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Windows Service Installation

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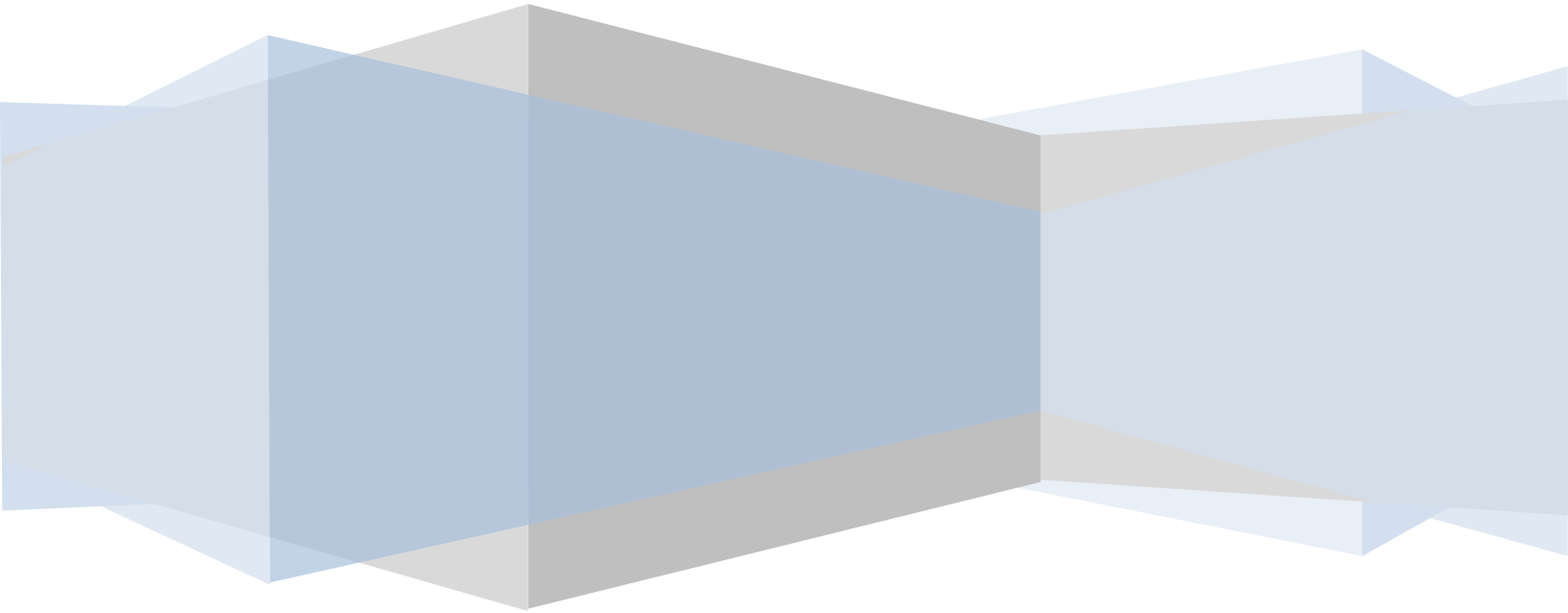

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Prerequisites:

OS: Windows XP, Windows 2003
Database : SQL server 2000 / 2005 / Express
Microsoft .Net framework 2
Download: WindowsService.zip

Initial Setup

Extract the files from the ZIP into a folder '***c:\sms_integration***'

1. Extract the files from the ZIP into a folder c:\sms_integration
    a. Folders:
    WindowsService_Console - (Console version of the service)
    WindowsService_Service - (Windows service)
    b. Files:
    install.bat (installs the service on the local machine)
    sms_service.sql (create tables and stored procedures for the service)

2. Copy files:
    a. ***Windowsservice_service.exe*** from "c:\sms_integration\WindowsService_Service\WindowsService_Service\bin\Release" to "c:\sms_integration
    b. ***Windowsservice_service.exe.config*** from c:\sms_integration\WindowsService_Service\WindowsService_Service\bin\Release" to "c:\sms_integration

3. Run ***install.bat*** file.
    a. This file will add the service to the Windows services and start when Windows starts. The service is running as LOCAL SYSTEM user. The service is not started at current, to start either reboot the machine or find the service in the list of services (right click "my computer" and select "manage") on your computer and manually start it.

Database Settings

1. Create new database called ***sms_service*** in Microsoft SQL server.

2. Run ***SMS_Service.sql*** against ***sms_service*** database using Microsoft SQL Query Analyser or Microsoft SQL Management Studio

3. The ***SMS_Service.Sql*** query creates the following tables:
    a. **Queue** - Insert data into Queue to have the service start sending
    b. **Reply** - All the replies/incoming messages appear here
    c. **Sent** - Data is moved from the QUEUE table to the SENT table once processed
    d. **Shortcode** - All incoming messages from prime rated numbers appear here
    e. **Users -** Table controlling the users/permissions/intervals.
    f. A number of stored procedures are also created. All stored procedures can be altered to perform other operations suited to other business requirements.

Configuration Settings

The following settings can be configured in the C:/sms_integration/WindowsService_Service.exe.config file to accommodate custom database and network settings.

```
  <appSettings>
    <add key="ConnString" value="packet size=4096;user id=sa;initial
catalog=sms_service;persist security info=True;password=xxxxxxx;Data
Source=."/>
    <add key="ProxyServerIP" value=""/>
    <add key="ProxyServerPort" value=""/>
    <add key="ProxyServerDomain" value=""/>
    <add key="ProxyServerUsername" value=""/>
    <add key="ProxyServerPassword" value=""/>
  </appSettings>
```

The following can be altered:

- ConnString – This is the connection to the database.
- ProxyServerIP – If you are behind a proxy server enter the IP or address of the proxy server
- ProxyServerPort – If you have a proxy please enter the Port
- ProxyServerDomain – This is not always required if you are using a proxy server. It all depends on the configuration of the server
- ProxyServerUsername – This is not always required if you are using a proxy server. It all depends on the configuration of the server
- ProxyServerPassword – This is not always required if you are using a proxy server. It all depends on the configuration of the server

Windows Service Test

To send a test SMS and ensure the service is running, the Windows service must be running. If the service is not yet running, restart the machine, or start the service in the list of services.

To send an SMS:

1. Open a query window in SQL Query Analyzer or SQL Management Studio.

2. Execute the following SQL statement,
   ```
   Insert into queue(userid,numto,data1) values(1,27832297941,'testing')
   ```

   userid is the account username.
   numto is the phonenumber the SMS is to be delivered to.
   data1 is the contents of the SMS.

3. An SMS will be sent to the valued specified in ***numto***.