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## SAEAUT SMS Service



### Sending and receiving SMS from / to various applications

SAEAUT SMS Service is an application that allows other client applications to send and receive SMS messages.

#### SAEAUT SMS Service enables:

1. Sending and receiving SMS messages via devices with a GSM modem.
2. Cooperation with other applications via shared database file.

The core functionality is provided by application without user interface implemented as Windows Service. All necessary settings are provided by delivered Configurator application which is also able to function as client application enabling editing and sending of SMS. Another visually alike client application is installable on other computers in the LAN.

#### Main features:

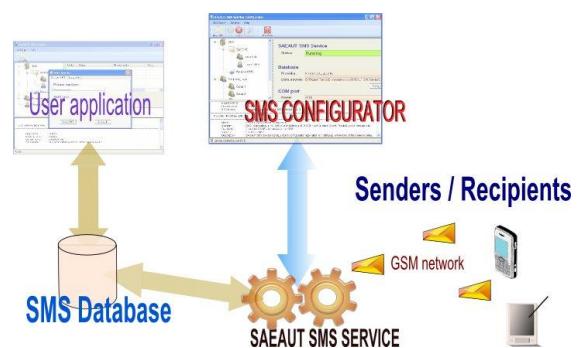
1. Sending SMS message created and saved to the shared database by a client application.
2. Receiving SMS message and saving to the shared database for usage by client applications.
3. It uses PDU format for message transfer to the GSM modem.
4. It communicates with client applications using database file in MS Access format (other databases on demand).
5. It is tested with couple of GSM modems and GSM services providers.

#### It can be used:

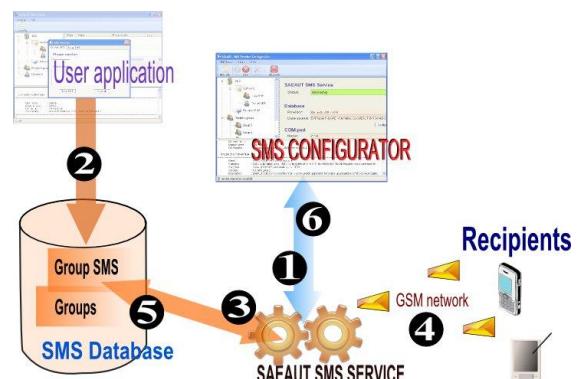
Delivered software package (SMS server, Configurator, desktop client, example web application implemented in ASP.NET for MS IIS web server) can be used:

1. As complete stand alone application for sending /receiving SMS using our example desktop from your computer or another computer in LAN.

2. With our example web client application for writing SMS in web browser, sending it from your web server to the SMS recipient.
3. With your client application which cooperates with SAEAUT SMS service.
4. With another our application **OpcDbGateway** for complex condition based SMS messaging.



#### Sending SMS to defined group of recipients

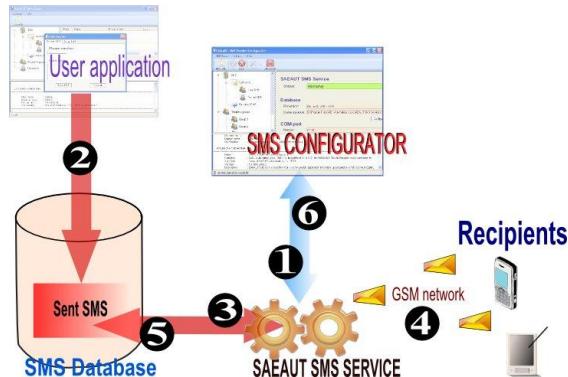


#### Sending SMS to defined user group:

1. The user sets desired configuration of the SMS service through the configuration application:
  - a. Path to database
  - b. Serial port of connected GSM modem
  - c. SIM card specific settings

2. With the help of client application the user creates new SMS messages and stores it in the database. The SMS must contain:
  - a. Recipient group number
  - b. SMS message text
  - c. SMS creation date
3. If SAEAUT SMS Service finds a new SMS to send, it loads all recipients from the given group.
4. When the SMS is ready for processing, it is sent to specified phone number(s).
5. The delivery report/confirmation is stored in the database after the SMS is delivered.
6. The operation results (sending, delivering of SMS) is written in the Event log and shown in the SMS Configurator window.

#### Sending SMS to a specified phone number

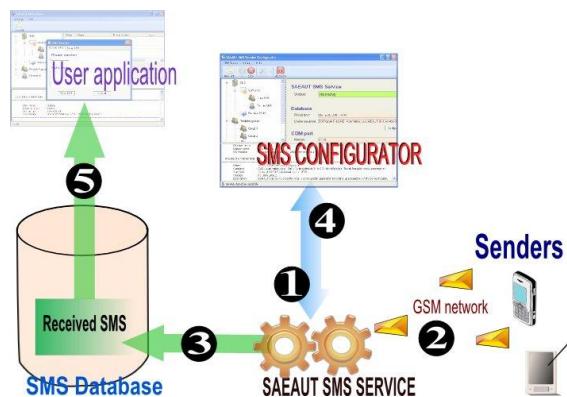


#### Sending user-defined SMS message:

1. The user sets desired configuration of the SMS service through the configuration application:
  - a. Path to database
  - b. Serial port of connected GSM modem
  - c. SIM card specific settings
2. With the help of client application the user creates new SMS messages and stores it in the database. The SMS must contain:
  - a. Recipient group number
  - b. SMS message text
  - c. SMS creation date
3. If SAEAUT SMS Service finds a new SMS to send, it checks if it contains all required data.
4. When the SMS is ready for processing, it is sent to specified phone number(s).

5. The delivery report/confirmation is stored in the database after the SMS is delivered.
6. The operation results (sending, delivering of SMS) is written in the Event log and shown in the SMS Configurator window.

#### Receiving SMS



#### Receiving SMS message

1. The user sets desired configuration of the SMS service through the configuration application:
  - a. Path to database
  - b. Serial port of connected GSM modem
  - c. SIM card specific settings
2. SAEAUT SMS Service loads the SMS message from the GSM modem.
3. Delivered SMS is stored in the database.
4. The delivery report/confirmation is stored in the database after the SMS is delivered.
5. The client application can import the SMS message and process it.