

MSRIndia SMS Toolkit

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MSRIndia SMS Toolkit

This project acts as the community, discussion, feedback and sample site for the MSRIndia SMS SDK. The SDK allows any Windows Mobile 5 phone to be used in conjunction with a Server, allowing developers to easily write SMS applications, using just their phone and a PC. Additionally, we also provide a collection of samples that among other things, allow you to send bulk SMSs and to build simple information lookup applications. Though we have not published the SDK to codeplex, we have published all of our samples and encourage the samples and the SDK to be posted here. We hope that you all find the SDK very useful and we look forward to hearing seeing your new interesting SMS Server applications! The Development and Prototyping Team

What do I need?

To run our SMS SDK, you'll need:

- * a windows mobile 5 based phone
- * a PC running Windows XP or Vista
- * a USB cable to connect your phone to your PC

How to install

Please download the SMS SDK here:

<http://research.microsoft.com/research/downloads/details/9190f48f-6e3d-4ee8-b4a9-b346db76be1d/details.aspx>

Note, if you are not installing all those optional Windows Updates on XP, you may also need to download and install the .NET Framework 2.0; you can find that here:

<http://www.microsoft.com/downloads/details.aspx?familyid=0856eacb-4362-4b0d-8edd-aab15c5e04f5&displaylang=en>

If you just want to run the Excel sample files to send bulk SMSs and build simple information lookup apps, that's all you need!

If you'd like actually program against the SDK, you'll need a copy of Visual Studio. A free version of the Visual Studio 2005 express can be found here:

<http://msdn.microsoft.com/vstudio/express/downloads/>

Running Excel samples

After installing everything, open the directory:

C:\Program Files\MSR India\SMS Server\Samples

and then run the file: SMS via Excel Sheet.exe

C:\Program Files\MSR India\SMS Server\Samples\SMS via Excel Sheet\SMS via Excel Sheet\bin\Debug\SMS via Excel Sheet.exe

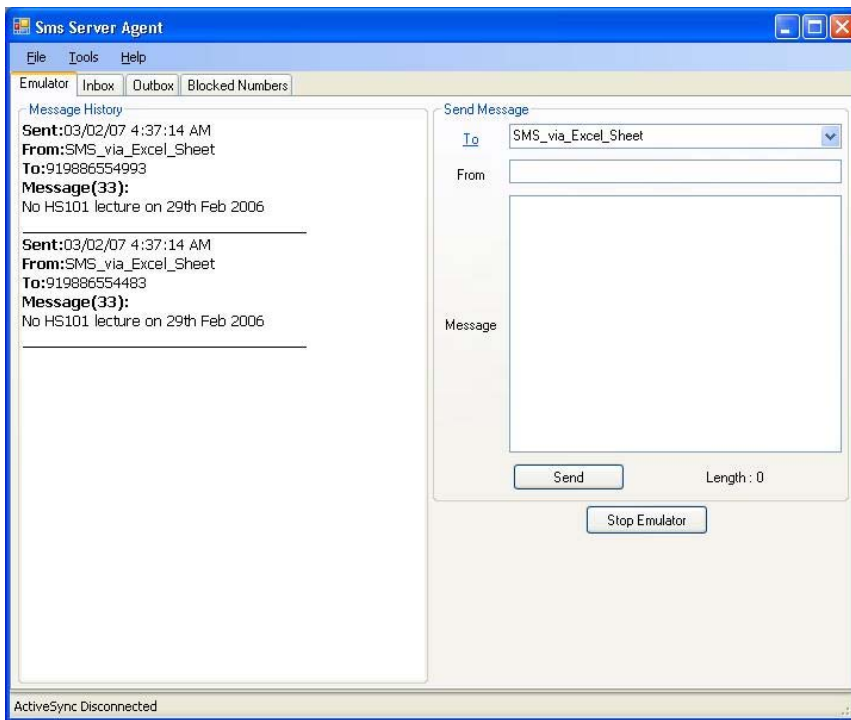
Once you've opened the sample application, choose the excel file you would like to load (you can just use our default one and edit that later too)

The application will load all the numbers specified in the excel. Then just type a message in the application and click send!

The screenshot shows a Windows application window titled 'Form1'. It has a 'File Details' section with a 'FileName' field containing 'C:\Program Files\MSR India\SMS Server\Samples\SM' and a 'Browse' button. Below this is a 'Message' section with a text box containing 'No HS101 lecture on 29th Feb 2006' and a 'Send SMS' button. At the bottom is a 'Details' section containing a table with three columns: 'Name', 'Mobile', and 'Status'.

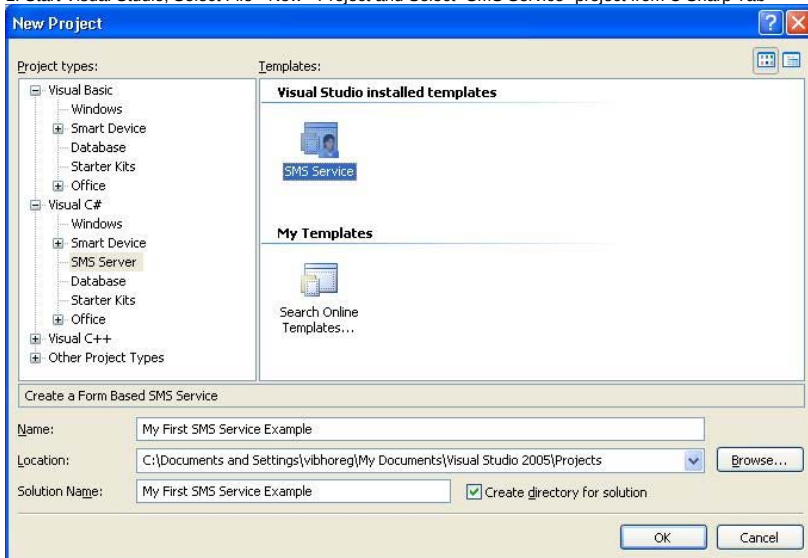
Name	Mobile	Status
Vibhore	919886554993	Not Sent
Sean	919886554483	Not Sent

Here's a picture of our SMS emulator (which is quite useful for you to test your application without actually paying for a bunch of SMSs until it's ready) running the Excel sample.

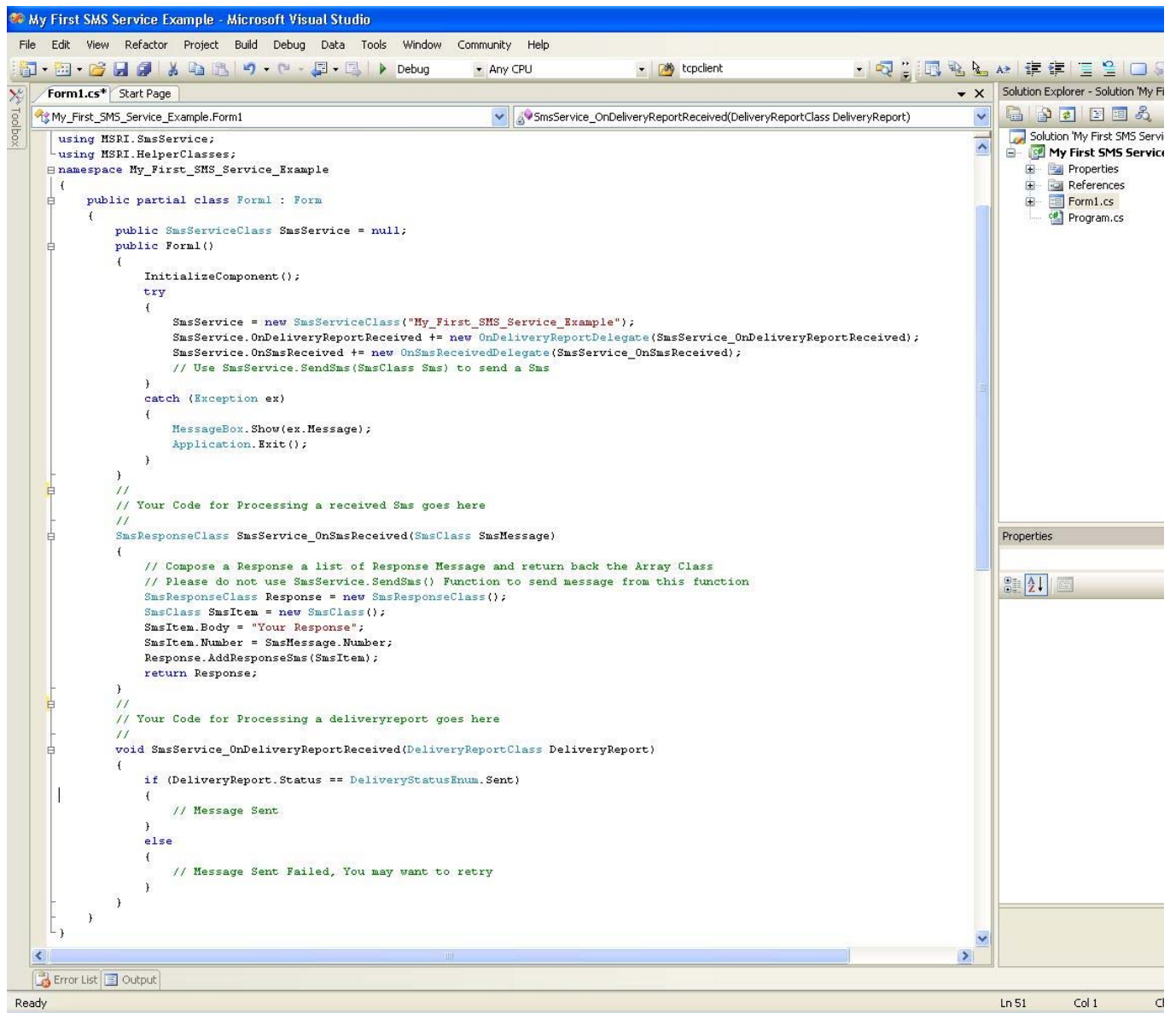


Writing your first SMS Application

1. Start Visual Studio, Select File->New->Project and Select "SMS Service" project from C Sharp Tab



2. You will then get a project which looks something like this - notice it's only about one page of code...

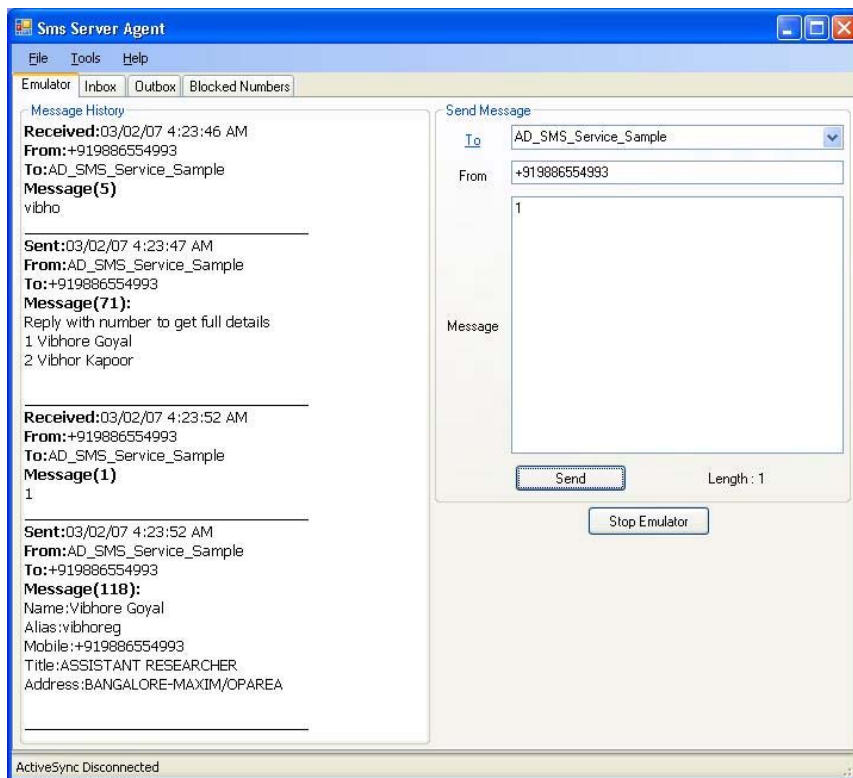


3. Write the code for Sms receive event - your code will be run after you receive an SMS

Other Sample Codes included with this toolkit

Active Directory Look Up

Do a Simple Menu based look up against your Corporate Database.



Doing a weather lookup via SMS and Excel Sheet

Here's an example Excel sheet that the sample parses to build a simple informational lookup SMS application.

E10		Weather in Seattle: Sunny				
	A	C	D	E	F	G
1	Header	Key	Text	ResponseString		
2	Get local weather by replying with the city's letter or a zipcode	S	Seattle	Weather in Seattle: Sunny		
3		O	Oakland	Windy		
4		J	San Jose	Sunny day		
5		L	Los Angeles	LA weather: 62 high, 34 low breezy		
6		D	Denver	Denver weather: 34 high, 20 low, snowy		
7		P	Portland	Portland weather: 72 high, 56 low, cloudy		
8		C	Chicago	Chicago weather: 33 high, 15 low, very snowy		
9		98055	Seattle Downtown	Weather in Seattle: Sunny		
10		98056	Seattle Downtown	Weather in Seattle: Sunny		
11		98057	Seattle Downtown	Weather in Seattle: Sunny		

Here's the application after it's parsed the excel file.

The screenshot shows a Java Swing window titled "Form1". It has a blue title bar with standard window controls. The main content area is divided into two sections. The top section, titled "File Details", contains a "FileName" label followed by a text field containing the path "C:\Program Files\MSR India\SMS Server\Samples\SM". To the right of the text field is a "Browse" button. The bottom section, titled "Details", contains a table with three columns: "Key", "Text", and "ResponseString". The table has four rows of data.

Key	Text	ResponseString
S	Seattle	Weather in Seattle: Sunny
O	Oakland	Weather in Oakland: Windy
J	San Jose	Weather in San Jose: Sunny

And finally an example of what a user might see on their phone (shown here in our emulator).

The screenshot displays the 'Sms Server Application' window. The top menu bar includes 'File', 'Tools', and 'Help'. Below the menu is a tabbed interface with 'Emulator', 'Inbox', 'Outbox', and 'Blocked Numbers'. The 'Emulator' tab is active, showing a 'Message History' list on the left and a 'Send Message' form on the right.

Message History:

- Received:** 03/02/07 4:32:15 AM
From: +919886554993
To: SMS_via_Excel_Sheet_Sample_2
Message(0)
- Sent:** 03/02/07 4:32:15 AM
From: SMS_via_Excel_Sheet_Sample_2
To: +919886554993
Message(74):
Choose a city by replying with the letter
S-Seattle
O-Oakland
J-San Jose
- Received:** 03/02/07 4:32:23 AM
From: +919886554993
To: SMS_via_Excel_Sheet_Sample_2
Message(1)
S
- Sent:** 03/02/07 4:32:23 AM
From: SMS_via_Excel_Sheet_Sample_2
To: +919886554993
Message(25):
Weather in Seattle: Sunny

Send Message Form:

- To:** SMS_via_Excel_Sheet_Sample_2
- From:** +919886554993
- Message:** S
- Buttons:** Send, Stop Emulator
- Length:** 1

At the bottom of the window, a status bar indicates 'ActiveSync Disconnected'.

Hardware Requirement

Application Unlocked Windows Mobile 5.0

To unlock a locked phone please follow these steps

You need a trusted Registry Editor for your Smartphone, you can download "Regedit STG" from

<http://www.spv-developers.com/content/regeditSTG.zip>

After you have downloaded “Regedit STG” the application unlock process can start.

- 1) Unzip the file and copy the regeditSTG.exe in it with ActiveSync into a folder on your phone (but not onto the memory card).
- 2) Now start regeditSTG.exe and change the following Registry Keys:

HKEYLOCALMACHINE\Security\Policies\Policies\00001001 = 2
-> Change the value data from 2 to 1

HKEYLOCALMACHINE\Security\Policies\Policies\00001005 = 16
-> Change the value data from 16 to 40

HKEYLOCALMACHINE\Security\Policies\Policies\00001017 = 128
-> Change the value data from 128 to 144

HKEYLOCALMACHINE \Security\Policies\Policies

-> Add new value "0000101b": Dword = 1

3) After you have done all these steps close Regedit STG with the task manager (TaskMan) of your phone and reboot. That's it.
Your phone is now totally application unlocked.

Also download this tool(make sure u follow step 1-3 before u try this tool)

<http://www.microsoft.com/downloads/details.aspx?FamilyID=7e92628c-d587-47e0-908b-09fee6ea517a&displaylang=en>

and install it on your laptop or PC. Run it and make sure it says your phone is "security off", if it is not just select "security off" from left panel and click "provision".

Last edited Sat at 7:04 PM by [vibhore](#), version 18

Comments

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