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## 2. Overview:

This document is intended for those users who wish to develop applications that make use of criSMS.net SMS Gateway. Sample code is provided at the end of this document.

## 3. HTTP API Introduction:

This is a server-based form of communication to the criSMS.net - gateway. It can be used in the form of an URL (GET). Communication to our API can be done via HTTP on port 80. All calls to the API must be URL-encoded. The parameter names are case sensitive.

## 4. Commands:

In order to send a message with the criSMS.net API, the system will firstly need to authenticate you as a valid user. Therefore you need to fill in your access data for every command.

Basic Command Structure:

<http://gateway.crisms.net/sendsms.php?user=xxx&password=xxx> ...

It consist of the server name (gateway.crisms.net) the wished script (sendsms.php) and the needed fields (user, password, ...).

We currently support two different commands:

- sendsms.php
- getsmsstatus.php

### 4.1.  **sendsms.php Command:**

The *sendsms.php* command is used to submit the data for a SMS to be send. It has the same structure as the basic command (user, password) but has to be called with additional fields. The phone number has to be in one of the following formats.

The first format is the split number (= countrycode, provider and number) and consist of three parts:

- countrycode: the telephone code for the desired country without leading + or 00
- provider: the number of the provider
- number: the number of the subscriber

The second way is to submit the whole number in one field (mobnumber) and so here only one field is needed:

- mobnumber: the complete number of the subscriber (for example 43664123456) without leading + or 00

**Be aware: It is recommended to use the first way with the split number because of possible checks like coverage and so on.**

In both ways you have to supply the gateway with following additional fields:

- message: The text of the SMS; up to 459 characters
- from: the sender id; for example your telephone number (up to 16 digits) or your company name (up to 11 characters)

If the length of the text exceeds 160 characters the message will be split into several SMS but with the concatenation flag activated. This means that the receiver does not notice the splitting and it will look like one received SMS. The user will be charged according to the amount of SMS used to transmit the text. For one to 160 characters one Credit, for up to 306 characters 2 credits and from 306 to 459 characters 3 credits are will be charged.

In return you will receive either the unique id of the message or the message ERROR with the description.

**Returns:**

*ID:xxxxxxxxxxxxxxxxxxxxxx* on success  
*ERROR* and/or description on failure

**4.2. getsmsstatus.php Command:**

In order to track the status of the messages without using the web interface of criSMS.net – Premium you can use this command. By using the unique id of the message which was returned at the sendsms.php command you can get the status code for each successfully submitted SMS.

Status codes are listed at the end of this document.

This command does not need user and password. You only have to provide the unique id (msgid) of the message:

- msgid: the unique message id of the message

**Returns:**

*ID: xxxx Status: xxxx*  
or  
*ERR: Error number*

## 5. Status Codes:

Status number	Description
001	Message unknown
002	Message queued
003	Message delivered
005	Error with message
009	Routing Error
010	Message Expired
011	Message queued for later delivery

## 6. Examples:

Here you will see two examples how to integrate the gateway into your own application. This sample code is written in PHP. All values in these examples should be replaced by your own values.

### Example code in PHP for sending a SMS:

```
<?php
$baseurl = "http://gateway.crisms.net";
$user = urlencode("user");
$password = urlencode("password");
$from = urlencode("from myself");
$message = urlencode("hello what's going on?");
$countrycode = urlencode("12");
$provider = urlencode("123");
$number = urlencode("123456");
$url = $baseurl."/sendsms.php?user=".$user."&password=".$password.
"&from=".$from."&countrycode=".$countrycode.
"&provider=".$provider."&number=".$number.
"&message=".$message;

// do sendmsg call
$ret = fetchURL($url);
$send = split(":",$ret);

if ($send[0] == "ID") {
    // Message was submitted to gateway successfully
    echo ($ret);
}
else {
    // There was an ERROR
    echo ($ret);
}

function fetchURL( $url ) {
    $url_parsed = parse_url($url);
    $host = $url_parsed["host"];
    $port = $url_parsed["port"];
    if ($port==0)
        $port = 80;
    $path = $url_parsed["path"];
    if ($url_parsed["query"] != "")
        $path .= "?".$url_parsed["query"];

    $out = "GET $path HTTP/1.0\r\n";
    $out .= "User-Agent: gateway script\r\n";
    $out .= "Host: " . $host . "\r\n";
    $out .= "\r\n";

    //Open the socket
    $fp = fsockopen($host, $port, $errno, $errstr, 30);
```

```
    if (!$fp)
        echo "$errstr ($errno)<br>\r\n";
    else {
        fwrite($fp, $out);
        $body = false;
        while (!feof($fp)) {
            $s = fgets($fp, 1024);
            if ( $body )
                $in .= $s;
            if ( $s == "\r\n" )
                $body = true;
        }
        fclose($fp);
        return $in;
    }
}
?>
```

### Example code in PHP for querying the status of a message:

```
<?php
$baseurl = "http://gateway.crisms.net";
$msgid = urlencode("123456");

$url = "$baseurl/getsmsstatus.php?msgid=$msgid";

// do sendmsg call
$ret = fetchURL ($url);
echo $ret;
$stat = split(":",$ret);

// here we have the message status alone
echo $stat[2];

function fetchURL( $url ) {
    $url_parsed = parse_url($url);
    $host = $url_parsed["host"];
    $port = $url_parsed["port"];
    if ($port==0)
        $port = 80;
    $path = $url_parsed["path"];
    if ($url_parsed["query"] != "")
        $path .= "?".$url_parsed["query"];

    $out = "GET $path HTTP/1.0\r\n";
    $out .= "User-Agent: gateway script\r\n";
    $out .= "Host: " . $host . "\r\n";
    $out .= "\r\n";

    //Open the socket
    $fp = fsockopen($host, $port, $errno, $errstr, 30);
    if (!$fp)
        echo "$errstr ($errno)<br>\r\n";
    else {
        fwrite($fp, $out);
        $body = false;
        while (!feof($fp)) {
            $s = fgets($fp, 1024);
            if ( $body )
                $in .= $s;
            if ( $s == "\r\n" )
                $body = true;
        }
        fclose($fp);
        return $in;
    }
}
?>
```

## **7. Contact**

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