Module instructions: SMS Gateway

Target version: 5.5

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Introduction

Following SMS gateway integration is based on Clickatell (http://www.clickatell.com)- the largest online SMS gateway covering 819 networks in 221 countries and territories. There are several ways how you can connect to Clickatell and send SMS messages, we have chosen the most popular way - HTTPS conection (http://www.clickatell.com/developers/api_http.php). Our goal was to deliver you the base Clickatell API integration which enables you to send SMS messages, that's what we made. However Clickatell gateway also supports some advanced features such as sending bulk SMS messages, receiving message delivery status, pushing MMS messages etc.

Pricing

I am sure the price for a single SMS message is what you are interested in. Unfortunately, SMS messages are **NOT FREE**! See Clickatell message pricing (http://www.clickatell.com/pricing/message_cost.php) for more details. Anyway, I think it's worth it. Their service seems to be really on a high level. We also found no problems while we were testing it. SMS messages were delivered immediately as if they had been sent from the cell phone.

Now let's have a look at the SMS gateway integration package, it includes:

1) SMS gateway

Following two classes represent the base API for sending SMS messages.

SMSMessage.cs - Simple data container representing SMS message.

<u>Properties</u>
string **From** - Phone number the SMS message should be sent from. If not set, phone number from settings is used.
string **To** - Phone number the SMS message should be sent to.
string **Text** - Message text.

SMSProvider.cs - Simple SMS provider which enables you to send SMS messages.

<u>Properties</u>
string **ApiID** - API ID of your Clickatell account. If not se, API ID from settings is used.
string **Login** - Login of your Clickatell account. If not set, login from settings is used.
string **Password** - Password of your Clickatell account. If not set, password from settings is used.

<u>Methods</u>
SendSMS(SMSMessage message) - Ensures Clickatell account authentication (if not already authenticated) and sends specified SMS message

API example:

```
// Initialize SMS message
SMSMessage message = new SMSMessage();
message.From = "123456789";
message.To = "456789123";
message.Text = "This is my first SMS message!";

// Send SMS message
SMSProvider provider = new SMSProvider();
provider.SendSMS(message);
```
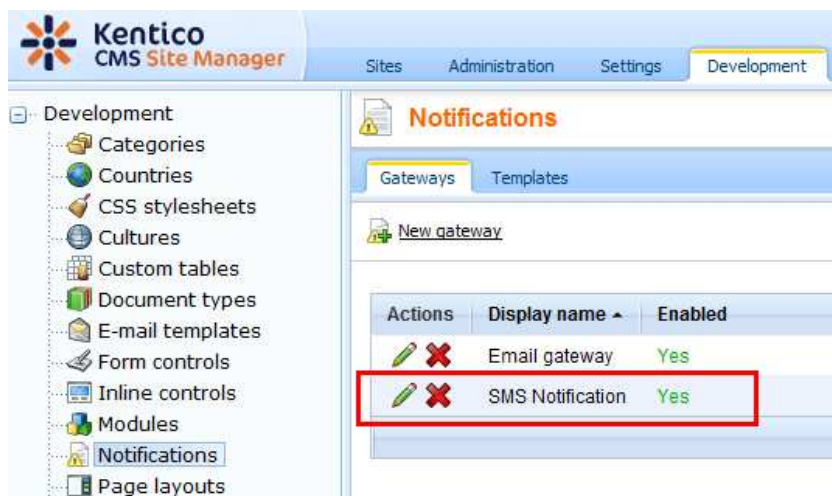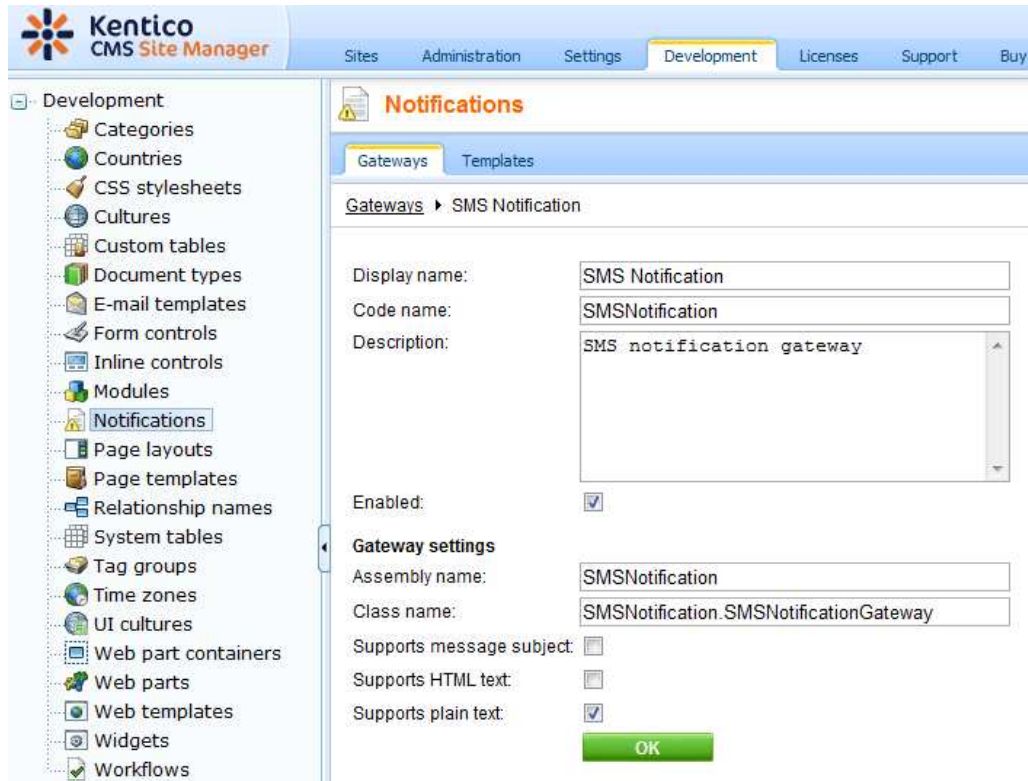
2) SMS notification gateway

Following class represents notification gateway
(http://devnet.kentico.com/docs/devguide/notifications_overview.htm) for sending SMS messages to content
changes.

SMSNotificationGateway.cs - custom nofitification gateway
(http://devnet.kentico.com/docs/devguide/custom_notification_gateway_overview.htm), integration is built on
the customization model described here (http://devnet.kentico.com/Blogs/Petr-Vozak/May-2009/ICQ-
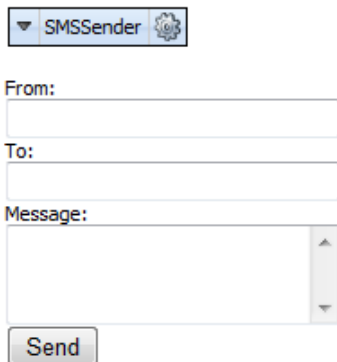gateway-in-Kentico-CMS.aspx). It uses SMSMessage and SMSProvider classes mentioned above.

3) SMS Sender web part

Simple web part which demonstrates how easy is to initialize and send SMS message.
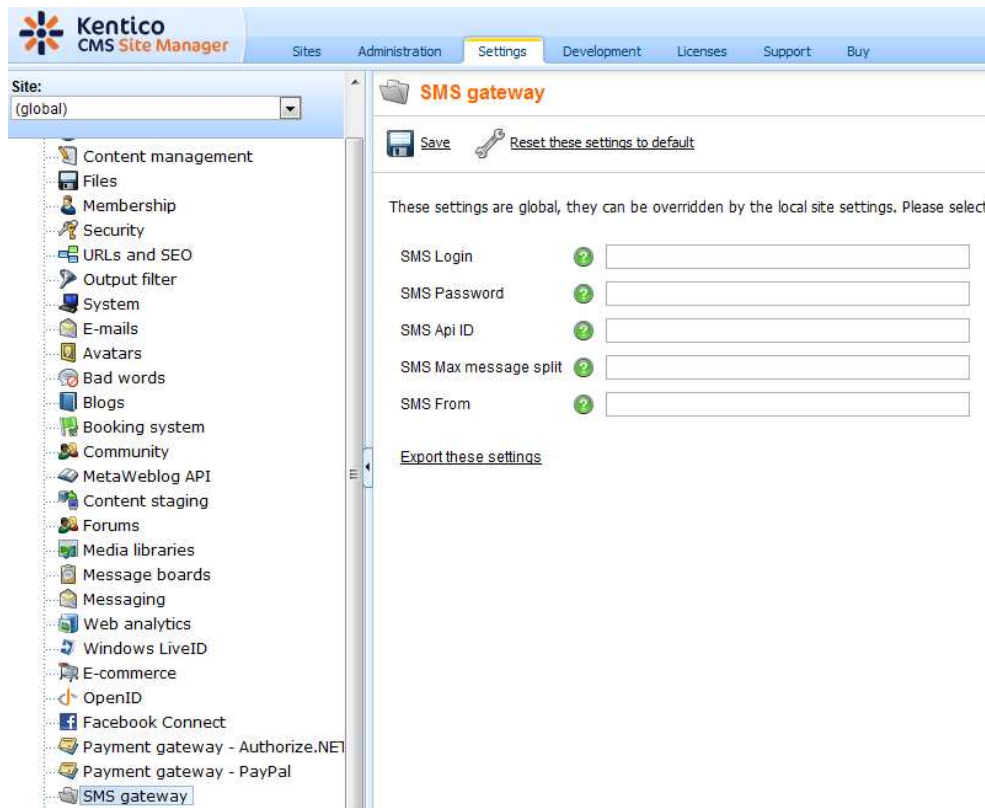

4) SMS gateway settings

Simple web part which demonstrates how easy is to initialize and send SMS

SMS Login - Login of your Clickatell account.

SMS Password - Password of your Clickatell account.

SMS API ID - API ID of your Clickatell account.

SMS From - Phone number the SMS messages are sent from.

Installation instructions

1. Backup your original project so you can restore it in case something goes wrong.

2. Move *export_sms.zip* file into <your web project folder>*/CMSSiteUtils/Import* folder

3. Go to CMS *Site Manager -> Sites* and click *Import site or objects* link.

4. Choose *export_sms.zip* file and import it:

   - SMS notification gateway will be registered in *CMS Site Manager › Development › Notifications* section.

   - New *SMS Sender* web part will be created in *SMS* web part category.

   - New settings will be created in *SMS gateway* category in *Site Manager › Settings*.

5. Copy content of CMS folder into your web project folder:

   - \CMSModules\Notifications\Controls\NotificationSubscription\SMSNotificationSubscription.ascx

   - \CMSModules\Notifications\Controls\NotificationSubscription\SMSNotificationSubscription.ascx.cs

   - \Bin\[ALL DLLs from 5.5 version]

6. **Create your account at Clickatell.com** (https://www.clickatell.com/buy_now.php) and purchase some SMS credit.

7. **Get your API ID** (http://support.clickatell.com/faq.php?mode=view_entry&kbid=31&kbcat=22)

8. Go to CMS Site Manager -> Settings and setup information about your Clicatell account

9. Now you are ready to send SMS messages (you can try SMS Sender web part as simple usage example).

Modifying SMS gateway code

1. Open your web project in Visual Studio and click File -> Add -> Existing project. Locate SMS gateway project folder which is included in the installation package and choose its project file. SMS gateway project will be added to your solution.

2. Remove all the references to the Kentico CMS libraries from the SMS gateway project and replace them with references to the corresponding DLLs from <your web project folder>/Bin folder.

3. Right click Bin folder in your web project folder, choose *Add Reference* option, click the *Projects* tab and choose SMS gateway project.

4. Make your changes to SMS gateway and compile the solution.