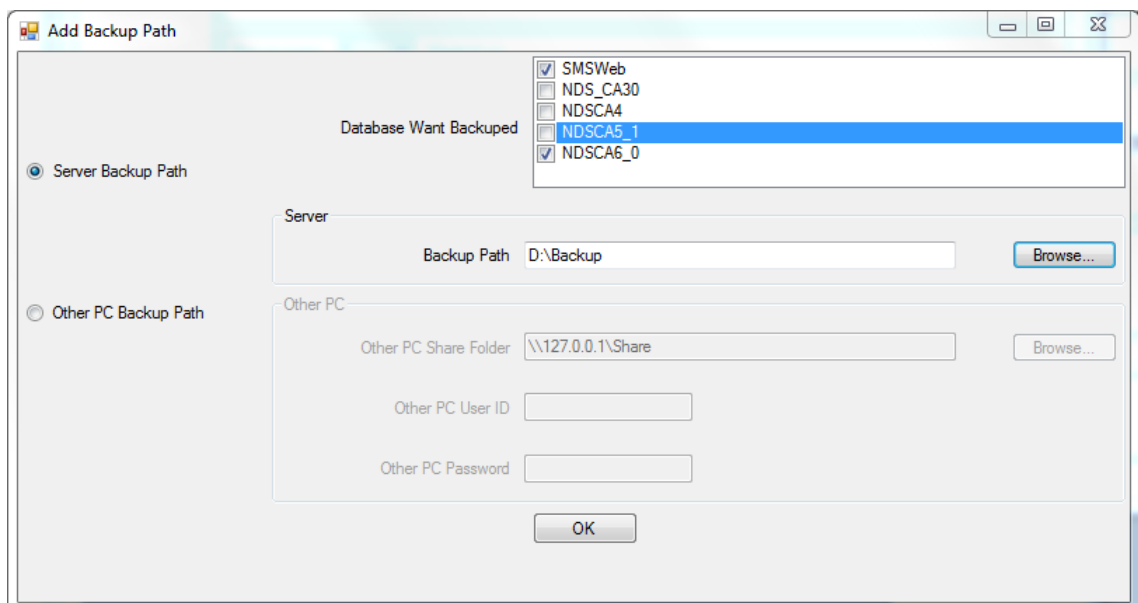


- Click “Auto Backup Configuration” to set auto backup.

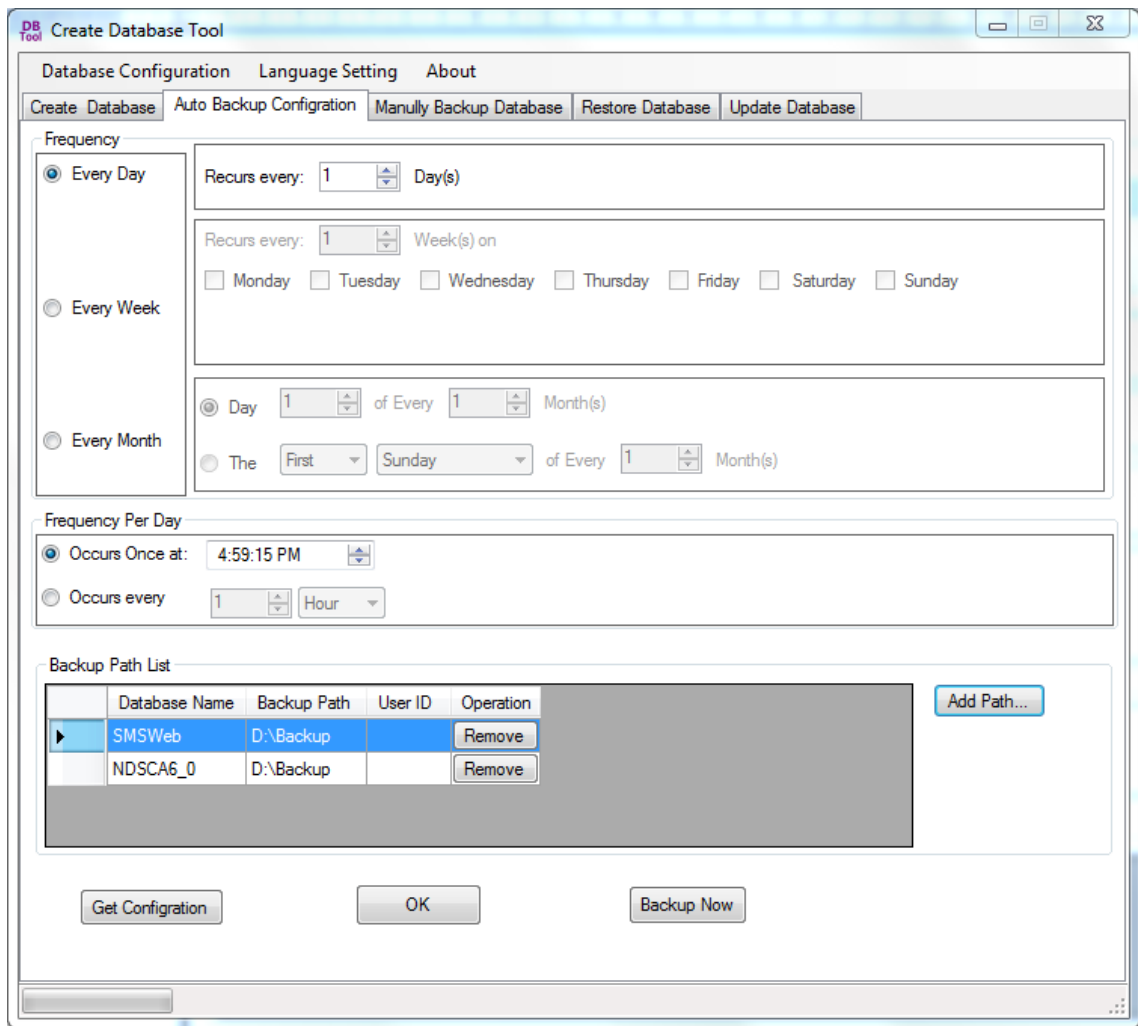
 *Auto backup configured below is of great importance. Users shall properly set the auto backup and copy out the backup files to a hard disk or USB disk at regular intervals.*



- Click "Add Path..." to set the path where to save the backup files.



- It is suggested to set backup every day and designate a backup frequency time.




- Click "OK" to save the configuration.

CAS6.0 Installation and Configuration (Optional)

CAS6.0 Installation

- CAS6.0 contains CASserverWeb, ECMG and EMMG three parts.

Name	Date modified	Type	Size
CA web6	2014/10/14 11:35	File folder	
ECMG6.11_2014.9.24	2014/10/14 11:35	File folder	
EMMG6.15_2014.9.17	2014/10/14 11:35	File folder	

- Double click corresponding  Setup.exe program respectively to install the 3 parts. The setup procedures are easy:

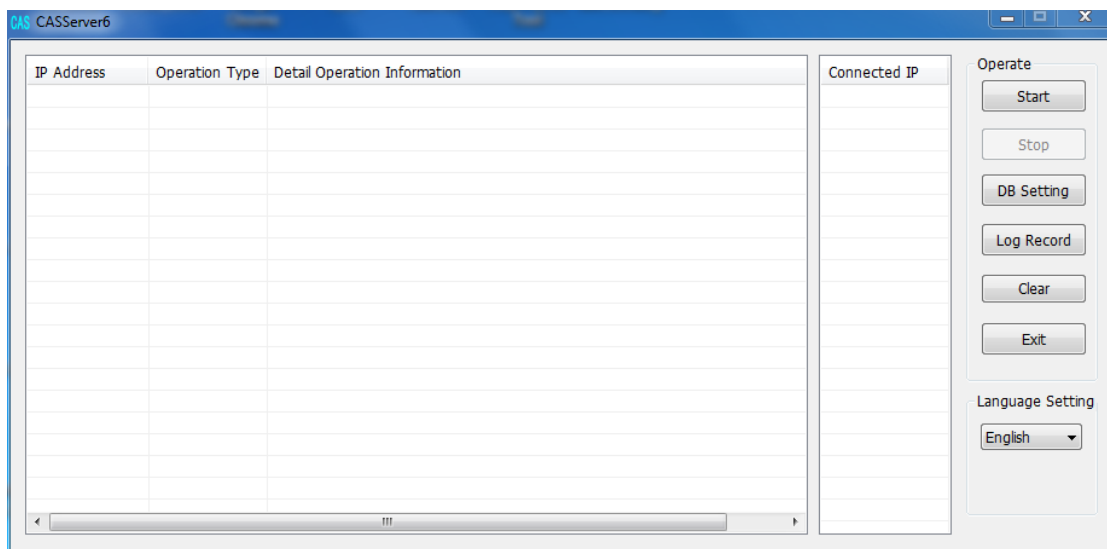
Select agree with the statement, click step by step to complete the installation. The shortcut icons generated are as below:



CAS6.0 Configuration

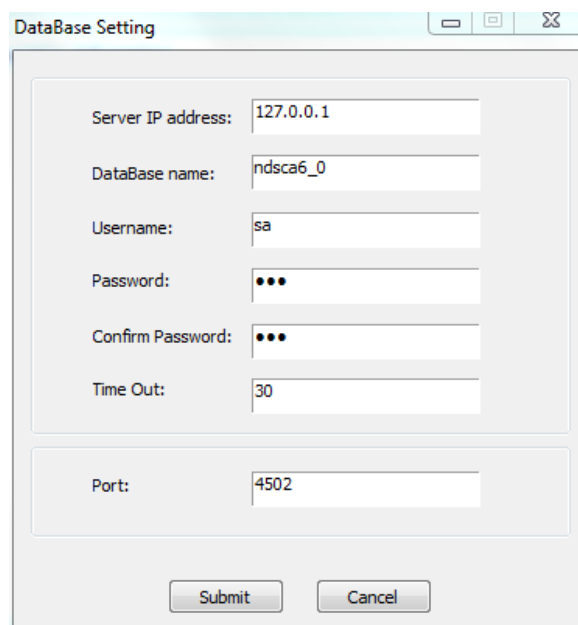
CASServer_Web6 Configuration

- Double click  to run the program.



**As it is the first-time running, it will take more time to configure the parameters and pop out the setting interface as above.*

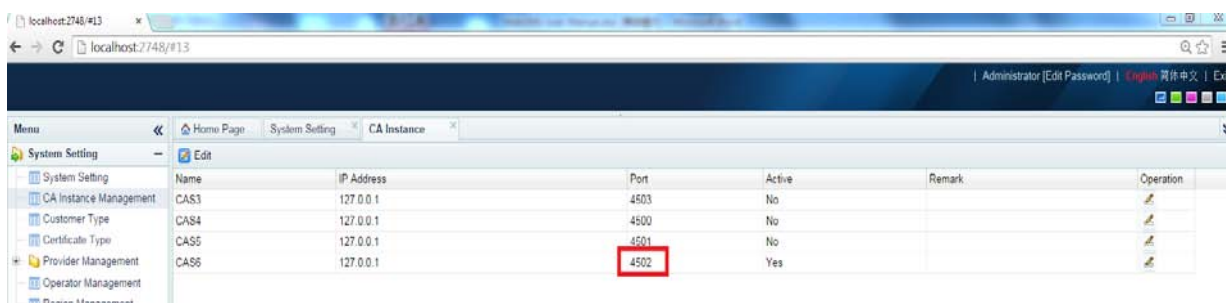
- Click “Stop” first, and then click “DB Setting”.



The 'DataBase Setting' dialog box contains the following fields and values:

- Server IP address: 127.0.0.1
- DataBase name: ndsca6_0
- Username: sa
- Password: ●●●
- Confirm Password: ●●●
- Time Out: 30
- Port: 4502


- ✧ Server IP address: to enter the server IP address where the database is installed.
- ✧ Data Base Name: to enter the CAS name created previously by SMS Web DB Tool.
- ✧ User name: to enter “sa” which is the login name created when installing SQL Server2008.
- ✧ Password: password for “sa”
- ✧ Time Out: to set a time limit (unit: second) over which it will give alert.
- ✧ Port: to enter a port number in accordance with CAS port set in WebSMS.

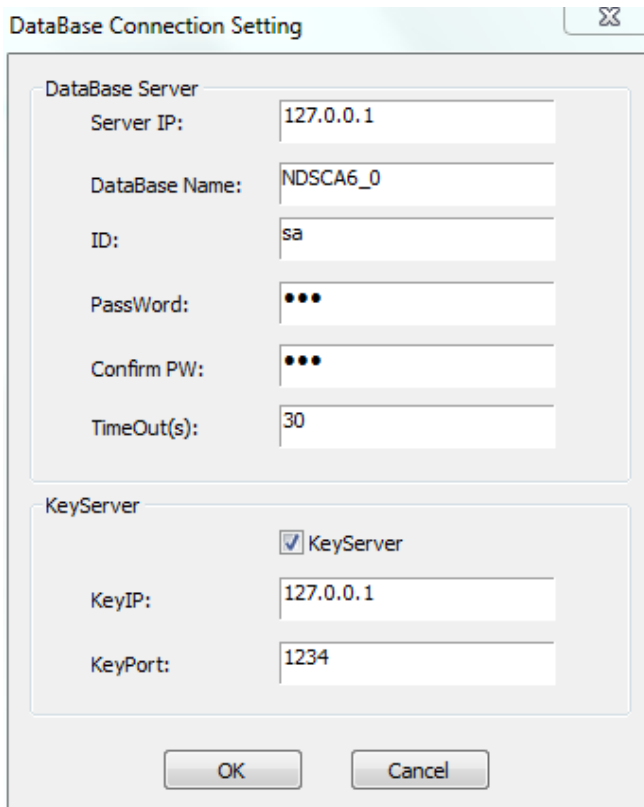


Name	IP Address	Port	Active	Remark	Operation
CAS3	127.0.0.1	4503	No		
CAS4	127.0.0.1	4500	No		
CAS5	127.0.0.1	4501	No		
CAS6	127.0.0.1	4502	Yes		

- After completing the settings, click “Submit” and then click “Start” to run the CASServer_Web5.0.

ECMG Configuration

- Double click  to run the program.
- For first-time to run ECM, a dialog box for database configuration will pop out as below:



The screenshot shows a dialog box titled "DataBase Connection Setting". It is divided into two main sections: "DataBase Server" and "KeyServer".

DataBase Server section:

- Server IP: 127.0.0.1
- DataBase Name: NDSCA6_0
- ID: sa
- PassWord: [masked with dots]
- Confirm PW: [masked with dots]
- TimeOut(s): 30

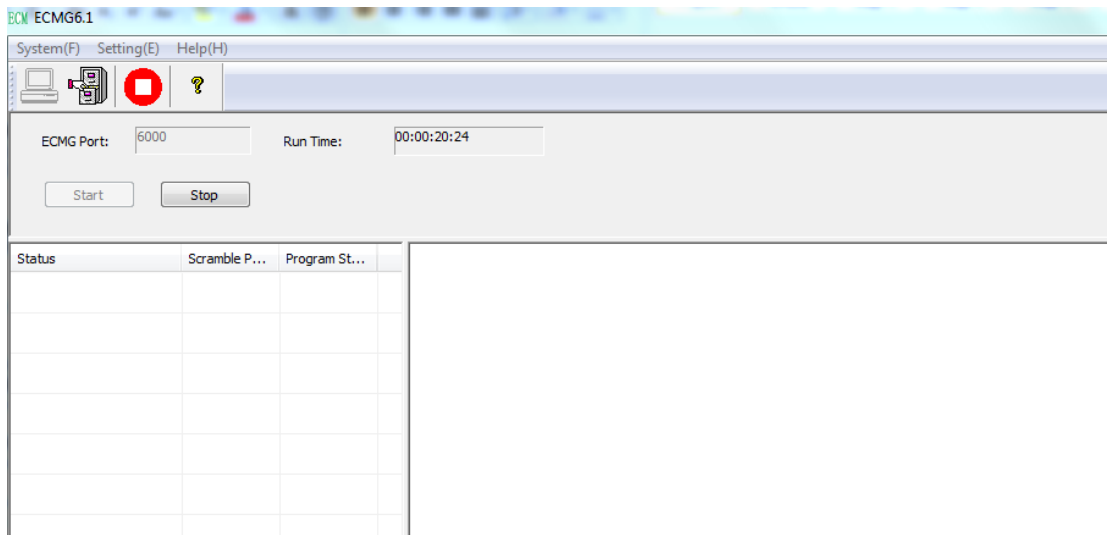
KeyServer section:

- KeyServer
- KeyIP: 127.0.0.1
- KeyPort: 1234

At the bottom of the dialog are two buttons: "OK" and "Cancel".

- ✧ Server IP: to enter the server IP address where the database is installed. '127.0.0.1' represents the local IP address.
- ✧ Data base name: to enter the CAS name created previously by SMS Web DB Tool.
- ✧ ID: to enter "sa" which is the login name created when installing SQL Server2008.
- ✧ Password: "123"
- ✧ Time out: to set a time limit (unit: second) over which it will give alert.

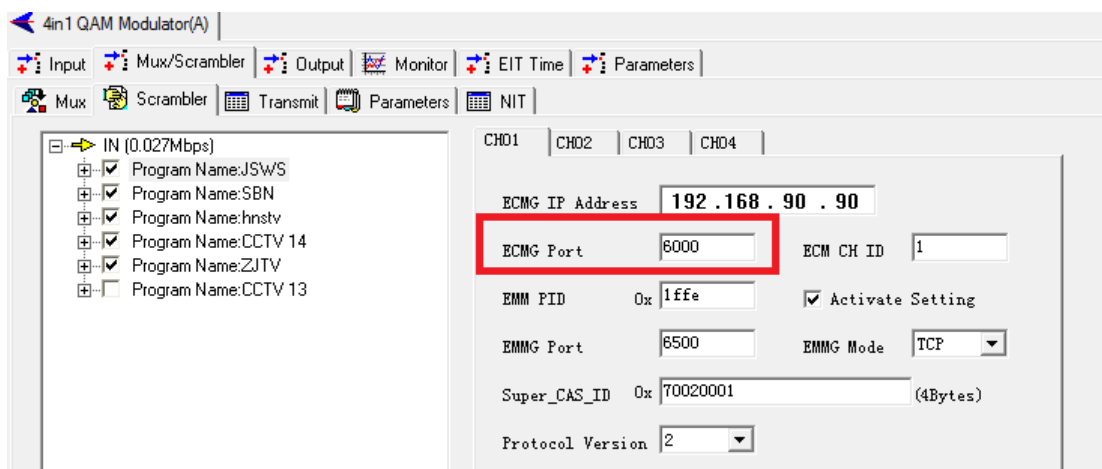
- ◇ Key Server Setting: to check “Key Server” box and input “0” in both Key IP and Port boxes. If there is no key server, please cancel the selection of “Key Server”.
- Click “OK” button and then enter “Setting→Database Setting” to cancel the Key Server by removing the symbol “√”.




- Click “Stop”, and then “Setting→Database Setting”

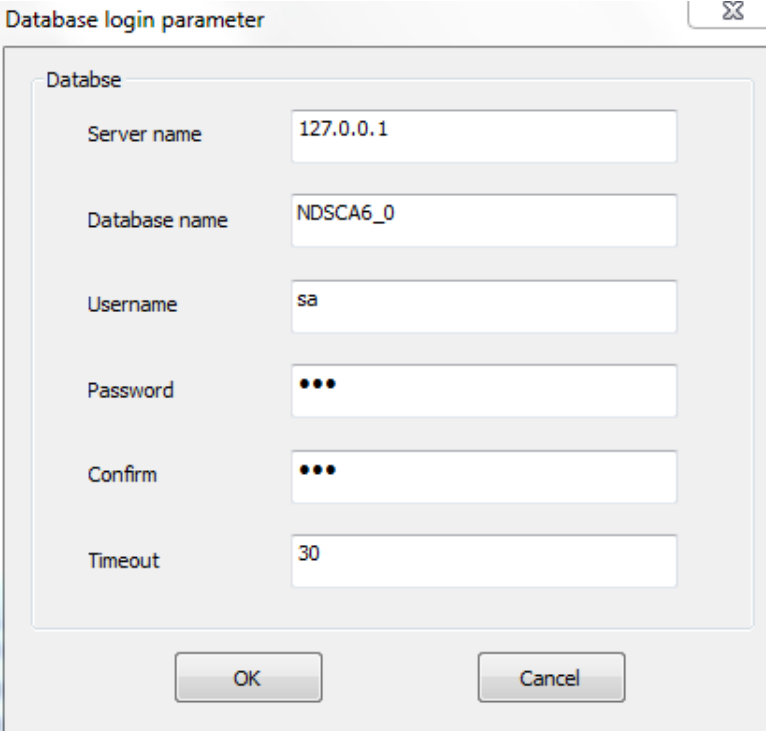
**Key Server is a device used to double encrypt the TS. Generally, it is not needed.*

- Set the ECMG Port number in accordance with ECMG Port in the scrambler web management interface.



EMMG Configuration

- Double click  to run the program.
- For the first-time to run ECM, a dialog box for database configuration will pop out as below:

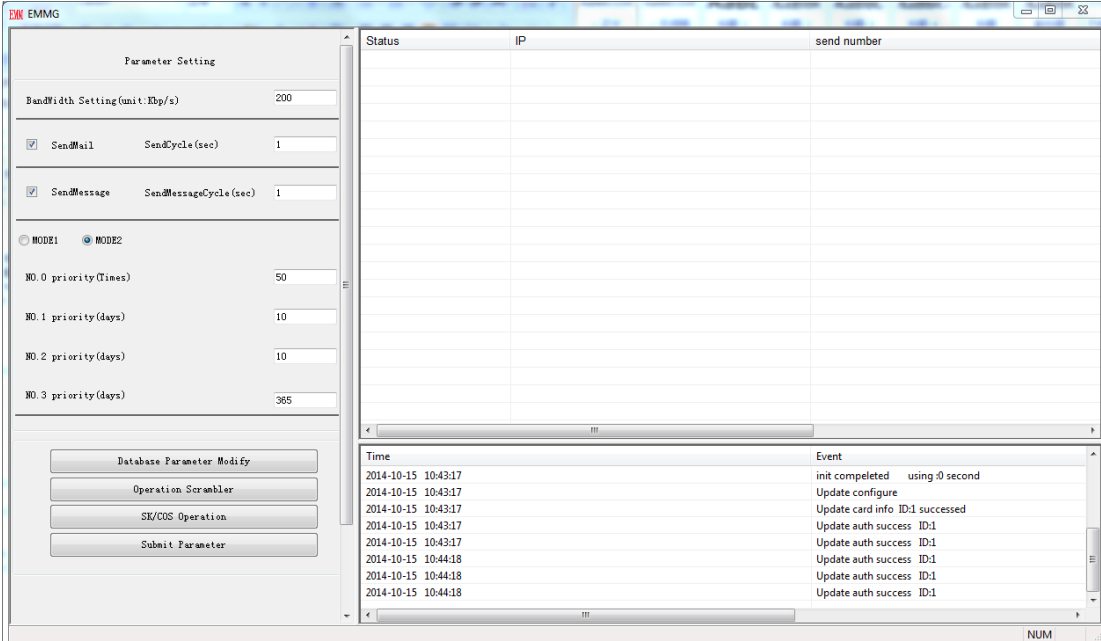


The dialog box is titled "Database login parameter" and contains the following fields:

Field	Value
Server name	127.0.0.1
Database name	NDSCA6_0
Username	sa
Password	•••
Confirm	•••
Timeout	30

Buttons: OK, Cancel

- Click "OK" button after completing the database.



The main interface shows "Parameter Setting" on the left and a log window on the right.

Parameter Setting:

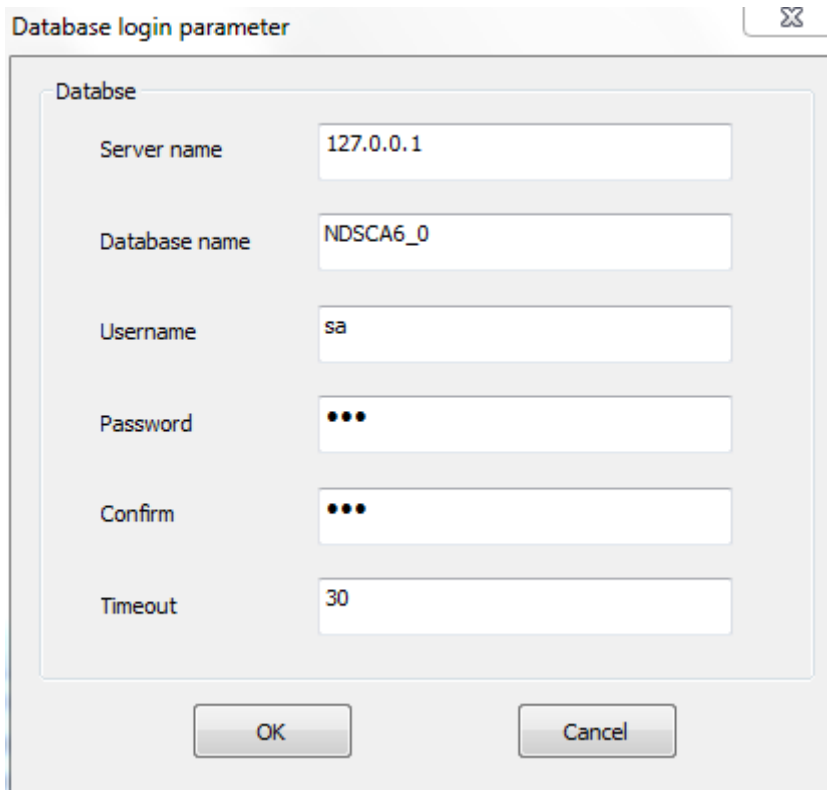
- Bandwidth Setting (unit: Kbp/s): 200
- SendMail SendCycle (sec): 1
- SendMessage SendMessageCycle (sec): 1
- MODE1 / MODE2
- NO. 0 priority (Times): 50
- NO. 1 priority (days): 10
- NO. 2 priority (days): 10
- NO. 3 priority (days): 365

Buttons: Database Parameter Modify, Operation Scrambler, SIM/CDS Operation, Submit Parameter

Log Window:

Time	Event
2014-10-15 10:43:17	init completed using .0 second
2014-10-15 10:43:17	Update configure
2014-10-15 10:43:17	Update card info ID:1 succeeded
2014-10-15 10:43:17	Update auth success ID:1
2014-10-15 10:43:17	Update auth success ID:1
2014-10-15 10:44:18	Update auth success ID:1
2014-10-15 10:44:18	Update auth success ID:1
2014-10-15 10:44:18	Update auth success ID:1

- User can click “Database Parameter Modify” button to modify the database parameters.

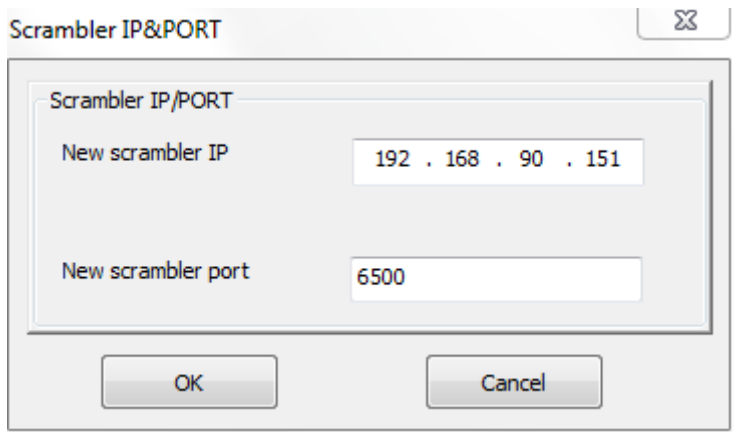
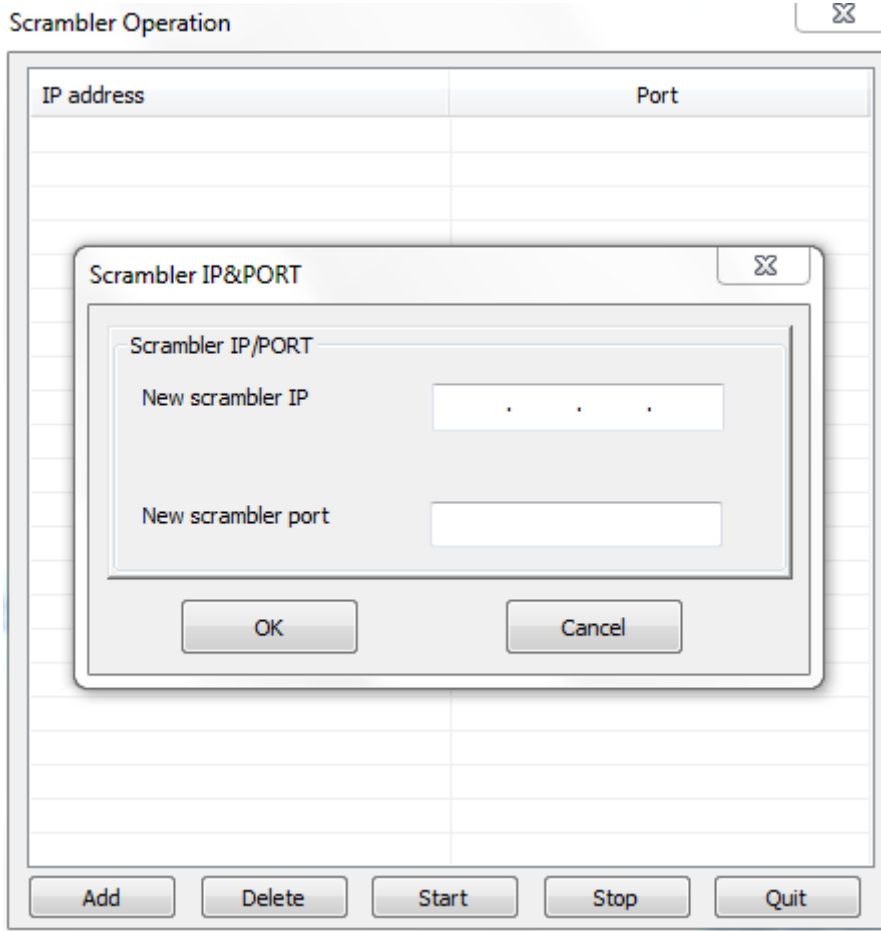


The screenshot shows a dialog box titled "Database login parameter" with a close button in the top right corner. The dialog contains a section labeled "Database" with the following fields:

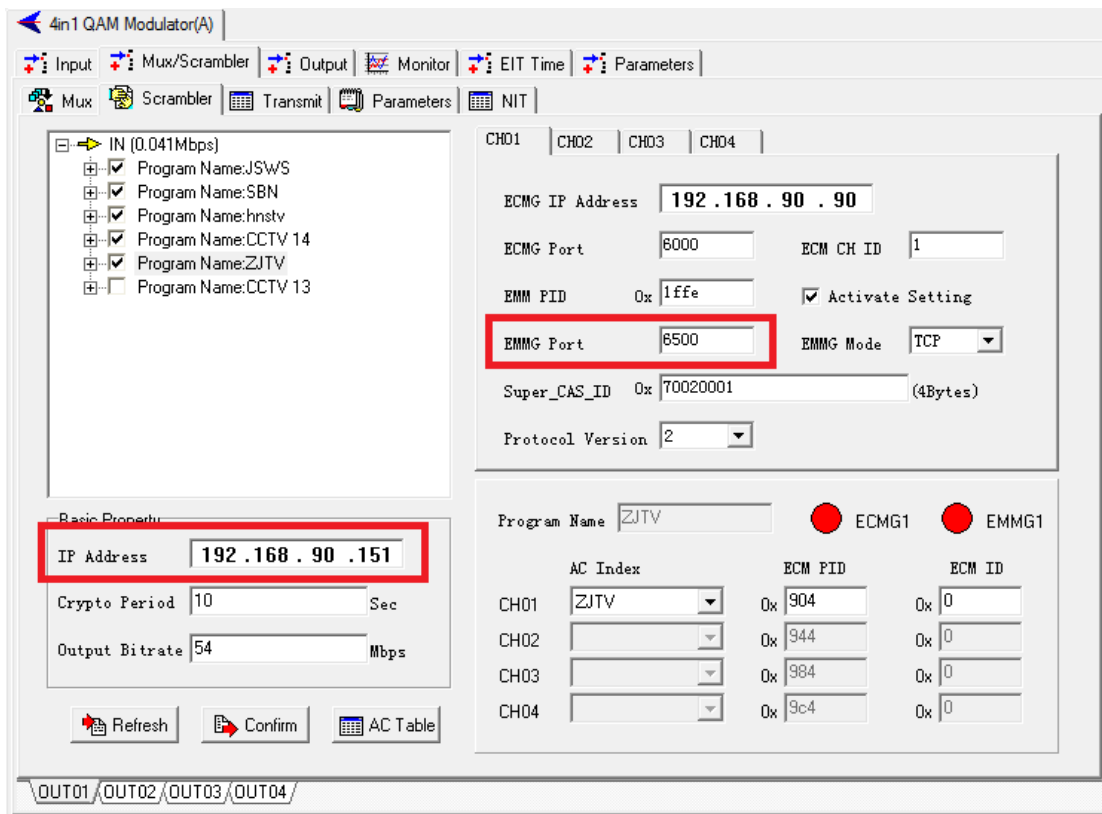
Field	Value
Server name	127.0.0.1
Database name	NDSCA6_0
Username	sa
Password	•••
Confirm	•••
Timeout	30

At the bottom of the dialog are two buttons: "OK" and "Cancel".

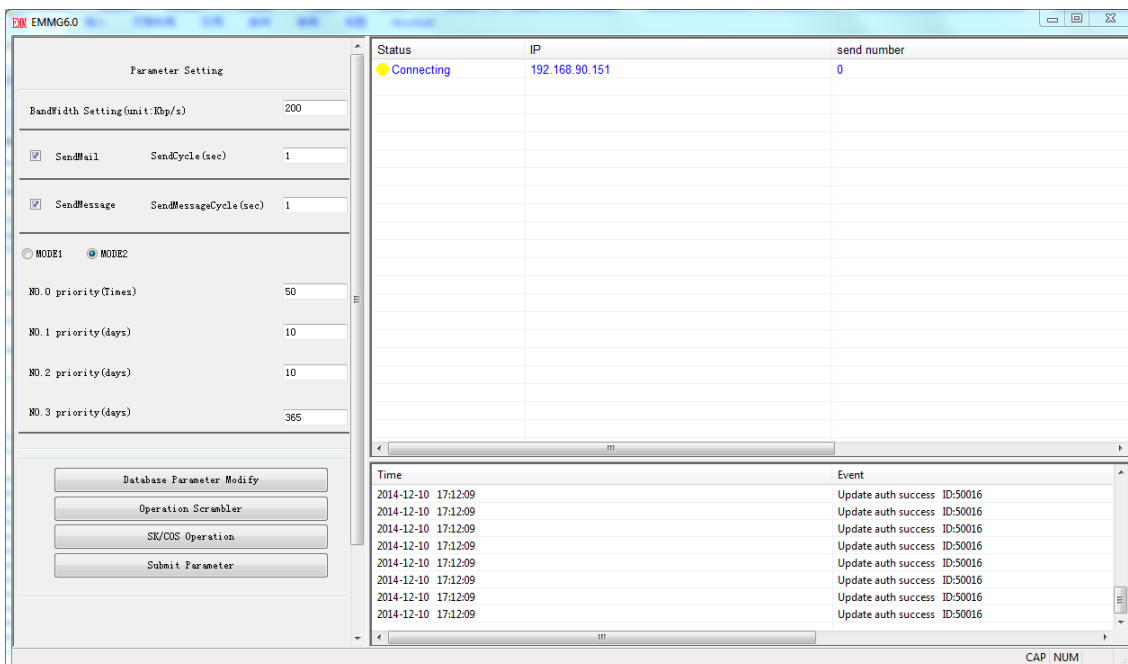
- Click “Operation Scrambler”



- Enter scrambler IP and EMMG port.



➤ Interface after adding scrambler:



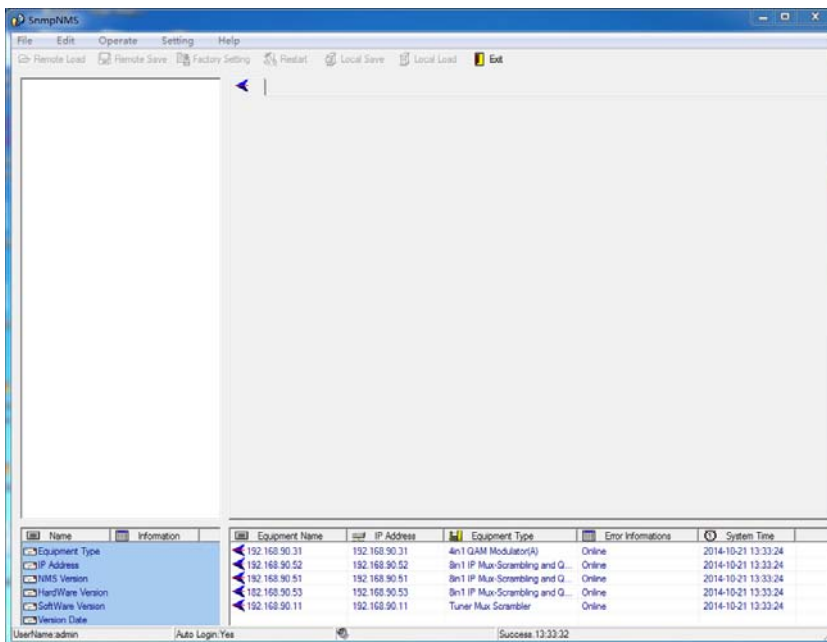
Configure and Scramble programs with DEXIN NDS3343A-10

➤ Open SnmpNMS network management software.

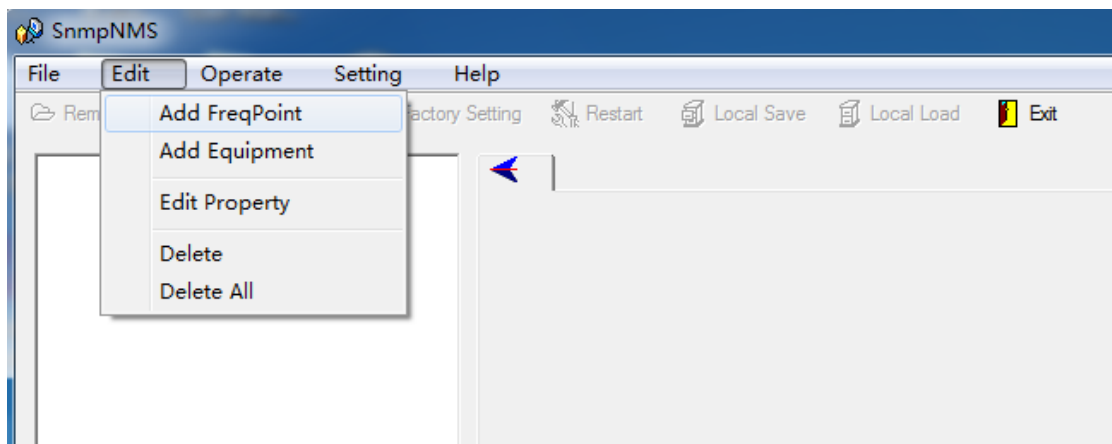
Web SMS User Manual

Name	Date modified	Type	Size
Language	2014/7/23 16:52	File folder	
tables	2014/7/23 16:52	File folder	
ATSCEditor.dll	2011/5/13 15:03	Application extens...	104 KB
CRC32_DES3.dll	2011/1/28 16:06	Application extens...	20 KB
DescriptorDecoder.dll	2011/1/28 16:06	Application extens...	36 KB
device_type.ini	2014/5/14 9:02	Configuration sett...	2 KB
EditorSet.dll	2011/5/13 15:03	Application extens...	23 KB
GPData.dll	2012/12/4 10:59	Application extens...	308 KB
GPEdit.dll	2012/12/4 10:59	Application extens...	105 KB
libDataStruct.dll	2012/7/11 10:01	Application extens...	68 KB
libDesData.dll	2012/7/11 10:20	Application extens...	196 KB
libDlgSet.dll	2012/7/11 10:20	Application extens...	30 KB
libSDB.dll	2012/7/11 10:25	Application extens...	92 KB
MFC71.dll	2011/1/28 16:06	Application extens...	1,036 KB
mfc71d.dll	2011/1/28 16:06	Application extens...	2,128 KB
msvc71.dll	2011/1/28 16:06	Application extens...	488 KB
msvcr71.dll	2011/1/28 16:06	Application extens...	340 KB
PSIEditor.dll	2014/5/5 18:33	Application extens...	288 KB
PSIPEditor.dll	2012/12/4 10:59	Application extens...	84 KB
setting.ini	2014/10/17 11:10	Configuration sett...	1 KB
SNMP_PP_BootCounter	2014/10/17 11:10	File	1 KB
SnmNMS.exe	2014/6/26 10:43	Application	9,193 KB
snmpnms.mdb	2014/10/17 11:10	MDB File	912 KB

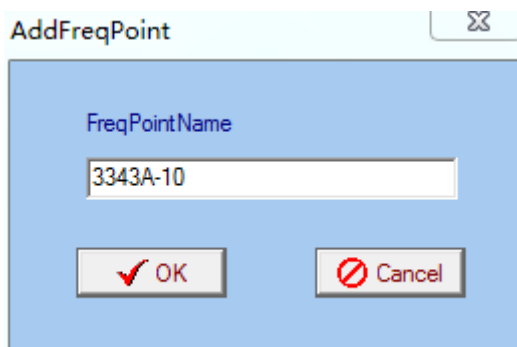
- Double click “SnmNMS.exe”.



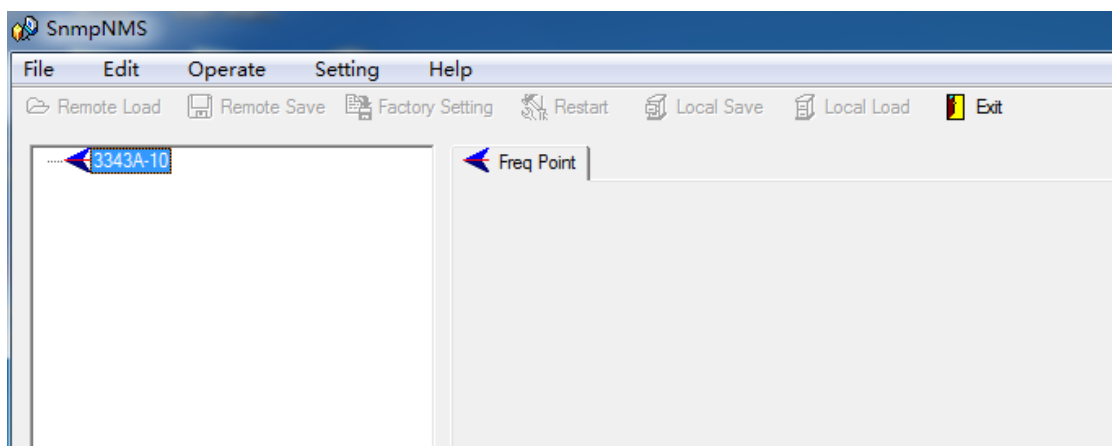
- Click “Edit” – “Add FreqPoint”, or right click on the left blank area and then select “Add FreqPoint”.



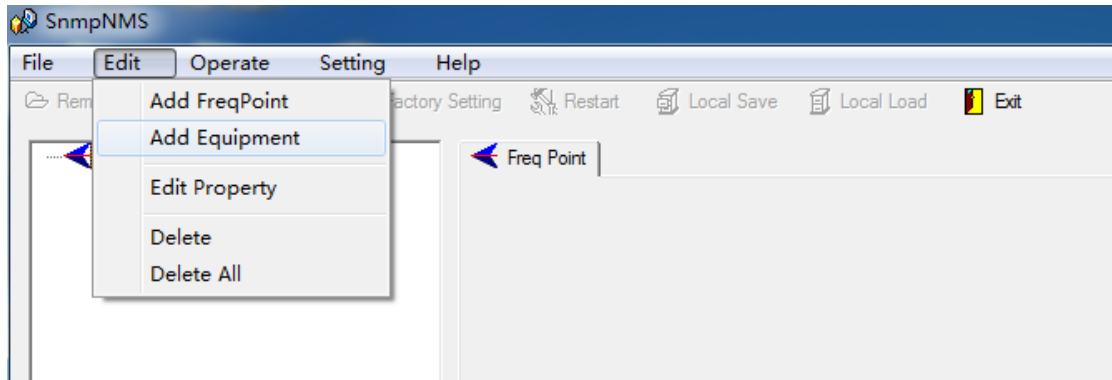
- Enter a device type like “3343A-10” or anything you can figure out.




- Click “OK”



- Select the freq point “3343A-10”, click “Edit” – “Add Equipment” or right click to add equipment.




- ✧ Enter scrambler IP: 192.168.90.31 (ensure the IP address be in accordance with the scrambler's network IP)
- ✧ Modify the port number as needed.
- ✧ Equipment name: for easy management, it can be the IP address like "192.168.90.31".
- ✧ Equipment Type: Click  button to auto search. It will search out the right type if the IP address is correct.

Add Equipment

IP Address: 192.168.90.31

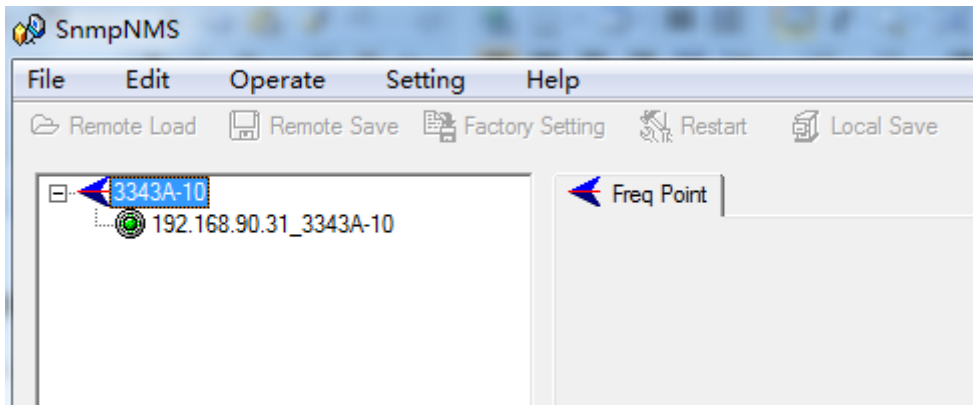
Port: 2007

Equipment Name: 192.168.90.31_3343A-10

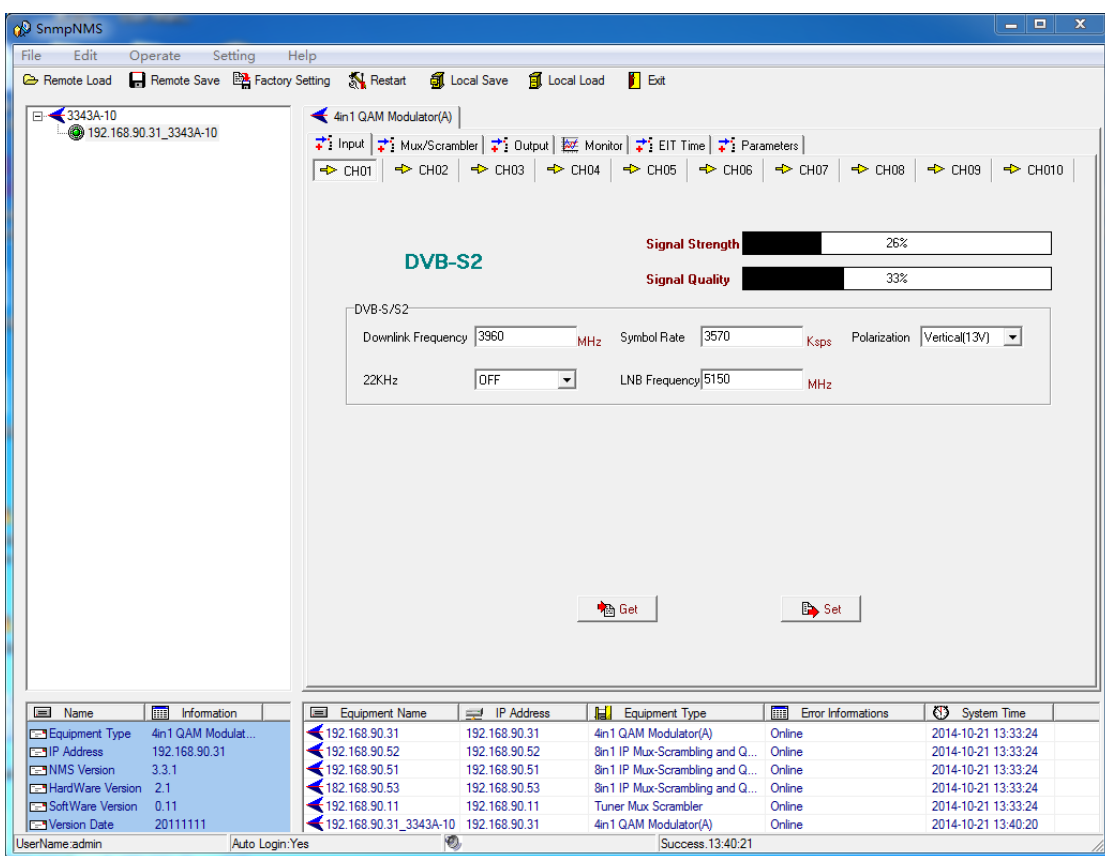
Equipment Type: 4in1 QAM Modulator(A) 

OK Cancel

- Click "OK" to exit the login box and get back to the operation interface as below. If the scrambler is properly connected, the indicator is green, which otherwise is red.

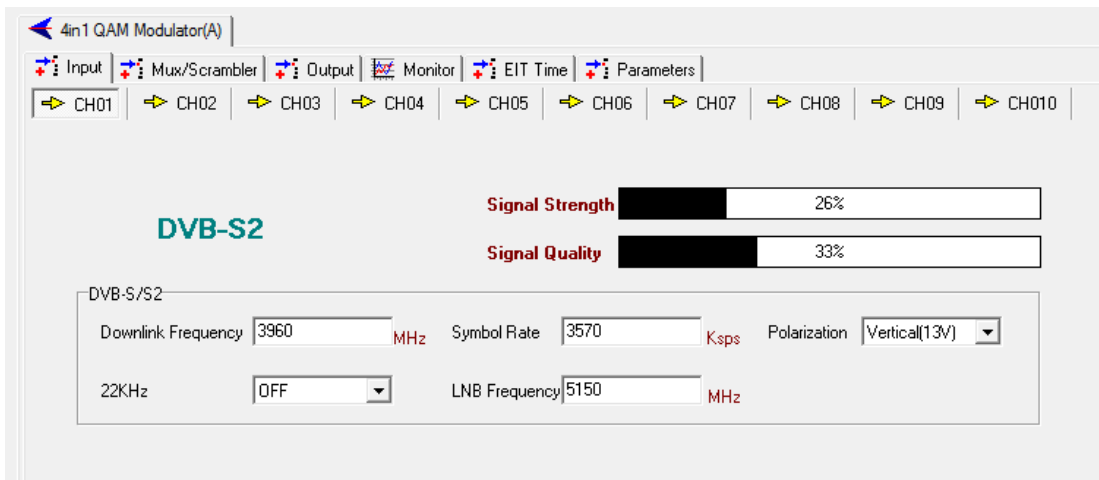


- Select the equipment added.

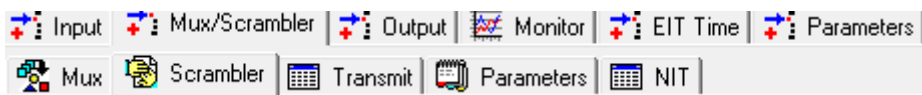


**NDS3343A-10 is equipped with 6 Tuner channels and 4 ASI channels input.*

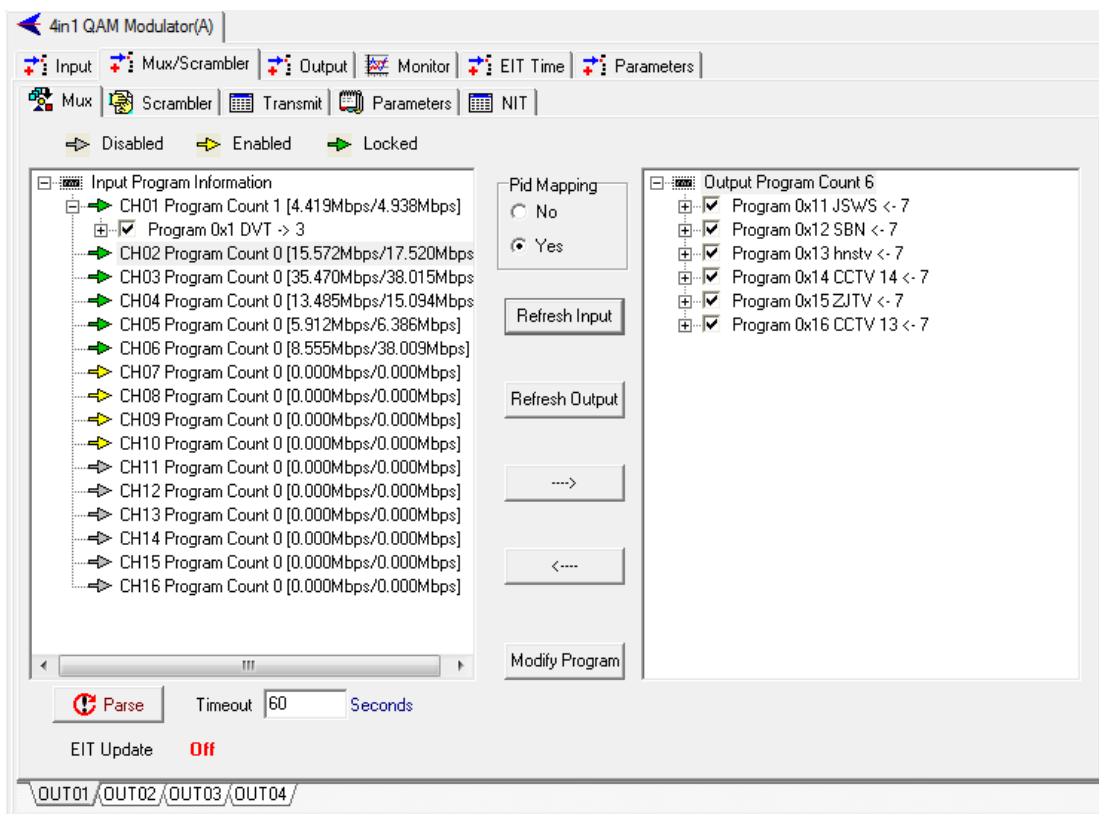
- Enter correct satellite parameters in the boxes and click “Set” to receive satellite signals. It displays a value in the ‘signal strength’ and ‘signal quality’ bars if the signals are properly received.



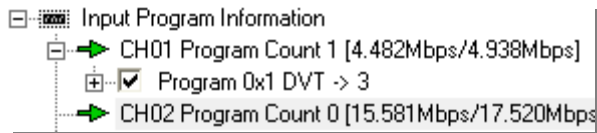
- After completing the Tuner input parameters, click .



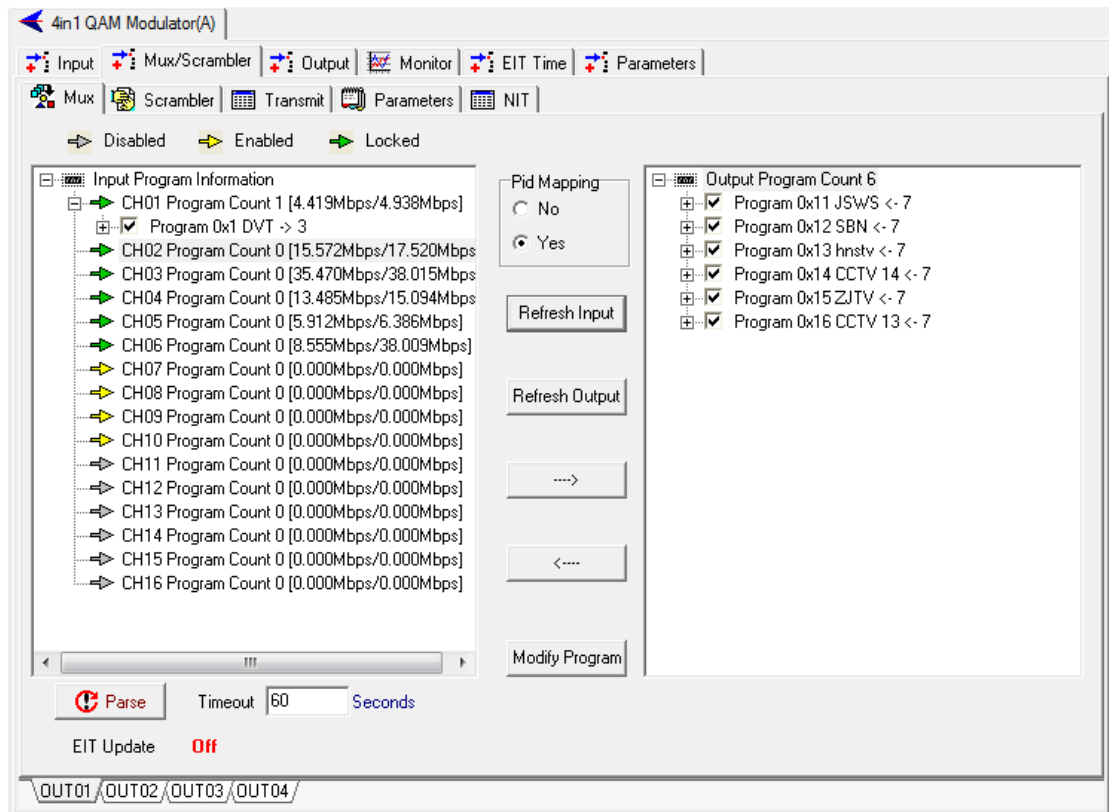
- Click “MUX” to multiplex programs.




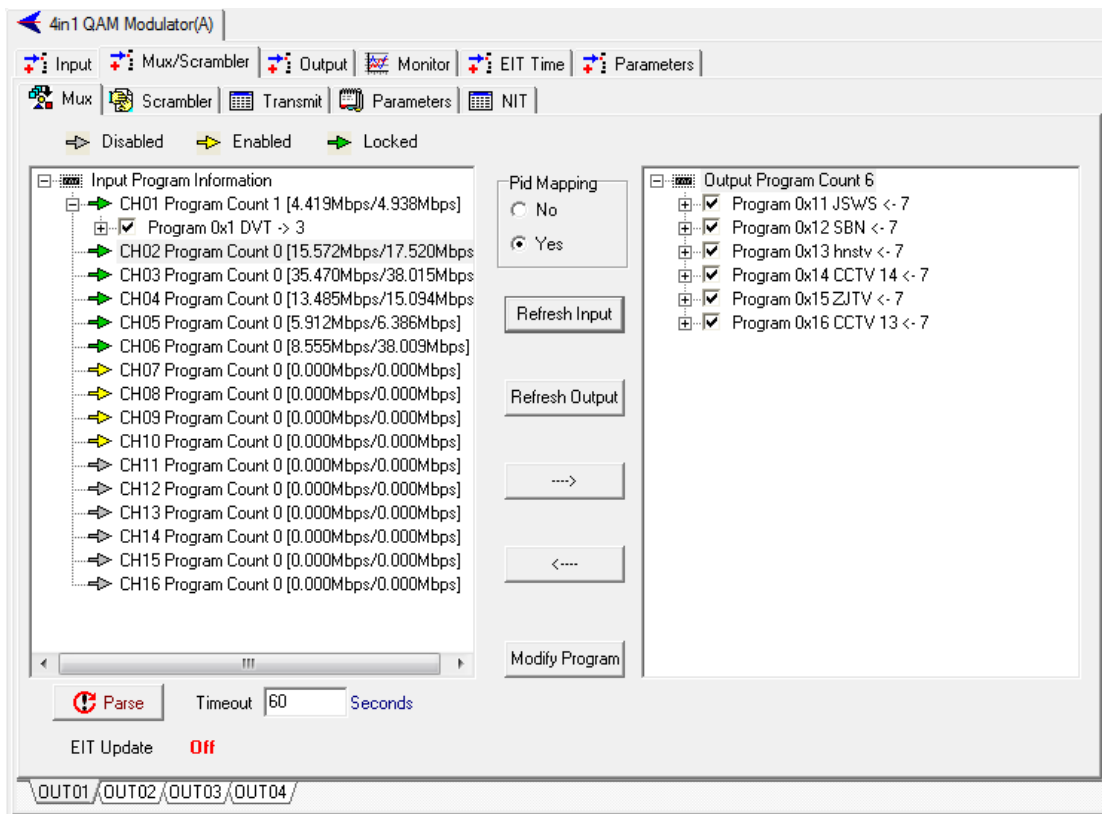
- Select one channel (e.g. : CH01) and click “Parse” to obtain the program list under the corresponding channel.



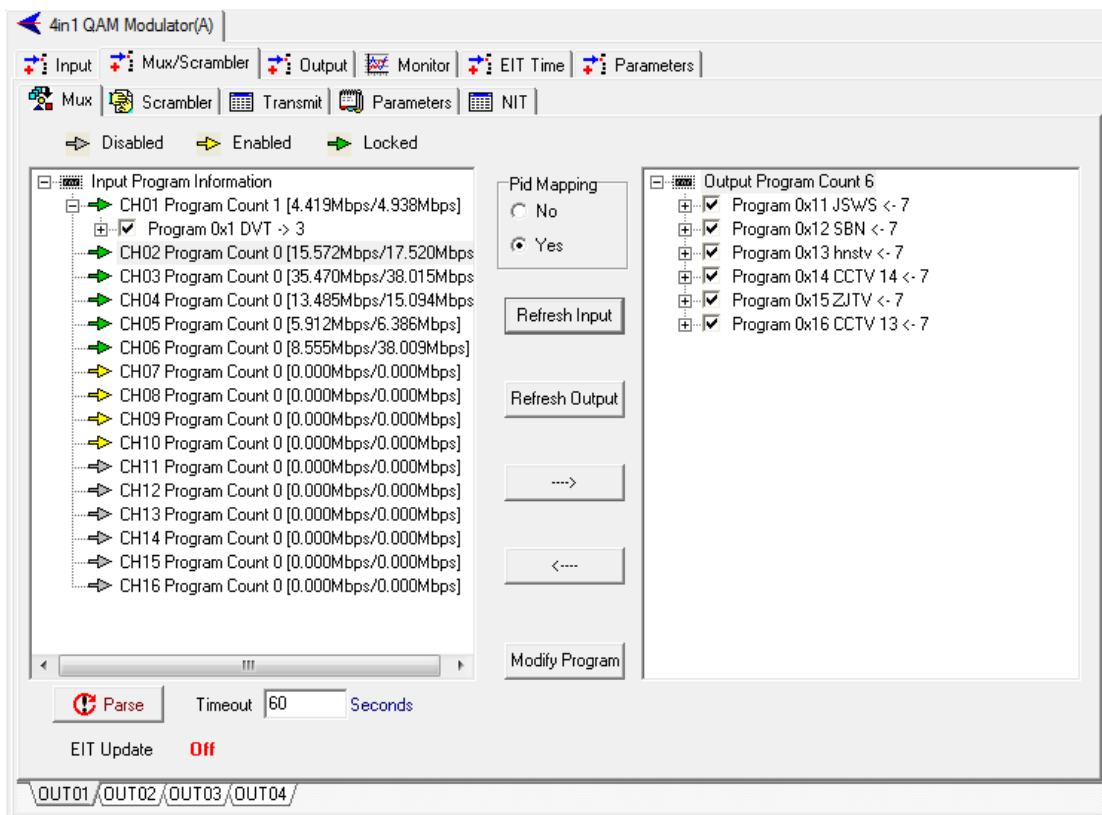
**NDS3343A-10 has 4 output channels, i.e.: 4 output frequencies. Users need point one output channel firstly.*



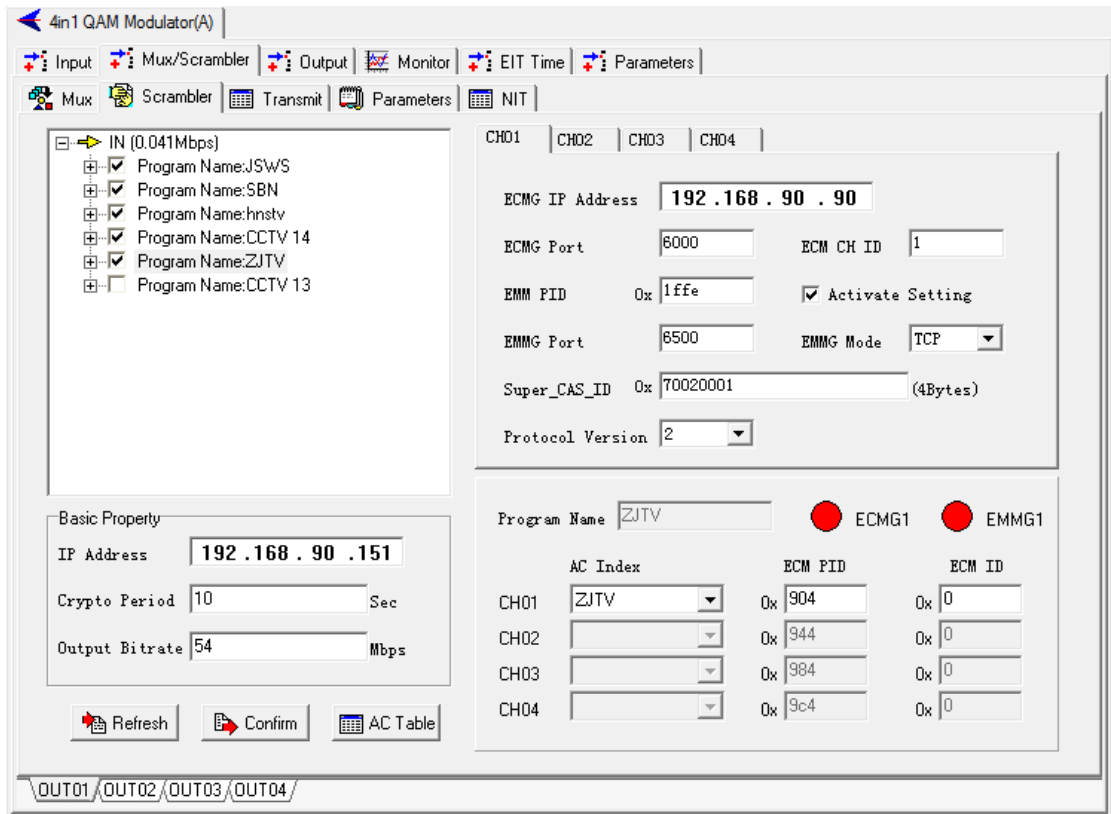
- Select one target program and click  to multiplex the program out.



➤ Multiplex the programs needing to output.



➤ Click “Scrambler” to enter the interface where to scramble programs.



*There are 4 scrambling channels (CH01-CH04) allowing process 4 different CAS systems.



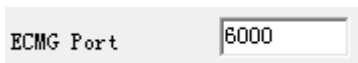
- Select CH01 and activate the setting by checking the box under corresponding channel as shown below.

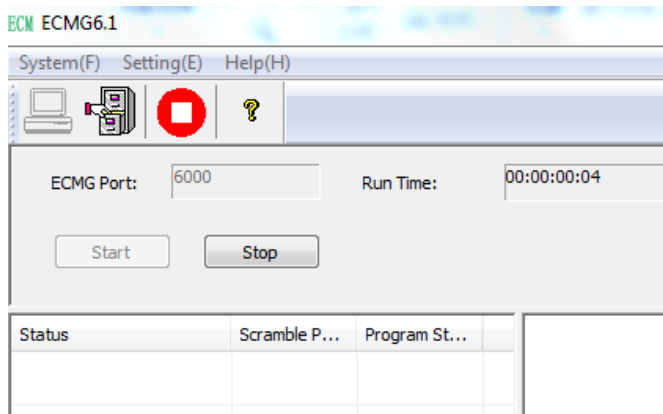


- Enter server IP in below ECMG IP box.

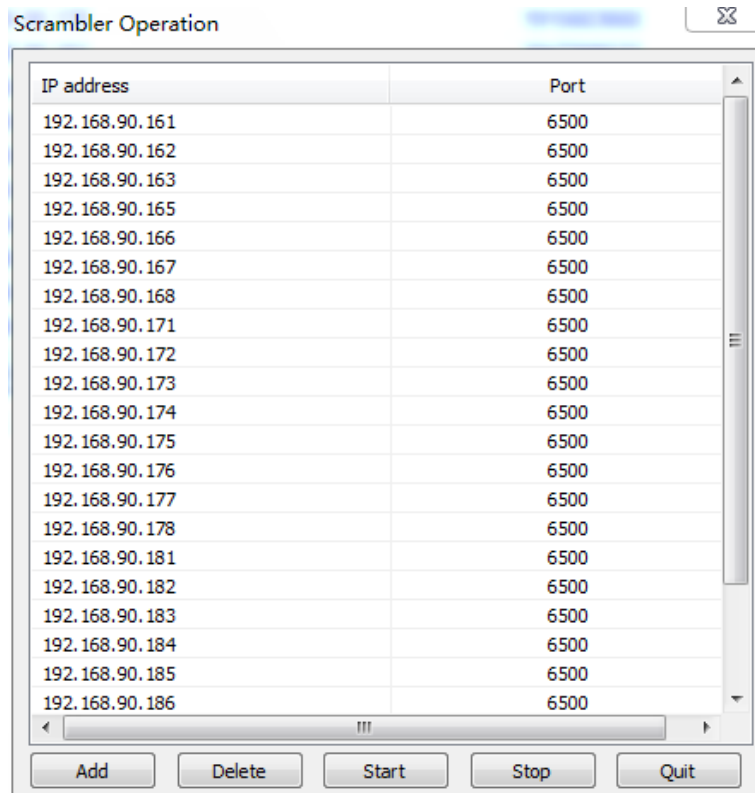
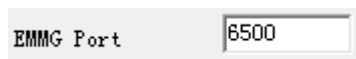


- Enter ECMG port in accordance with ECMG software' s port.

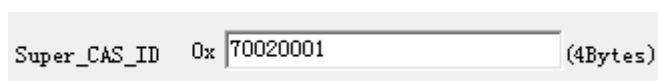




- Enter EMMG port number in accordance with that of scrambler added in the EMMG.



- Enter CAS ID. Different CAS supplier has different CAS IDs. CAS5 ID is “0x70020001” .



- Configure scrambler IP address.

Basic Property

IP Address

Crypto Period Sec

Output Bitrate Mbps

**It is not the same IP with device IP and Server IP.*

- Select program(s) to be scrambled:

IN (0.027Mbps)

- Program Name:JSWS
- Program Name:SBN
- Program Name:hnstv
- Program Name:CCTV 14
- Program Name:ZJTV
- Program Name:CCTV 13

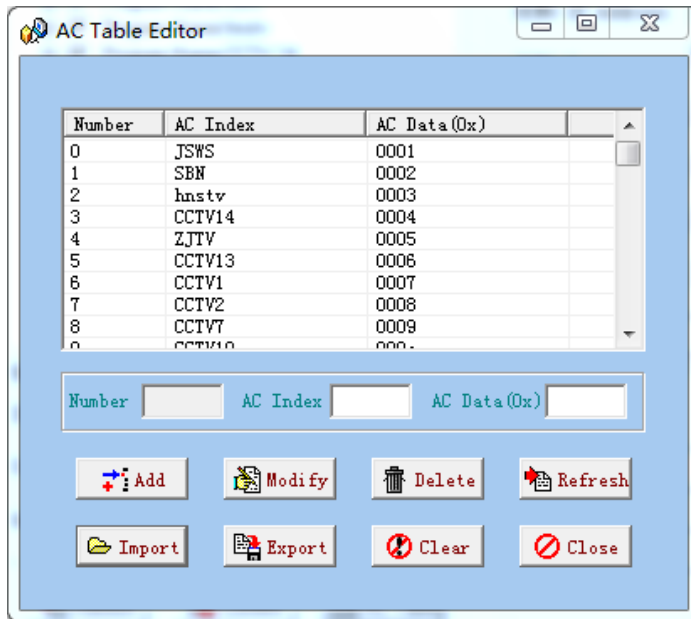
- Click “AC Table” .

AC Table Editor

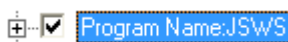
Number	AC Index	AC Data(0x)
0	JSWS	0001
1	SBN	0002
2	hnstv	0003
3	CCTV14	0004
4	ZJTV	0005
5	CCTV13	0006
6	CCTV1	0007
7	CCTV2	0008
8	CCTV7	0009
9	CCTV10	000A

Number AC Index AC Data(0x)

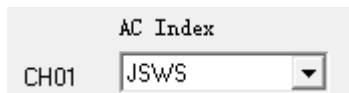
- Click “Import” to import “actab” exported from WebSMS program management.



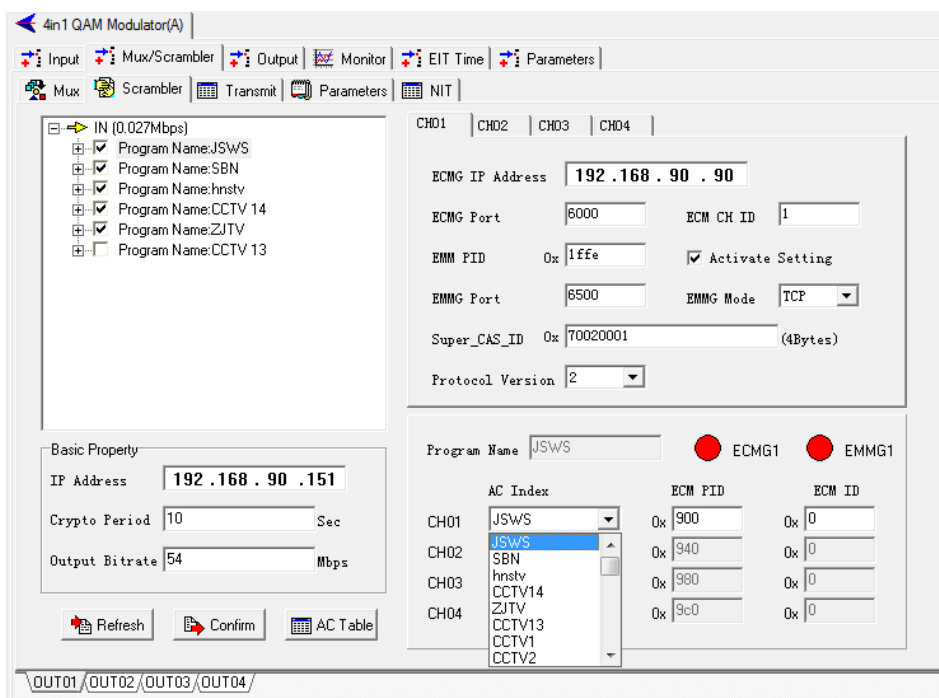
➤ Select programs:



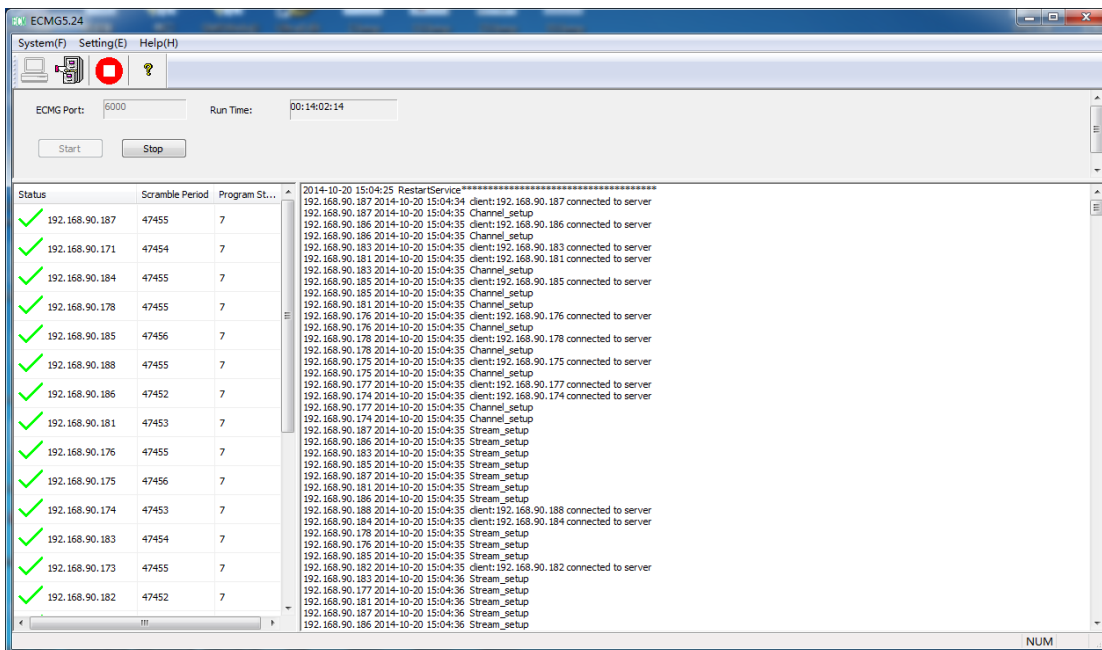
➤ Select the corresponding AC index:



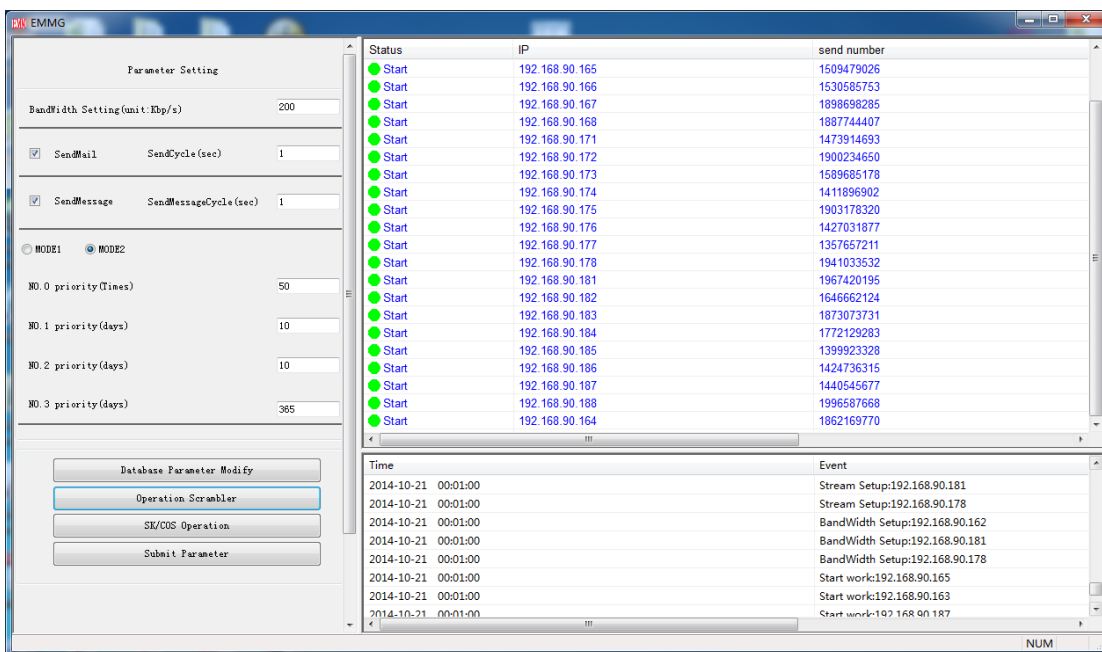
➤ After selecting AC index for all the programs, click “Submit” and then “Remote Save” to complete the scrambling settings of output channel 01.



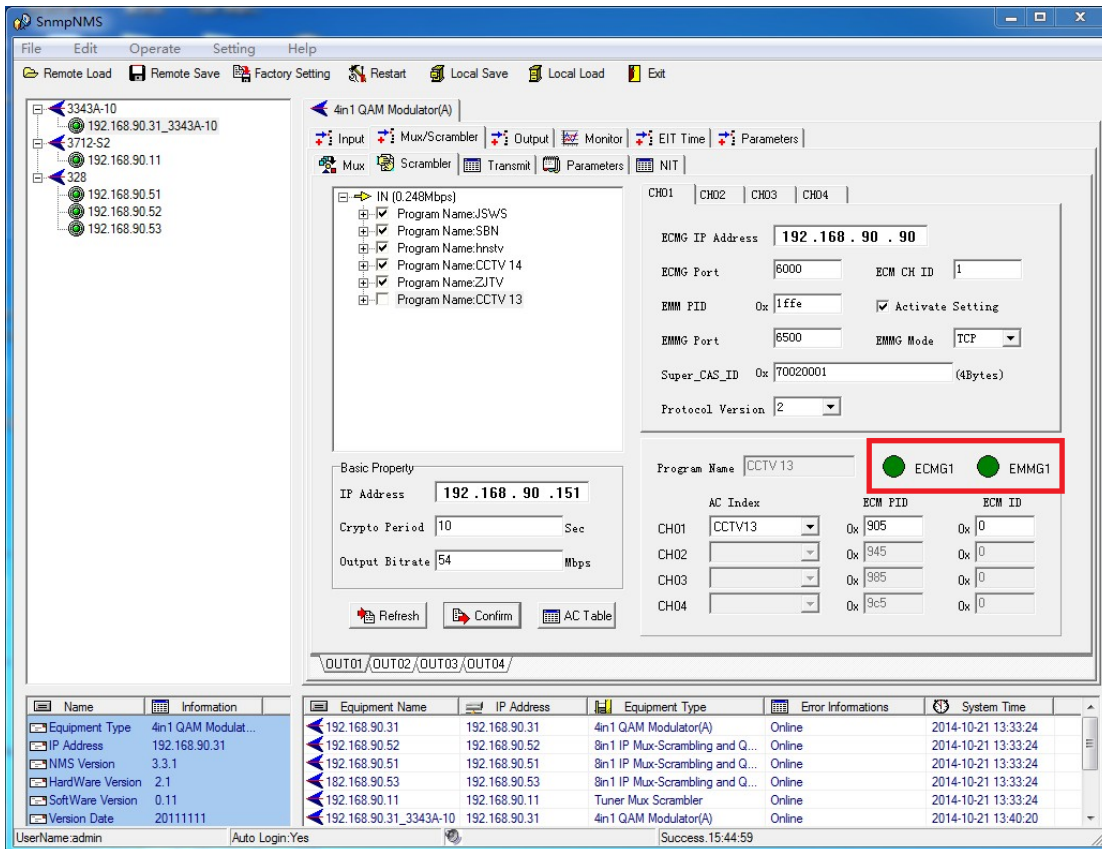
➤ ECMG after successfully scrambling



➤ EMMG after successfully scrambling



In the NMS management interface, the indicators of ECMG and EMMG show green after successfully scrambling.

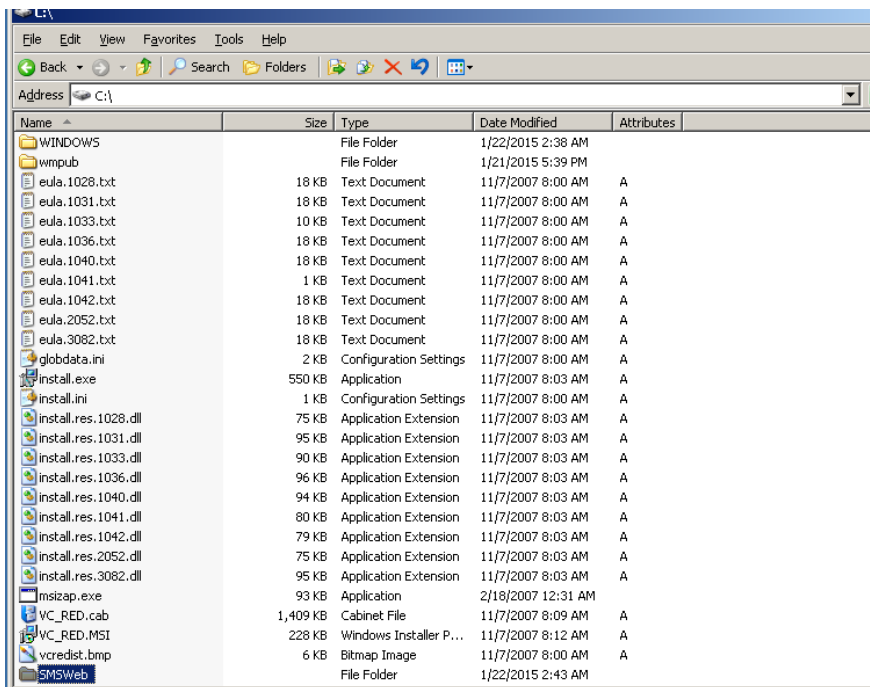


Configure WebSMS after Completing Windows 2003 Installation and IIS installation

Website Creation

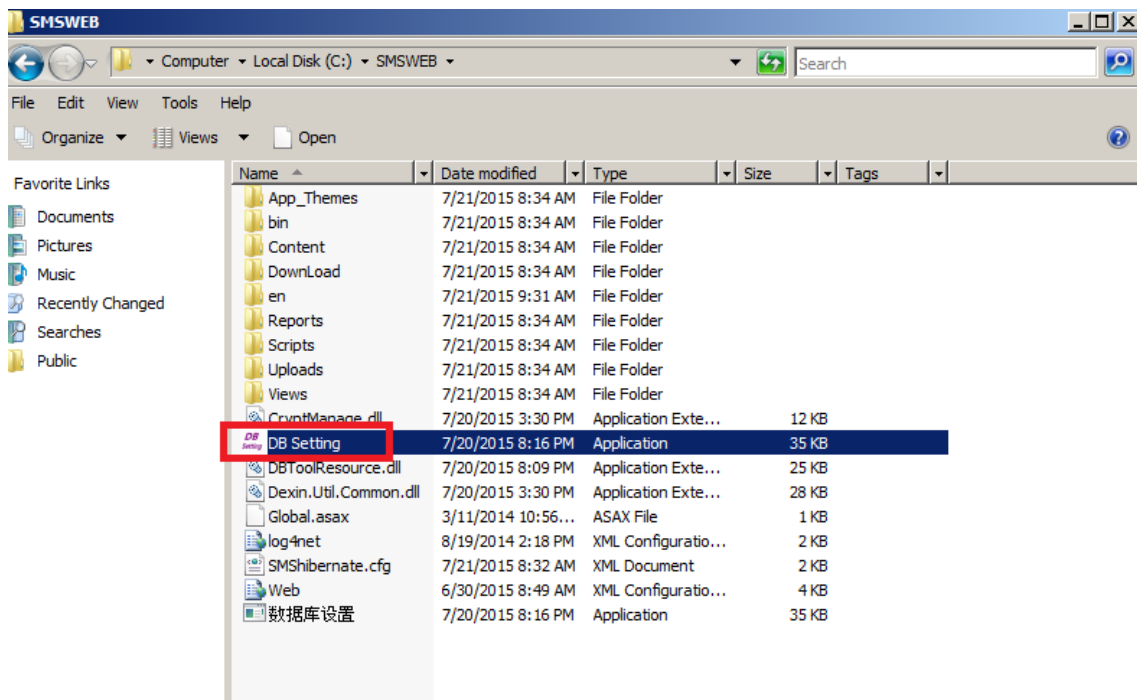
Copy the “SMSWeb” folder to the disk of Windows 2003

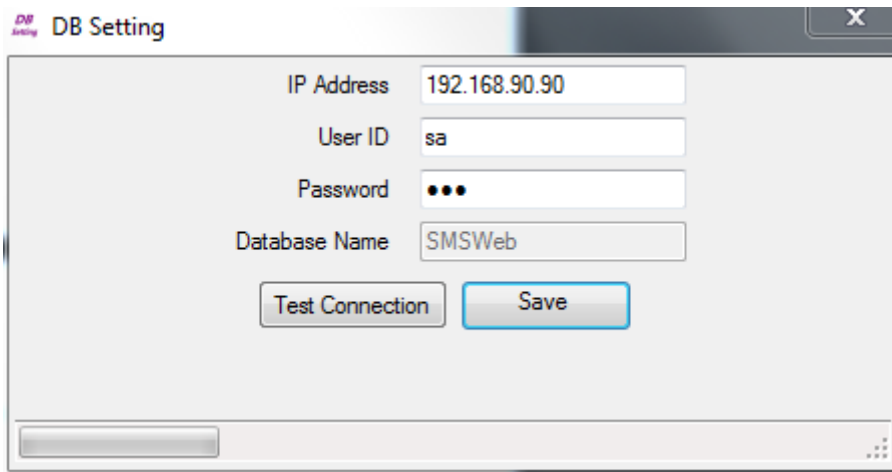
Name	Date modified	Type	Size
MicroDog_Driver_4.0.16.3	1/27/2015 13:56	File folder	
SMS Web DB Tool1.0.12.27	12/30/2014 09:21	File folder	
SMSWeb	12/30/2014 09:22	File folder	
AspNetMVC3Setup.exe	8/19/2011 17:29	Application	21,451 KB



Database Setting

Open the folder "SMSWeb" that you deployed web site, and open the file "DB Setting".



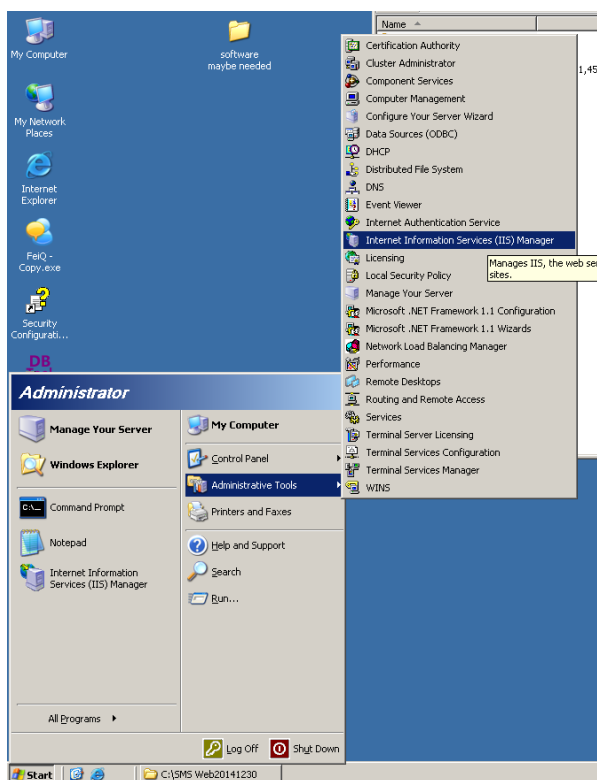


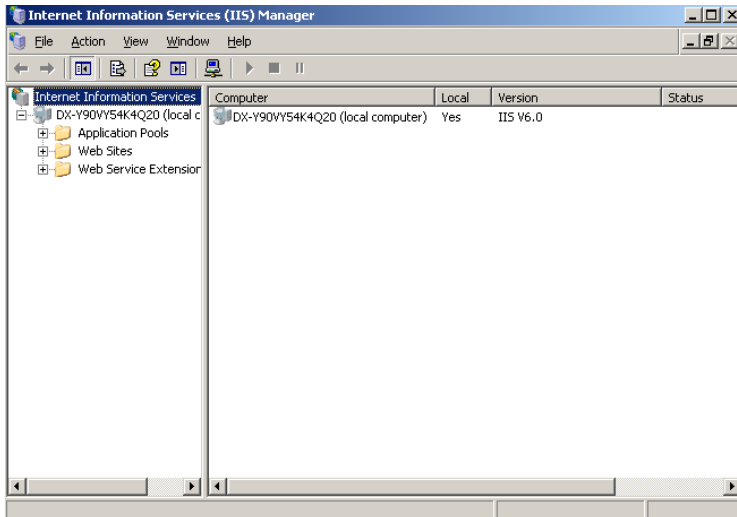
Type the IP Address , User ID, Password of SQL Server, and then save configuration.

**if the web site and SQL Server are on the same server, you can type the IP 127.0.0.1;if not, type the real IP Address of SQL Server.*

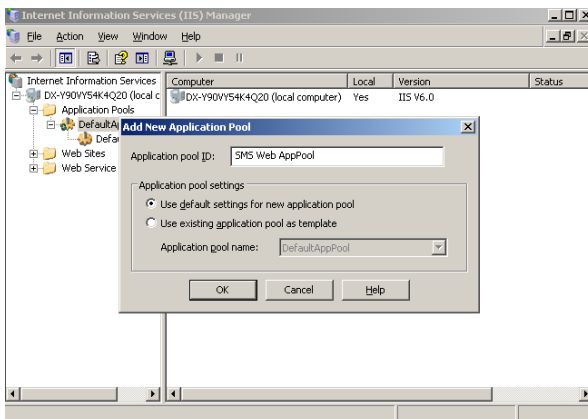
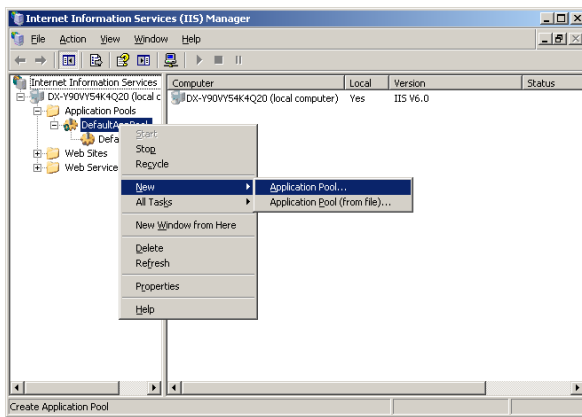
Open IIS Manager

Click Control Panel-->All Control Panel Items-->Administrative Tools

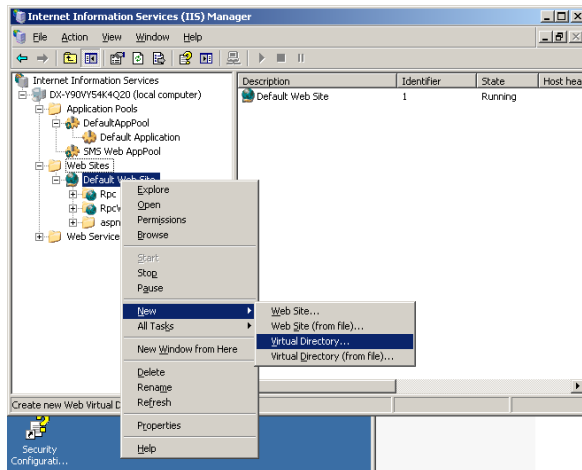




New Application Pool



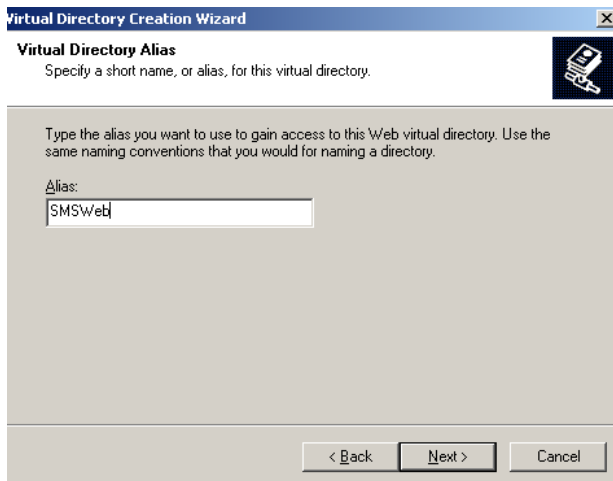
Add Application under Default Website



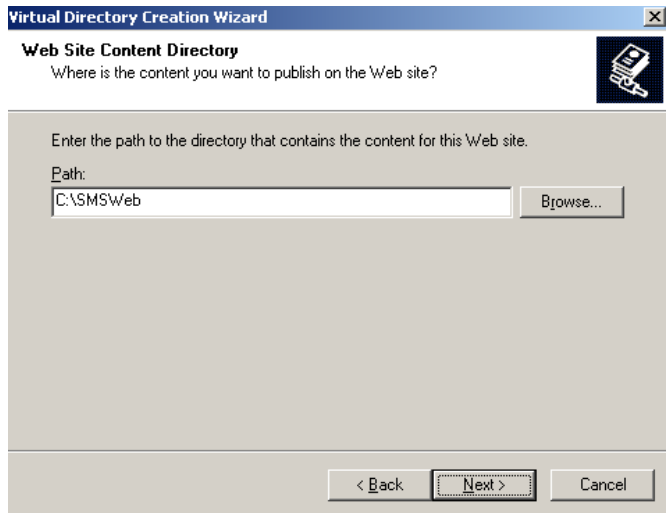
Enter Virtual Directory Creation Wizard



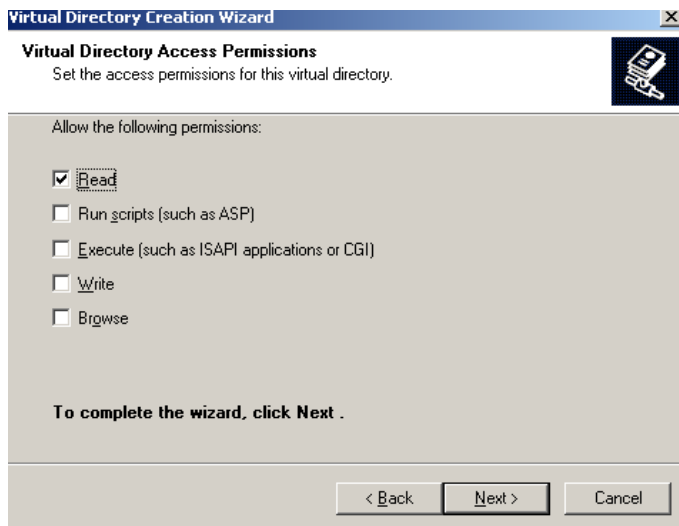
click "Next"



click Next



Browse the folder copied and click "Next"



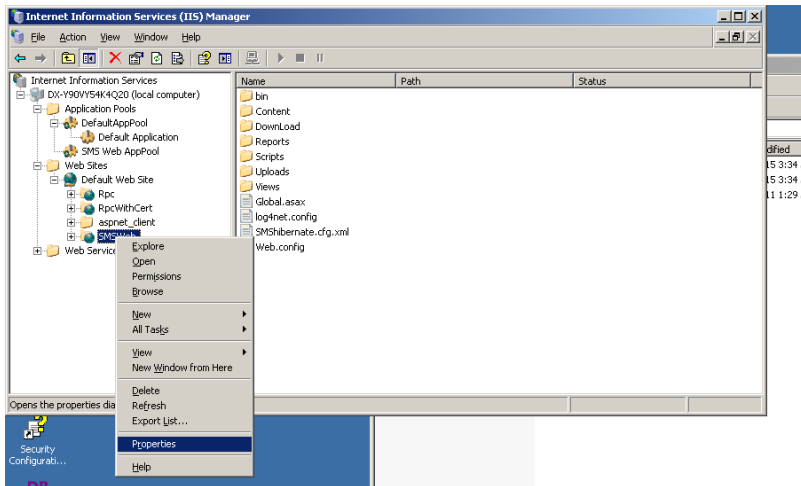
Click Next



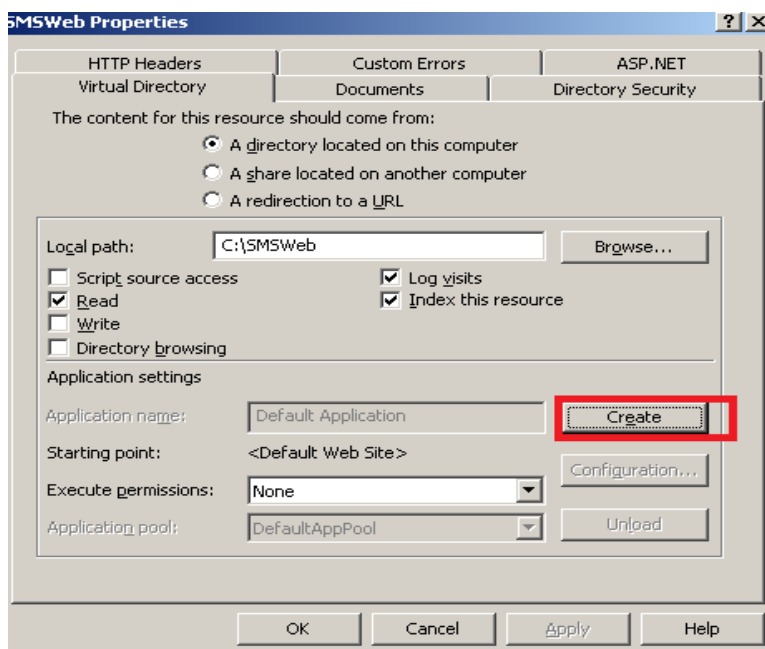
Click Finish.

Configuration

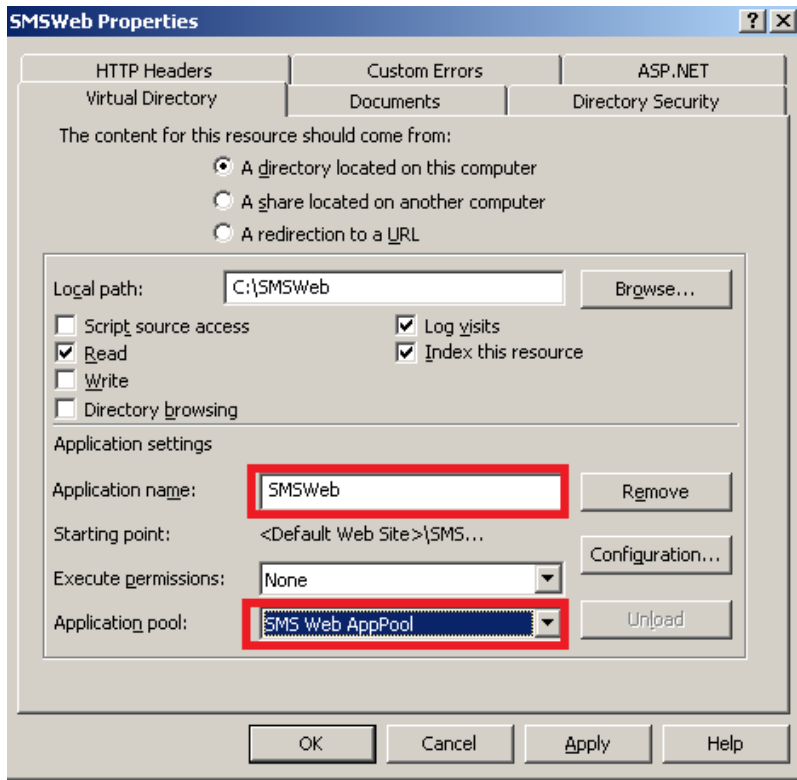
Right click Default Web Site->Properties



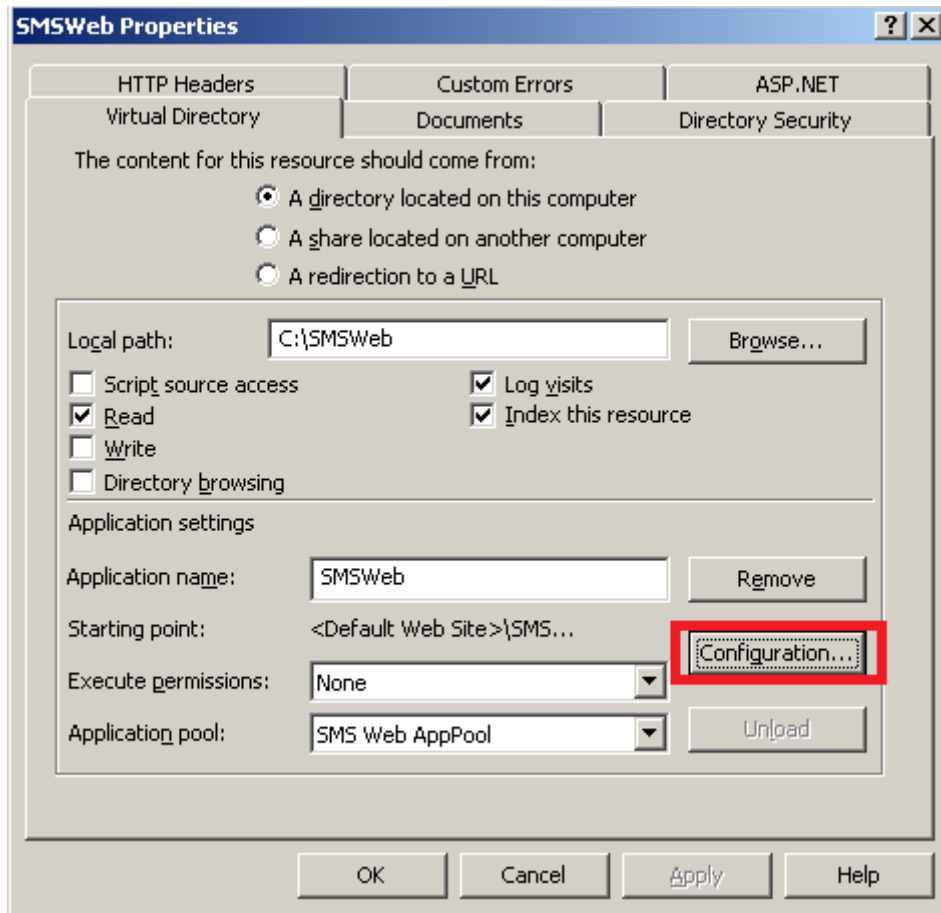
Click button "Create"



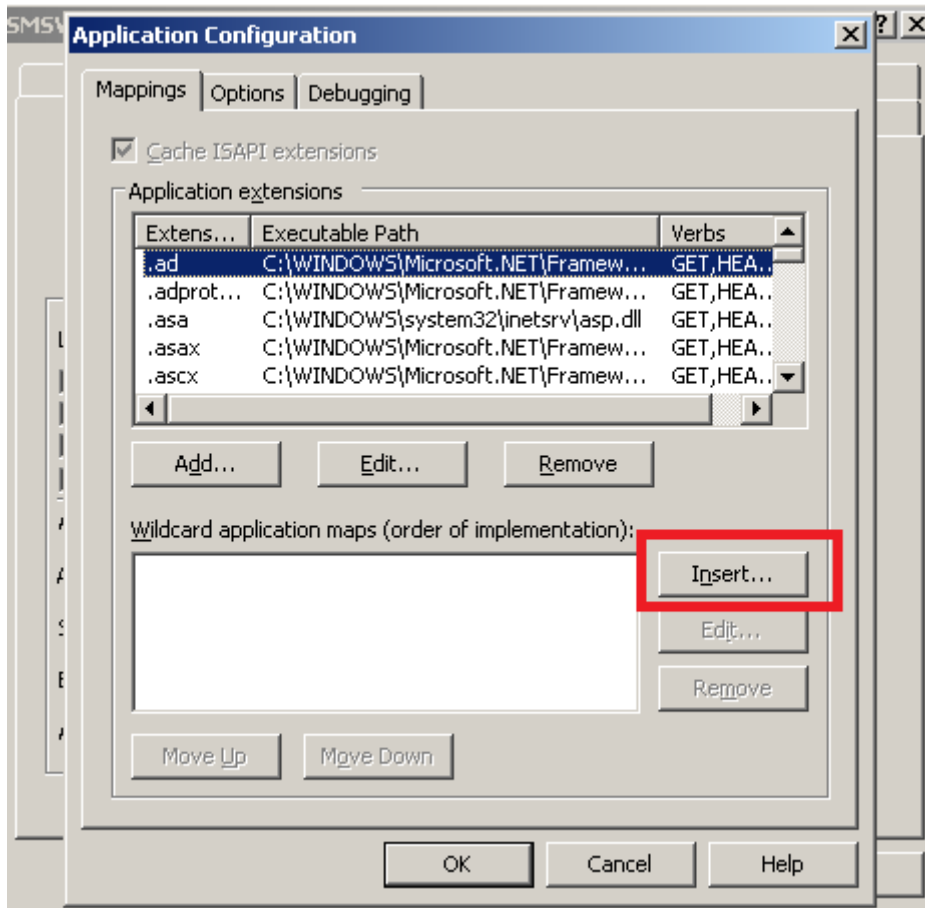
Choose Application pool named "SMS Web AppPool"



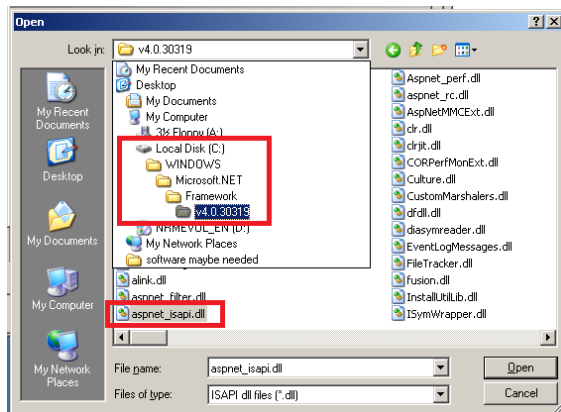
Click button "Configuration"



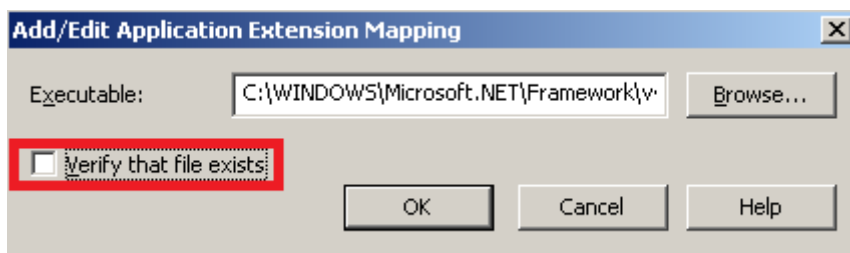
Click button "Insert..."

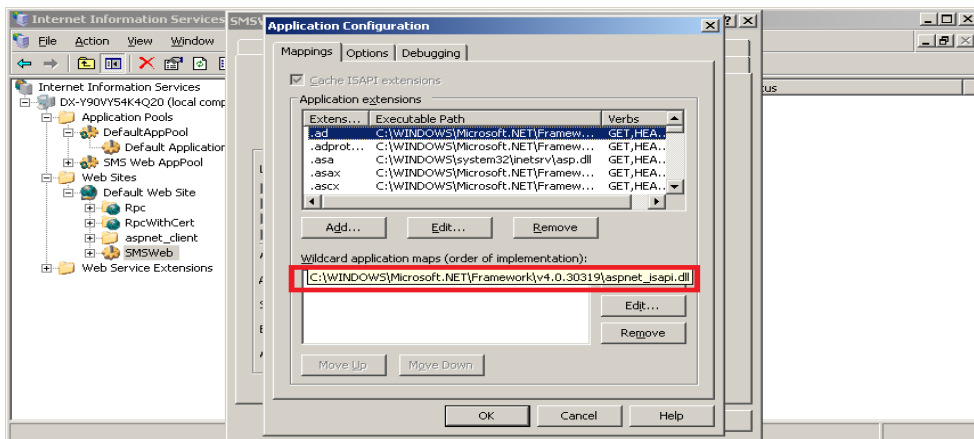


Find the file "aspnet_isapi.dll" in the directory
"C:\WINDOWS\Microsoft.NET\Framework\v4.0.30319"

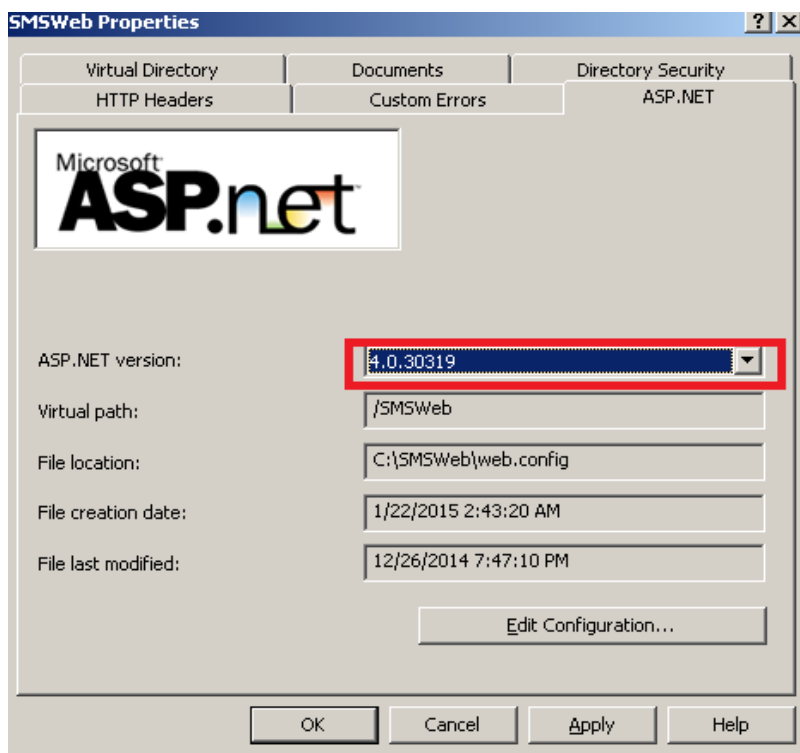


Do Not check "Verify that file exists", and click button "OK"





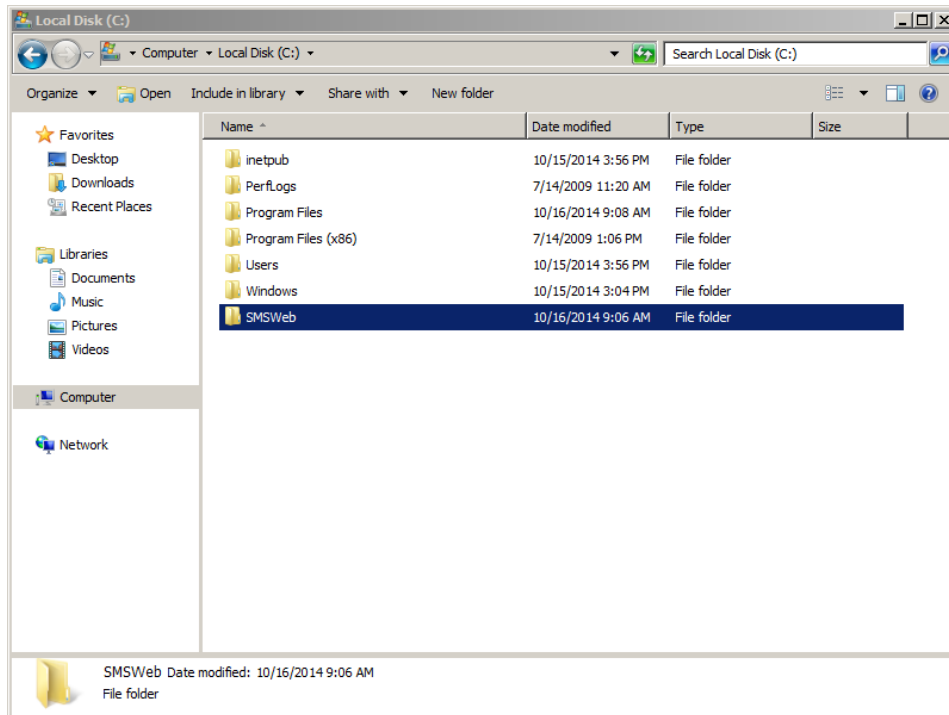
Switch to the tab ASP.NET, and choose ASP.NET version 4.0, and click button "OK" to complete.



Configure WebSMS after Completing Windows 2008 Installation and IIS installation

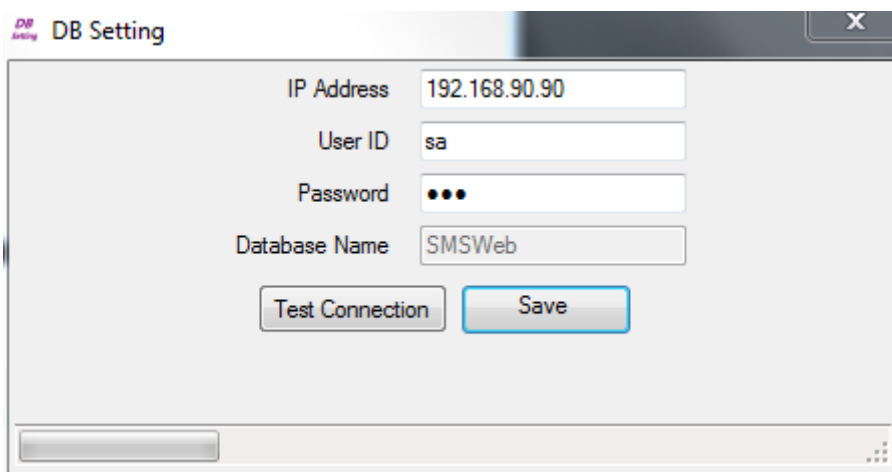
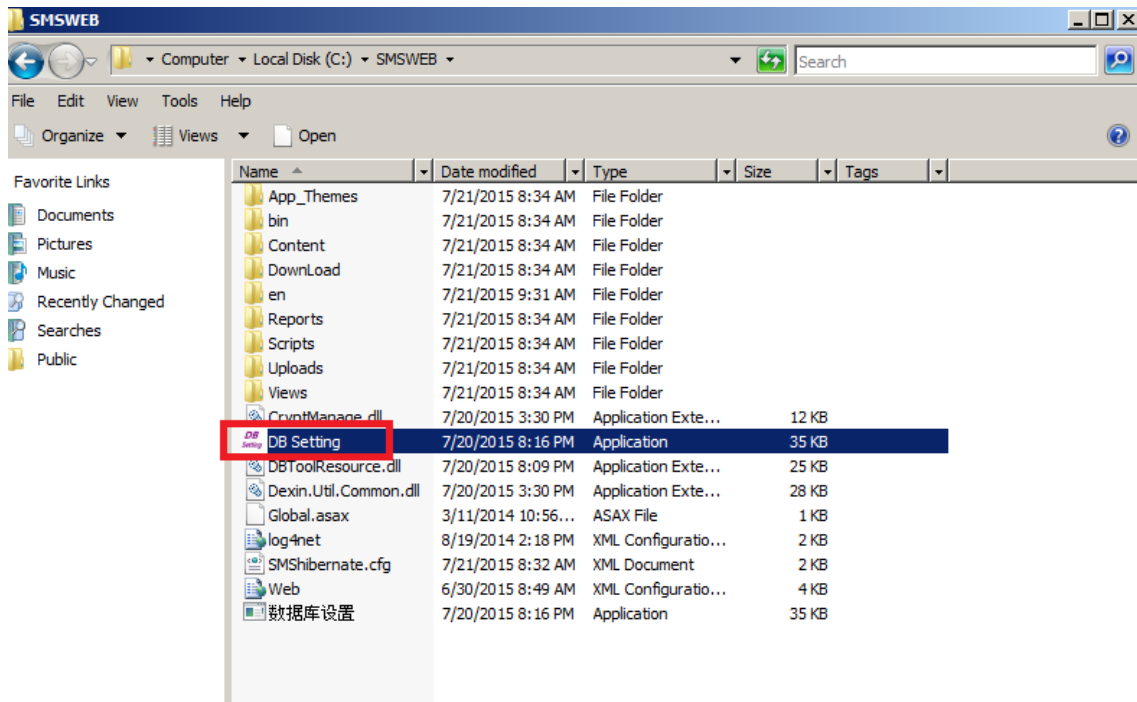
Website Creation

Copy the "SMSWeb" folder to the disk of Windows2008



Database Setting

Open the folder "SMSWeb" that you deployed web site, and open the file "DB Setting".



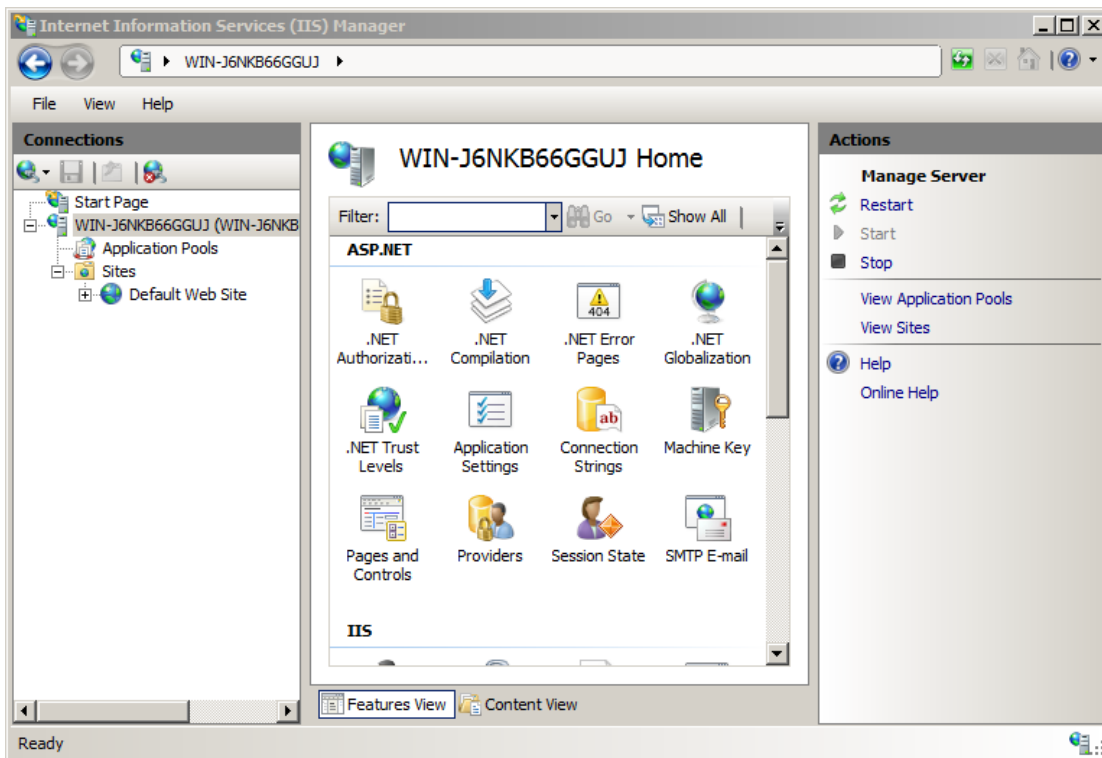
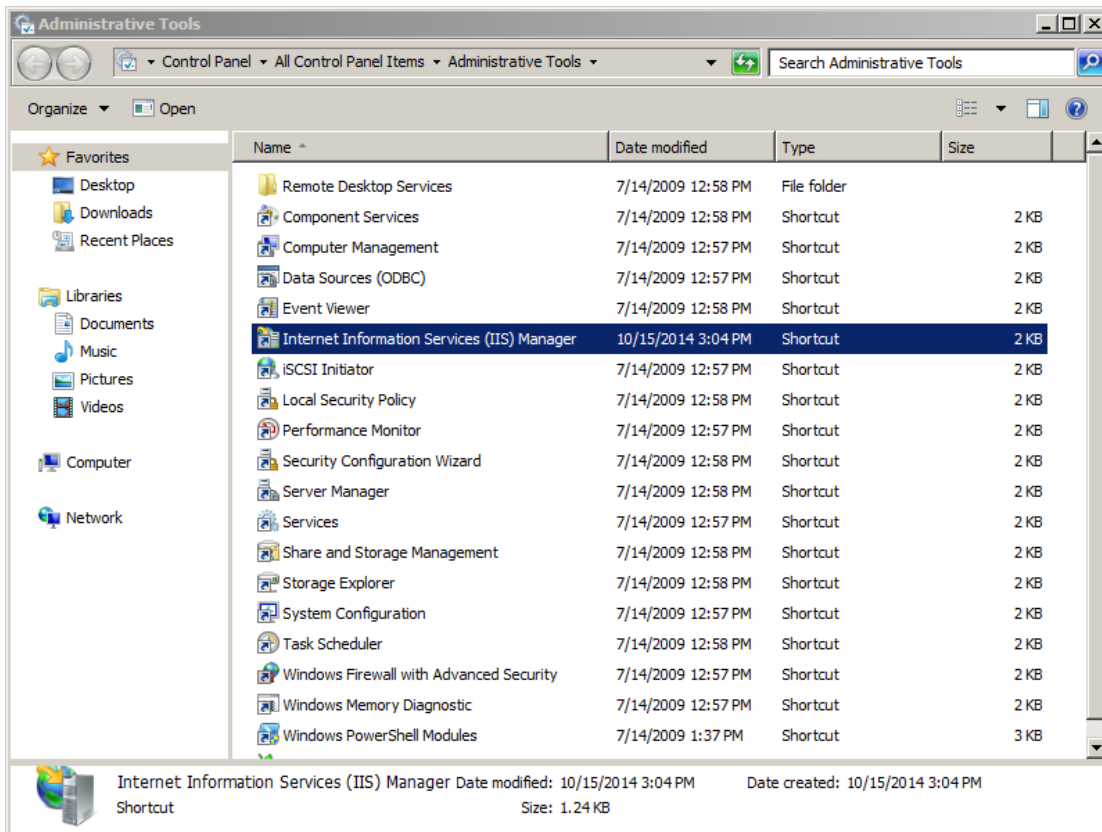
Type the IP Address , User ID, Password of SQL Server, and then save configuration.

**if the web site and SQL Server are on the same server, you can type the IP 127.0.0.1;if not, type the real IP Address of SQL Server.*

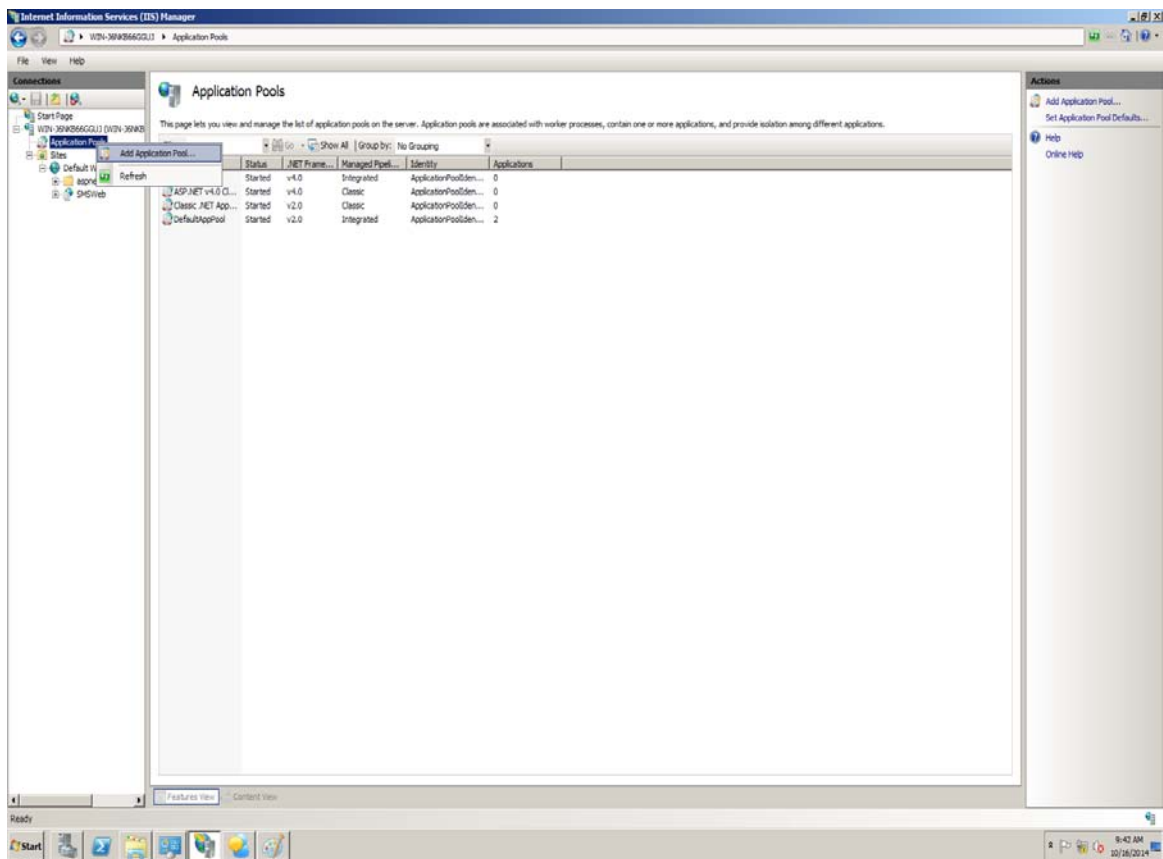
Open IIS Manager

Click Control Panel-->All Control Panel Items-->Administrative Tools

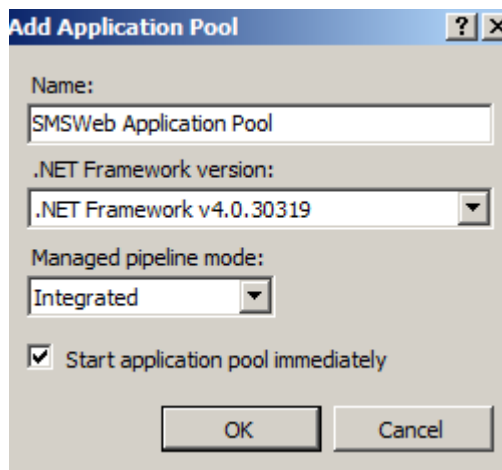
Web SMS User Manual



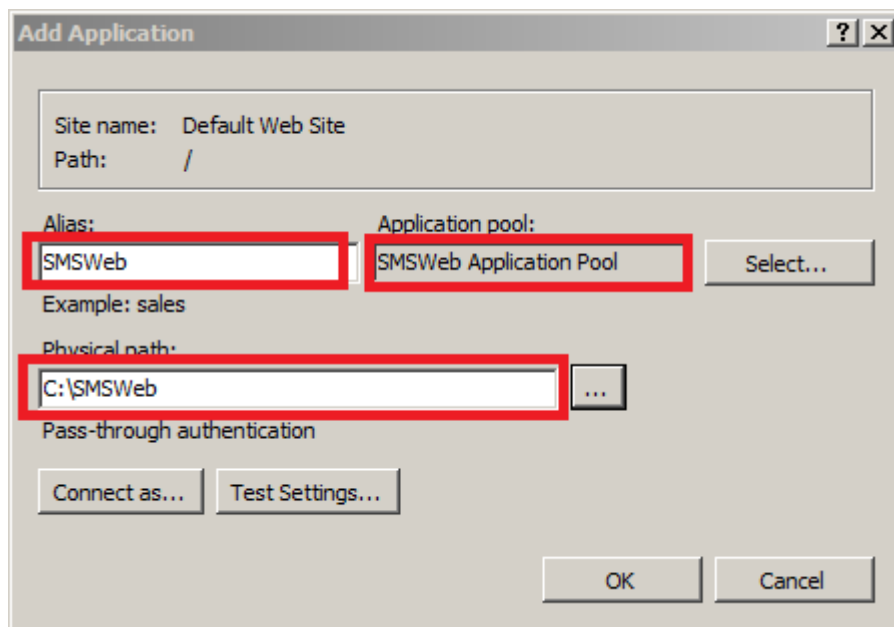
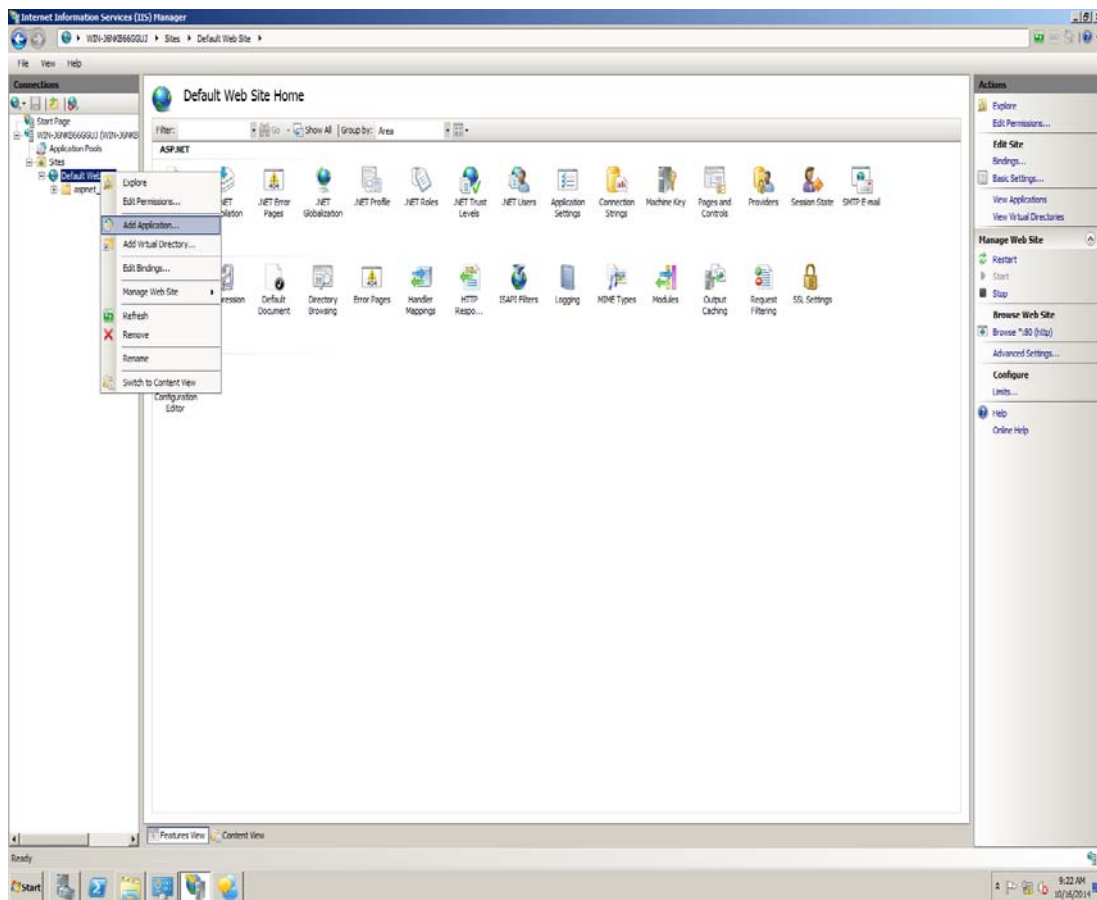
New Application Pool



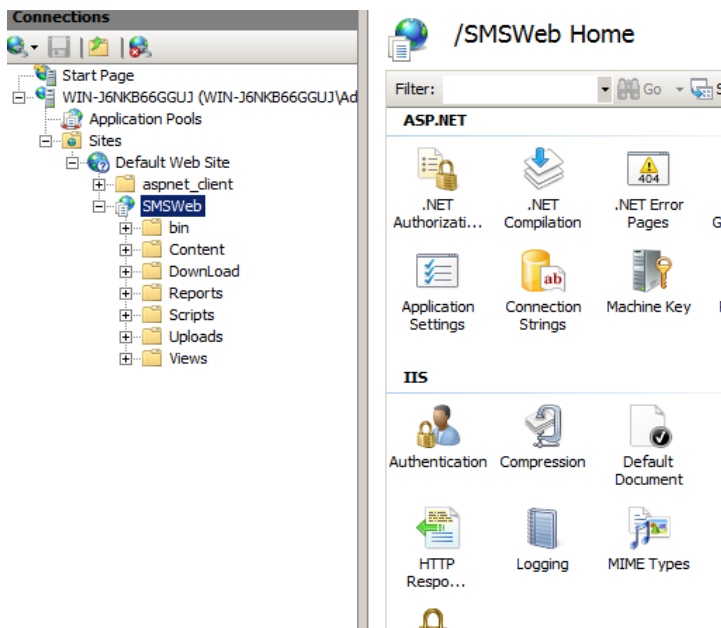
- Enter Application Pool Name like 'SMSWeb Application Pool', click 'OK'



Add Application under Default Website

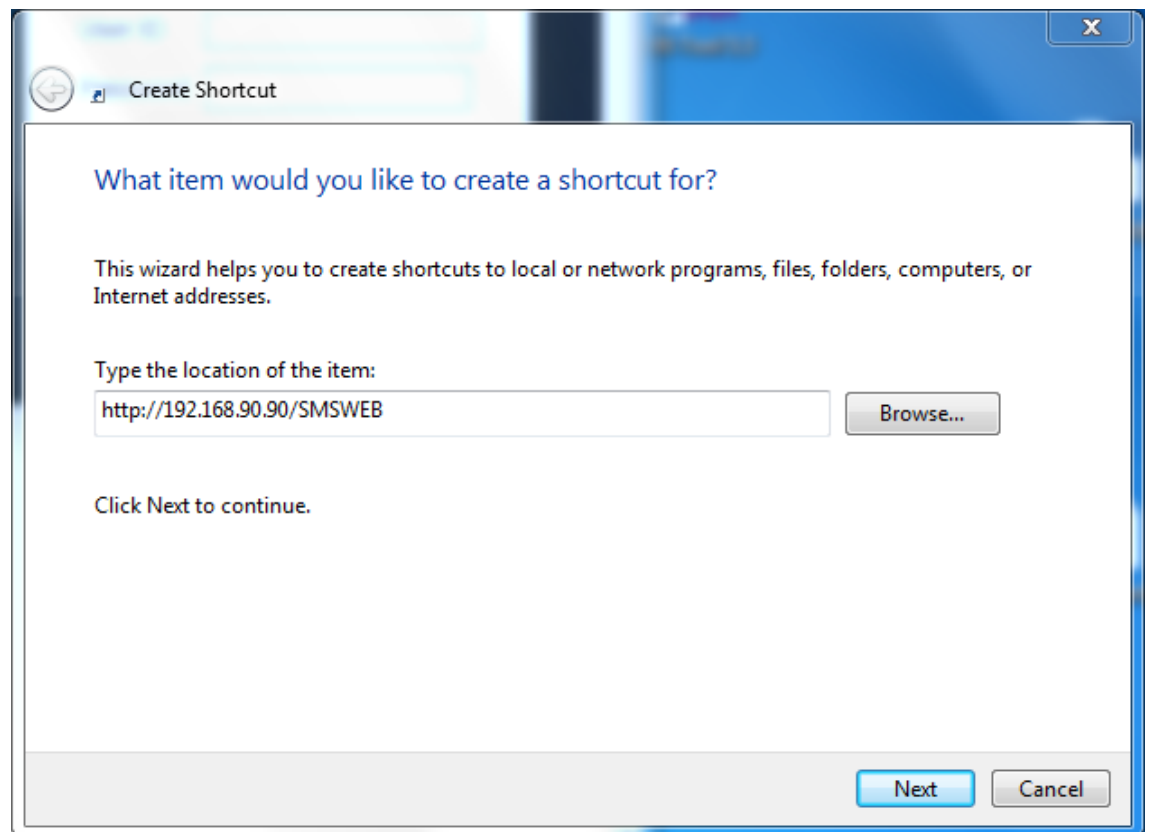


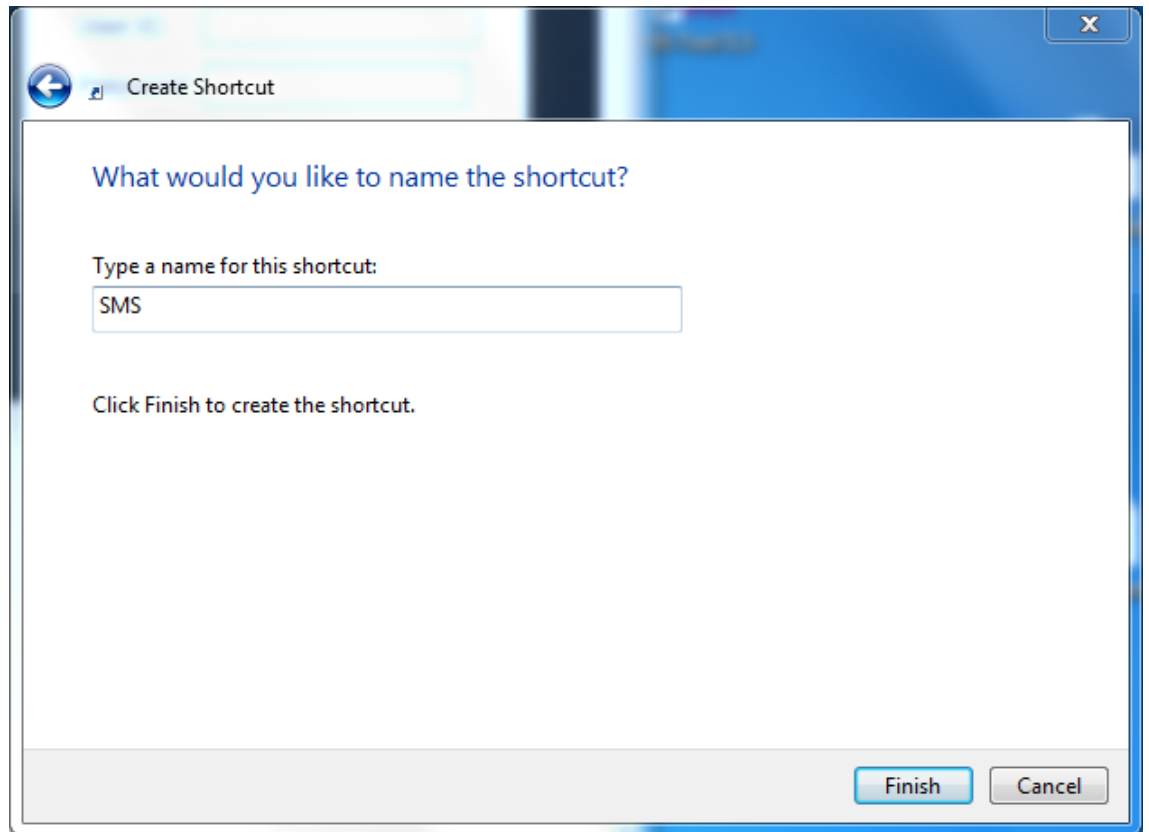
Name it “SMSWeb”, Select “SMSWeb Application Pool” created previously under Application Pool, and select “SMSWeb” as the Physical Path. Click “OK” at last to complete the “SMS Web website”.



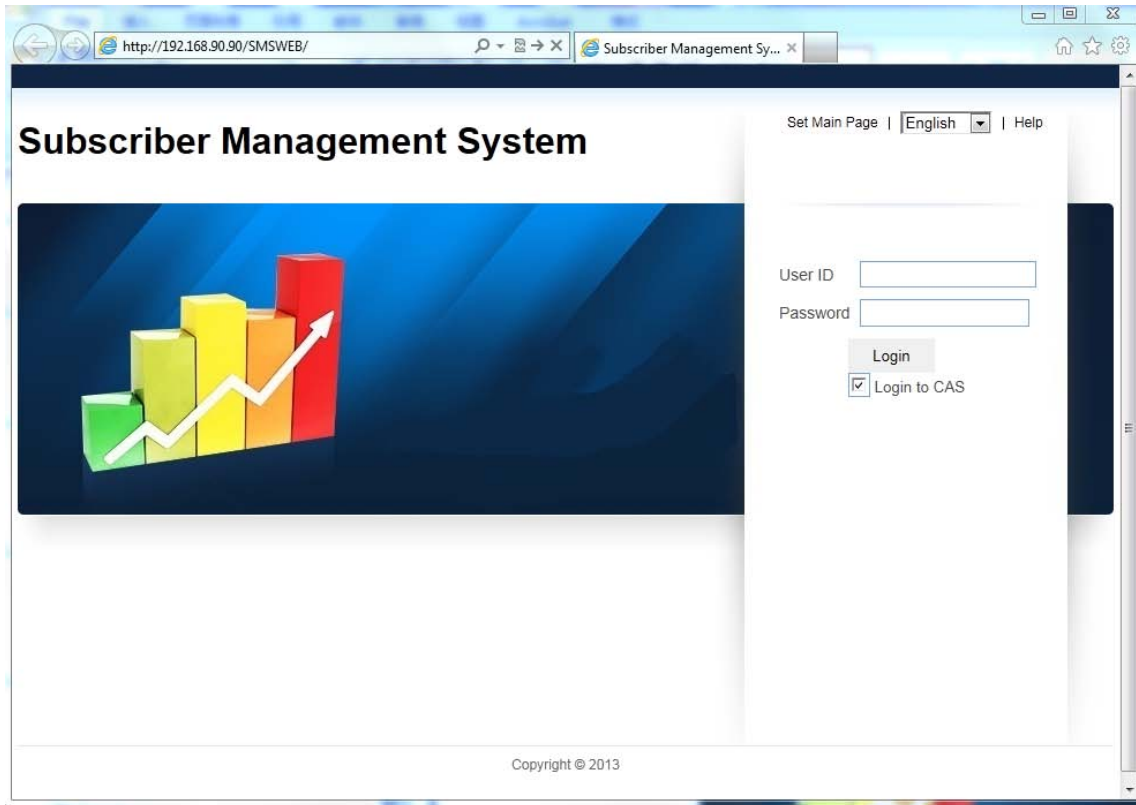
WebSMS Function Introduction

- Open IE8 browser, input 'http://IP address/SMSWeb'. ('IP address' here is the Server IP where SMS web site installed.) Click "Enter" key and the login interface pops out as below:
- Create a shortcut to open SMS as well





**Browsers like FireFox and Google are available. However, if you need print invoices, only IE 8 and above are available.*



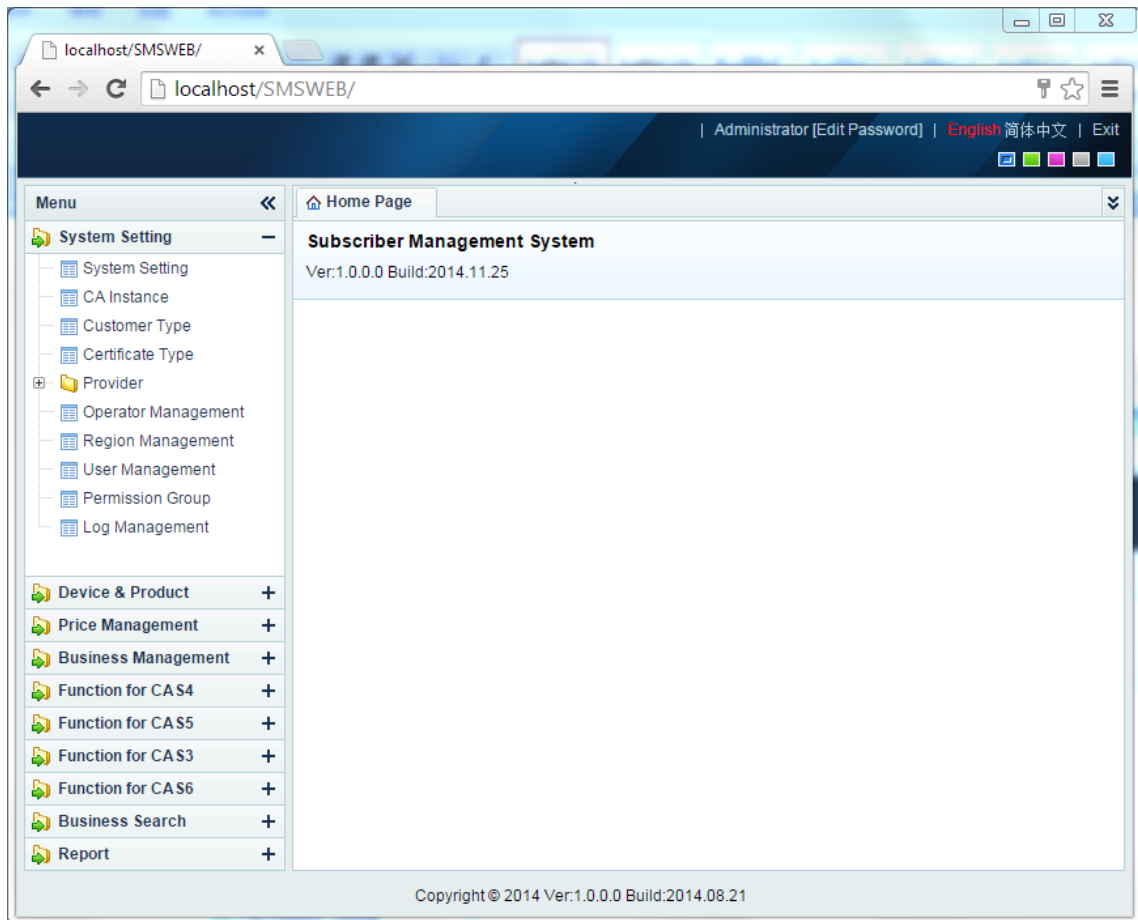
✧ User ID: The ID used for administrator/toll collector to log in WebSMS. The ID with highest rights is defaulted as “admin” .

✧ Password: The password used for administrator/toll collector to log in WebSMS. The default password for “admin” is “123456” .

➤ Disable Login to CAS .

A close-up screenshot of the login form, enclosed in a blue rectangular border. It shows the 'User ID' field containing the text 'admin', the 'Password' field filled with seven black dots, a 'Login' button, and a checked checkbox for 'Login to CAS'.

➤ Click “Login” button to enter “WebSMS” main interface.



- ✧ WebSMS system contains 7 modules: System Setting, Device & Product, Price Management, Business Management, CAS Functions (CAS3/4/5/6), Business Search and Reports.

System Setting

[Home Page](#) | [System Setting](#) ×

System Setting

Operator No. *

Stop Resume Fee Model

Default Renewing Duration * Months

Renew Start Time Type

Need Pay When Resume

Print Invoice

Invoice Prefix

Invoice Template

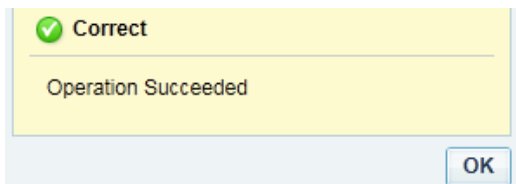
Upload Invoice Template [Upload Invoice Template](#)

- ✧ Operator No. : It is the operator number set when configuring the database with “Web SMS DB Tool” . It is not allowed to modify it here.
- ✧ Stop Resume Fee Model: There are two modes: “by the month” (to charge fees as per the months of stop) and “by the times” (to charge fees as per the times regardless stop time).
- ✧ Default Renewing Duration: The quantity of default months for the ordered products.
- ✧ Renew start time type: “Renew from current time” and “Renew after the expired time”





**For example: Subscriber orders products on 1st May for 6 months and the last time due on 1st Jan. If the renew start time type is set “Renew from current time”, the available time is from 1st May to 1st Nov. If the renew start time type is set “Renew after the last time ends”, the available time is from 1st Jan to 1st Jul.*

- ✧ Need pay when resume: Check this option to charge fees in case stop and resume the service in the same. Uncheck this option to disable this function.
- ✧ Print invoice: “Yes” – a prompt box of printing invoice will pop out when the business staff deal business for subscribers. “No” – No such prompt box will pop out.
- ✧ Invoice prefix: set the prefix as per customer require.


- ✧ Invoice Template: Research personnel make invoice template as customer requires and send it to customer. User can select a template here as the default template after customer uploads it.
- ✧ Upload invoice template: Research personnel make invoice template as customer requires and send it to customer. Customer then uploads it to the system.
- Click “Submit” after completing the settings.

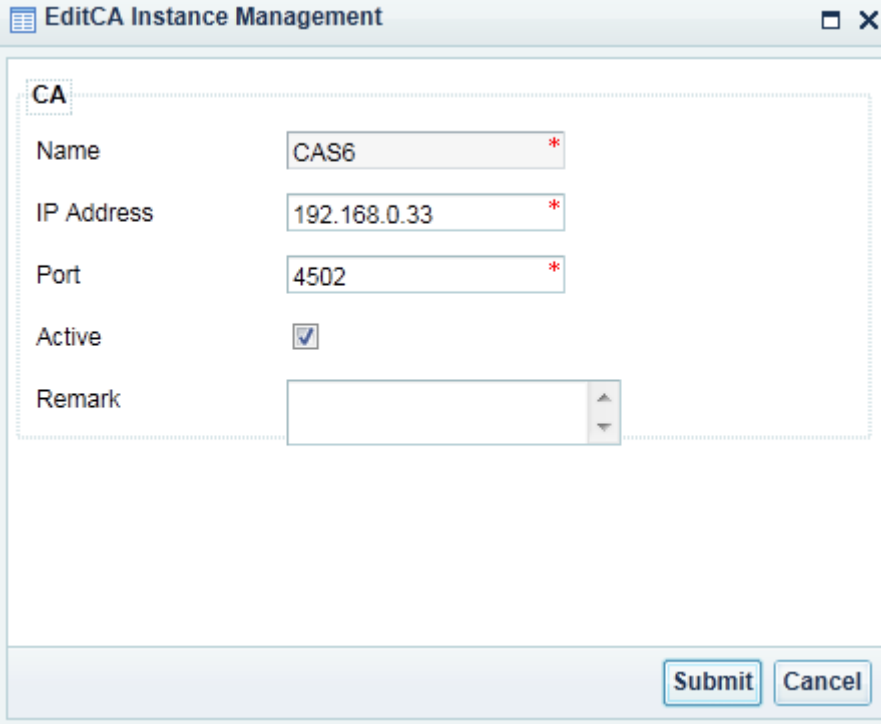


CA Instance Management

Name	IP Address	Port	Active	Remark	Operation
CAS3	192.168.0.33	4503	Yes		
CAS4	192.168.0.33	4500	Yes		
CAS5	192.168.0.33	4501	Yes		
CAS6	192.168.0.33	4502	Yes		

**Dexin CAS versions include 3.0, 4.0, 5.0 and 6.0. Select one to use as per you CAS version.*

- Click  icon in “Operation” column.



EditCA Instance Management

CA

Name: CAS6 *

IP Address: 192.168.0.33 *

Port: 4502 *

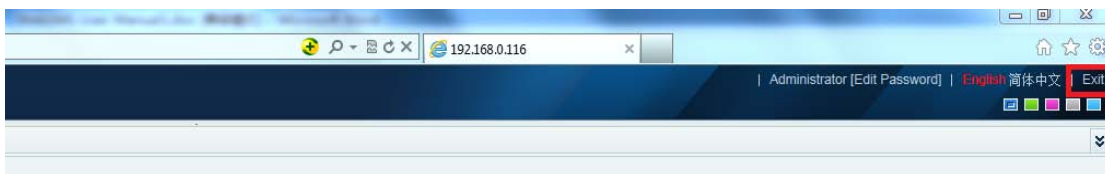
Active:

Remark:

Submit Cancel

- ✧ Name: Select a CAS version, do not change the name.
- ✧ IP Address: Enter the Server IP where database is installed.
- ✧ Port: Enter the port number in accordance with CASServer_Web5.
- ✧ Active: Check this option to activate this CAS and uncheck to disable it.
- ✧ Remark: Enter remark info here.

➤ Click **Submit** button after completing the settings.



Click “Exit” to go back to login interface and check the option “Login to CAS” as shown below. If it can successfully login to CAS, it indicates that the login function is normal.

User ID

Password

Login

Login to CAS

Customer Type

Home Page System Setting x Customer Type x CA Instance x

Operator

Add Delete Edit View Inherit Parent Customer Type

ID	Name	Operator
----	------	----------

➤ Click Add button.

Add

Customer Type


ID

Name *

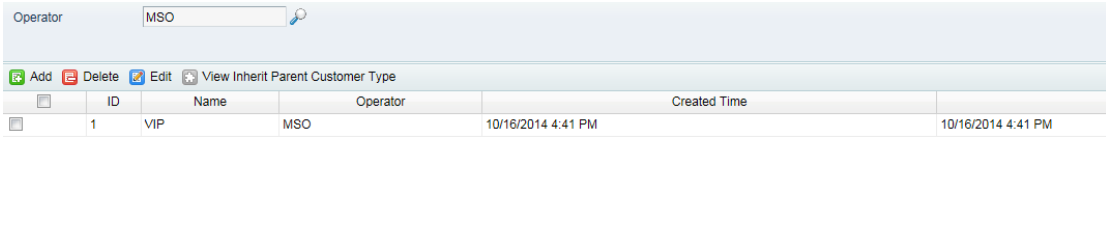
Operator *

Submit Cancel

✧ Name: Enter customer type name, such as “VIP”.

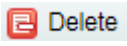

✧ Operator: Click  icon, select MSO to add such type of customers under this MSO.

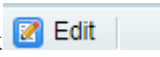

➤ Click “Submit” after completing the settings.

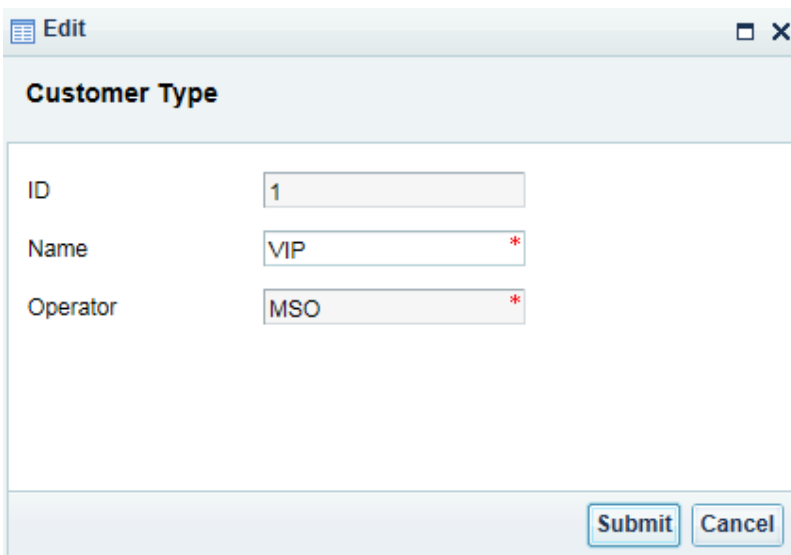


The screenshot shows a search bar with 'MSO' entered and a magnifying glass icon. Below it is a table with columns: ID, Name, Operator, and Created Time. The table contains one row with ID 1, Name VIP, Operator MSO, and Created Time 10/16/2014 4:41 PM. Above the table are buttons for Add, Delete, Edit, and View Inherit Parent Customer Type.

ID	Name	Operator	Created Time
1	VIP	MSO	10/16/2014 4:41 PM

➤ How to delete a customer: Select one customer, and click  button on the menu bar or  behind to delete the customer type.

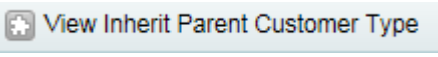
➤ How to modify a customer: Select one customer, and click  button or  to start editing.



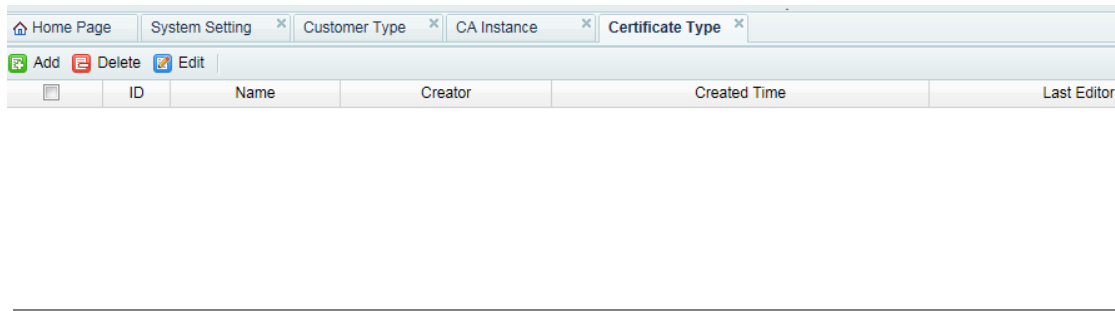
The screenshot shows an 'Edit' dialog box titled 'Customer Type'. It contains three input fields: ID (1), Name (VIP), and Operator (MSO). The Name and Operator fields have red asterisks indicating they are required. At the bottom right are 'Submit' and 'Cancel' buttons.

ID	<input type="text" value="1"/>
Name	<input type="text" value="VIP"/> *
Operator	<input type="text" value="MSO"/> *

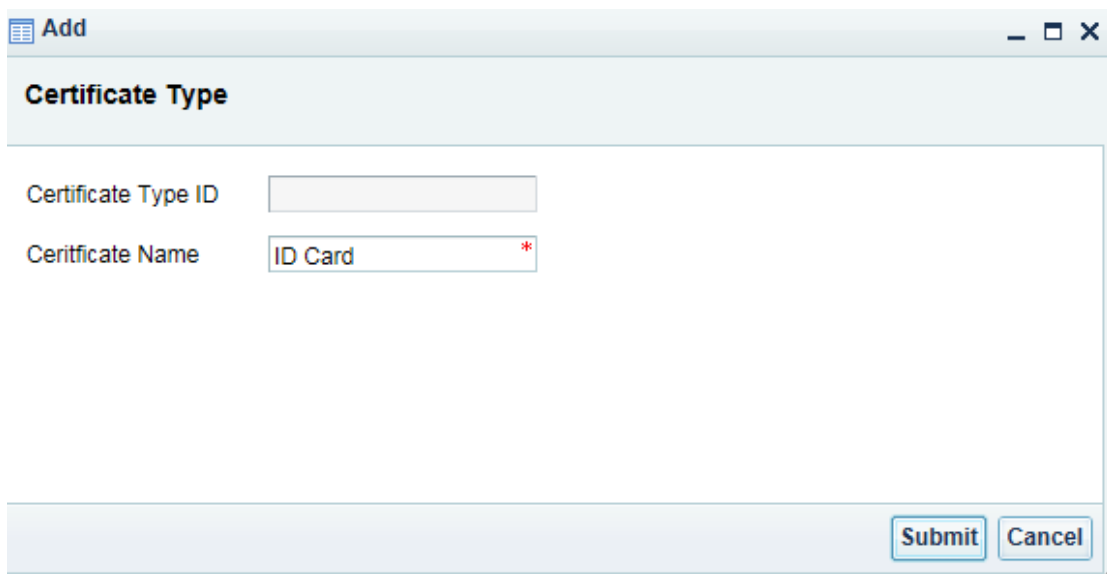
➤ Click  after completing the editing.

➤ User can view the customer type defined by the upper-level operator by clicking  option.


Certificate Type

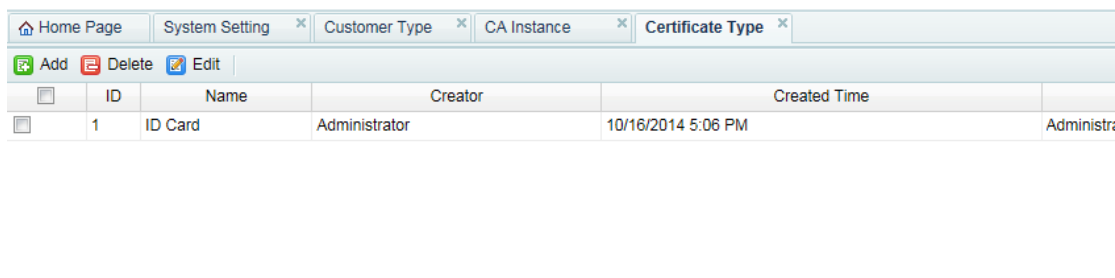




➤ Click  **Add** button.





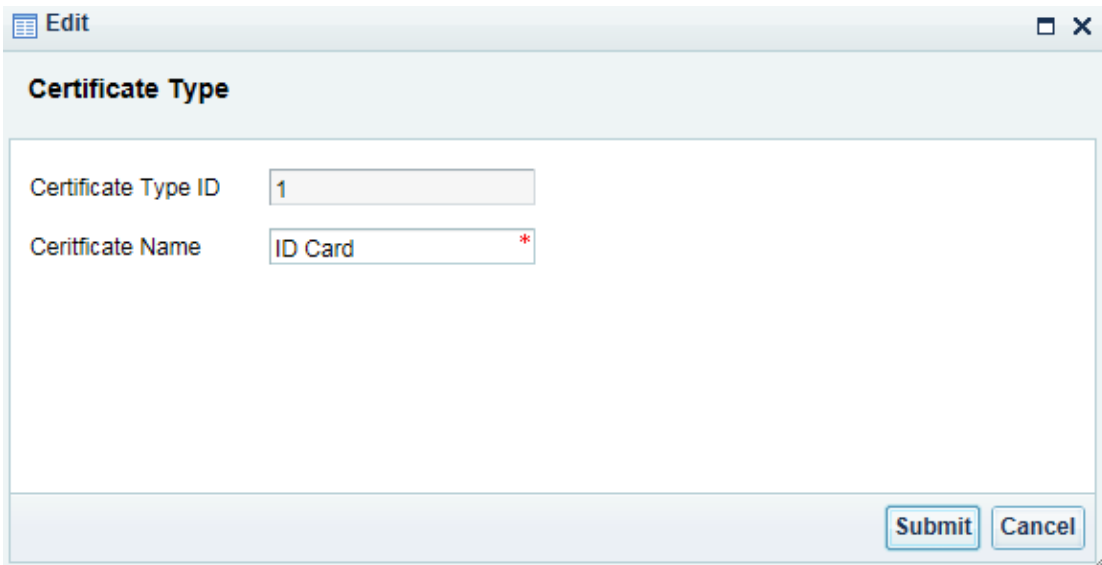
✧ Certificate Name: Enter a certificate type like “ID Card”.

➤ Click  **Submit** after completing the editing.



➤ How to delete a certificate type: Select one certificate, and click  **Delete** button on the menu bar or  behind to delete the certificate type.

- How to modify a certificate type: Select one certificate, and click  **Edit** button or  to start editing.




Edit

Certificate Type

Certificate Type ID

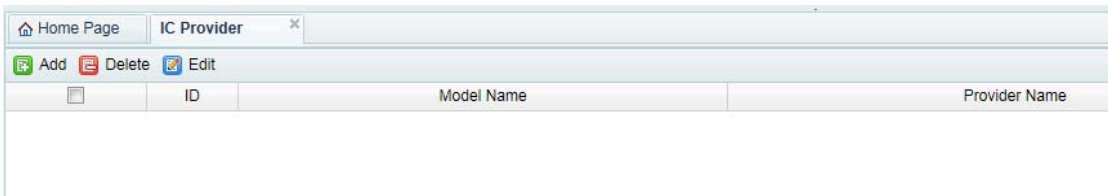
Certificate Name *

Submit **Cancel**



- Click  after completing the editing.

Provider Management

IC Card Provider




Home Page IC Provider

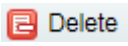

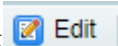

 Add  Delete  Edit

ID	Model Name	Provider Name
----	------------	---------------

- Click  **Add** button.

- ✧ Model Name: Enter the model name of IC card such as “CAS5” .
- ✧ Provider Name: Enter the provider name of IC card such as “dx” .
- Click  after completing the settings.

ID	Model Name	Provider Name	CA
1	IC with cos	dx	CAS6

- How to delete an IC provider: Select one provider and click  button on the menu bar or  behind to delete the provider.
- How to modify a provider: Select one provider, and click  button or  to start editing.

Edit

Provider

ID: 1


Model Name: IC with cos *

Provider Name: dx *

CA: CAS6

Remark:

Submit Cancel

➤ Click  after completing the editing.

STB Provider

Home Page IC Provider

Add Delete Edit

ID	Model Name	Provider Name
----	------------	---------------

➤ Click  Add button.

- ✧ Model Name: Enter a STB model name such as “DVB-C” .
- ✧ Provider Name: Enter the STB provider name such as “KK” .
- Click **Submit** button after completing the settings.

ID	Model Name	Provider Name
2	DVB-C	KK

- How to delete an STB provider: Select one provider and click **Delete** button on the menu bar or behind to delete the provider.
- How to modify a provider: Select one provider, and click **Edit** button or to start editing.

Edit

Provider

ID: 2


Model Name: DVB-C *

Provider Name: KK *





CA: CAS6

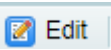

Remark:

Submit Cancel

- Click  after completing the editing.

PPV Provider

ID	Provider Name	Active	Remark	Operation
1	PPV1	<input checked="" type="checkbox"/>		
2	PPV2	<input checked="" type="checkbox"/>		
3	PPV3	<input checked="" type="checkbox"/>		
4	PPV4	<input checked="" type="checkbox"/>		

- Select one provider, and click  button or  to start editing.

Edit

Provider

ID: 1

Provider Name: PPV1 *

Remark:

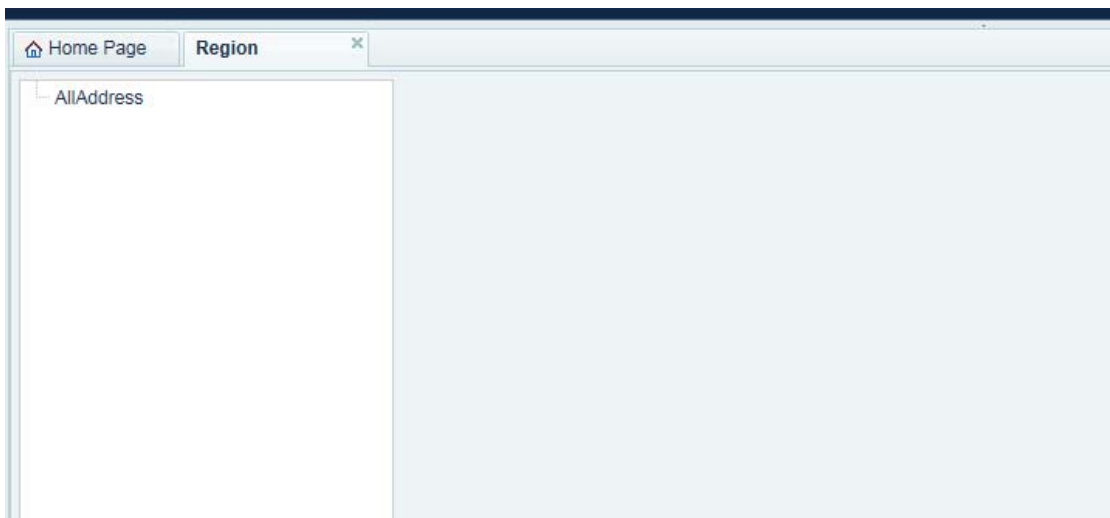
Active:

Submit Cancel

✧ Provider Name: Users can modify PPV program provider name like “CCTV Movie” and etc.

✧ Starting Use: Check this option to enable the PPV provider.

Region Management



➤ Click “All Address” .

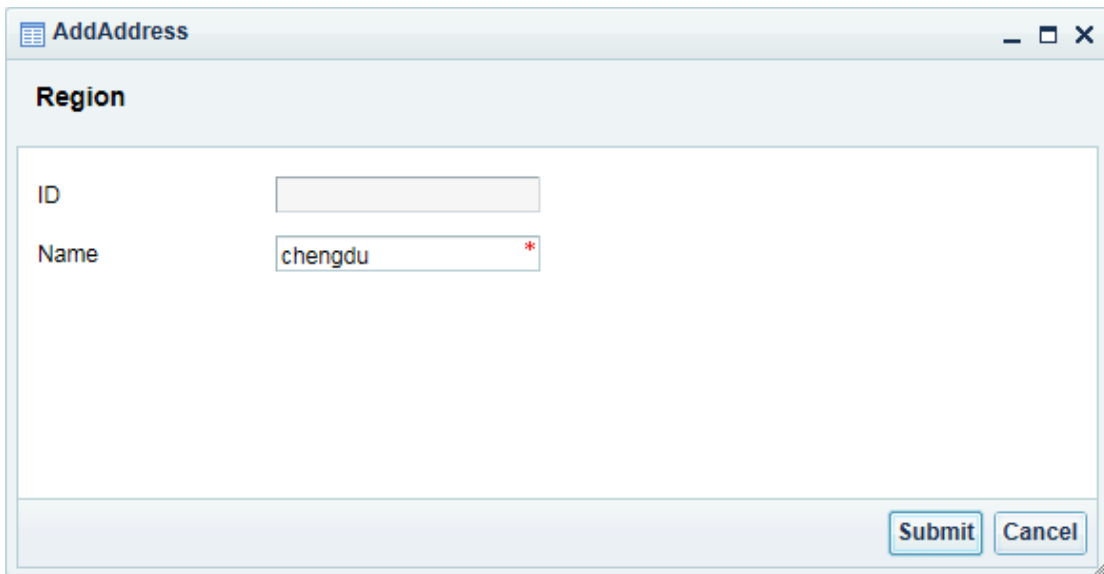
Home Page Region

AllAddress

Add Delete Edit

ID	CA Region ID	Name	Creator	Created Time
----	--------------	------	---------	--------------

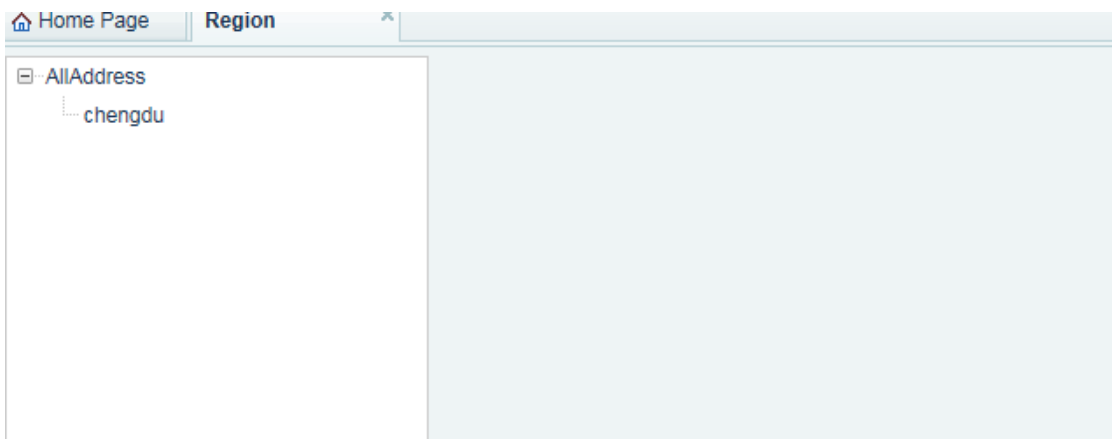
- Click “Add” button to enter window as below:



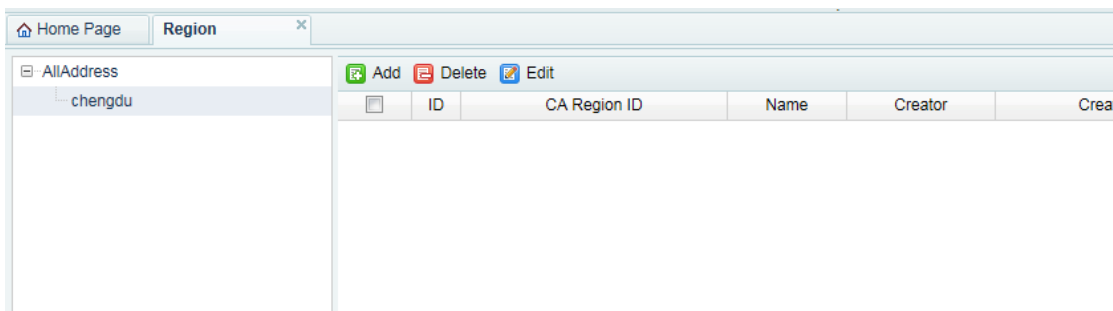
The screenshot shows a dialog box titled "AddAddress". It contains a "Region" section with two input fields: "ID" and "Name". The "Name" field contains the text "chengdu" and has a red asterisk next to it. At the bottom right of the dialog, there are two buttons: "Submit" and "Cancel".

- ✧ Name: Enter the region name such “Chengdu”.

- Click  button after completing the settings.

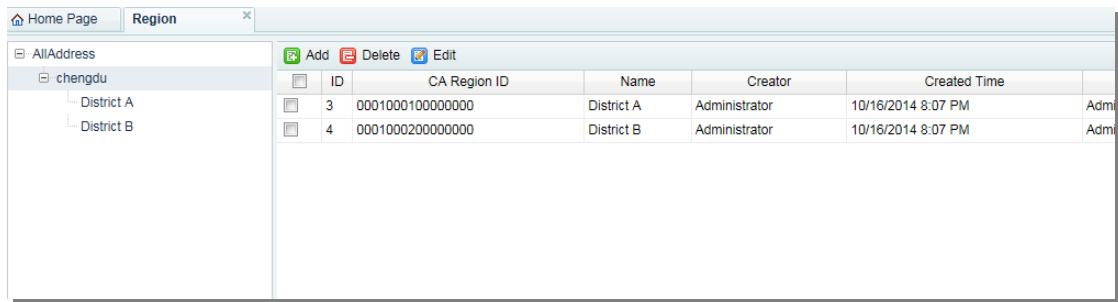


- Click to select “chengdu” option.



- User can click “Add” to add sub-level regions such as “District A”. And by this analogy, user can add 3 levels of regions in all.

Web SMS User Manual

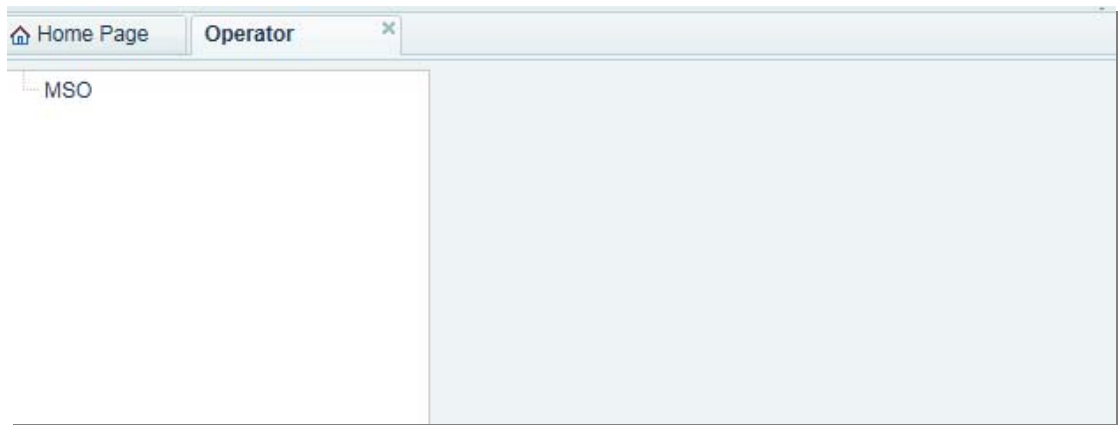


**CA Region ID will be applied when ECMG enables region control function.*

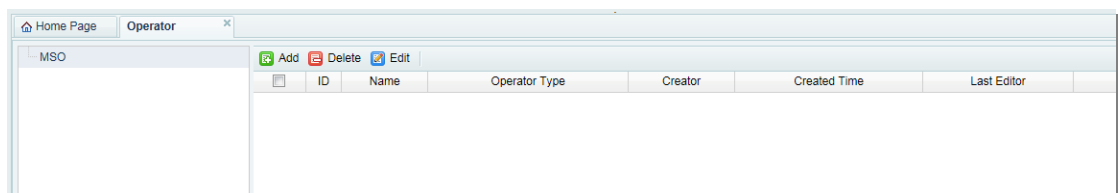
MSO Management

**User can add Multiple System Operators under a general operator. Usually, in most cases there is only one operator. We suggest that it's better new one level sub-operator under MSO.*

Add MSOs



Click “MSO” option.



Click  **Add** button.

Operator


Branch Operator ID: 0 Name: Hall A *

Operator Type: Business Hall

Submit Cancel

Name: Enter a name like “Hall A” .

Operator Type: Select a type: Business Hall or MSO.


Click  button to complete adding MSO.

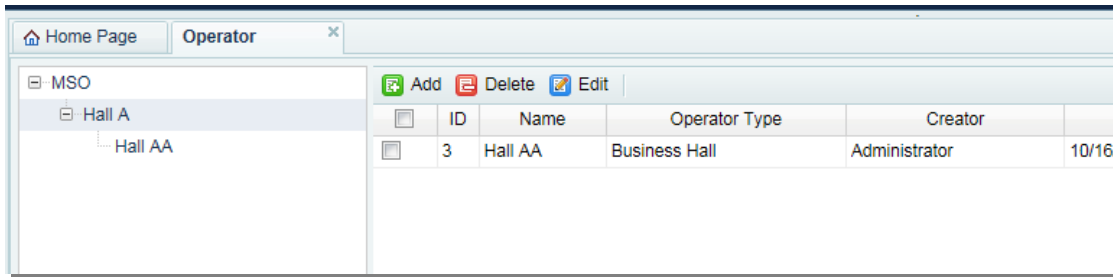
ID	Name	Operator Type	Creator	Created Time
2	Hall A	Business Hall	Administrator	10/16/2014 5:42 PM

Add MSOs

Click to select “Hall A” .

ID	Name	Operator Type	Creator
----	------	---------------	---------

Click  button to add sub-operators under “Hall A” . And by this analogy, user can add 3 levels of operators in all.



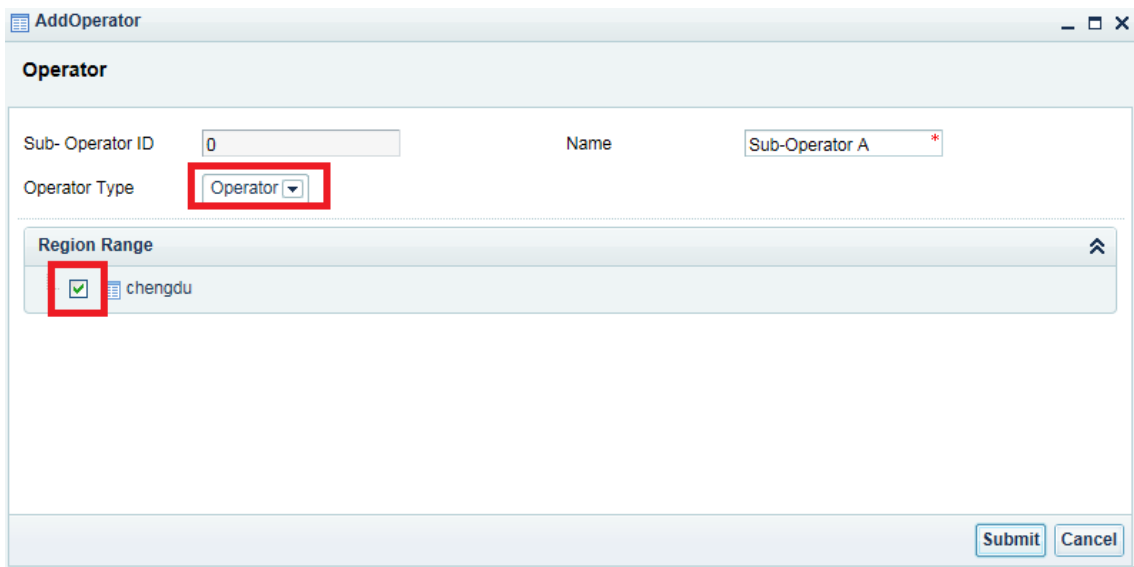
How to delete a MSO or Hall:

Check the MSO or Hall to be deleted, click  Delete on the menu bar or  behind the MSO/Hall to delete it.

How to modify a MSO or Hall:

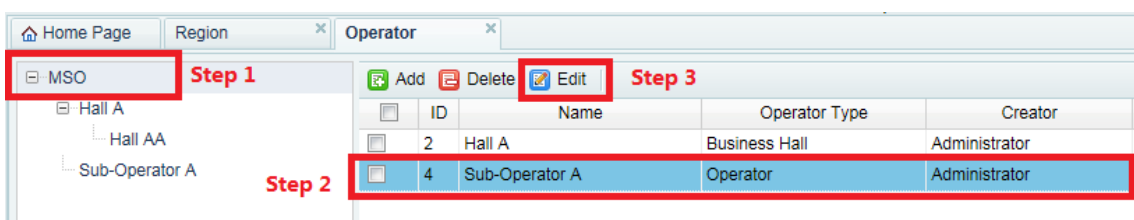
Check the MSO or Hall to be modified, click  Edit on the menu bar or  behind the MSO/Hall to enter the editing interface.

Add sub-operator under MSO

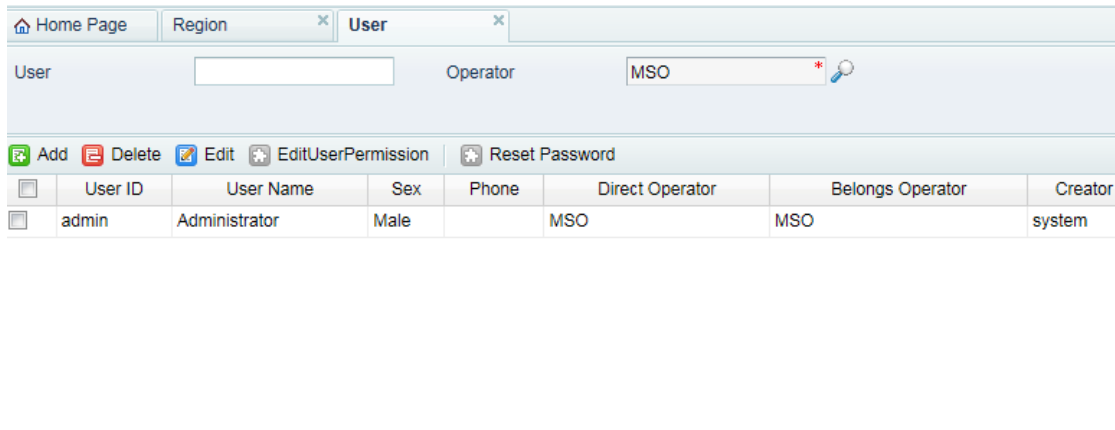


Edit sub-operator and specify a new region.

Step: Select MSO->Select the row->Click the button "Edit".



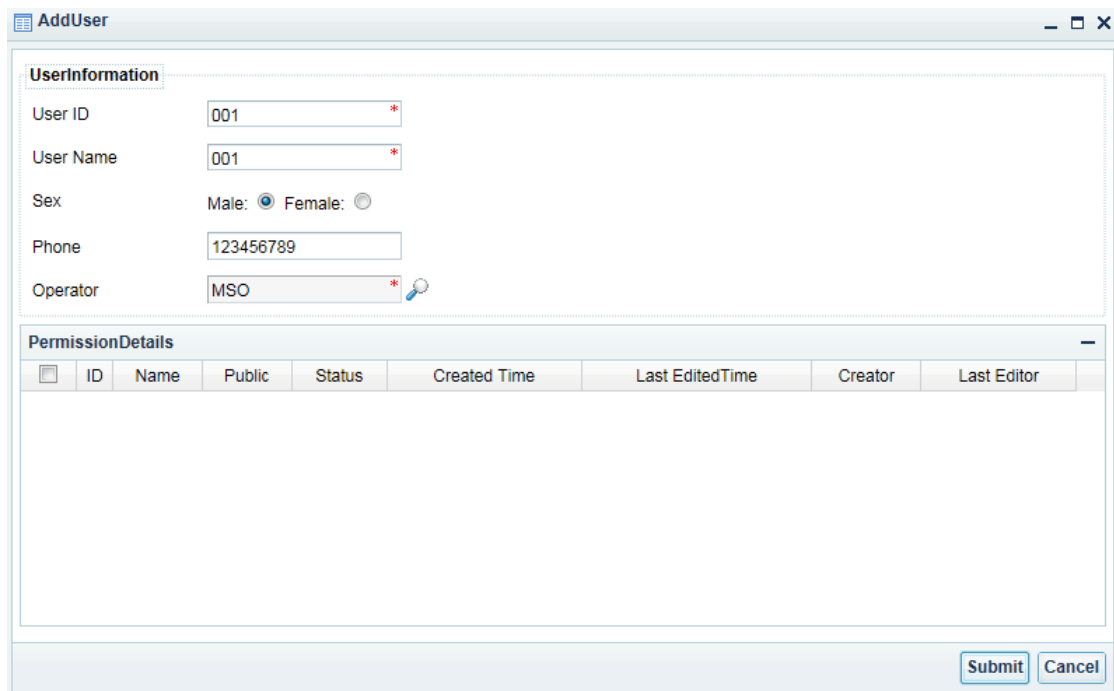
User Management



The screenshot shows a web application window with a breadcrumb trail: Home Page > Region > User. Below the breadcrumb, there are input fields for 'User' and 'Operator' (containing 'MSO'). A toolbar contains buttons: Add, Delete, Edit, EditUserPermission, and Reset Password. Below the toolbar is a table with the following data:

<input type="checkbox"/>	User ID	User Name	Sex	Phone	Direct Operator	Belongs Operator	Creator
<input type="checkbox"/>	admin	Administrator	Male		MSO	MSO	system

➤ Click "Add" button.



The screenshot shows the 'AddUser' form. It has two main sections: 'UserInformation' and 'PermissionDetails'. The 'UserInformation' section contains the following fields:

- User ID: 001
- User Name: 001
- Sex: Male (selected), Female
- Phone: 123456789
- Operator: MSO

The 'PermissionDetails' section is a table with the following columns: , ID, Name, Public, Status, Created Time, Last EditedTime, Creator, Last Editor. The table is currently empty. At the bottom right of the form are 'Submit' and 'Cancel' buttons.

✧ User ID: Enter the user login ID such as "001".

✧ User Name: Enter the user name such as "001".

✧ Operator: Select the MSO or hall which this operator belongs to.

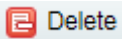

➤ Click **Submit** button after completing the editing.

Web SMS User Manual

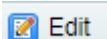

The screenshot shows a web application interface with a menu bar at the top containing 'Home Page', 'Region', 'User', and 'Permission'. Below the menu bar, there are input fields for 'User' and 'Operator' (containing 'MSO'). A menu bar below the input fields includes 'Add', 'Delete', 'Edit', 'EditUserPermission', and 'Reset Password'. Below the menu bar is a table with the following data:

<input type="checkbox"/>	User ID	User Name	Sex	Phone	Direct Operator	Belongs Operator	Creator
<input checked="" type="checkbox"/>	001	001	Male	123456789	MSO	MSO	Administrator
<input type="checkbox"/>	admin	Administrator	Male		MSO	MSO	system



✧ How to delete a user:

Check the user to be deleted, click  on the menu bar or  behind the user to delete it.

✧ How to modify a user:

Check the user to be modified, click  on the menu bar or  behind the user to enter the editing interface.

✧ How to modify a user's permission:

Check the user to be modified and click  button or  behind the user to enter the edit interface.

The screenshot shows the 'EditUserPermission' dialog box. It has two main sections: 'UserInformation' and 'PermissionDetails'. The 'UserInformation' section contains the following fields:

User ID	001
User Name	001
Phone	123456789
Operator	MSO

The 'PermissionDetails' section contains a table with the following data:

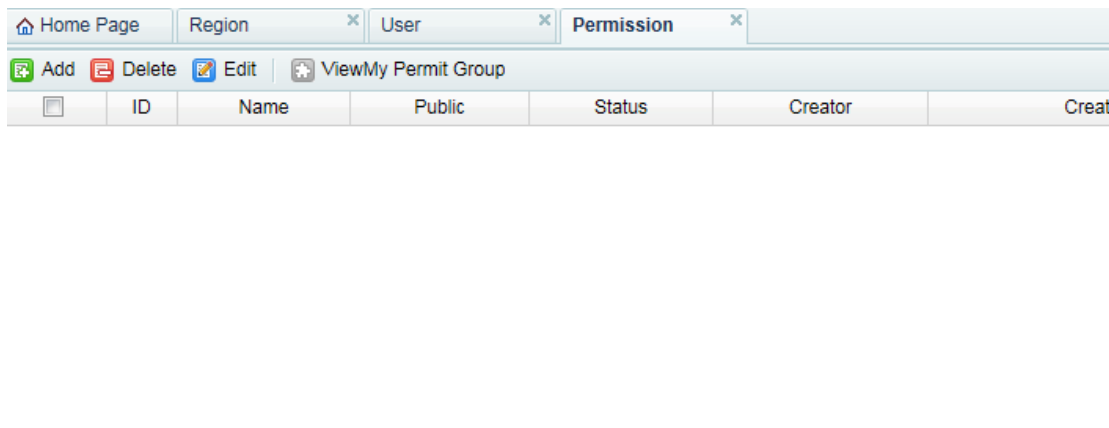
<input type="checkbox"/>	ID	Name	Public	Status	Created Time	Last EditedTime	Creator	Last Editor
<input checked="" type="checkbox"/>	2	Charge User Group	<input type="checkbox"/>	<input checked="" type="checkbox"/>	10/16/2014 8:18 PM	10/16/2014 8:18 PM	Administrator	Administrator

At the bottom right of the dialog box, there are 'Submit' and 'Cancel' buttons.

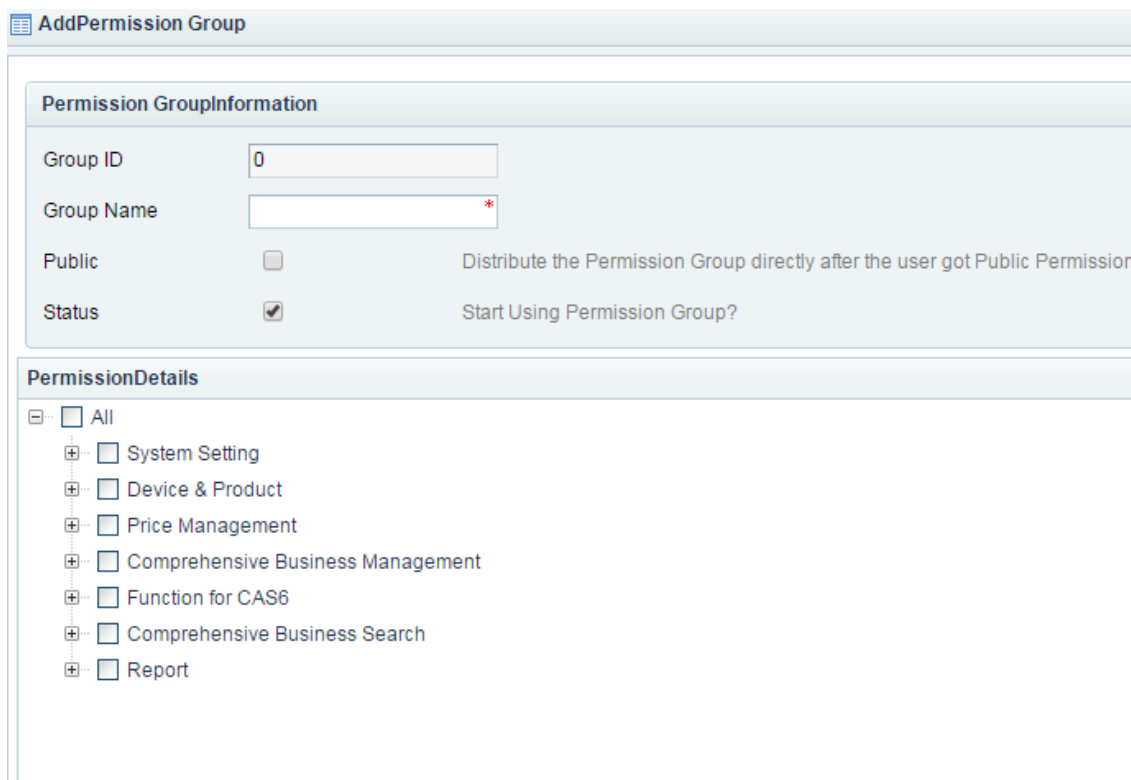
- Check permission options under “Permission Details”, and click “Submit” button to complete the right distribution.

* The password of user is 123456 by default

Permission Group Management



- Click “Add” button.



- ✧ Group Name: Enter a group name here such as “Charge User Group” .
- ✧ Permission Details: Check permit options which need allot to this group.

EditPermission Group

Permission GroupInformation

Group ID

Group Name

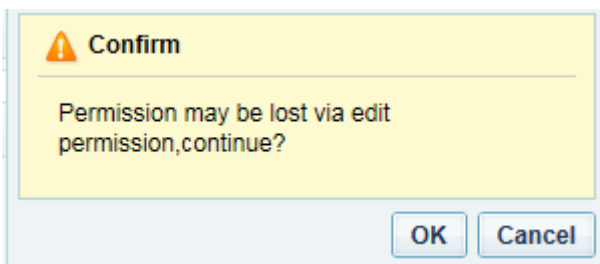
Public Distribute the Permission Group directly after the user got Public Permission Group, but can not distribute

Status Start Using Permission Group?

PermissionDetails

- All
- System Setting
- Device & Product
- Price Management
- Comprehensive Business Management
- Function for CAS6
- Comprehensive Business Search
- Report

➤ Click "Submit" after completing the settings.



➤ Click "OK" button to confirm.



ID	Name	Public	Status	Creator	Created Time
2	Charge User Group	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Administrator	10/16/2014 8:18 PM

✧ How to delete a permit group:

Check the permit group to be deleted, click **Delete** on the menu bar or

behind the permit group to delete it.


✧ How to modify a permit group:


Check the permit group to be modified, click  **Edit** on the menu bar or  behind the permit group to enter the editing interface.

- Click “View My Permit Group” button to view the current administrator’s permit group.

ID	Name	Public	Status	Creator	Created Time
1	administrators	<input type="checkbox"/>	<input checked="" type="checkbox"/>	system	10/11/2014 2:31 PM

User can get back to operator interface to allot operators to permit group.

Click “Edit User Permission” or  button.

- ✧ To check the member details of one permit group, user can select the group and click .

EditUserPermission

UserInformation

User ID:

User Name:

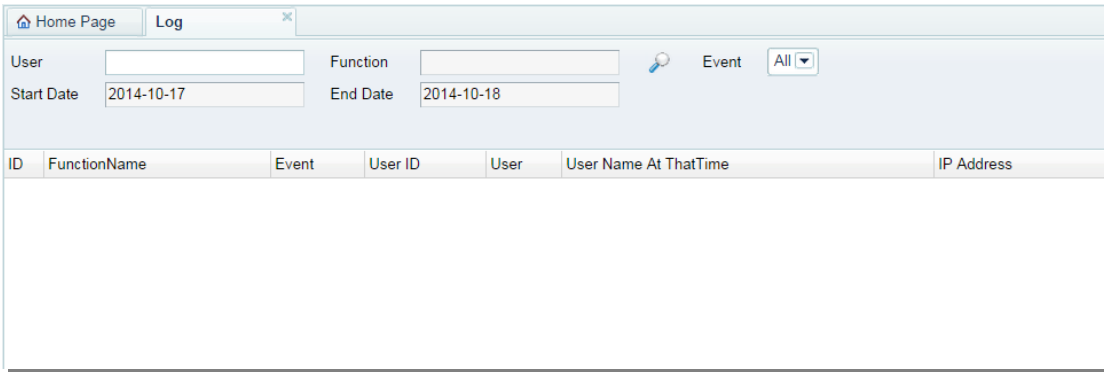
Phone:

Operator:


PermissionDetails

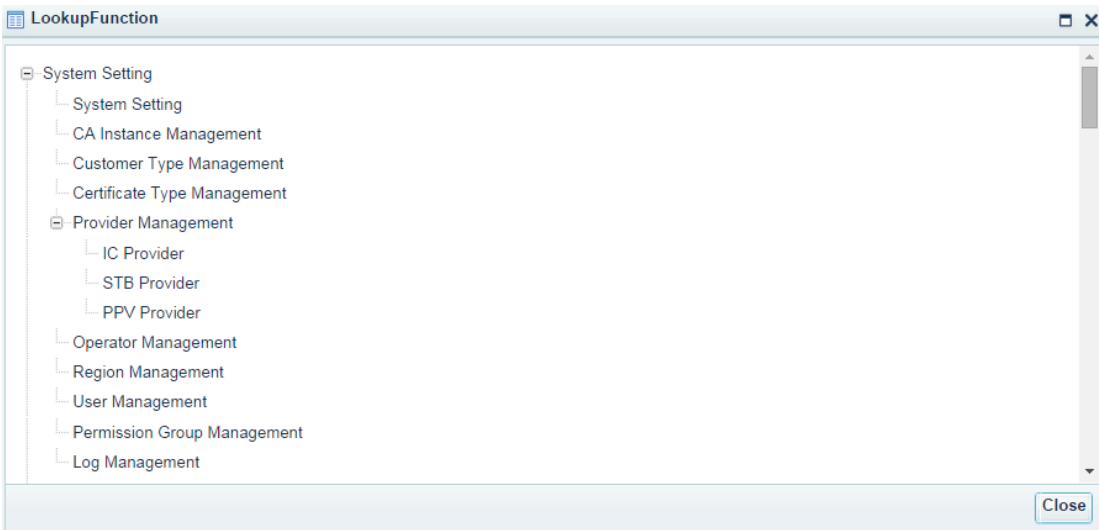
<input type="checkbox"/>	ID	Name	Public	Status	Created Time	Last EditedTime	Creator	Last Editor
<input checked="" type="checkbox"/>	2	Charge User Group	<input type="checkbox"/>	<input checked="" type="checkbox"/>	10/16/2014 8:18 PM	10/16/2014 8:18 PM	Administrator	Administrator

Log

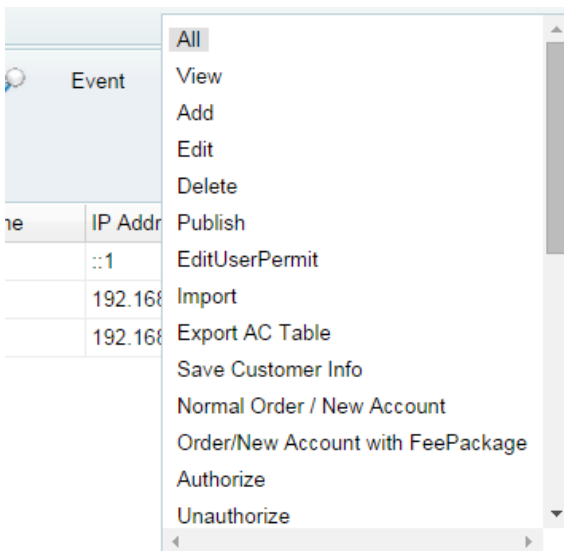


✧ User: Enter the user ID to look up the operation log of this user.

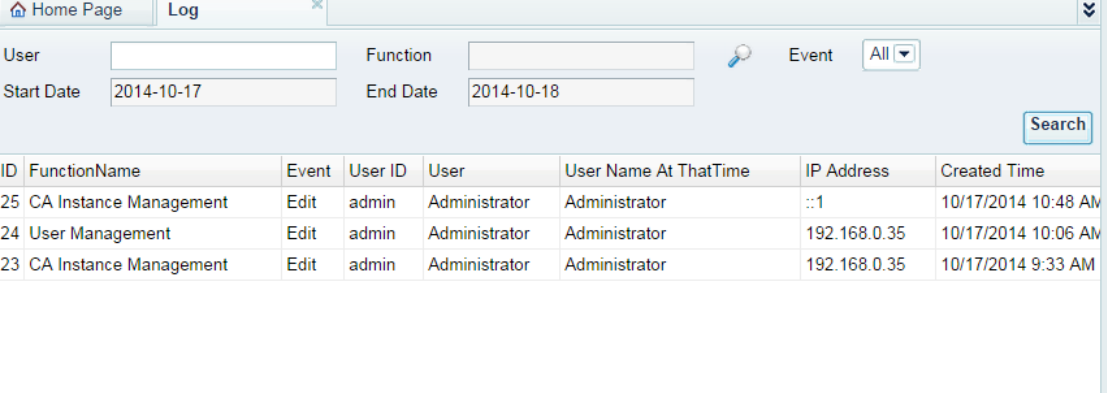
✧ Function: User can click  to specify one function and look up the log of this function.



✧ Event: User can select one event and look up the log of this event.



- ✧ Start Date/End Date: User can specify a period during which to look up the log.
- ✧ These conditions can be also combined together to form one condition and click "Search" to look up the log.

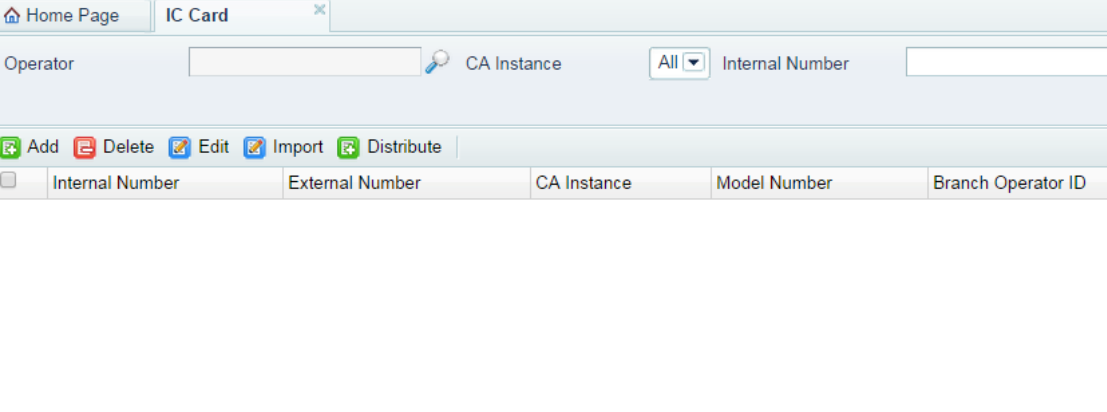


ID	FunctionName	Event	User ID	User	User Name At ThatTime	IP Address	Created Time
25	CA Instance Management	Edit	admin	Administrator	Administrator	:::1	10/17/2014 10:48 AM
24	User Management	Edit	admin	Administrator	Administrator	192.168.0.35	10/17/2014 10:06 AM
23	CA Instance Management	Edit	admin	Administrator	Administrator	192.168.0.35	10/17/2014 9:33 AM

Device and Product Management

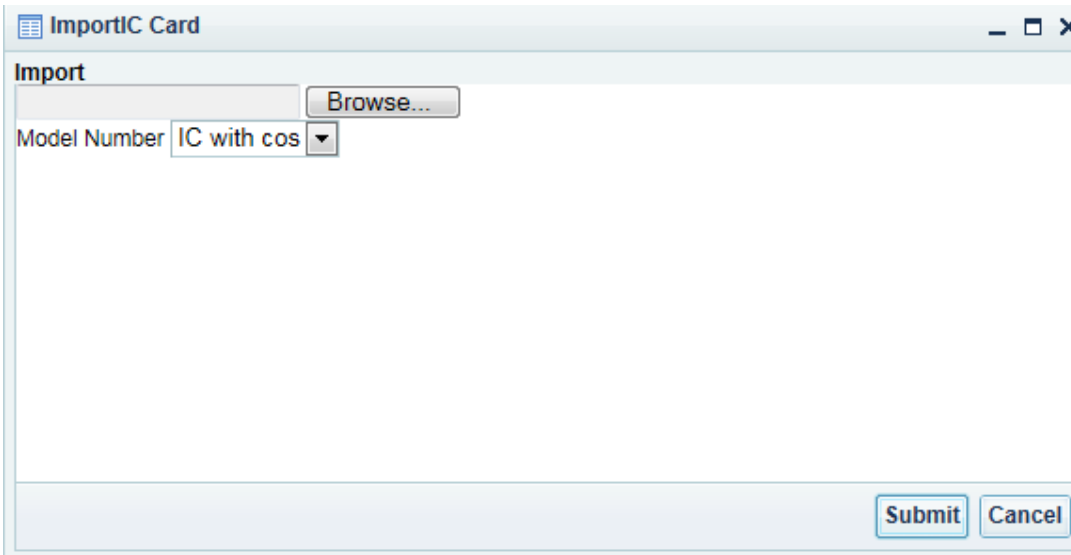
Devices Management

IC Card Management

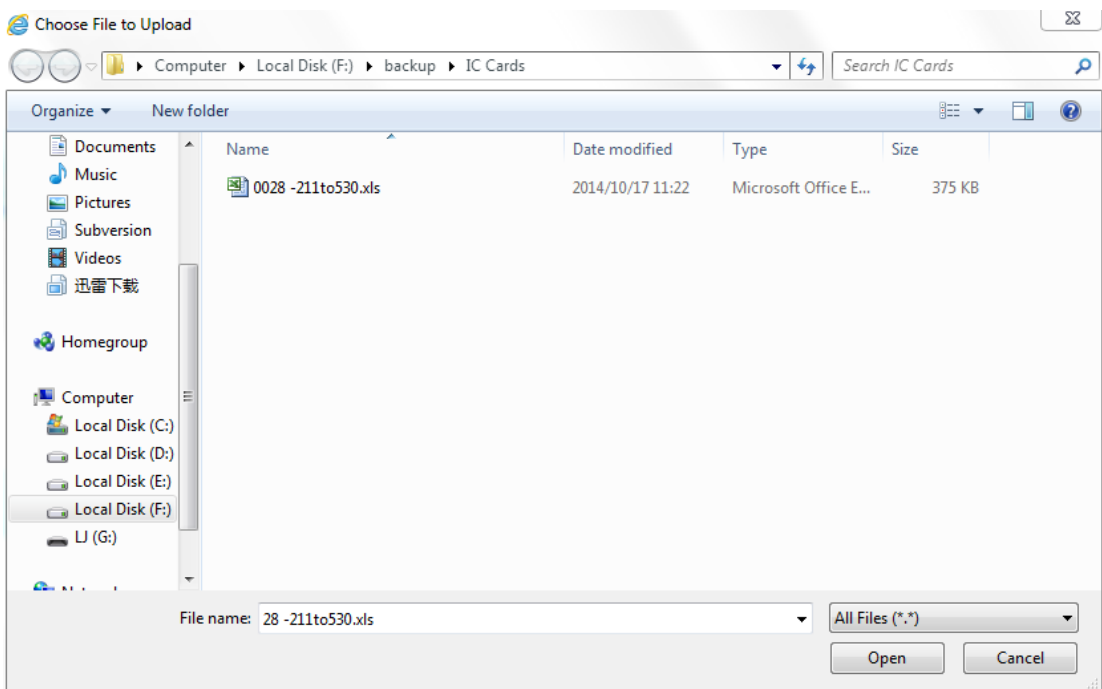


Internal Number	External Number	CA Instance	Model Number	Branch Operator ID
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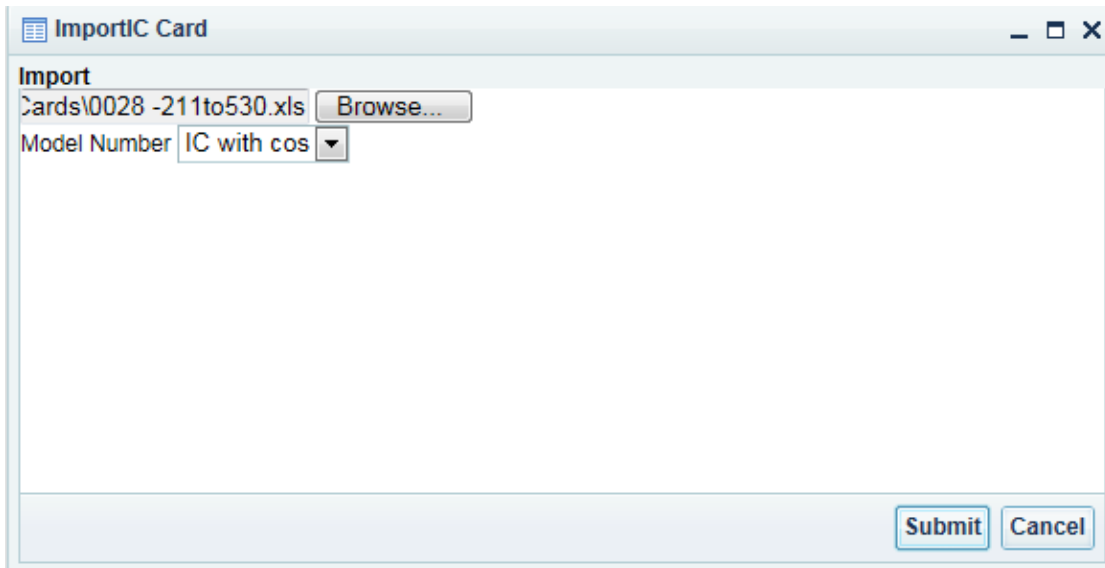
- Click "Import" button.



- Click "Browse", select a card ID file and click "Open" as shown below to import card IDs.



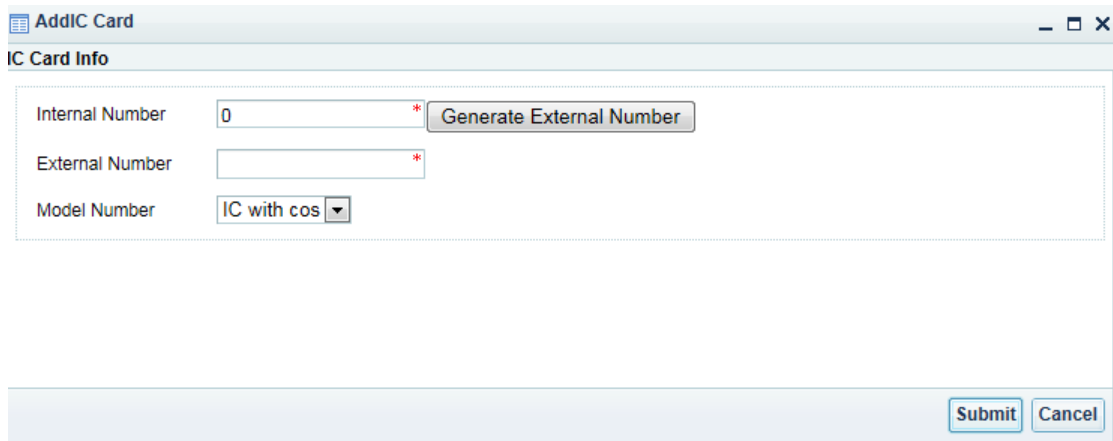
- Select the card ID file and click "Submit" to import the card IDs in the server. Wait for a while as per the card ID quantity.



➤ After importing all the card IDs, it shows as below:

	Internal Number	External Number	CA Instance	Model Number	Branch Operator ID
<input type="checkbox"/>	50211	8002888000502111	CAS6	IC with cos	MSO
<input type="checkbox"/>	50212	8002888000502129	CAS6	IC with cos	MSO
<input type="checkbox"/>	50213	8002888000502137	CAS6	IC with cos	MSO
<input type="checkbox"/>	50214	8002888000502145	CAS6	IC with cos	MSO
<input type="checkbox"/>	50215	8002888000502152	CAS6	IC with cos	MSO
<input type="checkbox"/>	50216	8002888000502160	CAS6	IC with cos	MSO
<input type="checkbox"/>	50217	8002888000502178	CAS6	IC with cos	MSO
<input type="checkbox"/>	50218	8002888000502186	CAS6	IC with cos	MSO
<input type="checkbox"/>	50219	8002888000502194	CAS6	IC with cos	MSO
<input type="checkbox"/>	50220	8002888000502202	CAS6	IC with cos	MSO
<input type="checkbox"/>	50221	8002888000502210	CAS6	IC with cos	MSO
<input type="checkbox"/>	50222	8002888000502228	CAS6	IC with cos	MSO
<input type="checkbox"/>	50223	8002888000502236	CAS6	IC with cos	MSO
<input type="checkbox"/>	50224	8002888000502244	CAS6	IC with cos	MSO
<input type="checkbox"/>	50225	8002888000502251	CAS6	IC with cos	MSO
<input type="checkbox"/>	50226	8002888000502259	CAS6	IC with cos	MSO

➤ User can click "Add" button to add card IDs individually.



AddIC Card

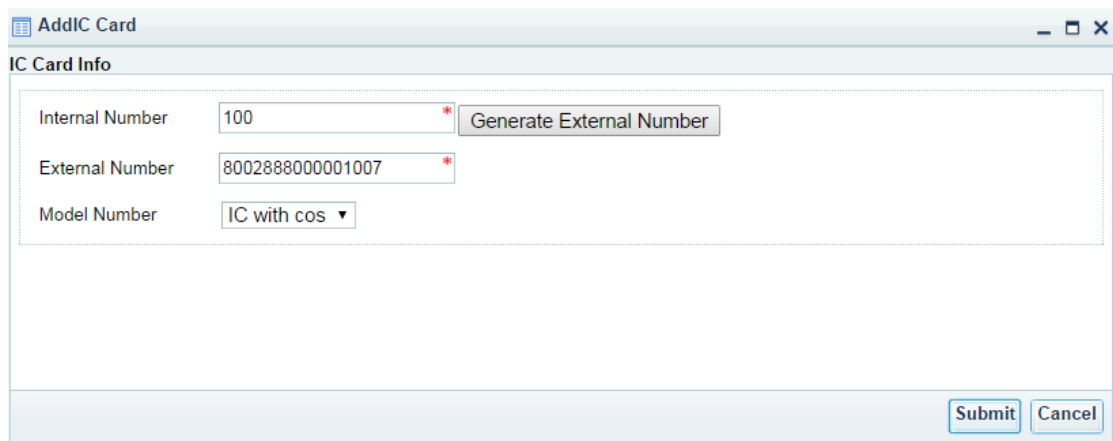
IC Card Info

Internal Number: 0 *

External Number: *

Model Number: IC with cos ▼

- ✧ Internal Number: Enter the internal card IDs needed, click “Generate External Number” and click “Submit” to add a single card ID.



AddIC Card






IC Card Info

Internal Number: 100 *

External Number: 8002888000001007 *

Model Number: IC with cos ▼

For “INACTIVE” cards:

- ✧ Select this card and click “Delete” button  Delete on the menu bar or  button behind this card to delete it.
- ✧ Select this card and click “Edit” button  Edit on the menu bar or  button behind this card to modify it.
- ✧ If there are MSO, click “Distribute” button  Distribute to distribute IC cards to sub-level operators.

- Enter the “Start/End IC Internal Number” and click button to select MSO to distribute IC card numbers. Click “Submit” at last to complete the operation.
- ✧ To check the IC card status, user can specify the MSO or input card number and click “Search” button.

Internal Number	External Number	CA Instance	Model Number	Branch Operator ID
301	8002888000003011	CAS6	IC with cos	MSO

STB Management

STB ID	STB Real Number	CA Instance	Model Number	B
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
- Click “Add” to add STBs individually.

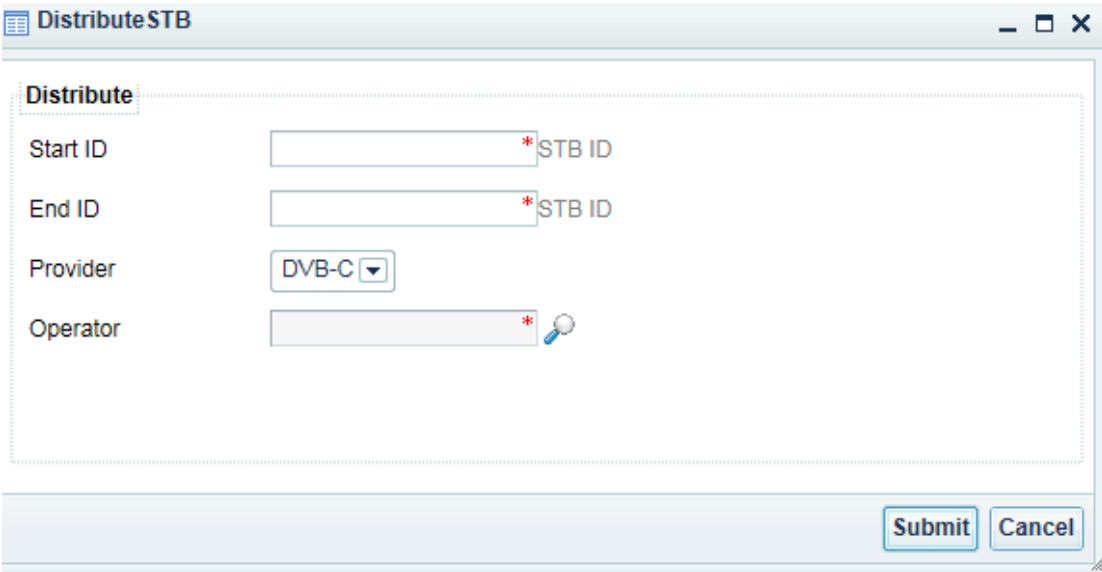
- Enter a 16-digit STB ID and click “Submit” to complete the operation.
- Click “Batch Add” to add a batch of STBs. (Not applicable for CA6)

- Enter the quantity and click “Submit” to complete the batch adding.

STB ID	STB Real Number	CA Instance	Model Number	Branch Operator ID	Status	Last Editor
11	DE13181704000001	CAS6	DVB-C	MSO	In Store	Administrator
12	DE13181704000002	CAS6	DVB-C	MSO	In Store	Administrator
13	DE13181704000003	CAS6	DVB-C	MSO	In Store	Administrator
14	DE13181704000004	CAS6	DVB-C	MSO	In Store	Administrator
15	DE13181704000005	CAS6	DVB-C	MSO	In Store	Administrator
16	DE13181704000006	CAS6	DVB-C	MSO	In Store	Administrator
17	DE13181704000007	CAS6	DVB-C	MSO	In Store	Administrator
18	DE13181704000008	CAS6	DVB-C	MSO	In Store	Administrator
19	DE13181704000009	CAS6	DVB-C	MSO	In Store	Administrator
20	DE1318170400000A	CAS6	DVB-C	MSO	In Store	Administrator
21	DE1318170400000B	CAS6	DVB-C	MSO	In Store	Administrator
22	DE1318170400000C	CAS6	DVB-C	MSO	In Store	Administrator
23	DE1318170400000D	CAS6	DVB-C	MSO	In Store	Administrator

For “In Store” STBs:

- ✧ Select this STB and click "Delete" button  on the menu bar or  button behind this STB to delete it.
- ✧ Select this STB and click "Edit" button  on the menu bar or  button behind this STB to modify it.
- ✧ If there are MSO, click "Distribute" button  to distribute STBs to sub-level operators.




Distribute

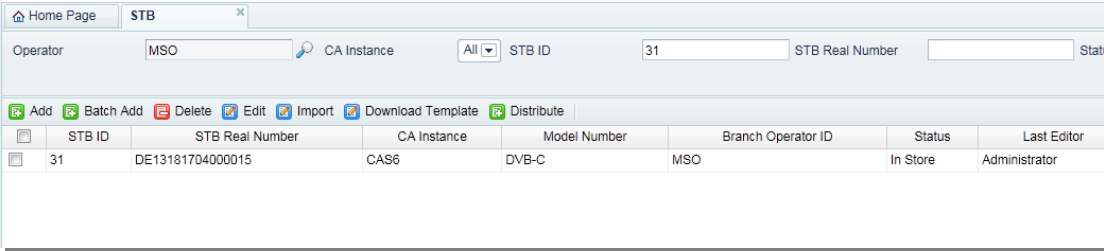
Start ID *STB ID

End ID *STB ID

Provider

Operator *

- Enter the STB "Start/End ID" and click  button to select MSO to distribute STBs. Click "Submit" at last to complete the operation.
- ✧ To check the STB status, user can specify the MSO or input STB ID and click "Search" button.

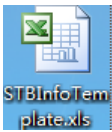


Operator: CA Instance: STB ID: STB Real Number:

STB ID	STB Real Number	CA Instance	Model Number	Branch Operator ID	Status	Last Editor
31	DE13181704000015	CAS6	DVB-C	MSO	In Store	Administrator

**When add STBs in batch, the STB numbers are virtual instead of the 16-digit real numbers.*

- ✧ If users are going to batch add STB with real number, click "Download Template" to edit and then import the template. Picture below shows the template downloaded.



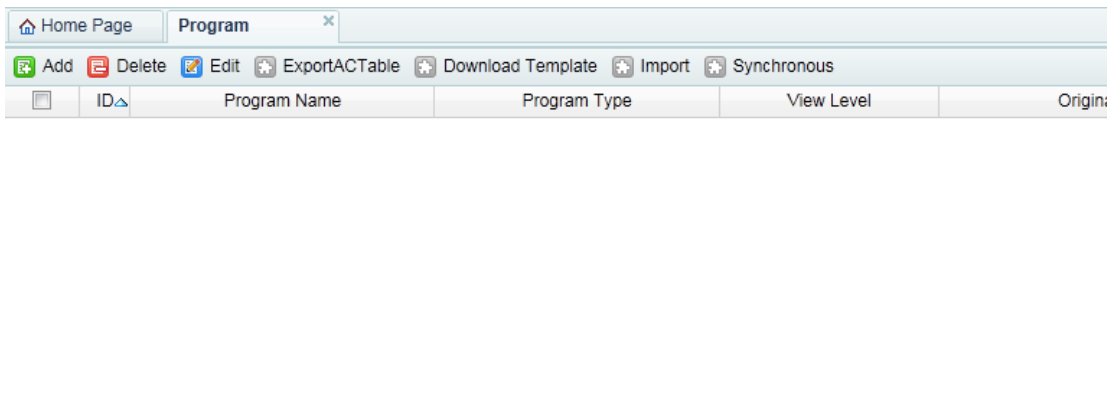
- Open the template file.

A screenshot of an Excel spreadsheet. The title bar shows 'tblname' and 'STB Real Number'. The spreadsheet has columns labeled A through I and rows numbered 1 through 14. Row 1 contains the text 'STB Real Number' in column A. All other cells are empty.

- ✧ User can edit the 16-digit STB numbers by himself or as per the real numbers of STBs ordered by customers.
- After editing the numbers, click "Import" button to import the template.

Program and Product Management

Program



- Click "Add" button to add programs individually.

The screenshot shows a window titled "AddProgram Info" with a "Program Info" section. The form contains the following fields and controls:

- Program ID(Decimalization): Text input field with a red asterisk.
- Program Name: Text input field with a red asterisk.
- Original Network ID(Decimalization): Text input field.
- Transport Stream ID(Decimalization): Text input field with a red asterisk.
- Service ID(Decimalization): Text input field with a red asterisk.
- Program Type: Dropdown menu with "PPC" selected.
- View Level: Dropdown menu with "Level1" selected.
- Submit and Cancel buttons at the bottom right.

- ✧ Program ID: It is suggested to start with “1” and edit successively.
 - ✧ Program Name: Enter the program name here.
 - ✧ Original NetWork ID (decimalization): Enter the original network ID as per the headend multiplexer/modulator.
 - ✧ Transport Stream ID (decimalization): Enter the TS ID as per the headend multiplexer/modulator.
 - ✧ Service ID (decimalization): Enter the program ID as per the headend multiplexer/modulator.
 - ✧ Program Type: User can choose a flat rate system or PPC (Pay Per Click) system. (PPC system is for PPV program.)
 - ✧ View Level: Set a view level to limit the children against some inappropriate programs.
- It shows as below when complete the settings.

AddProgram Info

Program Info

Program ID(Decimalization) *

Program Name *

Original Network ID(Decimalization)

Transport Stream ID(Decimalization) *

Service ID(Decimalization) *



Program Type

View Level



➤ Click "Submit" to complete adding a program.

ID	Program Name	Program Type	View Level	Original Network ID
1	cctv 1	PPC	Level1	1

❖ How to delete a program:

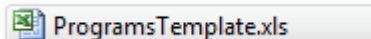
Select the target program and click "Delete" button  on the menu bar or  button behind this program to delete it.

❖ How to modify a program:

Select the target program and click "Edit" button  on the menu bar or  button behind this program to modify it.

❖ How to batch add program:

Click "Download Template" to download the template, complete the edit and import the template. Picture below shows the template file.



- Open the template file.

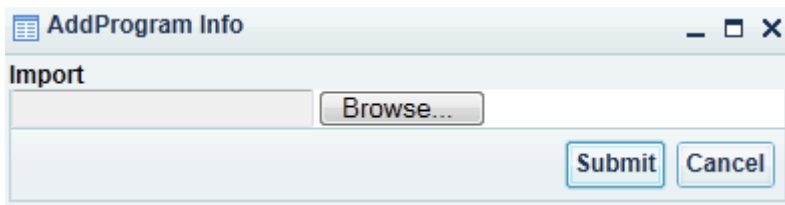
	A	B	C	D	E	F	G	H
1	Program ID	Program Name	Program Type	View Level	Original Network ID	Transport Stream ID	Service ID	
2								
3								
4								
5								
6								
7								
8								
9								

- Edit program.

	A	B	C	D	E	F	G	H
1	Program ID	Program Name	Program Type	View Level	Original Network ID	Transport Stream ID	Service ID	
2	1	cctv 1	0	1	1	1	101	
3	2	cctv 2	0	1	1	1	102	
4	3	cctv 3	0	1	1	1	103	
5	4	cctv 4	0	1	1	1	104	
6	5	cctv 5	0	1	1	1	105	
7	6	cctv 6	0	1	1	1	106	
8	7	cctv 7	0	1	1	1	107	
9	8	cctv 8	0	1	1	1	108	
10	9	cctv 9	0	1	1	1	109	
11	10	cctv 10	0	1	1	1	110	
12	11	cctv 11	0	1	1	1	111	
13	12	cctv 12	1	1	1	1	112	
14								
15								
16								
17								
18								
19								
20								

*Program Type: 0: PPC; 1: PPV.


- Click "Import" and select the edited program file.



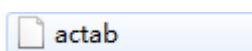
- Click "Submit" button.

ID	Program Name	Program Type	View Level	Original Network ID
1	cctv 1	PPC	Level1	1
2	cctv 2	PPC	Level1	1
3	cctv 3	PPC	Level1	1
4	cctv 4	PPC	Level1	1
5	cctv 5	PPC	Level1	1
6	cctv 6	PPC	Level1	1
7	cctv 7	PPC	Level1	1
8	cctv 8	PPC	Level1	1
9	cctv 9	PPC	Level1	1
10	cctv 10	PPC	Level1	1
11	cctv 11	PPC	Level1	1
12	cctv 12	PPV	Level1	1

✧ “Synchronous” : In case user import programs with CAS disconnected, click

 **Synchronous** button to synchronize after CAS is successfully connected.

✧ “Export AC Table” : After adding programs, export AC table “actab” .



**This file will be applied when the scrambler scrambles programs. Please refer to scrambling instruction for details.*

Product

ID	Product Name	Creator	Created Time
65534	No Scrambled	system	10/11/2014 2:31:20 PM
65535	Data Broadcast	system	10/11/2014 2:31:20 PM

✧ 65534/65535: Products “65534” and “65535” are generated by default. To watch non-encrypted programs successfully, subscribers need to order these two products when the function of non-encrypted programs needs to be authorized to be viewable is enabled in ECMG.

➤ Click “Add” button.

Product Info

Product ID: *

Product Name: *

<input type="checkbox"/>	ID	Program Name	Program Type	Original Network ID	Transport Stream ID	Service ID
<input type="checkbox"/>	1	cctv 1	PPC	1	1	101
<input type="checkbox"/>	2	cctv 2	PPC	1	1	102
<input type="checkbox"/>	3	cctv 3	PPC	1	1	103
<input type="checkbox"/>	4	cctv 4	PPC	1	1	104
<input type="checkbox"/>	5	cctv 5	PPC	1	1	105
<input type="checkbox"/>	6	cctv 6	PPC	1	1	106
<input type="checkbox"/>	7	cctv 7	PPC	1	1	107
<input type="checkbox"/>	8	cctv 8	PPC	1	1	108
<input type="checkbox"/>	9	cctv 9	PPC	1	1	109
<input type="checkbox"/>	10	cctv 10	PPC	1	1	110
<input type="checkbox"/>	11	cctv 11	PPC	1	1	111
<input type="checkbox"/>	12	cctv 12	PPV	1	1	112

Submit Cancel

✧ Product ID: It is required to start from “1” .

✧ Product Name: Name the product like “Basic Bouquet” .



➤ Select the programs to be packed in a product and click “Submit” to confirm.

Home Page Program Product



Add Delete Edit Synchronous

<input type="checkbox"/>	ID	Product Name	Creator	Created Time
<input type="checkbox"/>	1	Basic Bouquet	Administrator	10/17/2014 5:08:28 PM
<input type="checkbox"/>	65534	No Scrambled	system	10/11/2014 2:31:20 PM
<input type="checkbox"/>	65535	Data Broadcast	system	10/11/2014 2:31:20 PM

✧ How to delete a product:

Select the target product and click “Delete” button  on the menu bar or  button behind this product to delete it.

✧ How to modify a product:

Select the target product and click "Edit" button  Edit on the menu bar or  button behind this product to modify it.

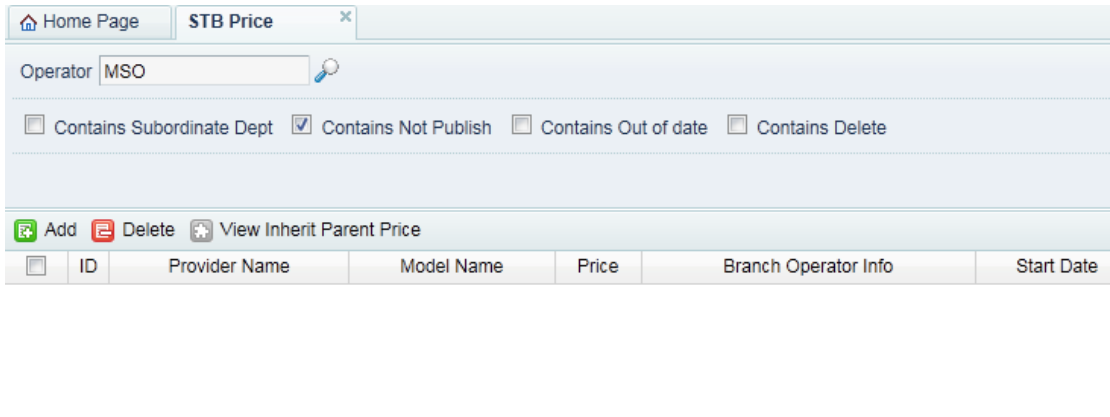
**Products which have been subscribed cannot be deleted but only modified.*

✧ "Synchronous": Click this to synchronize the newly added programs and CAS after normally connecting CAS.

STB Price Management

Price Management

STB Price Management



ID	Provider Name	Model Name	Price	Branch Operator Info	Start Date
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➤ Click "Add" button.

AddPrice

Price

ID: 0

Price: 300 *

Model Name: DVB-C * 🔍

Operator: MSO * 🔍

Start Date: 2014-10-18 * 📅

End Date: 2014-11-01 * 📅

ImmediatelyPublish:

Remark:


Submit Cancel

✧ Price: Enter the STB quotation to subscribers.




✧ Model Name: Click 🔍 button and the window shown as below will pop out.

ID	Model Name	Provider Name	CA	Remark	Operation
2	DVB-C	KK	CAS6		✓
3	DVB-C ca5	dx	CAS5		✓

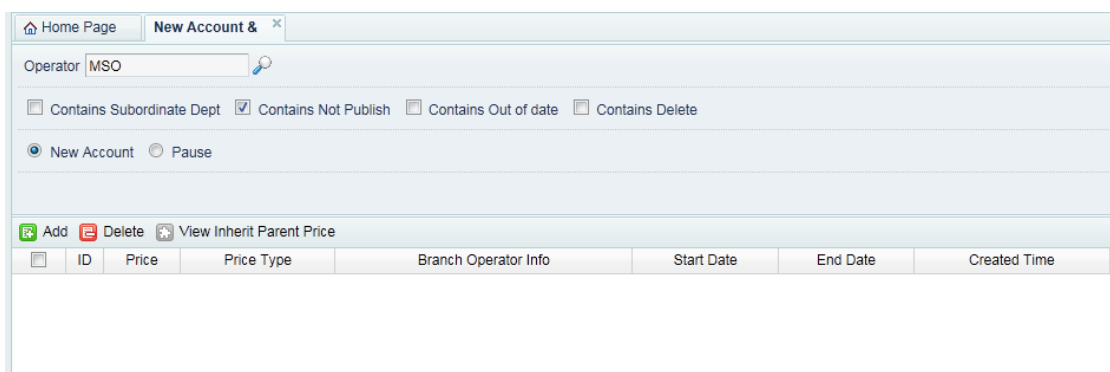
✧ “Model Name” and “Provider Name” are set previously in “STB Provider”. Click ✓ button to select the STB to be quoted.

- ✧ Operator: If there are branch operators, click  button to search and select one. If not, choose “MSO” as the default operator.
 - ✧ Start Date/End Date: Set a period during which the STB price is valid and out of which the price is invalid.
 - ✧ Immediately Publish: Check this option to publish the price, otherwise the price is just defined but not published.
- Click “Submit” to complete the pricing.



- ✧ If the STB price is not published, click  to publish the price. And then the status turns to “Published”.
- ✧ How to delete a price? Select the target option, click  button or  behind the option.

New Account and Pause Price Management



- Click “Add” button.

AddPrice

Price

Price: 200 *

Price Type: New Account

Operator: MSO *

Start Date: 2014-10-18

End Date: 2014-11-18

Immediately Publish:

Remark:

Submit Cancel

- ✧ Price: Enter the price for new account or pausing account.
 - ✧ Price Type: Select the price type.
 - ✧ Operator: If there are branch operators, click button to search and select one. If not, choose “MSO” as the default operator.
 - ✧ Start Date/End Date: Set a period during which the STB price is valid and out of which the price is invalid.
 - ✧ Immediately Publish: Check this option to publish the price, otherwise the price is just defined but not published.
- Click “Submit” to complete the pricing.

Home Page New Account & ...

Operator: MSO

Contains Subordinate Dept Contains Not Publish Contains Out of date Contains Delete

New Account Pause

Search

ID	Price	Price Type	Branch Operator Info	Start Date	End Date	Created Time	Last EditedTime	PublishStatus	Operation
1	200.00	New Account	MSO	10/18/2014 12:00:00 AM	11/18/2014 12:00:00 AM	10/18/2014 9:43:34 AM	10/18/2014 9:49:02 AM	Published	

- ✧ How to delete a price? Select the target option, click button or behind the option.

IC Card Price Management

The screenshot shows a web application window titled "IC Price". At the top, there is a search bar with "MSO" entered. Below the search bar are four checkboxes: "Contains Subordinate Dept" (unchecked), "Contains Not Publish" (checked), "Contains Out of date" (unchecked), and "Contains Delete" (unchecked). Below these are three buttons: "Add" (green), "Delete" (red), and "View Inherit Parent Price" (grey). Below the buttons is a table with the following columns: ID, Provider Name, Model Name, Price, Branch Operator Info, Start Date, End Date, Created Time, and Last Modified. The table is currently empty.


➤ Click "Add" button.


The screenshot shows a dialog box titled "AddPrice". It contains the following fields and controls:



- Price:** A text input field with the value "0".
- Model Name:** A text input field with a search icon and a red asterisk.
- Operator:** A text input field with the value "MSO", a search icon, and a red asterisk.
- Start Date:** A date picker field with the value "2014-10-18", a red asterisk, and a calendar icon.
- End Date:** A date picker field with the value "2014-11-01", a red asterisk, and a calendar icon.
- Immediately Publish:** A checkbox that is currently unchecked.
- Remark:** A text area for entering a remark.

At the bottom right of the dialog box are two buttons: "Submit" and "Cancel".



✧ Price: Enter the IC card price.

✧ Model Name: Click  and a window will pop out as shown below:

ID	Model Name	Provider Name	CA	Remark	Operation
1	IC with cos	dx	CAS6		

- ✧ Model name and provider name here are that set for IC card provider previously. Click  icon to define the IC card to be priced.
 - ✧ Operator: If there are branch operators, click  button to search and select one. If not, choose “MSO” as the default operator.
 - ✧ Start Date/End Date: Set a period during which the STB price is valid and out of which the price is invalid.
 - ✧ Immediately Publish: Check this option to publish the price, otherwise the price is just defined but not published.
- Click “Submit” to complete the pricing.


ID	Provider Name	Model Name	Price	Branch Operator Info	Start Date	End Date	Cr
3	dx	IC with cos	20.00	MSO	10/18/2014 12:00:00 AM	11/1/2014 12:00:00 AM	10/18/2014 4

- ✧ How to delete a price? Select the target option, click  button or  behind the option.

Product Price Management


➤ Click "Add" button.

✧ Price: Enter the product price.

✧ Product Info: Click  and a window will pop out as shown below:

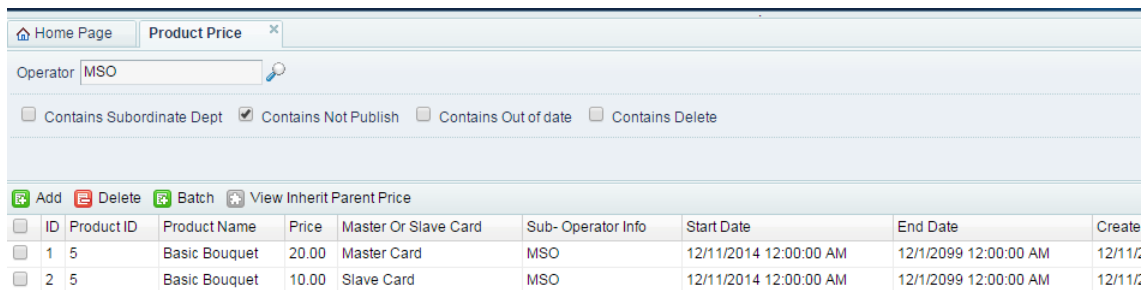
ID	Product Name
1	Basic Bouquet
65534	No Scrambled
65535	Data Broadcast

➤ Double click to select the product.


- ✧ Operator: If there are branch operators, click  button to search and select one. If not, choose “MSO” as the default operator.
- ✧ Start Date/End Date: Set a period during which the STB price is valid and out of which the price is invalid.
- ✧ Immediately Publish: Check this option to publish the price, otherwise the price is just defined but not published.


**If operator is going to apply Master-slave card function, the price should be set respectively for both master and slave card.*

- Click “Submit” to complete the pricing.

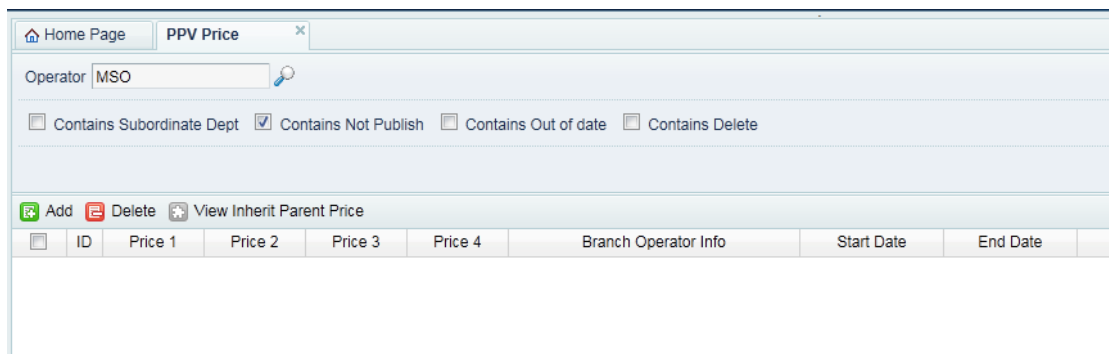


ID	Product ID	Product Name	Price	Master Or Slave Card	Sub- Operator Info	Start Date	End Date	Create
1	5	Basic Bouquet	20.00	Master Card	MSO	12/11/2014 12:00:00 AM	12/11/2099 12:00:00 AM	12/11/2014 12:00:00 AM
2	5	Basic Bouquet	10.00	Slave Card	MSO	12/11/2014 12:00:00 AM	12/11/2099 12:00:00 AM	12/11/2014 12:00:00 AM

- ✧ How to delete a price? Select the target option, click  button or

 behind the option.

PPV Price Management




ID	Price 1	Price 2	Price 3	Price 4	Branch Operator Info	Start Date	End Date
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- Click “Add” button.

The screenshot shows a web application window titled "AddPrice". Inside the window, there is a section labeled "Price" containing the following fields:

- ID: 0
- PPV Account 1st: 0
- PPV Account 2nd: 0
- PPV Account 3rd: 0
- PPV Account 4th: 0
- Operator: MSO
- Start Date: 2014-10-18
- End Date: 2014-10-18
- ImmediatelyPublish:
- Remark: (empty text area)



At the bottom right of the window, there are two buttons: "Submit" and "Cancel".

- ✧ PPV Account 1st/2ed/3rd/4th: User can set 4 different providers in accordance with the 4 e-wallets for the PPV programs. The input price ratio is 1:100, i.e. 10RMB=1000 Points
 - ✧ Operator: If there are branch operators, click  button to search and select one. If not, choose “MSO” as the default operator.
 - ✧ Start Date/End Date: Set a period during which the PPV price is valid and out of which the price is invalid.
 - ✧ Immediately Publish: Check this option to publish the price, otherwise the price is just defined but not published.
- Click “Submit” to complete the pricing.

Web SMS User Manual

The screenshot shows the 'PPV Price' management page. At the top, there is a 'Home Page' link and a search bar for 'Operator' with 'MSO' entered. Below the search bar are four checkboxes: 'Contains Subordinate Dept' (unchecked), 'Contains Not Publish' (checked), 'Contains Out of date' (unchecked), and 'Contains Delete' (unchecked). A toolbar contains 'Add', 'Delete', and 'View Inherit Parent Price' buttons. Below the toolbar is a table with the following data:

ID	Price 1	Price 2	Price 3	Price 4	Branch Operator Info	Start Date	End Date	Creator
1	1.00	2.00	3.00	4.00	MSO	10/18/2014 12:00:00 AM	11/1/2014 12:00:00 AM	10/18/2014

- ✧ How to delete a price? Select the target option, click  button or  behind the option.

Preferential Policy Management

The screenshot shows the 'Preferential' management page. At the top, there is a 'Home Page' link and search bars for 'Operator' (with 'MSO') and 'Customer Type'. Below the search bars are four checkboxes: 'Contains Subordinate Dept' (unchecked), 'Contains Not Publish' (checked), 'Contains Out of date' (unchecked), and 'Contains Delete' (unchecked). A toolbar contains 'Add', 'Edit', and 'View Inherent Preferential' buttons. Below the toolbar is a table with the following headers:

ID	Name	Operator	Customer Type	Start Date	End Date	PublishStatus	Creator
----	------	----------	---------------	------------	----------	---------------	---------

- Click "Add" button.



The screenshot shows the 'Add' dialog for 'Preferential'. It has a title bar 'Add' and a close button. The main area is titled 'Preferential' and contains two sections: 'PreferentialInformation' and 'PreferentialDetails'. The 'PreferentialInformation' section has the following fields:


- ID: 0
- Name: (empty, required)
- Operator: MSO (required)
- Customer Type: (empty, required)
- Start Date: 2014-10-18 (required)
- End Date: 2014-11-18 (required)
- ImmediatelyPublish:
- Remark: (empty text area)


The 'PreferentialDetails' section is a table with the following data:

Operation Type	Discount (Preferential Fee = Original Fee * Discount / 100)
New Account	0% (Please type the discount from 0~100)
OrderCard	0% (Please type the discount from 0~100)
Order STB	0% (Please type the discount from 0~100)
Order Product	0% (Please type the discount from 0~100)
E_Notecase	0% (Please type the discount from 0~100)
Pause	0% (Please type the discount from 0~100)




At the bottom right, there are 'Submit' and 'Cancel' buttons.

- ✧ Name: Enter a preferential policy name lick “New Year Favour” .
- ✧ Operator: If there are branch operators, click  button to search and select one. If not, choose “MSO” as the default operator.
- ✧ Customer Type: Click  button and a window shown as below will pop out.

ID	Customer Type	Belongs Operator	Creator	Operation
1	VIP	MSO	Administrator	

- Click  to select customer type to give preferential policy.
- ✧ Start Date/End Date: Set a period during which the preferential price is valid and out of which the price is invalid.
- ✧ Preferential Details: Set a discount for the preferential services. Set 0% for non-preferential services.
- Click “Submit” to complete the pricing.

ID	Name	Operator	Customer Type	Start Date	End Date	PublishStatus	Creator	Created
1	Discount A	MSO	VIP	10/18/2014 12:00 AM	11/18/2014 12:00 AM	Published	Administrator	10/18/2014 10:1

- ✧ How to delete a price? Select the target option, click  button or  behind the option.
- Click  to view the preferential policies configured.

Web SMS User Manual

ViewPreferentialTactic

Preferential

PreferentialInformation

ID	1	Name	Discount A
Operator	MSO	Customer Type	VIP
Start Date	2014-10-18	End Date	2014-11-18
Remark			

PreferentialDetails

Operation Type	Discount (Preferential Fee = Original Fee * Discount / 100)
New Account	10
OrderCard	20
Order STB	30
Order Product	40
E_Notecase	50
Pause	60
Order Prodcut for Slave Card	0

Cancel

Fee Package Management

Home Page | Fee Package



Operator

Contains Subordinate Dept Contains Not Publish Contains Out of date Contains Delete


Add Delete View Inherent Fee Package

Package Type	Package Name	Branch Operator ID	Customer Type	Start Date	End Date	Fee	Original Fee	Act
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- Click "Add" button.

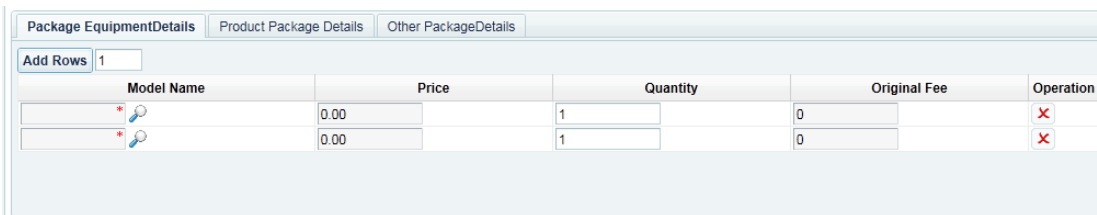
- ✧ Package Type: Select one package type from the two options provided to configure.
- ✧ Operator: If there are branch operators, click  button to search and select one. If not, choose “MSO” as the default operator.
- ✧ Customer Type: Click  button and a window will pop out as below.





ID	Customer Type	Belongs Operator	Creator	Operation
1	VIP	MSO	Administrator	<input checked="" type="checkbox"/>


- Click  to select customer type to provide preferential policy.


**Customer type available here are that added in system setting – customer type manage interface.*




- ✧ Start Date/End Date: Set a period during which the new account package/product package is valid and out of which the package is invalid.
- ✧ Original Fee: It is the normal new-account or product fee set before.
- ✧ Fee: It is the package fee of new-account or product.
- New-account package setting: Select "Package Equipment Details" and click "Add Rows" 



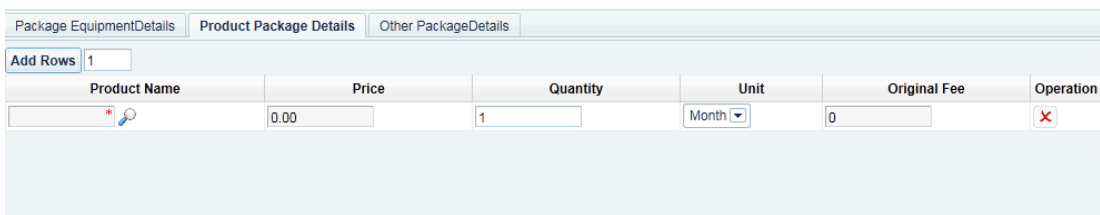
Model Name	Price	Quantity	Original Fee	Operation
 *	0.00	1	0	
 *	0.00	1	0	



- Click  to select IC card and STB respectively, and configure parameters.




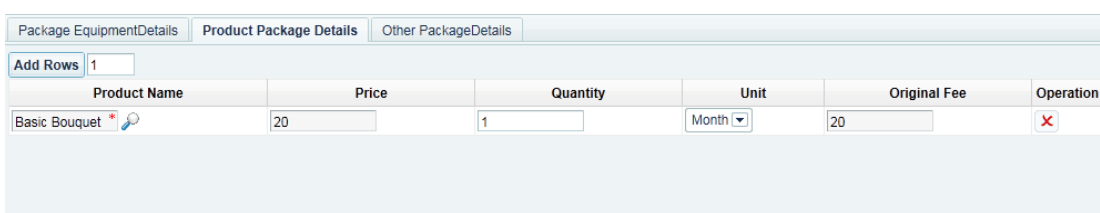
Model Name	Price	Quantity	Original Fee	Operation
IC with cos  *	20	1	20	
DVB-C  *	300	1	300	



- Select "Product Package Details" and click "Add Rows" as per the package quantity.



Product Name	Price	Quantity	Unit	Original Fee	Operation
 *	0.00	1	Month	0	

- Click  button to select product package and set subscribing time (months).



Product Name	Price	Quantity	Unit	Original Fee	Operation
Basic Bouquet  *	20	1	Month	20	

- Select "Other Package Details" and click "Add Rows".

Operation Type	Price	Original Fee	Operation
	0.00	0.00	X

- Click and select "New Account".

Operation Type	Price	Original Fee	Operation
New Account	200	200	X

- ✧ After completing the settings, users can see that this new account package contains one IC card, one STB, one-month subscribing time and original fee \$540. That is to say, it will take \$500 to open a new account on this package.

AddFee Package

Fee Package

Package Type: New Account Package Product Package

Package Name: Package A *

Operator: MSO *

Customer Type: VIP *

Start Date: 2014-10-18 *

End Date: 2014-11-18 *

Original Fee: 540 *

Fee: 500 *

Publish:

Remark:

Package EquipmentDetails | Product Package Details | **Other PackageDetails**

Add Rows: 1

Operation Type	Price	Original Fee	Operation
New Account	200	200	X

Submit Cancel

- Click "Submit" button to complete the new-account package settings.

Web SMS User Manual

Package Type	Package Name	Branch Operator IC	Customer Type	Start Date	End Date	Fee
New Account Package	Package A	MSO	VIP	10/18/2014 12:00:00 AM	11/18/2014 12:00:00 AM	500

- Product Package Setting: Click "Add" button.

Product Name	Price	Quantity	Unit	Original Fee	Operation
--------------	-------	----------	------	--------------	-----------

- Select "Product Package" as the package type as below:

Package Type New Account Package Product Package

- Configure the item listed below and click "Add Rows" and then set the subscribing month.

Fee Package

Package Type: New Account Package Product Package

Package Name: *

Operator: *

Customer Type: *

Start Date: *

End Date: *

Original Fee: *

Fee: *

Publish:

Remark:

Product Package Details

Add Rows:

Product Name	Price	Quantity	Unit	Original Fee	Operation
Basic Bouquet	<input type="text" value="20"/>	<input type="text" value="6"/>	Month	<input type="text" value="120"/>	✖

*Add rows as per the product package quantity.

- ✧ After completing the settings, users can see that this package contains a basic bouquet and non-encrypted product defaulted by the system. In addition, subscribing original fee for 6 months is \$120 and the fee is set \$100 which is the actual fee subscriber needs to pay when renew this package.

Original Fee	<input type="text" value="120"/> *
Fee	<input type="text" value="100"/> *

➤ Click "Submit" to complete the package setting.



Home Page | Fee Package

Operator:

Contains Subordinate Dept Contains Not Publish Contains Out of date Contains Delete

Package Type	Package Name	Branch	Operator ID	Customer Type	Start Date	End Date	Fee	Original Fee	Active	Remark	Creator	Created Time
<input type="checkbox"/> New Account Package	Package A		MSO	VIP	10/18/2014 12:00:00 AM	11/18/2014 12:00:00 AM	500.00	540.00	<input checked="" type="checkbox"/>		admin	10/18/2014 10:54
<input type="checkbox"/> Product Package	Package B		MSO	VIP	10/18/2014 12:00:00 AM	11/18/2014 12:00:00 AM	100.00	120.00	<input checked="" type="checkbox"/>		admin	10/18/2014 11:01

**The package can only be deleted but not edited.*

- ✧ How to delete a package? Select the target package and click  button behind this package.
- ✧ How to have a view of one package? Click  behind this package to view the package details.

ViewFee Package

Fee Package

Package Type	<input checked="" type="radio"/> New Account Package <input type="radio"/> Product	Package Name	<input type="text" value="Package B"/>
Operator	<input type="text" value="MSO"/>	Customer Type	<input type="text" value="VIP"/>
Start Date	<input type="text" value="2014-10-18"/>	End Date	<input type="text" value="2014-11-18"/>
Original Fee	<input type="text" value="0"/>	Fee	<input type="text" value="100.0000"/>
Publish	<input checked="" type="checkbox"/>	Remark	<input type="text"/>

Product Package Details

Add Rows

Product Name	Price	Quantity	Unit	Original Fee	Operation
Basic Bouquet	20.0000	6	Month	120.0000	

Business Manage

Frequently Deal Business

New Account

Home Page
New Account ×


Customer Info

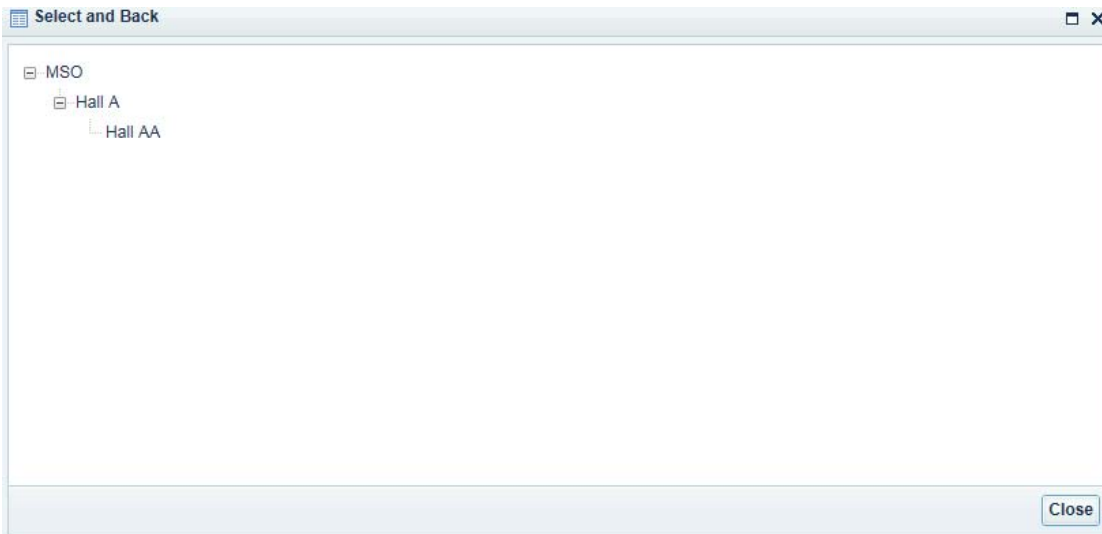
Customer ID	<input type="text"/>
Customer Number	<input style="border-bottom: 1px dashed #ccc;" type="text"/>
Customer Name	<input style="border-bottom: 1px dashed #ccc;" type="text"/> *
Certificate Type	<input type="text" value="Please Select"/> ▾
Certificate Number	<input type="text"/>
Direct Operator	<input style="border-bottom: 1px dashed #ccc;" type="text"/> * 🔍
Customer Type	<input style="border-bottom: 1px dashed #ccc;" type="text"/> * 🔍
Region	<input style="border-bottom: 1px dashed #ccc;" type="text"/> * 🔍
Address	<input type="text"/>
Telephone Number	<input type="text"/>
Mobile Phone Number	<input type="text"/>
Billing Address	<input type="text"/>
Email ID	<input type="text"/>
Subscription Contract Number	<input type="text"/>
Status	<input type="text"/>
Balance	<input type="text" value="0"/> * For transfer the Fee from other place only,not for charge.



New Account Way
 Ordinary Package

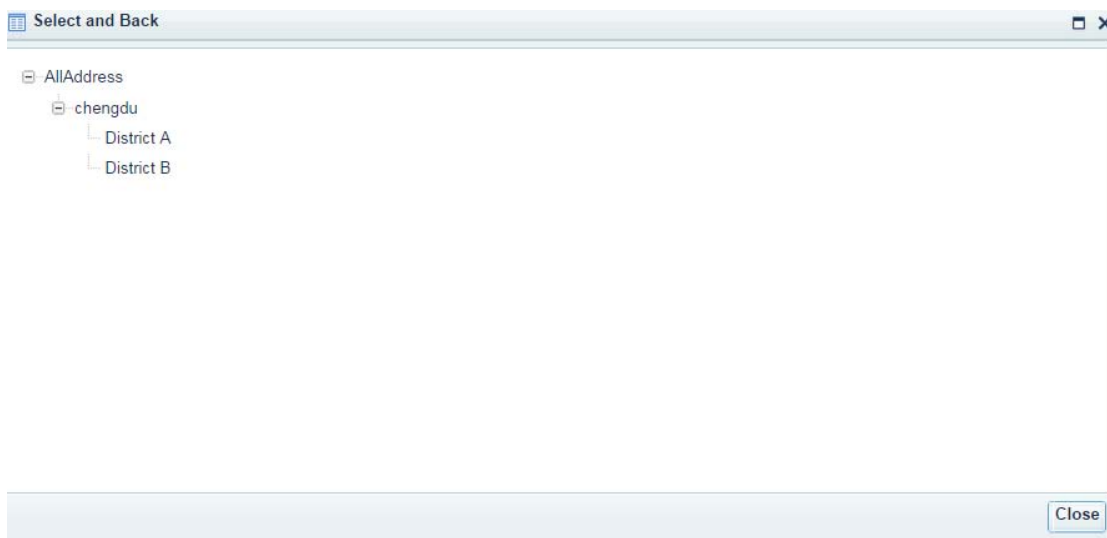
Fee Info

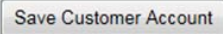
- ✧ Customer Number: User can specify a number manually with English letters, digits and underline. If the number box is left empty, the system will generate a number for the customer automatically.
- ✧ Customer Name: This option is required field.
- ✧ Certificate Type: Optional.
- ✧ Certificate Number: Optional.

- ✧ Direct Operator: Click  button to select the branch hall and double click to confirm as below.



- ✧ Customer Type: Click  button to select.
- ✧ Region: Click  button to select customer location and double click to confirm as below.



- ✧ The rest options are all optional.
- ✧  Save Customer Account: Click this button to save the account information but no to officially open an account.
- ✧ There are “Normal” and “Package” two ways of new account.

New Account Way

Ordinary Package

- ✧ If user selects “Ordinary” as the New Account Way, input customer info in below section and click “New Account” to enter the interface shown as below where to deal the purchase of IC card, STB, products and renewal operation:

Home Page | New Account

Customer ID	<input type="text" value="1"/>
Customer Number	<input type="text" value="1"/> 🔍
Customer Name	<input type="text" value="J"/> *
Certificate Type	<input type="text" value="ID CARD"/> ▼
Certificate Number	<input type="text" value="123456"/>
Direct Operator	<input type="text" value="MSO"/> *
Customer Type	<input type="text" value="Ordinary"/> * 🔍
Region	<input type="text" value="chengdu"/> * 🔍
Address	<input type="text" value="street 1st"/>
Telephone Number	<input type="text"/>
Mobile Phone Number	<input type="text"/>
Billing Address	<input type="text"/>
Email ID	<input type="text"/>
Subscription Contract Number	<input type="text"/>
Status	<input type="text" value="Initied"/>
Balance	<input type="text" value="0"/> * For transfer the Fee from other place only,not for charge.

New Account Way

Ordinary Package

Fee Info

Charging Items	Internal Number	STB Real Number	Product	Price	Quantity	Original Fee	Preferential	Real Fee
New Account	--	--	--	200.0000	1	200.0000	0.0000	200.0000
Total	--	--	--	--	--	200.0000	0.0000	200.0000

Web SMS User Manual

Customer Info

Customer Number: 1 Customer Name: J Customer Type: VIP


Expand/Collapse Customer Detail

Order Info

STB Info

STB ID	STB Real Number	Model Number
--------	-----------------	--------------


Show 20 Item(s), Total 0 Item(s)


- ✧ If user selects “Package” as the New Account Way, input customer info in below section and click  button to select a package.

New Account Way

Ordinary Package

Fee Info

Package No	Branch Operat	Customer T	Start Date	End Date	Fee	Original f	Balanc	Fee Mo	Activi	Remar	Operatio
<input type="checkbox"/> Package A	MSO	VIP	10/18/2014 12:00:0	11/18/2014 12:00:0	500.0	540.00	0.00	Order	<input checked="" type="checkbox"/>		

- Click  button to confirm the selection and then enter below interface.

Customer Name: J

Certificate Type: ID CARD

Certificate Number: 123456789

Direct Operator: MSO

Customer Type: VIP

Region: chengdu

Address: street 2nd

Telephone Number:

Mobile Phone Number:

Billing Address:

Email ID:

Subscription Contract Number:

Status:

Balance: 0 * For transfer the Fee from other place only, not for charge.

New Account Way

Ordinary Package Select Package: Package A

Fee Info

Package Name	Package A	Original Fee	540.0000
Real Fee	500.0000	Balance	0.0000

Package Need Quantity Of IC:[IC with cos:1]

➤ Click "Select IC to order" button.

Internal Number: External Number:

CA Instance: All

<input type="checkbox"/>	Internal Number	External Number	Model Number	CA Instance	Operator	Original Fee	Preferential	Real Fee	Status	Operation
<input type="checkbox"/>	50211	8002888000502111	IC with cos	CAS6	MSO	20.0000	4.00000	16.00000	INACTIVE	✓
<input type="checkbox"/>	50212	8002888000502129	IC with cos	CAS6	MSO	20.0000	4.00000	16.00000	INACTIVE	✓
<input type="checkbox"/>	50213	8002888000502137	IC with cos	CAS6	MSO	20.0000	4.00000	16.00000	INACTIVE	✓
<input type="checkbox"/>	50214	8002888000502145	IC with cos	CAS6	MSO	20.0000	4.00000	16.00000	INACTIVE	✓
<input type="checkbox"/>	50215	8002888000502152	IC with cos	CAS6	MSO	20.0000	4.00000	16.00000	INACTIVE	✓
<input type="checkbox"/>	50216	8002888000502160	IC with cos	CAS6	MSO	20.0000	4.00000	16.00000	INACTIVE	✓
<input type="checkbox"/>	50217	8002888000502178	IC with cos	CAS6	MSO	20.0000	4.00000	16.00000	INACTIVE	✓
<input type="checkbox"/>	50218	8002888000502186	IC with cos	CAS6	MSO	20.0000	4.00000	16.00000	INACTIVE	✓
<input type="checkbox"/>	50219	8002888000502194	IC with cos	CAS6	MSO	20.0000	4.00000	16.00000	INACTIVE	✓
<input type="checkbox"/>	50220	8002888000502202	IC with cos	CAS6	MSO	20.0000	4.00000	16.00000	INACTIVE	✓
<input type="checkbox"/>	50221	8002888000502210	IC with cos	CAS6	MSO	20.0000	4.00000	16.00000	INACTIVE	✓
<input type="checkbox"/>	50222	8002888000502228	IC with cos	CAS6	MSO	20.0000	4.00000	16.00000	INACTIVE	✓

➤ Select the IC card to order and click button or "Select and Back" to confirm.

❖ Operate in the same way to select the STB to order.

Web SMS User Manual

- For new account, user can manually set the start date. Otherwise the system will default the current day as the start date.

<input checked="" type="checkbox"/> Self Define Start	Start Date	<input type="text" value="2014-10-18"/>	Package ID	<input type="text" value="1"/>
Date				

- After completing the settings, click "New Account" button to enter the interface shown as below where to deal the purchase of IC card, STB, products and renewal operation:





The screenshot displays the 'New Account' page with the following sections:


- Customer Info:** Customer Number: 2, Customer Name: K, Customer Type: VIF. Includes an 'Expand/Collapse Customer Detail' button.
- Order Info:** A section header.
- STB Info:** A table with columns: STB ID, STB Real Number, Model Number. Data row: 11, DE13181704000001, DVB-C.
- IC Card Info:** A table with columns: Internal Number, External Number, Master Card(Internal Number), Model Number, CA Instance, Operator, Status, Current. Data row: 50211, 8002888000502111, --, IC with cos, CAS6, MSO, ACTIVATED, Order.
- Product Info:** A table with columns: Internal Number, External Number, Package Name, Product ID, Product Name, Start Date, End Date. Data row: 50211, 8002888000502111, Package A, 1, Basic Bouquet, 10/18/2014 12:00:00 AM, 11/18/2014 12:00:00 AM.

- Click "Charge" button to charge fees.

Customer Info Management


This module is to view and edit the information of saved or new account customers.

Home Page	New Account	Customer
Customer ID	<input type="text"/>	
Customer Number	<input type="text"/>	
Customer Name	<input type="text"/>	*
Certificate Type	<input type="text" value="Please Select"/>	▼
Certificate Number	<input type="text"/>	
Direct Operator	<input type="text"/>	* 
Customer Type	<input type="text"/>	* 
Region	<input type="text"/>	* 
Address	<input type="text"/>	
Telephone Number	<input type="text"/>	
Mobile Phone Number	<input type="text"/>	
Billing Address	<input type="text"/>	
Email ID	<input type="text"/>	
Subscription Contract Number	<input type="text"/>	
Status	<input type="text"/>	

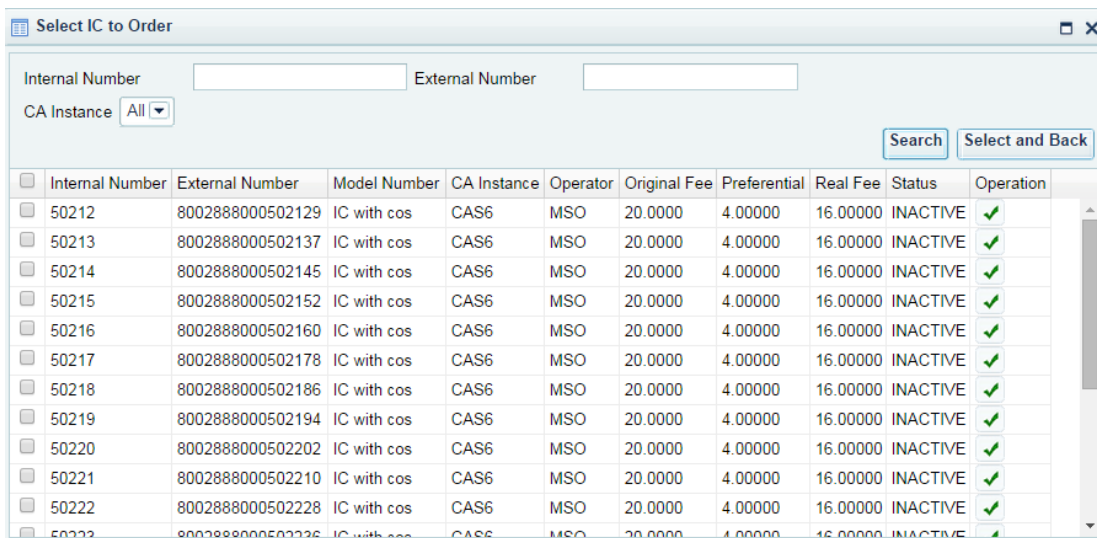
✧ Customer Number: Click  button to select the customer to be edited.

➤ Click "Submit" after completing the editing to submit the new info.

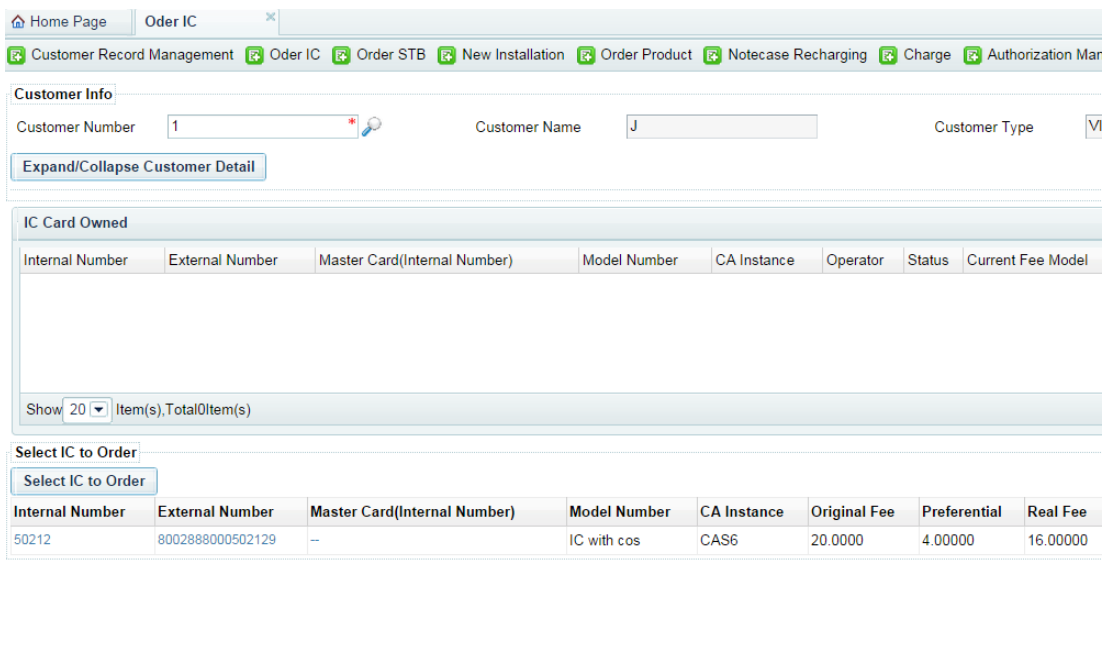
Order IC Card

✧ Customer Number: Click  button to select the customer with account opened.

➤ Select a customer and click "Select IC to Order".



➤ Select IC card to be ordered and click "Submit" to confirm.



➤ After completing the order, click "Charge" button to collect fees.

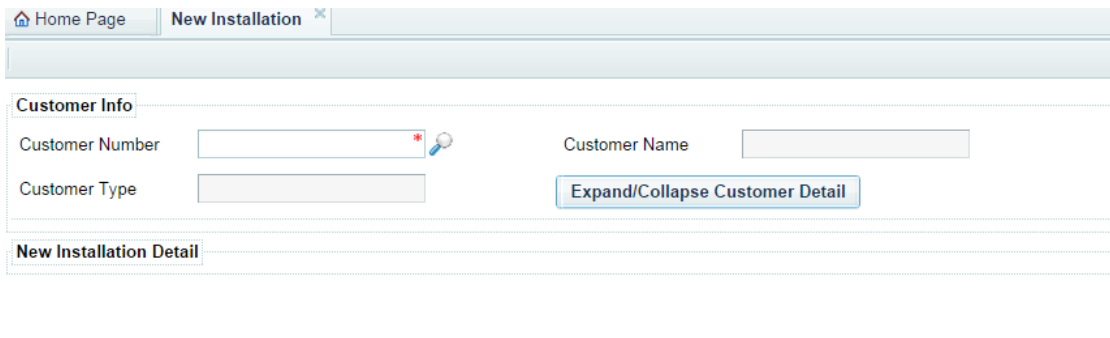
Order STB

**The operation of STB order is the same with that of IC card.*

New Installation

New installation fee refers to that collected from those customers who order one more set STB while they have already had STB and IC card installed, and need on-site

installation. The hall staff needs to check this option when they charge this new installation fee.

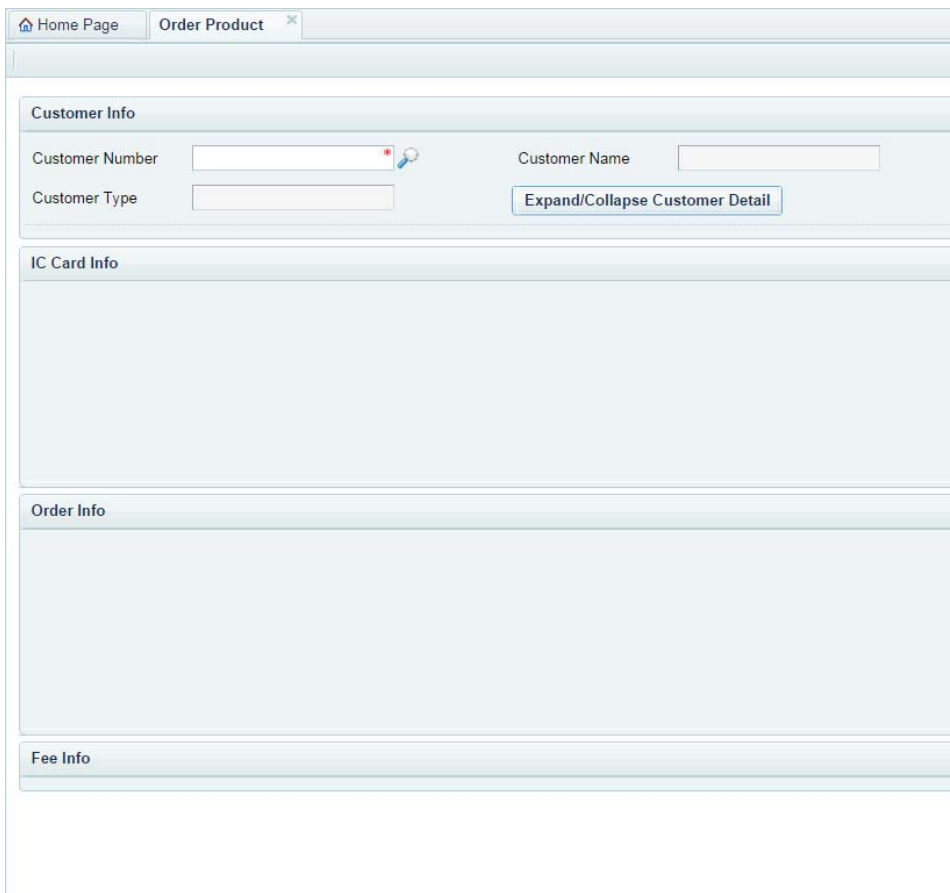


The screenshot shows a web browser window with two tabs: 'Home Page' and 'New Installation'. The 'New Installation' tab is active. The page contains a form with the following sections:

- Customer Info:** This section includes three input fields: 'Customer Number' (with a search icon and a red asterisk), 'Customer Name', and 'Customer Type'. A button labeled 'Expand/Collapse Customer Detail' is located to the right of the 'Customer Type' field.
- New Installation Detail:** This section is currently empty.


Order Product

There are two order types: “Normal” and “Package”.



The screenshot shows a web browser window with two tabs: 'Home Page' and 'Order Product'. The 'Order Product' tab is active. The page contains a form with the following sections:

- Customer Info:** This section includes three input fields: 'Customer Number' (with a search icon and a red asterisk), 'Customer Name', and 'Customer Type'. A button labeled 'Expand/Collapse Customer Detail' is located to the right of the 'Customer Type' field.
- IC Card Info:** This section is currently empty.
- Order Info:** This section is currently empty.
- Fee Info:** This section is currently empty.

- Customer Number: Click  button to select the customer with account opened.

Web SMS User Manual

Customer Info

Customer Number: 2 Customer Name: K
 Customer Type: VIP [Expand/Collapse Customer Detail](#)

IC Card Info

<input type="checkbox"/>	Internal Number	External Number	Master Card(Internal Number)	Model Number	CA Instance	Operator	Status	Current Fee Model	Next f
<input type="checkbox"/>	50211	8002888000502111	--	IC with cos	CAS6	MSO	ACTIVATED	Order	Order

Show 20 Item(s). Total 1 Item(s) [First](#) [Previous](#) 1 [Next](#) [Last](#) 1

Order Info

Self Define Start Normal Package Ordered Months: 1

<input type="checkbox"/>	Date	Product ID	Product Name
<input type="checkbox"/>		1	Basic Bouquet
<input type="checkbox"/>		65534	No Scrambled
<input type="checkbox"/>		65535	Data Broadcast

Fee Info

[Calculate Fee](#) [Submit](#) [Cancel](#)

- Select the IC card, products and month length to be ordered.
- Click "Calculate Fee" button to view the fee amount to be charged.

Order Info

Self Define Start Normal Package Ordered Months: 5

<input type="checkbox"/>	Date	Product ID	Product Name
<input checked="" type="checkbox"/>		1	Basic Bouquet
<input type="checkbox"/>		65534	No Scrambled
<input type="checkbox"/>		65535	Data Broadcast

Fee Info

Charging Items	Internal Number	STB Real Number	Product	Price	Quantity	Original Fee	Preferential	Real Fee
[1]-[Basic Bouquet]	50211	--	Basic Bouquet	20.0000	5	100.0000	40.0000	60.0000
Total	--	--	--	--	--	100.0000	40.0000	60.0000

- Click "Submit" at last to complete the "Normal" product order.
- When ordering "Package" product, user needs to select the customer who is going to order product and then select his IC card.

Order Info

Self Define Start Normal Package Select Package

Date

➤ Click  button.

Lookup

<input type="checkbox"/>	Package No	Branch Operat	Customer T	Start Date	End Date	Fee	Original f	Balanc	Fee Mo	Activ	Remar	Operatio
<input type="checkbox"/>	Package B	MSO	VIP	10/18/2014 12:00:00	11/18/2014 12:00:00	100.0	120.00	0.00	Order	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>


➤ Select package to be ordered and click “Calculate Fee” button to view the fees to be charged. Click “Submit” button at last to complete the order.

**After completing the order settings, do remember to click "Charge" button to charge fees.*

Unsubscribe Product

Home Page UnsubscribeProduct

Customer Info


Customer Number  Customer Name

Customer Type

IC Card Info

Order Info

Fee Info

➤ Customer Number: Click  to select the corresponding customer, IC card and products.

Web SMS User Manual

Home Page | UnsubscribeProduct

Customer Record Management | Order IC | Order STB | New Installation | Order Product | Notecase Recharging | Charge

Customer Info

Customer Number: 1
Customer Name: J
Customer Type: VIP
Expand/Collapse Customer Detail

IC Card Info

Internal Num	External Number	Master Card(Internal Num)	Model Num	CA Instan	Operato	Status	Current Fee Mo	Next Fee Mo	View Product Ord
50212	800288800050212	-	IC with cos	CAS6	MSO	ACTIVATE	Order	Order	

Show 20 Item(s), Total 1 Item(s) | First | Previous 1 Next | Last | 1

Order Info

Internal Number	External Number	Product ID	Product Name	Start Date	End Date	Created Time
50212	8002888000502129	1	Basic Bouquet	10/18/2014 12:00:00 AM	4/18/2015 12:00:00 AM	10/18/2014 2:32:28 PM

Fee Info

Calculate Fee | Submit | Cancel

- Select the product to be unsubscribed and click "Calculate" to view the amount should be refunded, and click "Submit" at last to complete the unsubscribing operation.

** After completing the unsubscribing settings, do remember to click "Charge" button to refund fees.*

PPV Account Recharging

Home Page | Notecase


Customer Info

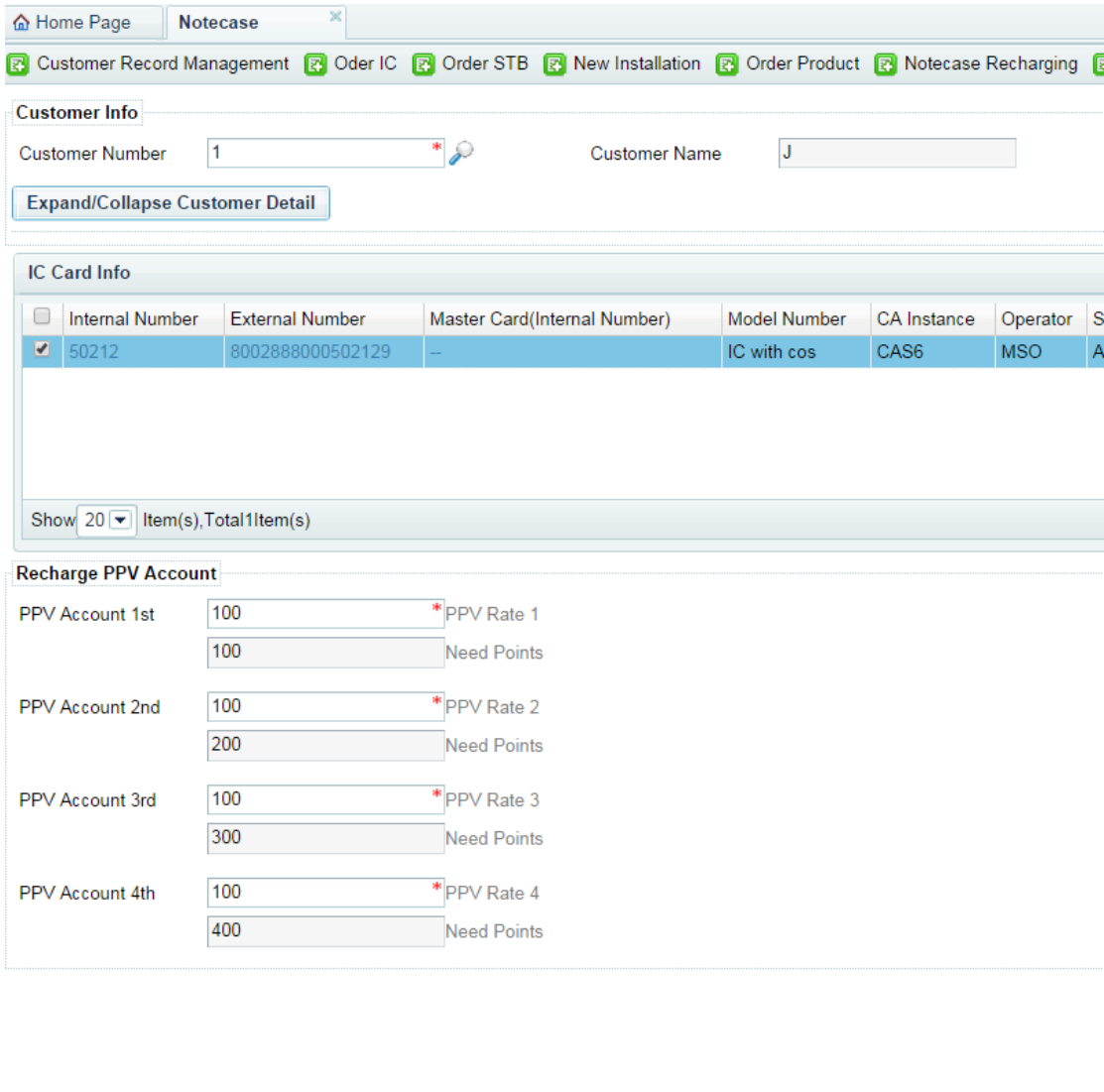
Customer Number:
Customer Name:
Expand/Collapse Customer Detail

IC Card Info

Internal Number	External Number	Master Card(Internal Number)	Model Number	CA Instance	Op
-----------------	-----------------	------------------------------	--------------	-------------	----

Show 20 Item(s), Total 0 Item(s)

- Customer Number: Click  to select the corresponding customer, IC card and enter the renew amount for the corresponding account.



The screenshot shows a web browser window with the title 'Notecase'. The navigation bar includes links for 'Home Page', 'Customer Record Management', 'Oder IC', 'Order STB', 'New Installation', 'Order Product', and 'Notecase Recharging'. The main content area is divided into several sections:

- Customer Info:** Contains input fields for 'Customer Number' (value: 1) and 'Customer Name' (value: J). A magnifying glass icon is next to the Customer Number field. Below this is a button labeled 'Expand/Collapse Customer Detail'.
- IC Card Info:** A table with columns: Internal Number, External Number, Master Card(Internal Number), Model Number, CA Instance, Operator, and S. The first row is selected and contains: 50212, 8002888000502129, -, IC with cos, CAS6, MSO, and A.
- Recharge PPV Account:** A section with four rows, each representing a different PPV account. Each row has two input fields: one for the account number and one for the 'Need Points' value. The 'PPV Rate' is indicated to the right of each row.

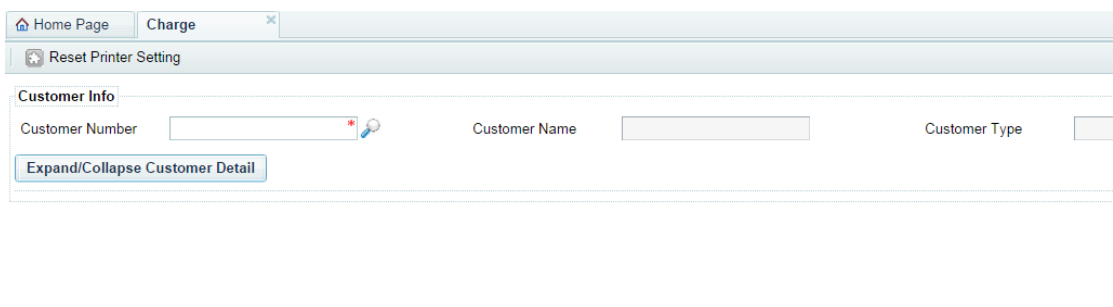
Internal Number	External Number	Master Card(Internal Number)	Model Number	CA Instance	Operator	S
<input checked="" type="checkbox"/>	50212	8002888000502129	-	IC with cos	CAS6	MSO

At the bottom of the IC Card Info section, there is a 'Show' dropdown menu set to '20' and the text 'Item(s), Total 1Item(s)'.

- After completing the settings, click "Submit" button to confirm.


**The fees are not refundable.*

Charge Operation




The screenshot shows a web browser window with the title 'Charge'. The navigation bar includes links for 'Home Page' and 'Reset Printer Setting'. The main content area is divided into sections:

- Customer Info:** Contains input fields for 'Customer Number', 'Customer Name', and 'Customer Type'. A magnifying glass icon is next to the Customer Number field. Below this is a button labeled 'Expand/Collapse Customer Detail'.

- Customer Number: Click  to select the customer to be charged.

- After completing the settings, click "OK" to confirm the charge.

Charge Exception Handle

- Click  to select the customer with exception charge and click "Details" to view the details.

- If there is wrong charge (For example, user charges the customer extra fees caused by wrong Fee operation.), click "Handle" to refund.

Exception Handle Fee Detail
□ ×

Exception Handle Fee Detail

Customer Number:

Customer Name:

Operation Type:

Remark:

Amount:

Charging Time:

Charging User:

Handle Way

Refund

- Click "OK" and enter "Charge" to refund fees.

Authorization Management

Home Page
Authorization ×

Customer Info

Customer Number:

Customer Name:

Customer Type:

IC Card Info

<input type="checkbox"/>	Internal Number	External Number	Master Card(Internal Number)	Model Number	CA Instance	Operator	Status	Current Fee Model	Next
<input checked="" type="checkbox"/>	50212	8002888000502129	--	IC with cos	CAS6	MSO	ACTIVATED	Order	Orde

Show Item(s), Total 1 Item(s)

- Customer Number: Click to select the customer to provide or cancel authorization, and select the corresponding IC card.

Home Page | Authorization

Customer Info

Customer Number: 1 Customer Name: J Customer Type:

IC Card Info

<input type="checkbox"/>	Internal Number	External Number	Master Card(Internal Number)	Model Number	CA Instance	Operator	Status	Current Fee Mo
<input checked="" type="checkbox"/>	50212	8002888000502129	--	IC with cos	CAS6	MSO	ACTIVATED	Order

Show 20 Item(s), Total 1 Item(s)

- Click "Authorize" to effect the authorization.
- Click "Unauthorize" to cancel the authorization.

Fingerprint Management

Home Page | Fingerprint

Fingerprint Info-Operation

Start IC Internal Number: 0

End IC Internal Number: 0

Is Display:

Provider: IC with cos

Operator:

- ✧ Start/End IC Internal Number: Define the IC cards which need to display fingerprint by enter the start and end number.
- ✧ Is Display: Check this option to enable to display fingerprint, but not vice versa.
- ✧ Operator: If there are branch operators, click button to search and select one. If not, choose "MSO" as the default operator.

Home Page | Fingerprint

Fingerprint Info-Operation

Start IC Internal Number: 1 *

End IC Internal Number: 1000 *

Is Display:

Provider: IC with cos ▾

Operator: MSO *

- Click "Submit" to confirm, then IC cards from 1-1000 will display fingerprint.

Area Lock

Home Page | Area Lock

Area Lock-Operation

Start IC Internal Number: 0 *

End IC Internal Number: 0 *

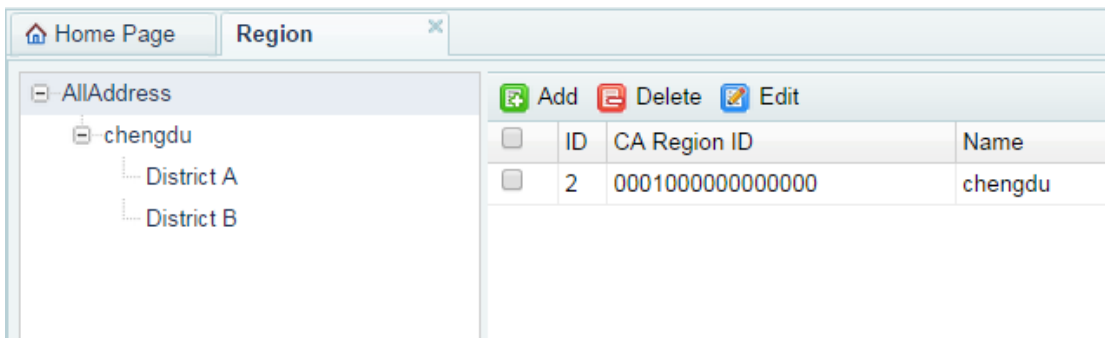
Is Lock:

Provider: IC with cos ▾

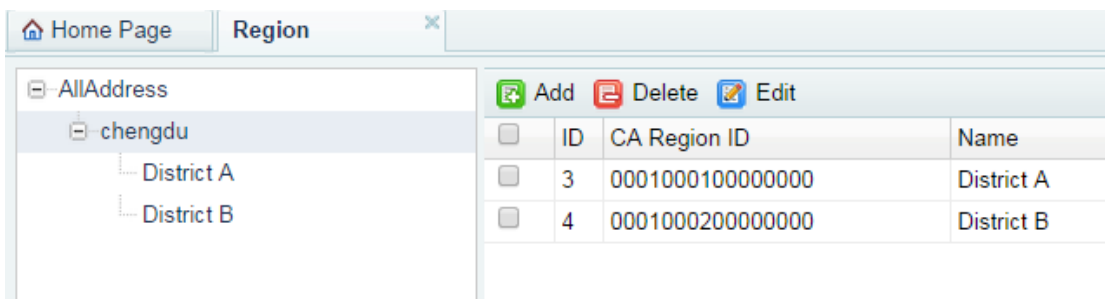
Operator: *

- Set the options displayed in the window
- Click "Submit" to confirm and the IC cards defined here to be area locked. The area must be correctly set when ordering card. Otherwise, it will prompt "Area is incorrect".

*The upper-level area contains the lower-level area, for example:



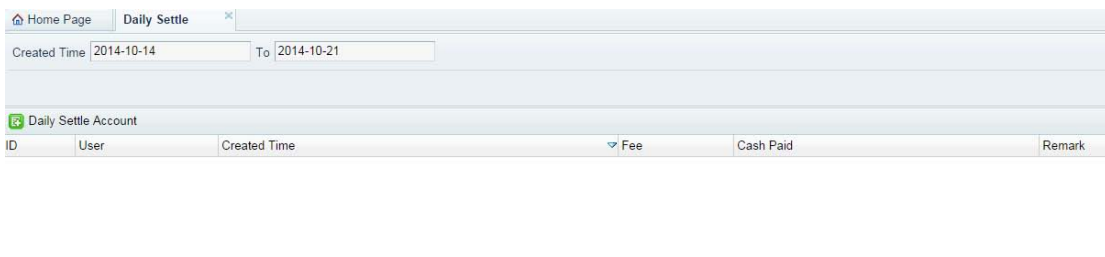
The area code of “Chengdu” is “01 00 00 00 00 00 00”, while “District A” and “District B” are “01 00 01 00 00 00 00” and “01 00 02 00 00 00 00”.



In head-end equipment, the area control code set in NIT is “chengdu”. When subscribers order card, it is workable to choose “District A” or “District B”.

Daily Settle Account

✧ Users can settle accounts with this function.



➤ Click “Daily Settle Account”.

ID	Customer	Fee	Cash Paid
1	J	268.0000	268.0000
2	K	600.0000	600.0000
3	J	200.0000	200.0000

➤ Click "Submit" to complete the account settle.

* "Daily Settle" is to settle the account from last-time settle to this settle.

➤ Enter time as below:

Created Time To

➤ Click "Search" to view the settle details during this period.

ID	User	Created Time	Fee	Cash Paid
2	Administrator	10/20/2014 11:19:17 AM	1068.000000	1068.000000

Balance Recharging

Enter the amount and submit

Web SMS User Manual

Home Page Balance

Customer Info Management Oder IC Order STB Order Product PPV Account Recharging Balance Recharge Charge Operation

Customer Info

Customer Number 1 Customer Name J

Customer Type Ordinary Expand/Collapse Customer Detail

Recharge

Amount 0 Remark

Submit Cancel

Batch Order Product

Step 1 Search many IC Cards

Step 2 Order Product for the IC Cards searched.

Home Page Batch Order

Customer Info Management Oder IC Order STB Order Product PPV Account Recharging Balance Recharge Charge Operation

Search Condition

Operator MSO Region Customer Type

Contains Subordinate Contains Subordinate

Start IC Internal 0 End IC Internal 0

Order Info

Self Define Start Date Ordered Months 6

Select Product Renew

Remark

	Product ID	Product Name
<input type="checkbox"/>	1	Basic Bouquet
<input type="checkbox"/>	65534	No Scrambled
<input type="checkbox"/>	65535	Data Broadcast

Submit Cancel

Charge for Batch Order

Click button "Charge" to Charge for the batch

Home Page Batch Order

Batch ID Only Current User

Start Date End Date

Pay By Balance

Batch ID	Remark	Total	Count Paid	Count Not Paid	Total Amount	Amount Paid	Amount Not Paid	Operate Time
1		2	0	2	644.0000	0	644.0000	12/12/2014 2:46:27 PM

Other Business Management

Stop & Resume

Home Page Stop & Resume

Customer Info

Customer Number Customer Name

Customer Type

ICCard

<input type="checkbox"/>	Internal Numbe	External Numbe	Master Card(Internal Numbe	Model Numbe	CA Instanc	Operato	Statu	Current Fee Mod	Next Fee Mod	View Product Ordere

Show Item(s), Total 0 Item(s)

- Customer Number: Click to select the customer who is going to stop or resume the service, and click his IC card. Click "Pause" to stop or "Resume" to resume the service.

Web SMS User Manual

Home Page Stop & Resume

Customer Record Management Oder IC Order STB New Installation Order Product Notecase Recharging Charge

Customer Info

Customer Number 1 Customer Name J

Customer Type VIP Expand/Collapse Customer Detail

ICCard

Internal Numb	External Number	Master Card (Internal Num)	Model Numb	CA Instanc	Operatc	Status	Current Fee Mo	Next Fee Mo	View Product Order
50212	800288800050212	--	IC with cos	CAS6	MSO	ACTIVATE	Order	Order	

Show 20 Item(s), Total 1 Item(s) First Previous 1 Next Last 1

Pause Resume

Device Exchange

Home Page Change

Customer Info

Customer Number Customer Name

Customer Type Expand/Collapse Customer Detail

Equipment Type

ICCard STB

Change IC

Original IC Internal Number External Number

New IC

Change Way

Standard



Submit Cancel

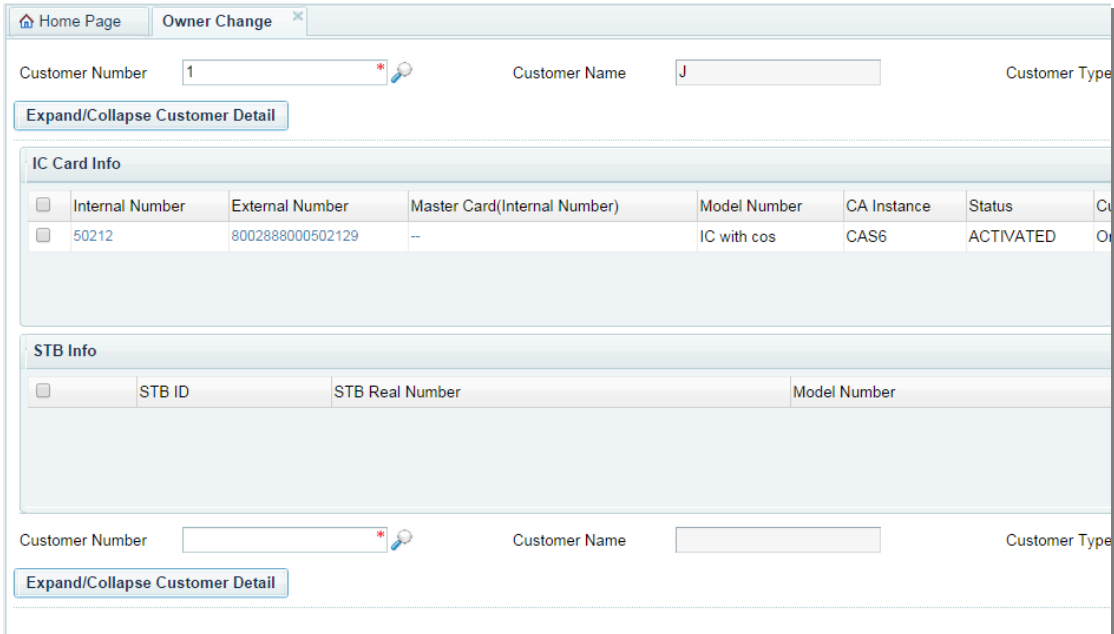
- Customer Number: Click to select the customer who is going to change device, and complete the below options accordingly.

➤ Click "Submit" button to complete the settings.

**Change Way: "Standard" is to charge normally while "Free in Guarantee" is to change without charging any fees.*

Owner Change

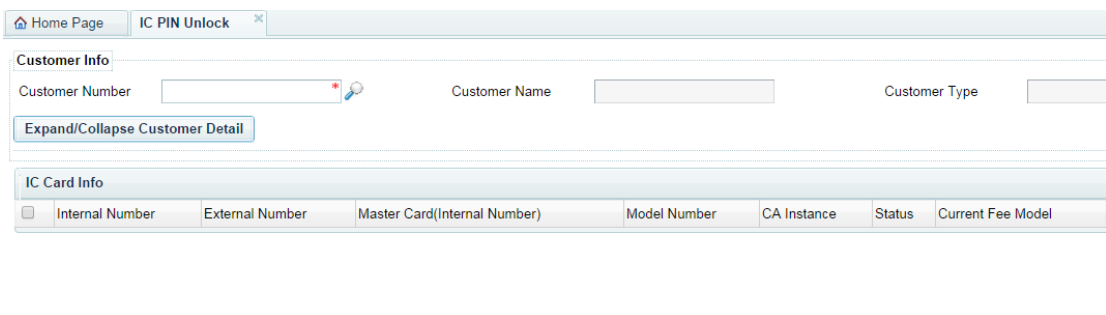
- Customer Number: Click  to select the customer going to change the IC card and STB ownership, and select the target customer in the bottom section by clicking  button.




Internal Number	External Number	Master Card (Internal Number)	Model Number	CA Instance	Status	Current Fee Model
50212	8002888000502129	--	IC with cos	CAS6	ACTIVATED	On

- Click “Submit” button to complete the changing.

IC PIN Unlock



Internal Number	External Number	Master Card (Internal Number)	Model Number	CA Instance	Status	Current Fee Model
-----------------	-----------------	-------------------------------	--------------	-------------	--------	-------------------

- Click  to select customer going to unlock IC PIN code, and select the IC card.

Web SMS User Manual

Internal Number	External Number	Master Card(Internal Number)	Model Number	CA Instance	Status	Current Fee Model	Next Fee Model	View Product Ordered
50212	8002888000502129	--	IC with cos	CAS6	ACTIVATED	Order	Order	

- Click “Submit” to complete the IC PIN unlock.

IC STB Pairing


Internal Number	External Number	Master Card(Internal Number)	Model Number	CA Instance	Operator	Status	Current Fee Mode	Next Fee Mode	View Product Ordered
-----------------	-----------------	------------------------------	--------------	-------------	----------	--------	------------------	---------------	----------------------

- Click to select customer going to pair IC card and STB, and select the IC card.


Web SMS User Manual

Home Page | IC STB Pairing

Customer Info

Customer Number:  Customer Name:
Customer Type: [Expand/Collapse Customer Detail](#)

IC Card Info


Internal Number	External Number	Master Card/Internal Number	Model Number	CA Instance	Operate	Status	Current Fee Mod	Next Fee Mod	View Product Order
50212	800288800050212	--	IC with cos	CAS6	MSO	ACT/VATE	Order	Order	

Show 20 Item(s), Total 1 Item(s) | First | Previous 1 Next | Last | 1

IC Card Info

Internal Number: External Number:

Paired STB

STB ID:  STB Real Number:


[Pairing](#) [Cancel Pairing](#)

- Click “Pairing” to complete the IC & STB pairing, or click “Cancel Pairing” to cancel, or click “Re-Pairing” to re-pair.

Master Card and Slave Card Setting

Home Page | Master Slave

Customer Info


Customer Number:  Customer Name:
Customer Type: [Expand/Collapse Customer Detail](#)

IC Card Info



<input type="checkbox"/>	Internal Number	External Number	Master Card/Internal Number	Model Number	CA Instance	Operate	Status	Current Fee Mod	Next Fee Mod	View Product Order
--------------------------	-----------------	-----------------	-----------------------------	--------------	-------------	---------	--------	-----------------	--------------	--------------------

Show 20 Item(s), Total 0 Item(s) | First | Previous Next | Last | 0

Master Card Setting

Internal Number:  External Number:

[Submit](#)

- Customer Number: Click  to select the customer need set master and slave cards and select Master card in the bottom section by clicking  button.

Master Card Setting
Internal Number External Number

- Select the slave card in “IC Card Info” section.

Home Page Master Slave

Customer Info
Customer Number Customer Name
Customer Type [Expand/Collapse Customer Detail](#)

IC Card Info

<input type="checkbox"/>	Internal Num	External Number	Master Card(Internal Nu	Model Num	CA Instar	Operate	Status	Current Fee IV	Next Fee M	View Product On
<input checked="" type="checkbox"/>	50212	800288800050212	--	IC with cos	CAS6	MSO	ACTIVATE	Order	Order	

Show 20 Item(s), Total 1 Item(s) | First Previous 1 Next Last | 1

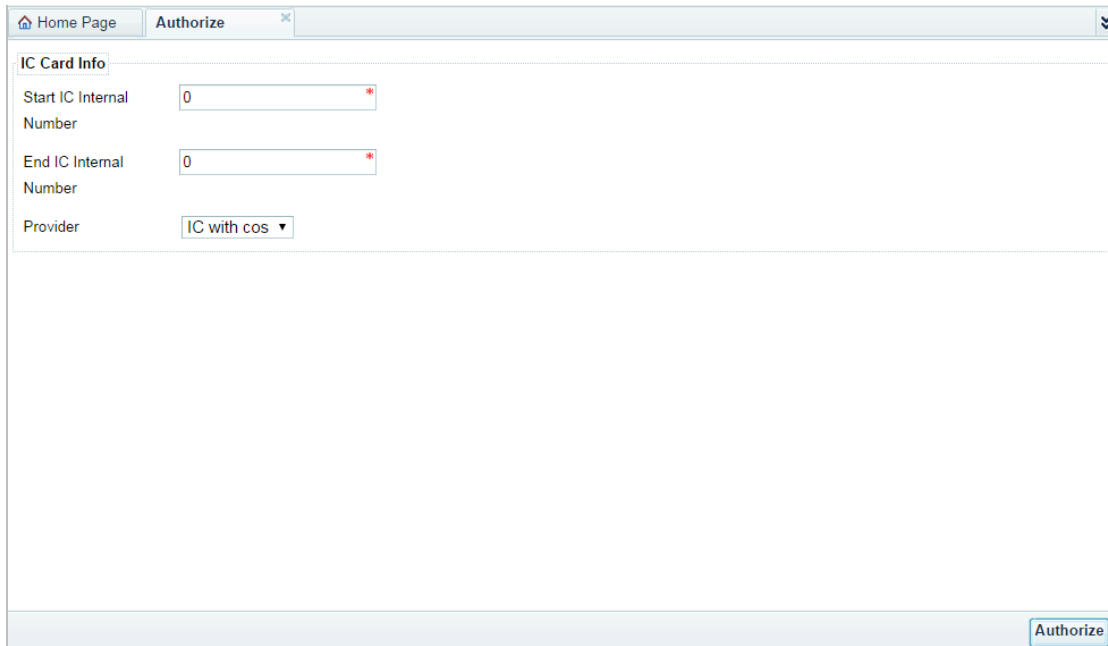
Master Card Setting
Internal Number External Number

[Submit](#)

- Click “Submit” to confirm after completing the settings.

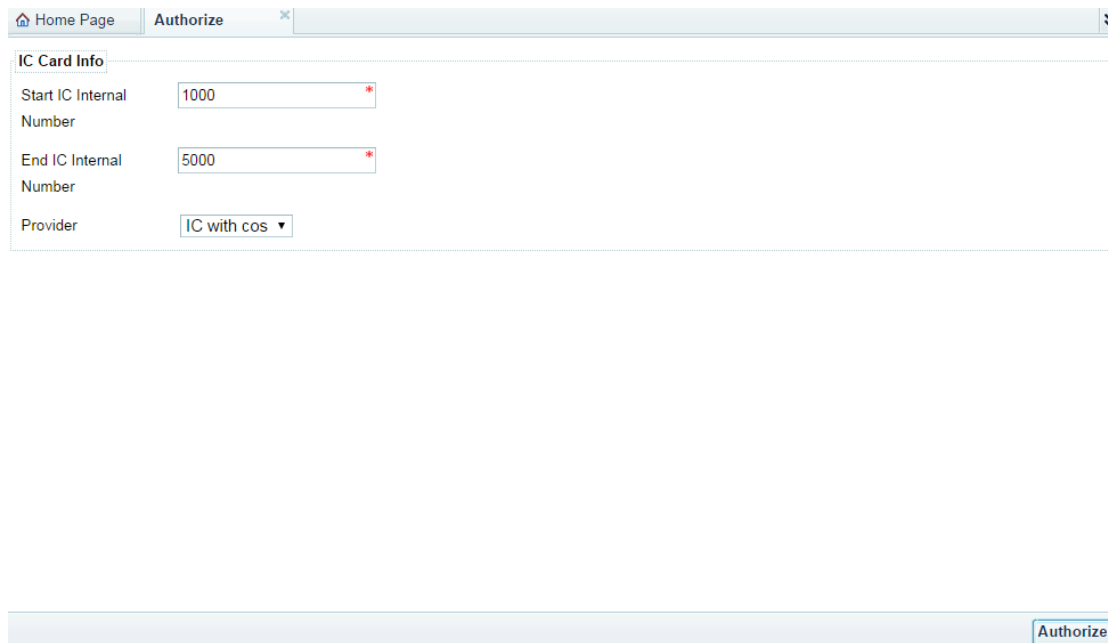
Authorization Synchronization

When operating WebSMS, if the CAS does not normally connected, subscribers can not normally receive programs with prompt say “You have not ordered this program” . Operators need to synchronize the authorization.



The screenshot shows a web browser window with a tab titled 'Authorize'. The main content area is a form titled 'IC Card Info'. It contains three input fields: 'Start IC Internal Number' with the value '0', 'End IC Internal Number' with the value '0', and a dropdown menu for 'Provider' set to 'IC with cos'. A red asterisk is visible to the right of each input field. At the bottom right of the form, there is a button labeled 'Authorize'.

✧ Start/End IC Internal Number: Define the card range needing authorization.



The screenshot shows the same 'Authorize' page as above, but with the 'Start IC Internal Number' field set to '1000' and the 'End IC Internal Number' field set to '5000'. The 'Provider' dropdown remains 'IC with cos'. The 'Authorize' button is still present at the bottom right.

➤ Click "Submit" to complete the authorization.

IC Card Recycle

✧ If there are cards returned from subscribers or disused due to subscriber getting re-issued cards, these card numbers can be recycled.

Home Page IC Card Recycle

Operator Internal Number

<input type="checkbox"/>	Internal Number	External Number	Master Card (Internal Number)	Model Number	CA Instance	Operator	Status	Current Fee Mod	Next Fee Mod	View Product Order
--------------------------	-----------------	-----------------	-------------------------------	--------------	-------------	----------	--------	-----------------	--------------	--------------------

Show 20 Item(s), Total 0 Item(s) 0

- Specify one operator or enter a card number, click "Search" to find out the cards need recycle.

Home Page IC Card Recycle

Operator Internal Number

<input type="checkbox"/>	Internal Number	External Number	Master Card (Internal Number)	Model Number	CA Instance	Operator	Status	Current Fee Mod	Next Fee Mod	View Product Order
--------------------------	-----------------	-----------------	-------------------------------	--------------	-------------	----------	--------	-----------------	--------------	--------------------



Show 20 Item(s), Total 0 Item(s) 0



- Check cards and click "Submit" to complete the recycle.

STB Recycle

- It has the same operation with IC card recycle.


Reprint Invoice

- Click “Customer”  to select customer need re-print invoice, or define a start/end date to find out customers order services during this period, select the customer and click  button.

Customer Number	Customer Name	Amount	Print InvoiceTime	Print Invoice User	Operation
1	J	200.0000	10/18/2014 2:39:22 PM	Administrator	
1	J	268.0000	10/18/2014 2:32:45 PM	Administrator	

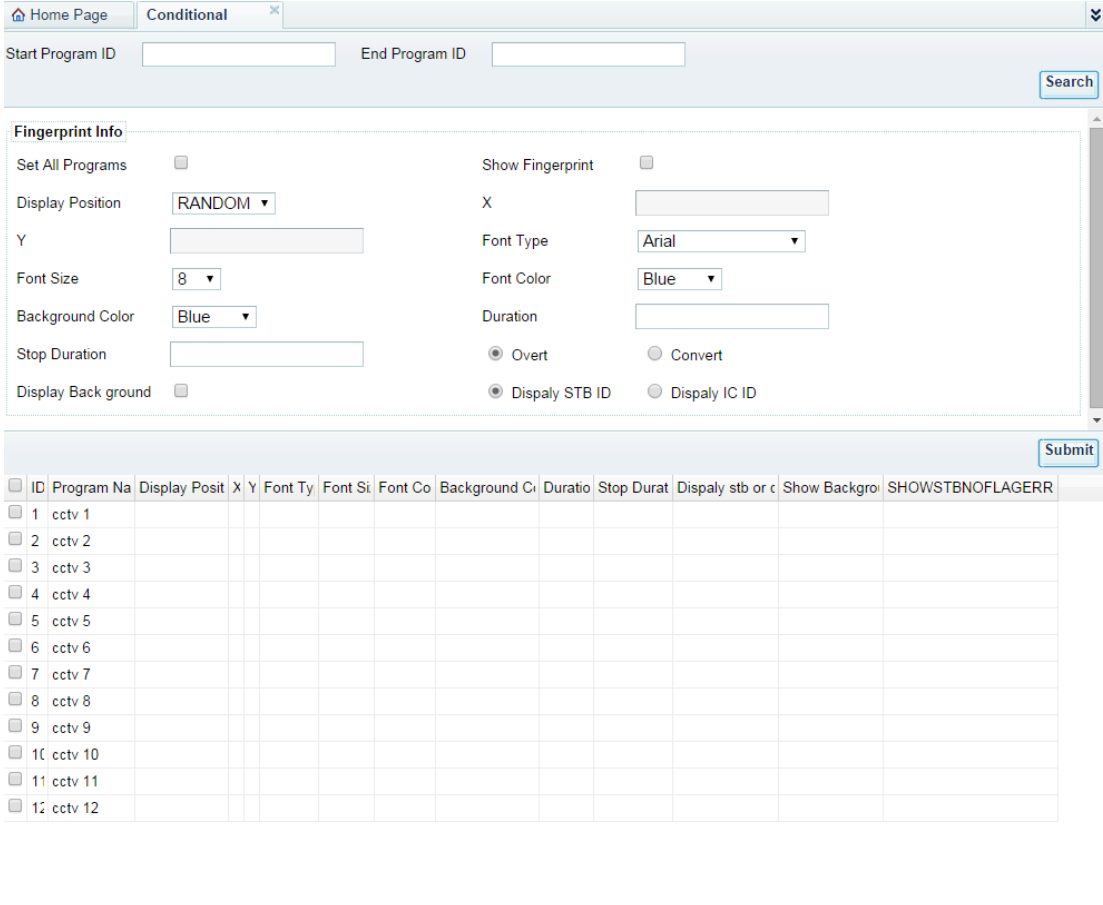
0000000000000003

Customer ID	1	Customer Name	J
Tel		Address	chengdustreet no.1
New Installation	0	Pause	0
STB	0	IC Card	0
OrderProduct	0	PPV Account	200.00
		Unsubscribe	0
IC Number	Product Name	Start Time	End Time
Amount Receivable	200.00	Paid Via Balance	0.00
Amount Paid	200.00		
	Charging User	Administrator	Printing Time
			10/20/2014 4:11:28 PM

- Click  button to print the invoice.

Functions for CAS6

Finger Print



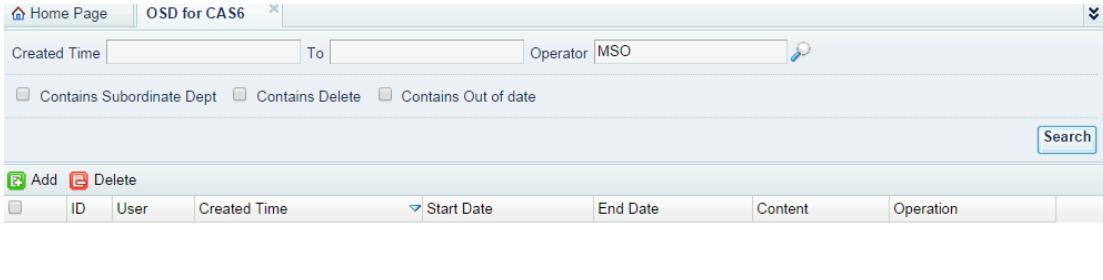
The screenshot shows a web browser window with the title 'Conditional'. The interface includes search filters for 'Start Program ID' and 'End Program ID', and a 'Search' button. Below this is the 'Fingerprint Info' section with various configuration options:

- Set All Programs
- Show Fingerprint
- Display Position:
- X:
- Y:
- Font Type:
- Font Size:
- Font Color:
- Background Color:
- Duration:
- Stop Duration:
- Overt Convert
- Display STB ID Display IC ID
- Display Back ground

At the bottom of the configuration area is a 'Submit' button. Below the configuration is a table with 12 rows, each representing a program (ID 1 to 12, labeled 'cctv 1' to 'cctv 12'). The table has columns for various parameters including ID, Program Name, Display Position, X, Y, Font Type, Font Size, Font Color, Background Color, Duration, Stop Duration, Display STB or IC, Show Background, and SHOWSTBNOFLAGERR.

- Configure the fingerprint parameters in the window above
- Click "Submit" to confirm

OSD





The screenshot shows a web browser window with the title 'OSD for CAS6'. The interface includes search filters for 'Created Time' (with 'To' and 'Operator' fields) and a 'Search' button. Below this are checkboxes for 'Contains Subordinate Dept', 'Contains Delete', and 'Contains Out of date'. At the bottom, there are 'Add' and 'Delete' buttons. Below these buttons is a table with columns for ID, User, Created Time, Start Date, End Date, Content, and Operation.

- Click "Add" button.

The screenshot shows a web form titled "AddOSD" with the following fields and values:

ID	0	Branch Operator Info	MSO
Start IC Internal	0	End IC Internal	0
Number Region		Number Sending Times	0
Start Date	2014-10-20 16:57:23	End Date	2014-10-27 16:57:23
Priority	HIGH	Display Position	UP
Font Type	Arial	Font Size	8
Font Color	White	Background Color	Purple
Content			

Buttons: Submit, Cancel

- ✧ Branch Operator Info: Click  to select one branch operator.
- ✧ Start/End IC Internal Number: Define a card range to display OSD.
- ✧ Region: Click  to select region to display OSD.

****User can set both IC Internal Number and Region or one of it.***

- ✧ Start/End Date: Define a period during which to display OSD.
 - ✧ Priority: Set a display priority level for the OSD.
 - ✧ Display Position: Set the display position on the TV screen of OSD.
 - ✧ Content: Enter the OSD content to be displayed.
- Click "Submit" to confirm to send the OSD after completing the settings.

Mail

➤ Click "Add" button

- ✧ Operator: If there are branch operators, click button to search and select. If no, the system will default an operator "MSO".
- ✧ Start/End IC Internal Number: Define a range of cards to display mails.
- ✧ Region: Click to select the region to display mail.

**User can set both IC Internal Number and Region or one of it.*

- ✧ Start/End Date: Define a period during which to display mail.
- ✧ Priority: Set a display priority level for the mail.
- ✧ Title: Set a title for the mail.
- ✧ Signature: Set the signature for the mail.

- ✧ Content: Enter the mail content to be displayed.
- Click "Submit" to confirm to send the mail after completing the settings.

PPV


The screenshot shows a web interface for managing PPV (Pay-Per-View) programs. At the top, there are tabs for "Home Page" and "PPV for CAS6". Below the tabs is a search bar with fields for "Created Time", "To", and "Operator" (set to "MSO"). There are three checkboxes: "Contains Subordinate Dept", "Contains Delete", and "Contains Out of date". Below the search bar are "Add" and "Delete" buttons. At the bottom, there is a table header with columns: ID, Name, Program Info, Provider, Start Date, End Date, and Created Time.

- Click "Add" button.

The screenshot shows the "AddPPV" form. It has the following fields:


ID	0	Name	
Operator	MSO	Program Name	
Program ID		Need Points	0
Provider		End Date	2014-10-27 16:59:18
Start Date	2014-10-20 16:59:18		

At the bottom right, there are "Submit" and "Cancel" buttons.

- Enter the name and select a branch operator.
-  Click to select programs.
- Select provider and set need points.
- Define the start/end time during which the PPV is valid.

Conditional Temporary Authorization

➤ Click "Add" button.

- ✧ Operator: If there are branch operators, click  button to search and select. If no, the system will default an operator “MSO”.
- ✧ Start/End Date: Define a period during which the conditional temporary authorization is valid and subscribers can normally watch programs.
- Click “Add” button to add authorization conditions. User can add conditions respectively as per card number, region, customer type, branch operator or make a combination, and then select products to provide temporary authorization.

Web SMS User Manual

Conditional Address

ID: 0 Operator: MSO
Start Date: 2014-10-20 00:00:00 End Date: 2014-10-27 00:00:00

By IC NO. By STB NO. By Region By Customer Type By Lco NO. Add

And (or)	Condition Type	Compare Symbol	Value	Operation
And	By IC NO.	Greater Than or Equal	1	X
And	By IC NO.	Less Than or Equal	100	X

Product Info

<input type="checkbox"/>	ID	Product Name
<input checked="" type="checkbox"/>	1	Basic Bouquet

Submit Cancel

- Click "Submit" to complete the authorization settings.

**If an IC card is configured with conditional temporary authorization firstly and then orders products, the conditional temporary authorization will become invalid. If operate on the other way around, the conditional temporary authorization will keep valid.*

Conditional OSD

Created Time: To: Operator: MSO

Contains Subordinate Dept Contains Delete Contains Out of date

Search

Add Delete

ID	User	Created Time	Operator	Start Date	End Date	Operation
----	------	--------------	----------	------------	----------	-----------

- Click "Add" button.

AddOSD
_ □ ×

Conditional Address


ID	<input type="text" value="0"/>	Operator	<input type="text" value="MSO"/>
Start Date	<input type="text" value="2014-10-20 00:00:00"/>	End Date	<input type="text" value="2014-10-27 00:00:00"/>

By IC NO.
 By STB NO.
 By Region
 By Customer Type
 By Lco NO.

And (or)	Condition Type	Compare Symbol	Value	Operation

OSD

Sending Times	<input type="text" value="0"/>	Display Position	<input type="text" value="UP"/>
Priority	<input type="text" value="NORMAL"/>	Font Size	<input type="text" value="8"/>
Font Type	<input type="text" value="Arial"/>	Background Color	<input type="text" value="Purple"/>
Font Color	<input type="text" value="White"/>	<input style="width: 100%; height: 30px;" type="text"/>	
Content	<input style="width: 100%; height: 30px;" type="text"/>		

- ✧ Operator: If there are branch operators, click  button to search and select. If no, the system will default an operator “MSO”.
- ✧ Start/End Date: Define a period during which the conditional OSD is valid and subscribers can normally receive OSD.
- Click “Add” button to add authorization conditions. User can add conditions respectively as per card number, region, customer type, branch operator or make a combination, and then select products to provide OSD.

Web SMS User Manual

Conditional Address

ID: 0 Operator: MSO
Start Date: 2014-10-20 00:00:00 End Date: 2014-10-27 00:00:00

By IC NO. By STB NO. By Region By Customer Type By Lco NO.

And (or)	Condition Type	Compare Symbol	Value	Operation
And	By IC NO.	Equal Than	1	X
And	By Region	Equal Than	District A	X

OSD

Sending Times: 0 Display Position: UP
Priority: NORMAL
Font Type: Arial Font Size: 8
Font Color: White Background Color: Purple

Content:

- Click "Submit" to complete the authorization settings.

Conditional Limit Broadcast

Home Page Conditional

Created Time: [] To: [] Operator: MSO

Contains Subordinate Dept Contains Delete Contains Out of date

ID	User	Created Time	Operator	Start Date	End Date	User	Operation
----	------	--------------	----------	------------	----------	------	-----------

- Click "Add" button.

AddConditional Limit Broadcast

Conditional Address

ID: Operator:

Start Date: End Date:

By IC NO. By STB NO. By Region By Customer Type By Lco NO.

And (or)	Condition Type	Compare Symbol	Value	Operation
----------	----------------	----------------	-------	-----------

Product Info

<input type="checkbox"/>	ID	Product Name
<input checked="" type="checkbox"/>	1	Basic Bouquet

- ✧ Operator: If there are branch operators, click button to search and select. If no, the system will default an operator “MSO” .
- ✧ Start/End Date: Define a period during which the conditional limit broadcast is valid and subscribers cannot watch limit-broadcast programs.
- Click “Add” button to add authorization conditions. User can add conditions respectively as per card number, region, customer type, branch operator or make a combination, and then select products to provide limit broadcast setting.

Conditional Address

ID: Operator:

Start Date: End Date:

By IC NO.
 By STB NO.
 By Region
 By Customer Type
 By Lco NO.

And (or)	Condition Type	Compare Symbol	Value	Operation
And	By IC NO.	Equal Than	<input type="text"/>	✖
And	By STB NO.	Equal Than	<input type="text"/>	✖

Product Info

<input checked="" type="checkbox"/>	ID	Product Name
<input checked="" type="checkbox"/>	1	Basic Bouquet

➤ Click "Submit" to complete the authorization settings.

Conditional Mail

Home Page | Conditional

Created Time: To: Operator:

Contains Subordinate Dept
 Contains Delete
 Contains Out of date

<input type="checkbox"/>	ID	User	Created Time	Operator	Start Date	End Date	Operation
--------------------------	----	------	--------------	----------	------------	----------	-----------

➤ Click "Add" button.

Web SMS User Manual

AddConditional Mail

Conditional Address

ID: Operator:

Start Date: End Date:

By IC NO. By STB NO. By Region By Customer Type By Lco NO.

And (or)	Condition Type	Compare Symbol	Value	Operation
----------	----------------	----------------	-------	-----------

Mail

Priority: Title:

Signature: Content:

- ✧ Operator: If there are branch operators, click button to search and select. If no, the system will default an operator “MSO” .
- ✧ Start/End Date: Define a period during which the conditional mail is valid and subscribers can normally receive mail.
- Click “Add” button to add authorization conditions. User can add conditions respectively as per card number, region, customer type, branch operator or make a combination, and then set mail title, signature and content in below section.

Web SMS User Manual

AddConditional Mail

Conditional Address

ID: Operator:

Start Date: End Date:

By IC NO. By STB NO. By Region By Customer Type By Lco NO.

And (or)	Condition Type	Compare Symbol	Value	Operation
And	By Region	Equal Than	District B	

Mail

Priority: Title:

Signature: Content:

- Click "Submit" to complete the authorization settings.

Conditional Emergency Broadcast

Home Page | Conditional

Created Time: To: Operator:

Contains Subordinate Dept Contains Delete Contains Out of date

ID	Created Time	Operator	Start Date	End Date	User	Operation
----	--------------	----------	------------	----------	------	-----------

- Click "Add" button.

AddConditional Emergency Broadcast
_ □ ×

Conditional Address

ID	<input type="text" value="0"/>	Operator	<input type="text" value="MSO"/>
Start Date	<input type="text" value="2014-10-20 00:00:00"/>	End Date	<input type="text" value="2014-10-27 00:00:00"/>

By IC NO.
 By STB NO.
 By Region
 By Customer Type
 By Lco NO.

And (or)	Condition Type	Compare Symbol	Value	Operation

Program Info

Program ID	<input type="text"/>	Program Name	<input type="text"/>
------------	----------------------	--------------	----------------------

- ✧ Operator: If there are branch operators, click button to search and select. If no, the system will default an operator “MSO” .
- ✧ Start/End Date: Define a period during which the conditional emergency broadcast is activated and subscribers can not normally control the STB with remoter after they receive the emergency broadcast.
- Click “Add” button to add authorization conditions. User can add conditions respectively as per card number, region, customer type, branch operator or make a combination, and then select the program to send emergency broadcast.

Conditional Address

ID	<input type="text" value="0"/>	Operator	<input type="text" value="MSO"/>
Start Date	<input type="text" value="2014-10-20 00:00:00"/>	End Date	<input type="text" value="2014-10-27 00:00:00"/>

By IC NO.
 By STB NO.
 By Region
 By Customer Type
 By Lco NO.

And (or)	Condition Type	Compare Symbol	Value	Operation
And	By IC NO.	Equal Than	<input type="text"/>	✖

Program Info

Program ID	<input type="text"/>	Program Name	<input type="text"/>
------------	----------------------	--------------	----------------------

**The content of emergency broadcast is set in ECMG.*

- Click "Submit" to complete the authorization settings.

Conditional Network Exception Unlock

Conditional

Created Time	<input type="text"/>	To	<input type="text"/>	Operator	<input type="text" value="MSO"/>
--------------	----------------------	----	----------------------	----------	----------------------------------

Contains Subordinate Dept
 Contains Delete
 Contains Out of date

	ID	Created Time	Operator	Start Date	End Date	Operation
☐						

- Click "Add" button.

Web SMS User Manual

Conditional Address


ID: 0 Operator: MSO

Start Date: 2014-10-20 00:00:00 End Date: 2014-10-27 00:00:00

By IC NO. By STB NO. By Region By Customer Type By Lco NO. Add

And (or)	Condition Type	Compare Symbol	Value	Operation
----------	----------------	----------------	-------	-----------

Submit Cancel

- ✧ Operator: If there are branch operators, click  button to search and select. If no, the system will default an operator “MSO”.
- ✧ Start/End Date: Define a period during which the conditional network exception unlock is activated and subscribers with network locked will be unlocked.
- Click “Add” button to add authorization conditions. User can add conditions respectively as per card number, region, customer type, branch operator or make a combination.

Conditional Address

ID: 0 Operator: MSO

Start Date: 2014-10-20 00:00:00 End Date: 2014-10-27 00:00:00

By IC NO. By STB NO. By Region By Customer Type By Lco NO. Add

And (or)	Condition Type	Compare Symbol	Value	Operation
And	By IC NO.	Equal Than		X

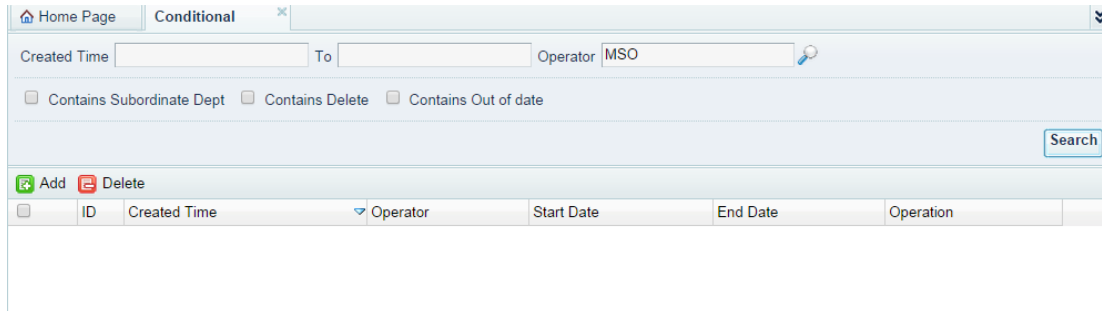
Submit Cancel

- Click “Submit” to complete the authorization settings.

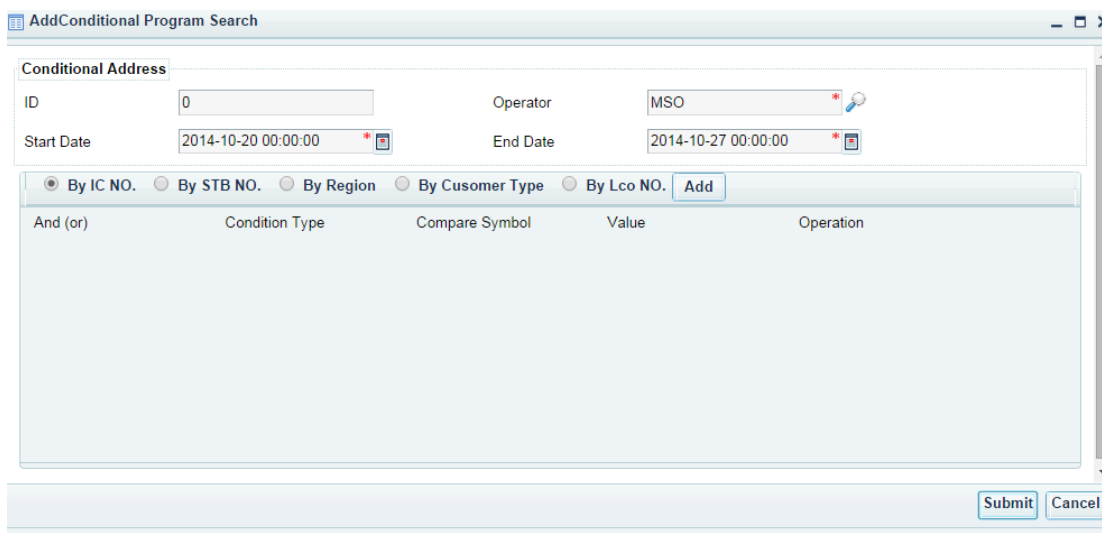
Conditional System Exception Unlock


*The operation of conditional System Exception Unlock is same with conditional Network Exception Unlock.

Conditional Program Search



➤ Click "Add" button.



- ✧ Operator: If there are branch operators, click  button to search and select. If no, the system will default an operator "MSO".
- ✧ Start/End Date: Define a period during which the conditional program search is activated and the STB will auto search programs upon power on.
- Click "Add" button to add authorization conditions. User can add conditions respectively as per card number, region, customer type, branch operator or make a combination.

Web SMS User Manual

Conditional Address

ID: 0 Operator: MSO

Start Date: 2014-10-20 00:00:00 End Date: 2014-10-27 00:00:00

By IC NO. By STB NO. By Region By Customer Type By Lco NO. Add

And (or)	Condition Type	Compare Symbol	Value	Operation
And	By IC NO.	Equal Than		

Submit Cancel

- Click "Submit" to complete the authorization settings.

Conditional OSD

Home Page Conditional

Created Time To Operator: MSO

Contains Subordinate Dept Contains Delete Contains Out of date

Search

Add Delete

ID	Created Time	Operator	Start Date	End Date	User	Operation
----	--------------	----------	------------	----------	------	-----------

- Click "Add" button.

Conditional Address

ID: 0 Operator: MSO

Start Date: 2014-10-20 00:00:00 End Date: 2014-10-27 00:00:00

By IC NO. By STB NO. By Region By Customer Type By Lco NO. Add

And (or)	Condition Type	Compare Symbol	Value	Operation
And	By IC NO.	Equal Than		

OSD

Duration: 1 Stop Duration: 0


Ratio: 80 Font Type: Arial

Font Size: 8 Font Color: White

Background Color: Purple Clarity: 0

Content:

Submit Cancel

- ✧ Operator: If there are branch operators, click  button to search and select. If no, the system will default an operator “MSO” .
- ✧ Start/End Date: Define a period during which the conditional OSD is valid.
- Click “Add” button to add authorization conditions. User can add conditions respectively by card number, region, customer type, branch operator or make a combination.

ECM Fingerprint

- Click “Add” button.

Conditional Address

ID: 0 Operator: MSO

Start Date: 2014-10-20 00:00:00 End Date: 2014-10-27 00:00:00

By IC NO.
 By STB NO.
 By Region
 By Customer Type
 By Lco NO.

And (or)	Condition Type	Compare Symbol	Value	Operation

<input type="checkbox"/>	ID	Program Name
<input type="checkbox"/>	1	cctv 1
<input type="checkbox"/>	2	cctv 2
<input type="checkbox"/>	3	cctv 3
<input type="checkbox"/>	4	cctv 4
<input type="checkbox"/>	5	cctv 5
<input type="checkbox"/>	6	cctv 6
<input type="checkbox"/>	7	cctv 7
<input type="checkbox"/>	8	cctv 8

- ✧ Operator: If there are branch operators, click button to search and select. If no, the system will default an operator “MSO”.
- ✧ Start/End Date: Define a period during which the ECM fingerprint is valid.
- Click “Add” button to add authorization conditions. User can add conditions respectively by card number, region, customer type, branch operator or make a combination.

EMM Fingerprint

Home Page | EMM

Created Time: [] To: [] Operator: MSO

Contains Subordinate Dept
 Contains Delete
 Contains Out of date


<input type="checkbox"/>	ID	Created Time	Operator	Start Date	End Date	User	Operation

- Click “Add” button.

The screenshot shows a web application window titled "AddEMM Fingerprint". It is divided into three main sections:

- Conditional Address:** Contains input fields for ID (0), Operator (MSO), Start Date (2014-10-20 00:00:00), and End Date (2014-10-27 00:00:00). There is a search icon next to the Operator field.
- Filtering Options:** A row of radio buttons for "By IC NO.", "By STB NO.", "By Region", "By Customer Type", and "By Lco NO.", followed by an "Add" button.
- Table:** A table with columns: "And (or)", "Condition Type", "Compare Symbol", "Value", and "Operation". The table is currently empty.
- EMM Fingerprint:** Contains various configuration options:
 - Show Position: RANDOM (dropdown)
 - X: 0 (input)
 - Y: 0 (input)
 - Stop Duration: 0 (input)
 - Duration: 1 (input)
 - Font Type: Arial (dropdown)
 - Font Size: 8 (dropdown)
 - Font Color: White (dropdown)
 - Background Color: Purple (dropdown)
 - Display Back ground: unchecked checkbox
 - Radio buttons for "Overt" (selected), "Convert", "Display STB ID" (selected), and "Display IC ID".

At the bottom right, there are "Submit" and "Cancel" buttons.

- ✧ Operator: If there are branch operators, click  button to search and select. If no, the system will default an operator "MSO".
- ✧ Start/End Date: Define a period during which the EMM fingerprint is valid.
- Click "Add" button to add authorization conditions. User can add conditions respectively by card number, region, customer type, branch operator or make a combination.

Unauthorized Program View Setting

Unauthorized Program View Setting

ID: Start Date: 2014-10-20

End Date: 2014-10-21 View Duration:

ID	Program Name	Program Type	Original Network ID	Transport Stream ID	Service ID
1	cctv 1	PPC	1	1	101
2	cctv 2	PPC	1	1	102
3	cctv 3	PPC	1	1	103
4	cctv 4	PPC	1	1	104
5	cctv 5	PPC	1	1	105
6	cctv 6	PPC	1	1	106
7	cctv 7	PPC	1	1	107
8	cctv 8	PPC	1	1	108
9	cctv 9	PPC	1	1	109
10	cctv 10	PPC	1	1	110
11	cctv 11	PPC	1	1	111
12	cctv 12	PPV	1	1	112

Submit

- Set the start/end date and view duration (second).
- Select programs.
- Click "Submit" to confirm.

Subscribers can watch the unauthorized programs for a period set in this section.

Business Search

Customer Search

Customer Search

Customer Number: Customer Name:

Phone:

Operator: MSO Region:

Internal Number:

Search Advanced Search

Customer Number	Customer Name	Customer Type	Direct Operator	Operator	Region	Address	Status	New Account Time	Telephone Number	Mobile Phone Number	Operation
1	J	VIP	MSO	MSO	chengd	street n	Inited	10/18/2014 11:30:			View
2	K	VIP	MSO	MSO	chengd	street 2	Inited	10/18/2014 11:55:			View
3	aaaaa	VIP	MSO	MSO	chengd		UnNite	--			View

- Enter conditions available, click "Search" button to start.

Web SMS User Manual

- After searching out the customer, click “View” to view the customer’s details.

Fee Search

Customer Number	Customer Name	Belongs Operator	Original Fee	Fee	Charging Time	Charging User	Operation
1	J	MSO	400.0000	200.0000	10/18/2014 2:39:22 PM	Administrator	Details
1	J	MSO	340.0000	268.0000	10/18/2014 2:32:45 PM	Administrator	Details
2	K	MSO	660.0000	600.0000	10/18/2014 2:18:58 PM	Administrator	Details

- Enter conditions available, click “Search” button to start.

- After searching out the fees, click “Details” to view the details.

Renew Search

Customer	Internal N	External Number	Master Card(Inter	Model I	Address	Mobile Phon	Product	Start Date	End Date	Renew	Created Time	Operatio
K	50211	80028880005021	--	IC with	street 2		Basic Bc	11/18/2014 12	5/18/2015 12:1	Normal	10/18/2014 2:	Renew
J	50212	80028880005021	--	IC with	street n		Basic Bc	10/18/2014 12	4/18/2015 12:1	Normal	10/18/2014 2:	Renew
K	50211	80028880005021	--	IC with	street 2		Basic Bc	10/18/2014 12	11/18/2014 12	Normal	10/18/2014 11	Renew

- Enter conditions available, click “Search” button to start.

Web SMS User Manual

Home Page
Renew Search

Customer Number Customer Name

Phone

Internal Number External Number

Model Name

Created Time To

Customer	Internal N	External Number	Master Card(Inter	Model I	Address	Mobile Phon	Product	Start Date	End Date	Renew	Created Time	Operatio
<	50211	80028880005021	--	IC with	street 2		Basic Bc	11/18/2014 12	5/18/2015 12:1	Normal	10/18/2014 2:	Renew
<	50211	80028880005021	--	IC with	street 2		Basic Bc	10/18/2014 12	11/18/2014 12	Normal	10/18/2014 11	Renew

- User can click "Renew" to enter the interface where to operate the renew service.

Stopped IC Search

Home Page
Stopped IC

Customer Number Customer Name

Phone

Internal Number External Number

Model Name

Start Date End Date

Customer Numbr	Customer Nam	Belongs Operat	Internal Numbr	External Numbr	CA Instanc	Model Numbr	Stopped Tim	Resume Tim	Fee Inf	Use	Operatio

- Enter conditions available, click "Search" button to start.

Home Page
Stopped IC

Customer Number Customer Name

Phone

Internal Number External Number

Model Name

Start Date End Date

Exchanged Device Search

- Enter conditions available, click "Search" button to start.

Home Page
Exchanged

Customer Number Customer Name

Phone

Device Type

Start Date End Date

Customer Numbr	Customer Nam	Device Typ	Original Device(Internal Number/STB	Original Device(External Number/STB Real Num	Ne

Balance Recharge History

➤ Enter conditions available, click “Search” button to start.

Changed Owner Search

➤ Enter conditions available, click “Search” button to start.

Report

Due Report

Customer ID	Customer Name	Tel Number	Customer Detail Address	Internal Number	IC External Number	Product ID	Product Name	Dued Date Time	Due Days
2/K			chengdu street 2nd	50211	8002888000502111	4	Basic Bouquet	5/19/2015 12:00:00 AM	25

Customer Count 1

*Customer’s any due products will be reported in this section.

IC Card Status Report

User can view card status rate in this section.

Department ID	Department Name	IC Status	Quantity	Rate
1	MSO	INACTIVE	4997	99.94%
		ACTIVATED	3	0.06%
		Total	5000	
Total			5000	

Master-Slave Card Report

User can view master-slave card status in this section.

Branch	Operator	Customer ID	Customer Name	CA Instance	Master External Number	Slave External Number
MSO		1	JJ	CAS6	8002888000502152	8002888000502111
						8002888000502129

**Customer with master-slave card will be displayed in this section.*

Product Order Status Report

User can view the number of customers who have ordered certain one product.

Branch	Operator	Branch Name	Operator Name	Product ID	Product Name	Customer Count
1	MSO			4	basic	3

**If there are only two customers in the system, both Customer A and B order basic product package and advanced package, the report shows:*

Product Name Order Qty

Basic Package 2

Advanced Package 2

Total 4

Customer Fee Report

It displays customer info, card quantity, product valid time, ordering charges and etc info in this section.

Start Date: 2014-12-10 00:00:00

End Date: 2014-12-11 00:00:00

Customer ID:

Customer Name:

1 of 1 100% Find | Next

Customer Fee Details											
Branch Operator	Branch Operator Name	Customer Number	Customer Name	ID Proof ID	Tel Number	Mobile Phone Number	Customer Address	Customer Detail Address	STB Count	IC Count	Master Count
1	MSO	1	JJ	123456			CHENDU		3	3	
Total											
Branch Operator ID	Branch Operator Name	Customer ID							STB Count	IC Count	Master Count
1	MSO	1							3	3	

Device Sales Report

It displays the sales info of IC card and STB.

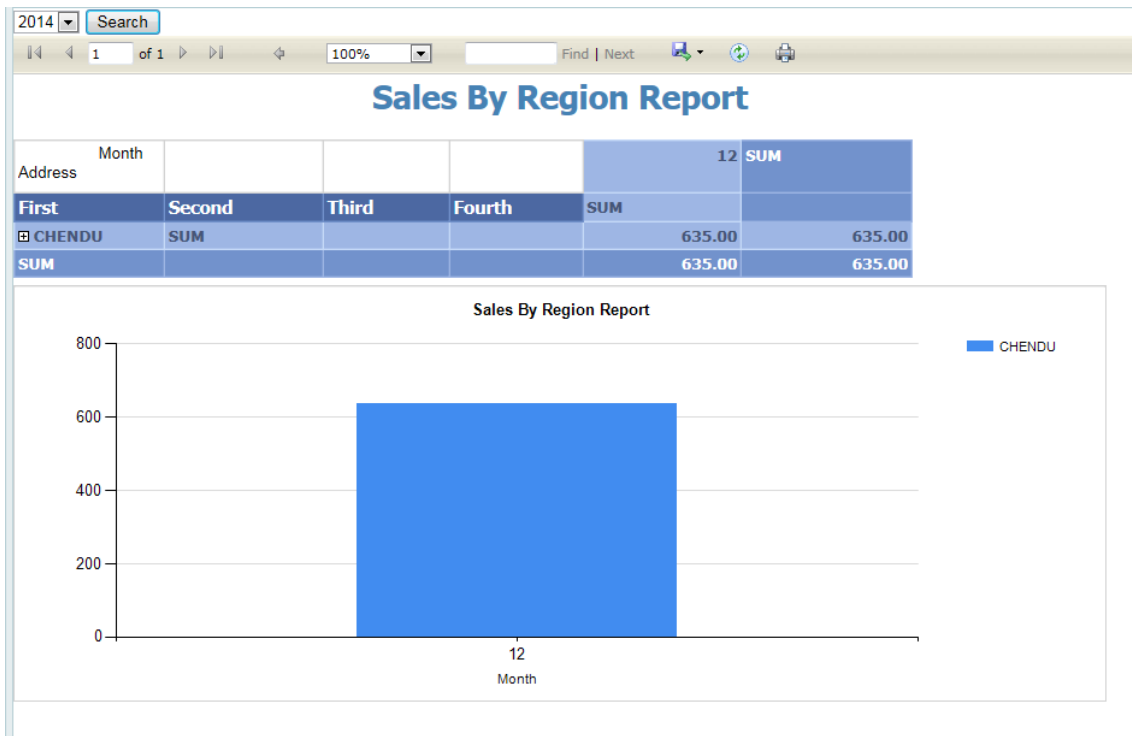
1 of 1 100% Find | N

Branch Operator	Equipment Type	Total Count	Total Fee
MSO	IC	3	60.00
	STB	3	15.00
	SUM		75.00
	IC	3	60.00
	STB	3	15.00
SUM			75.00

Region Sales Report

It displays the sales info of different regions.

Web SMS User Manual



Stopped Info Report

It displays info of stopped cards, like the customer they belong to and stop time etc.

1 of 1 100% Find | Next

Stopped IC Report

Department ID	Department Name	Customer ID	Customer Name	ICInternal Number	ICExternal Number	Stopped Date
Total		0				

Toll Collector Report

User can calculate the account details by collector group.

Home Page User Charge

Start Date: 2014-12-10 00:00:00 Select Time

End Date: 2014-12-11 00:00:00 Select Time

Customer ID: Search

Customer Name: Search

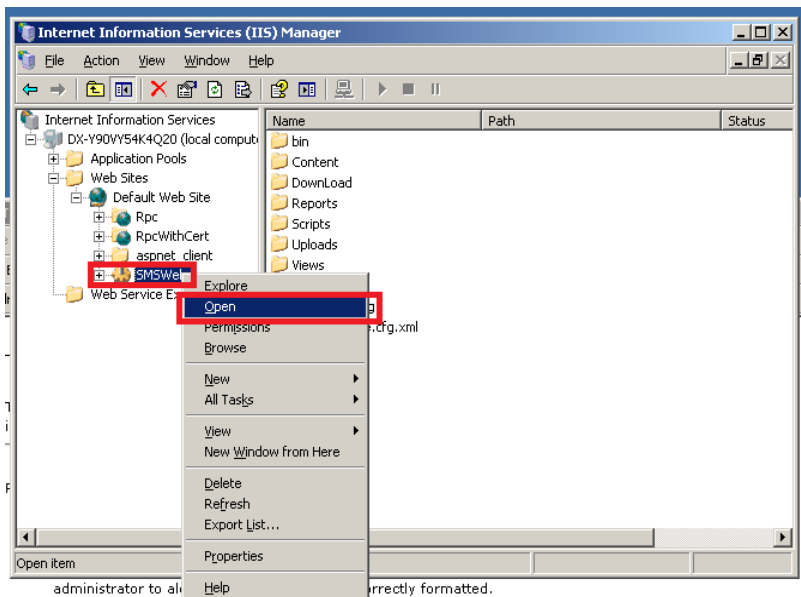
1 of 1 100% Find | Next

Branch Operator ID	Branch Operator Name	User ID	Customer ID	Customer Name	Tel Number	STB Count	IC Count	Parent IC Count	Child IC Count	Initial Installation Charge
1	MSO	Administrator	1	JJ		3	3	1	2	200.0
Total										
Branch Operator ID	Branch Operator Name	User ID	Customer ID	Customer Name	Tel Number	STB Count	IC Count	Parent IC Count	Child IC Count	Initial Installation Charge
1	MSO		1			3	3	0	0	200.0

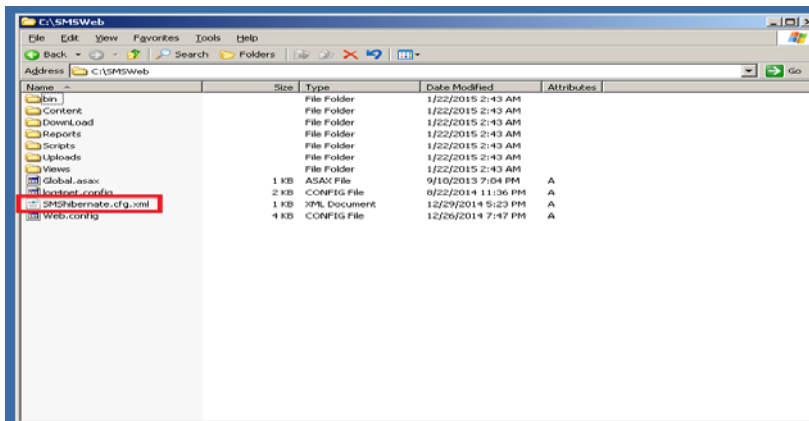
Q&A

Q:How to upgrade Web SMS to new version?

A:Step 1 Find the folder path. if you forget where the folder is, find it via figure as follows.

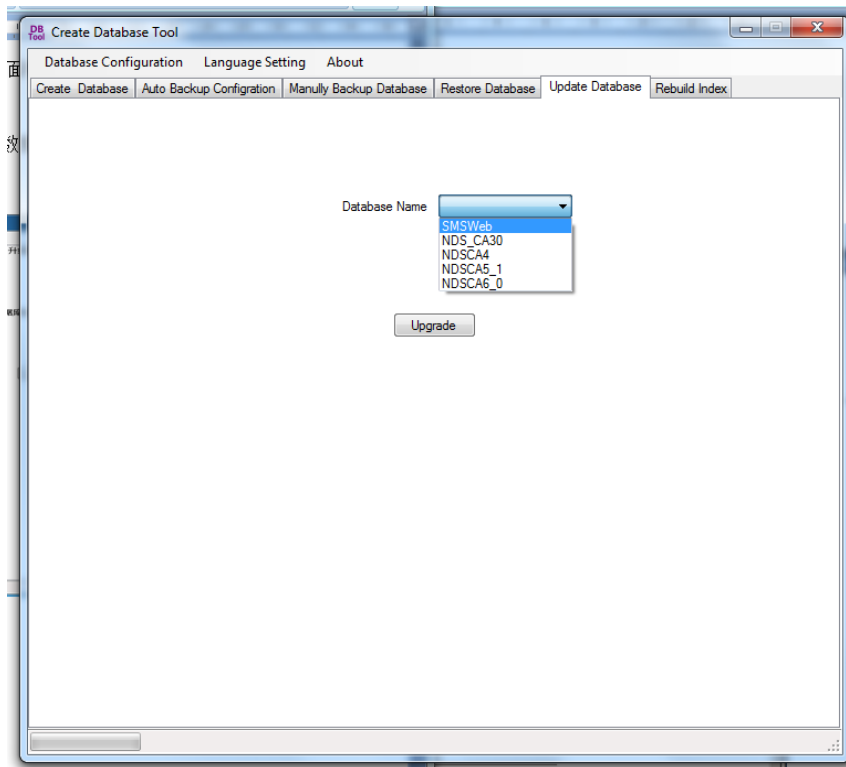


Step 2 Replace all the files but " SMSHibernate.cfg.xml " under the folder SMSWeb

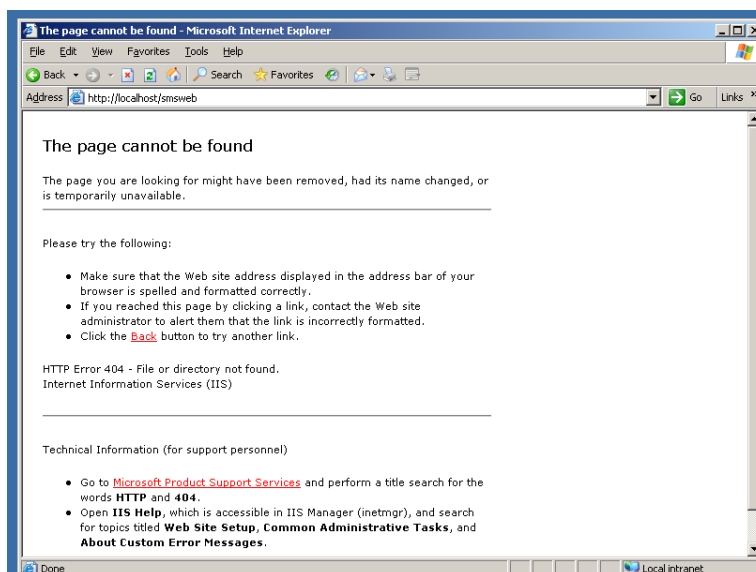


Step 3 Uninstall Web SMS DB Tool on Menu "Start" or "Control Panel"

Step 4 Switch to the tab "Upgrade Database", Select Database Name and click button Upgrade one by one

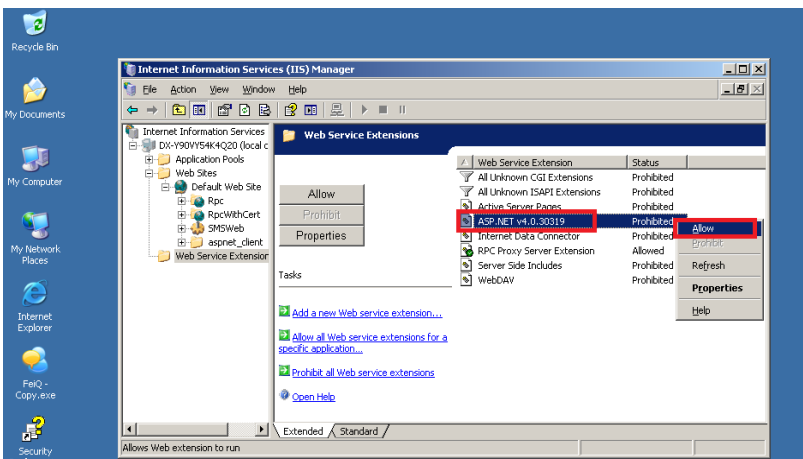


Q:Error "Http error 404" occurred after deployed the web site when type the web site address.



A:Installing .NET Framework before installing IIS may cause this problem.

Solution: Open IIS->Web Service Extensions->ASP.NET v4.0, set its status "Allowed". If ASP.NET v4.0 is not found, need to execute the file "regiis.bat" on installation folder.



Q:How to active an IC Card, and enable it view scrambled program?

A:After finishing "System Setting", "Device & Product" and "Price Management", enter Comprehensive Business, New Account->Order IC ->Order STB->Order Product->Charge and Authorize. and then switch to scrambled program you want to view.

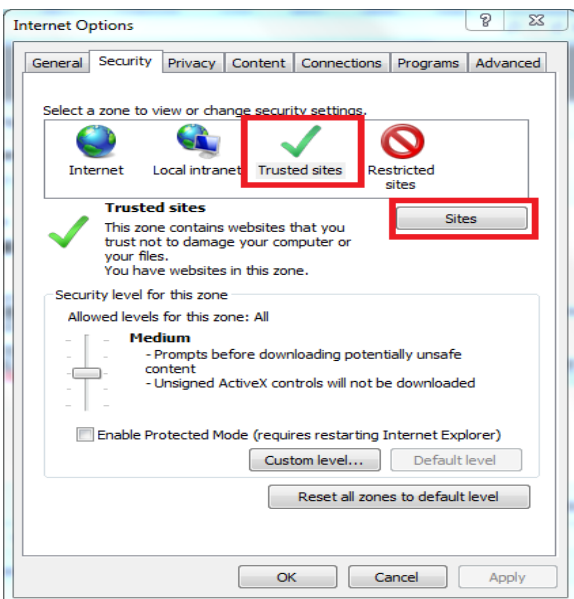
Q: Promote a dialog while print invoice: Can't load printer plugin, please use IE 8 and above

A:ActiveX control can not be loaded, or IE disabled load or execute printer plugin.

Steps: 1 Printer plugin support IE 8 and above only.

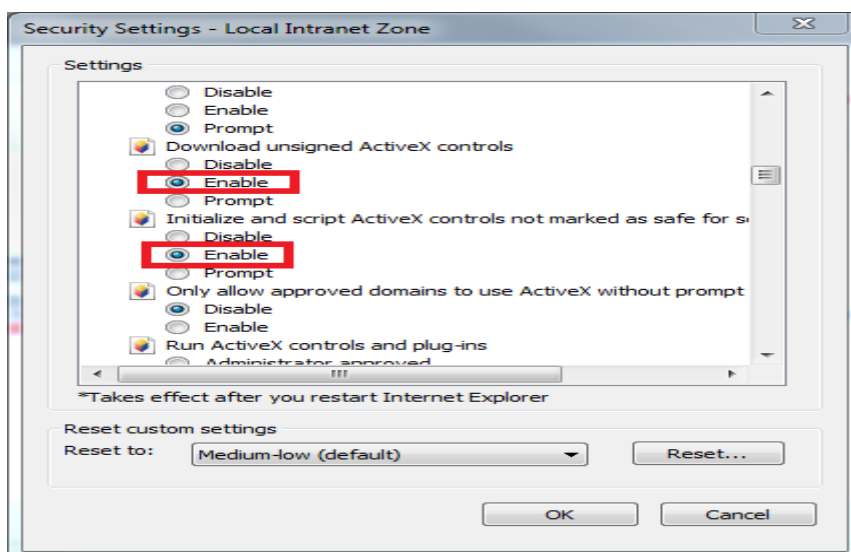
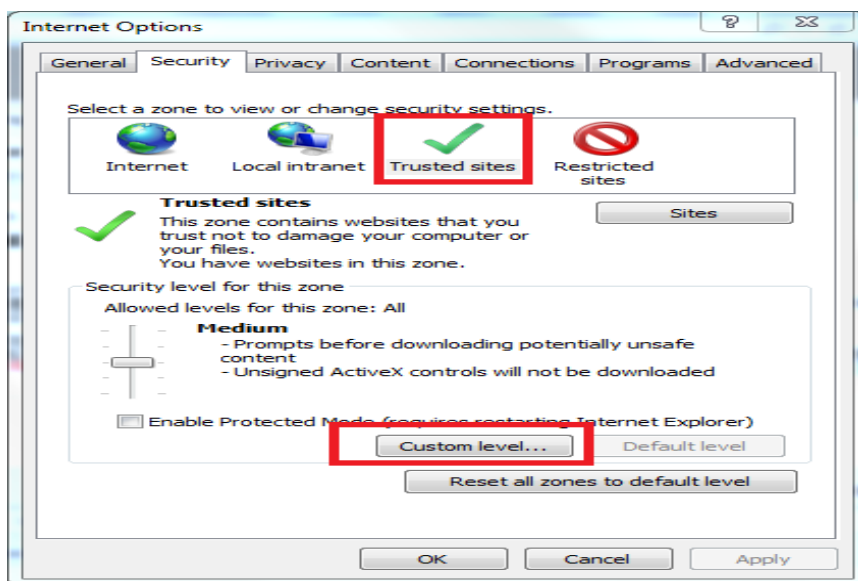
2 Add the site to Trusted sites,and enable " Download unsigned ActiveX controls "and" Initialize and script ActiveX controls not marked as safe scripting " on Internet Options-->Security-->Custom level.

IE-->Internet options-->Security-->Sites





switch to tab "Trusted sites", and click "Custom level..."



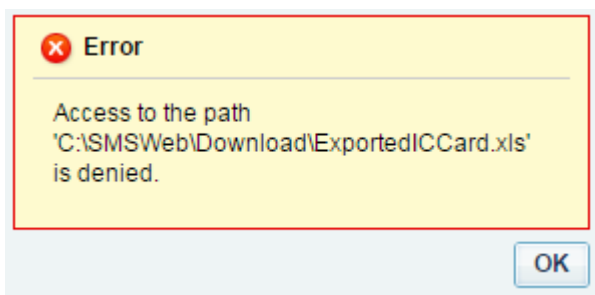
restart IE after finished.

3 if the trouble have not been shot yet after the above 2 steps, try to download the component from home page and install it, or download the printer plugin and install manually.

Q:How to cancel the IC Card ,STB and Product you ordered?

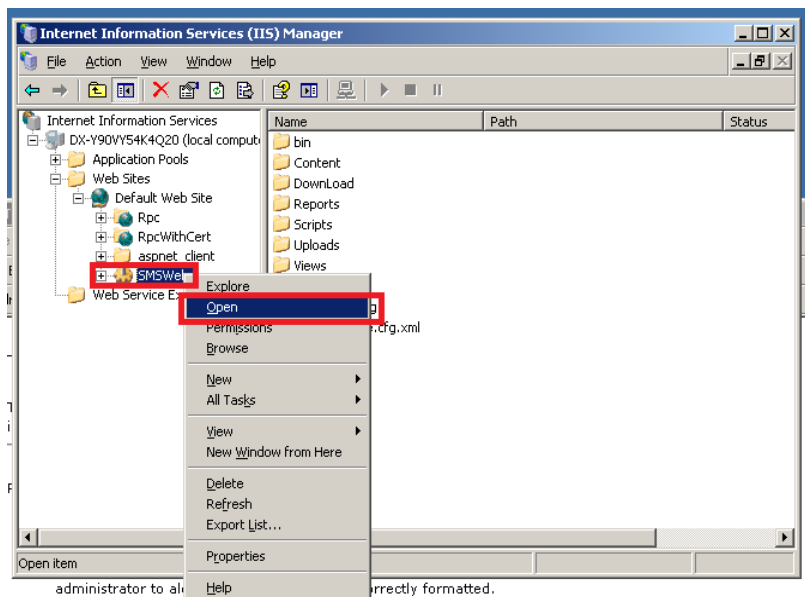
A:if you finished ordering IC Card, STB and Product, furthermore, you charged, and you want to cancel them now, you can switch to the menu-->Business Management-->Charge Exception Handle to cancel ordering.

Q: The error "Access to the path ' ...' is denied" while Export Data or Download Template



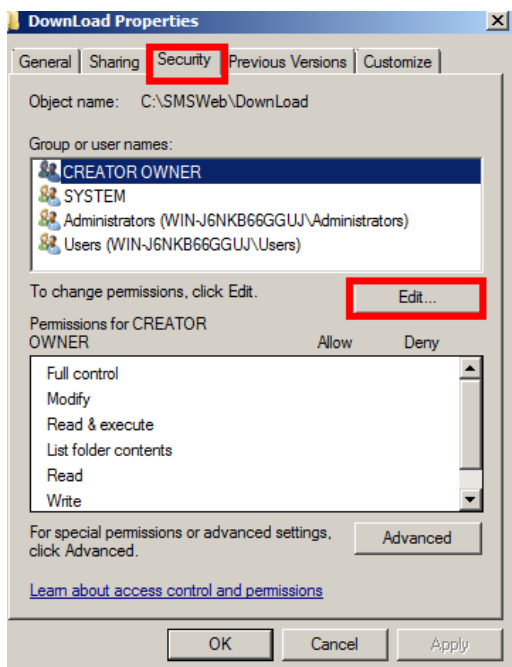
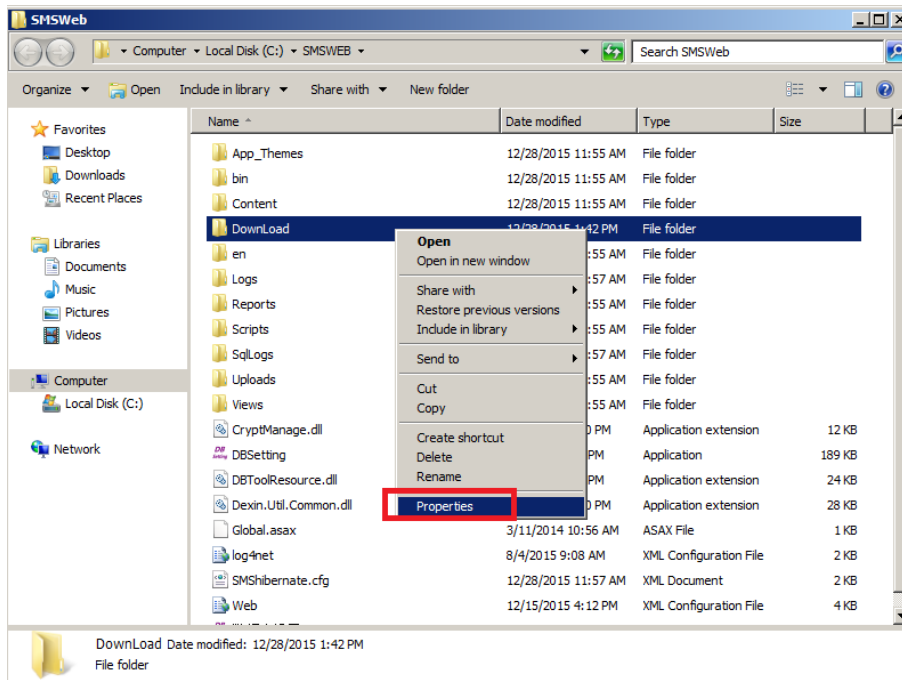
A:

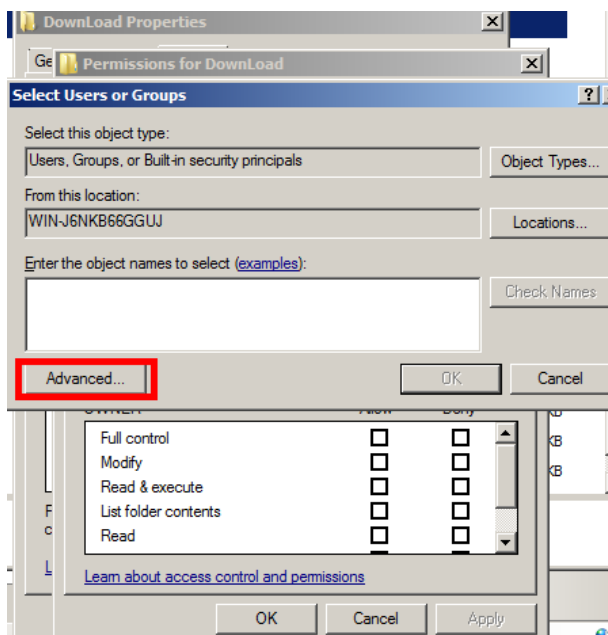
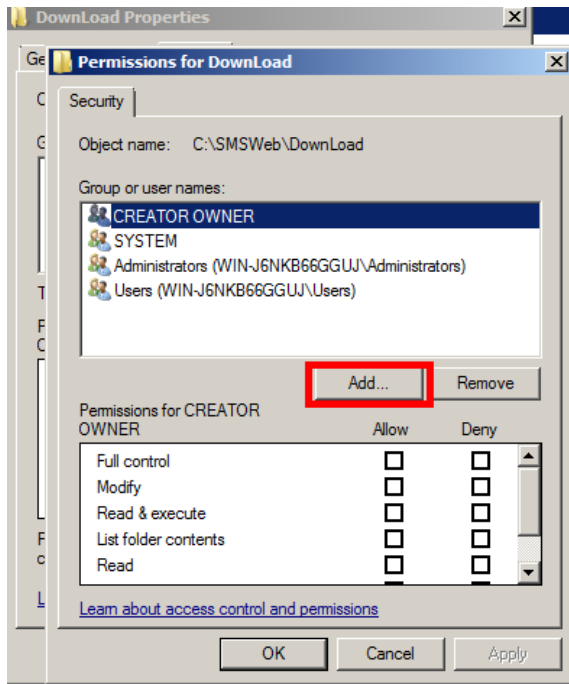
Step 1 Find the folder path. if you forget where the folder is, find it via figure as follows.

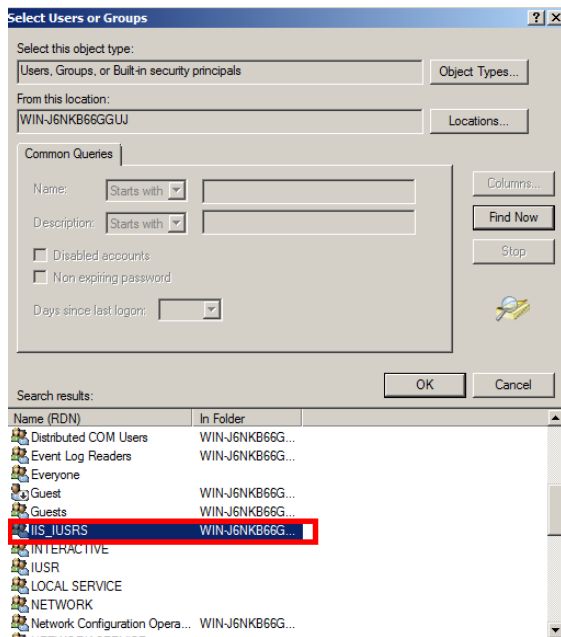
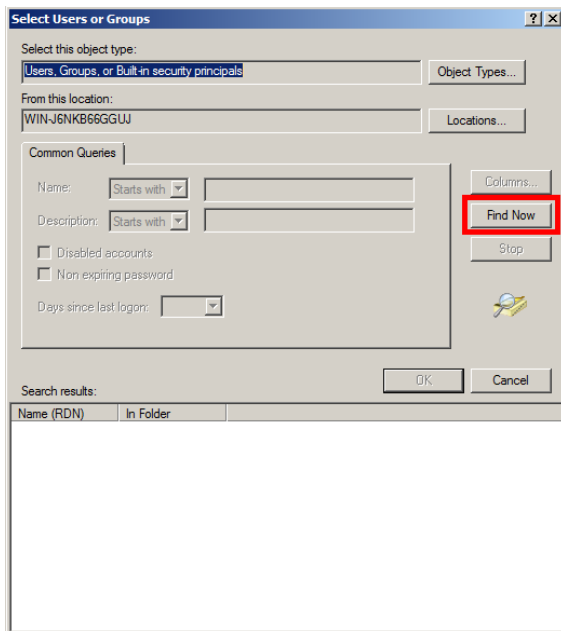


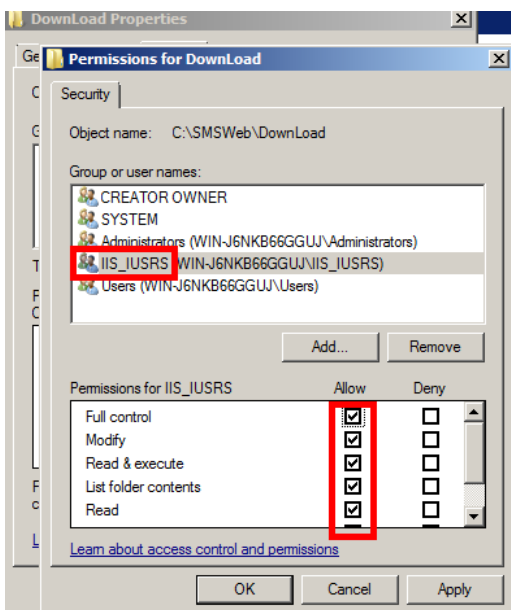
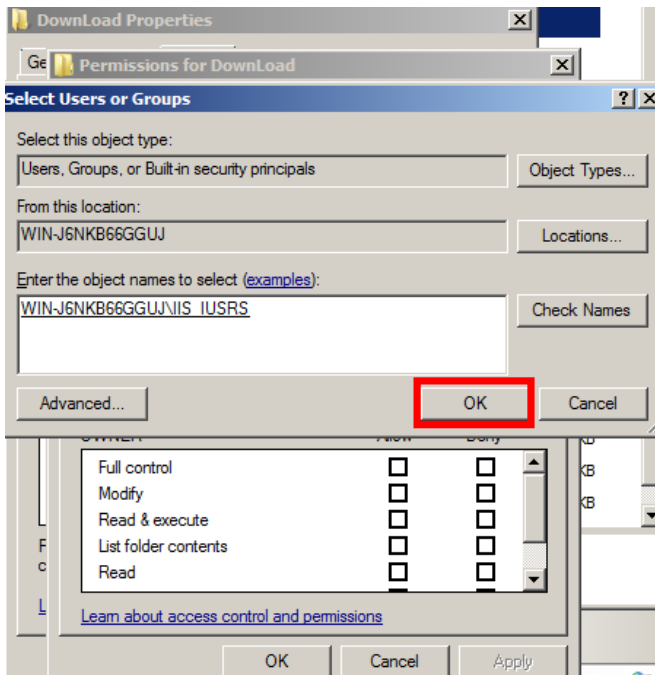
step 2 find the folder Download

Web SMS User Manual

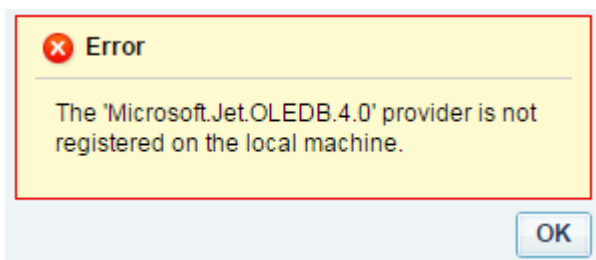








Q:Error "The 'Microsoft.Jet.OLEDB.4.0' provider is not registered on the local machine" occurred



A:steps as below

