SMS/Content Exchange (HTTPS)

Open API Version 5.10

October 2025

Introduction

The **MDTECH SMS/Content Exchange OpenAPI** provides a secure and standardized interface for enterprises, government departments, and application service providers to send SMS messages and content through the internet using HTTPS.
It is designed for high reliability, performance, and ease of integration across a wide range of business and communication platforms.

Purpose and Use Cases

This API enables organizations to automate and scale their messaging needs through a simple HTTPS interface.
Typical use cases include:

- One-time password (OTP) and verification messages
- Customer alerts, billing notifications, and promotional campaigns
- System monitoring alerts and emergency broadcasts
- Appointment, delivery, or service reminders

By supporting both **ASCII** and **Unicode (UTF-8)** message formats, the API can deliver multilingual messages, including Traditional and Simplified Chinese, Japanese, and other non-Latin languages.

Architecture Overview

All requests are transmitted securely through MDTECH’s redundant gateway infrastructure.
Each request is authenticated using assigned credentials and validated before routing to mobile operator networks.
The system automatically manages message queuing, delivery retries, and result reporting.
Delivery reports and transaction statuses can be retrieved via dedicated query APIs or received directly through a push callback interface.
To ensure continuous availability, the production environment operates on **dual HTTPS domains** with built-in failover capability.

Security

All communications are protected with **TLS 1.2 or higher**, ensuring end-to-end encryption and data integrity. Older TLS versions are not supported due to industry deprecation and known vulnerabilities.

Compatibility

The OpenAPI is compatible with most modern development environments, including **.NET (C#/VB)**, **Java**, **PHP**, and **Python**.
It supports both **RESTful HTTPS requests** and **Email-to-SMS** gateway methods for flexible integration.
Developers are encouraged to implement **automatic retry and domain failover logic** for optimal reliability.

API Domain Name

HTTPS

TLS Security Requirements

Supported TLS Versions

To ensure secure communication, all HTTPS connections to the API **must use TLS 1.2 or TLS 1.3**. Older versions such as **TLS 1.1 and below are not supported**, as they have been deprecated due to security vulnerabilities.

TLS Deprecation Timeline

- **TLS 1.0 and TLS 1.1** were deprecated by major browsers and industry standards in **March 2020**.
- **TLS 1.2**, introduced in 2008, remains widely used and is recommended for secure connections.
- **TLS 1.3**, released in 2018, provides improved security and performance and is the preferred option where supported.

Why TLS 1.1 and Below Are No Longer Supported

TLS 1.0 and 1.1 suffer from known vulnerabilities, including:

- **BEAST attack (CVE-2011-3389)** – A vulnerability affecting CBC-mode ciphers in TLS 1.0.

- **POODLE attack (CVE-2014-3566)** – Exploits weaknesses in SSL 3.0 and impacts TLS 1.0.
- **Weak cryptographic algorithms** – Older versions allow weaker ciphers that do not meet modern security standards.

Ensuring Compatibility

- Ensure that your server or application **explicitly enables TLS 1.2 or 1.3**.
- Older operating systems and software may not support TLS 1.2+ by default. Check and update configurations accordingly.
- If using Java, .NET, or OpenSSL, verify that your version supports TLS 1.2/1.3 and update if necessary.

For more details on TLS deprecation, refer to **IETF RFC 8996 https://www.rfc-editor.org/rfc/rfc8996.pdf**.

Primary API Domain:

https://www.mdtechcorp.com

SSL Certificate Installation Guide

To establish a secure connection, clients must **download and install the SSL certificate** from the HTTPS domain they are connecting to. Follow these steps for proper installation:

- **Installing the Primary CA Certificates (For Some Older Java SDKs)**
- **Download the Primary Certification Authority Certificate from domain URL**
- **Save the Certificate**
  Copy the contents of the downloaded file and paste them into a new text file using Notepad (Windows) or Vi (Linux).
- Save the file as **primary_EV_inter.cer**.
- **Import the Certificate into the Keystore**
  Run the following command to import the certificate into your Java keystore:
- *keytool -import -trustcacerts -alias EV_root -keystore <your_keystore_filename> -file primary_EV_inter.cer*
- **Restart the Application**
  After importing the certificate, restart your application to ensure that it correctly resolves the certificate chain.

For more details, always check the latest certificate requirements from the **HTTPS domain you are connecting to**.

Second API Domains:

https://www.md-sms.com

https://www.mds.ms

With 2048 Bits RSA SSL Certificates

Production Environment: Requirement to Use Two Domains

For production deployments, clients must configure two domains when integrating with the API. This ensures high availability and failover protection.

Why Two Domains Are Required

1. Redundancy & High Availability
    - If one domain becomes temporarily unavailable due to maintenance, network issues, or unexpected downtime, the second domain ensures uninterrupted service.
2. Load Balancing
    - Distributing traffic across two domains helps manage API load, reducing latency and improving response times.
3. Disaster Recovery
    - In case of a major infrastructure failure affecting one domain, the second domain acts as an automatic fallback.

How to Implement Dual-Domain Configuration

- Always switch to the secondary domain when detecting API failures on the primary domain.
- Configure automatic retry logic in your application to handle domain switching.
- Regularly monitor the status of both domains to ensure seamless operation.

SMS Sending API

IP Requirement

Dynamic IP or Fixed IP (Recommend)

Protocol

HTTPS

URL

https://www.mdtechcorp.com/openapi/?destinatingAddress=<destinatingAddress/>&username=<username/>&password=<password/>&SMS=<SMS/>&originatingAddress=<originatingAddress/>&type=<type/>&sendDate=<sendDate/>&returnMode=<returnMode/>&sentDirect=<sentDirect/>&udh=<udh/>&dcs=<dcs/>&expireDate=<expireDate/>&sendPeriodStart=<sendPeriodStart/>&sendPeriodEnd=<sendPeriodEnd/>&userRef=<userRef/>&returnMulti=<returnMulti/>

Method

POST or GET

Parameters

No.	Parameter	Details
1	<destinatingAddress/>	**The recipient's mobile number. Country code and area code are required (e.g., 85298765432 for Hong Kong). Multiple numbers can be separated by semicolons (;) when using HTTP or HTTPS. Example: 85298765432;85291234567.**
2	<username/>	**Your assigned API account username.**
3	<password/>	**Your assigned API account password.**
4	<SMS/>	**Message content to send. For Unicode messages, each SMS can contain up to 70 characters; for ASCII (GSM-7), up to 160 characters. Messages exceeding these limits will be split and billed as multiple messages. All non-English text must be URL-encoded Unicode.** **For Example,** **"網頁" => %26%2332178%3B%26%2338913%3B** **"网页" => %26%2332593%3B%26%2339029%3B**
5	<originatingAddress/>	**The sender ID or originating address displayed on the recipient's device. Required if replies are expected.**
6	<type/> Default: 1	**(default: 0) It is transaction type. It set to "1" indicate that it is text message.** **Please set <type/> to 1 for sending text SMS.**

7	<sendDate/> Default: now	**(Optional, default: immediate) Scheduled send date/time in format DDMMMYYYY hh:mm:ss (e.g., 04Apr2025 15:30:33). If not specified, the message is sent immediately.**
8	<returnMode/> Default: 0 0 or 1	**(Optional, default: 0) Defines the return value of the API response:** **0 – Return legacy code (“0” for success)** **1 – Return transaction ID on success** **If you need to confirm each SMS can submitted to the server, the <returnMode/> must be set to 1.** **This option only can use with single destination submitting. If multi-destination submitting is used, this option will be ignored and “0” will return when the submission is successful.**
9	<sentDirect/> Default: 1 0 or 1	**(Optional, default: 1) Sending mode:** **0 – Buffered mode (lower connection load, ~30–60s delay)** **1 – Direct mode (faster delivery, but higher chance of connection timeout).**
10	<udh/>	**(Optional) User-defined header in hexadecimal format. Required for binary SMS or WAP Push. Example: 05040B8423F0.**
11	<dcs/> Default: 0	**(Optional, default: 0) Data Coding Scheme (DCS) value in decimal format. Example: 245 for WAP Push.**
12	*<expireDate/>*	**(Optional, default: never) Expiry date/time in format DDMMMYYYY hh:mm:ss. Messages not delivered before this time will be canceled.**
13	*<sendPeriodStart/>*	**(Optional. Default: Any Time) You can set time period of sending SMS. It must use together with *<sendPeriodEnd/>*.If SMS cannot send between *<sendPeriodStart/> and <sendPeriodEnd/>*, the SMS will send on next day between *<sendPeriodStart/> and <sendPeriodEnd/> again*. The format is “hh:mm:ss”, i.e. 15:30:33.** **If you not use this parameter, the SMS will send at any time base on other parameters.** **If only set *<sendPeriodStart/> without setting <sendPeriodEnd/>*, this parameter will be omitted.**
14	*<sendPeriodEnd/>*	**(Optional. Default: Any Time) You can set time period of sending SMS. It must use together with < *sendPeriodStart* />.If SMS cannot send between *<sendPeriodStart/> and <sendPeriodEnd/>*, the SMS will send on next day between *<sendPeriodStart/> and <sendPeriodEnd/> again*. The format is “hh:mm:ss”, i.e. 15:30:33.**

		If you not use this parameter, the SMS will send at any time base on other parameters. **If only set *<sendPeriodEnd/> without setting <sendPeriodStart/>*, this parameter will be omitted.**
15	<userRef/>	**(Optional)User Reference Number. Reference number for user local marking. It is not processed by system, but it can display on result of transaction API. Reference number can be any 20 characters long string. All non-English reference should be formatted in Unicode with URL Encoding.** **For Example,** **“網頁” => %26%2332178%3B%26%2338913%3B** **”网页” => %26%2332593%3B%26%2339029%3B encoding. For example, reference1.** **For HTTPS protocol, it support multi-reference for multi-destination address submit at a once by using semicolon “;”. i.e. reference1;reference2.**
16	<returnMulti/> Default: 0 0 or 1	**(Optional, default: 0) Accept value 1 or 0.** **“0” – Only return 1 last result for multi-submission.** **“1” – return all submission result by separate by semi-colon. i.e. XXXX;XXXX…**
17	<dnc/> Default: 0 0 or 1	**(Optional, default: 0) Do-Not-Call (DNC) filtering option:** **0 – No filtering** **1 – Filter out all numbers registered under OFCA DNC list.**
18	**<validityPeriod/>** **Default: 48** **Range: 6 to 72**	**(Optional, default: 48) It is time in hours. How many hours the SMS will store in the operators SMS Center before it give up to delivery. If the mobile is not ready to receive SMS, the SMS will stored in the operators’ SMS center and wait for the mobile ready. If the period over, the SMS will fail to delivery and return Expired status.**

Return Code

Code”0” indicates transaction success.

Any other negative indicate transaction failed.

If you need to confirm each SMS can submitted to the server and have negative error code, the <returnMode/> must be set to 1.

If the <returnMode/> is 0, it will always return 0

No	Code	Details
1	0 / Great than 0 Transaction ID	Success
2	-1	Wrong Destination Address
3	-2	Account Information/username/IP/password incorrect.
4	-3	Content ID incorrect
5	-4	Destination Number not all correct
6	-7	Destination Number Block by OFTA
7	-8	Wrong Origination Address
8	-100	Internal Error, please contact support.

Example

HTTPS

Text SMS

https://www.mdtechcorp.com/openapi/?destinatingAddress=91234567;98765432&

username=vip&password=unknown&SMS=%26%2324744%3B%26%2322909%3B

%20!!&originatingAddress=98765432&type=1&

returnMode=1&sendDate=04Apr2006%2012:27:00&sentDirect=1&expireDate=08JUN2007%2016:30:33&sen

dPeriodStart=16:00:33&sendPeriodEnd=17:30:33

PHP Send SMS with UTF-8 Example

```
<?
function he2str($he){
	$tmpHe = $he;
	$output = "";
	for($i=0; $i<strlen($tmpHe); $i=$i+1){
		if($i < strlen($tmpHe)-6){
			$tmpCh = substr($tmpHe, $i, 2);
		}else{
			$tmpCh="";
		}
		if($tmpCh == "%u"){
			$output = $output."&#x".substr($tmpHe, $i+2, 4).";";
			$i=$i+5;
		}else{
			$output = $output.substr($tmpHe, $i, 1);
		}
	}

	return $output;
}

function html_entity_decode_utf8($string)
{
    static $trans_tbl;

    // replace numeric entities
```

```
    $string = preg_replace('~&#x([0-9a-f]+);~ei', 'code2utf(hexdec("\\1"))', $string);
    $string = preg_replace('~&#([0-9]+);~e', 'code2utf(\\1)', $string);

    // replace literal entities
    if (!isset($trans_tbl))
    {
        $trans_tbl = array();

        foreach (get_html_translation_table(HTML_ENTITIES) as $val=>$key)
            $trans_tbl[$key] = utf8_encode($val);
    }

    return strtr($string, $trans_tbl);
}
function code2utf($num)
{
    if ($num < 128) return chr($num);
    if ($num < 2048) return chr(($num >> 6) + 192) . chr(($num & 63) + 128);
    if ($num < 65536) return chr(($num >> 12) + 224) . chr((($num >> 6) & 63) + 128) . chr(($num & 63) + 128);
    if ($num < 2097152) return chr(($num >> 18) + 240) . chr((($num >> 12) & 63) + 128) . chr((($num >> 6) &
63) + 128) . chr(($num & 63) + 128);
    return '';
}


function uniord($ch) {

    $n = ord($ch{0});

    if ($n < 128) {
        return $n; // no conversion required
    }

    if ($n < 192 || $n > 253) {
        return false; // bad first byte || out of range
    }

    $arr = array(1 => 192, // byte position => range from
                 2 => 224,
                 3 => 240,
                 4 => 248,
                 5 => 252,
                 );

    foreach ($arr as $key => $val) {
        if ($n >= $val) { // add byte to the 'char' array
            $char[] = ord($ch{$key}) - 128;
            $range  = $val;
        } else {
            break; // save some e-trees
        }
    }

    $retval = ($n - $range) * pow(64, sizeof($char));

    foreach ($char as $key => $val) {
        $pow = sizeof($char) - ($key + 1); // invert key
        $retval += $val * pow(64, $pow);   // dark magic
    }

    return $retval;
}

function fillZero($str){
                if(strlen($str) < 1){
                                return "0000";
                }else if(strlen($str) < 2){
                                return "000".$str;
                }else if(strlen($str) < 3){
                                return "00".$str;
                }else if(strlen($str) < 4){
                                return "0".$str;
                }else{
                                return $str;
                }
}

function getUTF8($str){
                $output = "";
                $encStr = $str;
                for($i=0; $i<strlen($str); $i=$i+1){
                                $tmpCh = uniord($encStr);
                                if($tmpCh){
```

```
                                        if($tmpCh > 254){
                                                $encStr = substr($encStr, 3, strlen($encStr)-3);
                                                $i = $i + 2;
                                        }else{
                                                $encStr = substr($encStr, 1, strlen($encStr)-1);
                                        }
                                        $tmpCh = strtoupper(dechex($tmpCh));
                                        $tmpCh = fillZero($tmpCh);
                                        $output = $output."&#x".$tmpCh.";";
                                }else{ //Unknown charaters
                                        $output = $output.substr($encStr, 0, 1);
                                        $encStr = substr($str, 1, strlen($encStr)-1);
                                }
                        }
                        return $output;
}

echo he2str("%u524D%u5F71123456");
echo "<br>";
echo html_entity_decode_utf8(he2str("%u524D%u5F71123456"));
echo "<br>";
echo getUTF8(' 2010因為功能情報を掲載する際には、あらゆる面から細心');
echo "<br>";
echo urlencode(getUTF8(' 2010因為功能情報を掲載する際には、あらゆる面から細心'));
echo "<br>";
$URL =
"https://www.mdtechcorp.com/openapi/?username=vip&password=unknown&originatingAddress=&destinatingAddress=8529
8765432&sms=".urlencode(getUTF8('2010因為功能情報を掲載する際には、あらゆる面から細心'))."&returnMode=1&type=1"
curl($URL);

?>
```

ASP/ASP.NET/VB Send SMS with UTF-8 Example

```
<html><body><span style="font-family:arial;font-size:10pt">
ASP SMS Encoding and Sending Demo<br><%

'==== Username Information
Dim destination:destination = "91112345"
Dim username:username = ""
Dim password:password = ""

'==== Example Content
dim str
str="你好嗎?"
dim str2
str2="你好吗?"
dim str3
str3="你好吗Good Morning?深水埗邨~にほんご"

dim msg:msg = str3

Function chinese2unicode(Str )
    Dim Str_one:Str_one = ""
    Dim Str_unicode:Str_unicode = ""
    For i  = 1 To Len(Str)
        Str_one = Mid(Str, i, 1)
        If AscW(Str_one) < 0 or AscW(Str_one) > 255 Then
            Str_unicode = Str_unicode & Chr(38)
            Str_unicode = Str_unicode & Chr(35)
            Str_unicode = Str_unicode & Chr(120)
            Str_unicode = Str_unicode & Hex(AscW(Str_one))
            Str_unicode = Str_unicode & Chr(59)
        Else
            Str_unicode = Str_unicode & Str_one
        End If
    Next
    chinese2unicode=Str_unicode
End Function

'======== For Send the SMS by HTTP request ===========
URL =
"https://www.mdtechcorp.com/openapi/?username="&username&"&password="&password&"&originatingAddress=&destinati
ngAddress="&destination&"&returnMode=1&type=1&sms="
URL = URL & Server.URLEncode(chinese2unicode(msg))

 ' Create the xml object

Set GetConnection = CreateObject("Microsoft.XMLHTTP")
```



```
 ' Conect to specified URL
GetConnection.Open "get", URL, False
GetConnection.Send

 ' ResponsePage is the response we will get when visiting GotothisURL
 ResponsePage = GetConnection.responseText

%>String1<br><%=chinese2unicode(str)%>
<br>String2<br>
<%=chinese2unicode(str2)%>
<br>String3<br>
<%=chinese2unicode(str3)%><br>
SMS Send URL:<br>
<%=URL%>
SMS Send Result:<br>
<%=ResponsePage%>

</span></body></html>
```

Java Encoding UTF-8 SMS Example

```
public class Tools {
    public static String URLEncode(final String inStr) {
        String output = inStr;
        if (inStr != null) {
            try {
                output = URLEncoder.encode(inStr, "UTF-8");
            } catch (java.io.UnsupportedEncodingException ex) {
                ex.printStackTrace();
            }
        } else {
            output = "";
        }
        return output;
    }

    public static String str2Unicode(String strIn) {
        int i;
        String strResult = "", strTemp = "";
        for (i = 0; i < strIn.length(); i++) {
            strTemp = strIn.substring(i, i + 1);
            if (strTemp.charAt(0) = 0 && strTemp.charAt(0) <= 255) {
                strResult = strResult + strTemp;
            } else {
                strResult = strResult + "&#x"
                        + Integer.toHexString(strTemp.charAt(0)) + ";";
            }
        }
        return strResult;
    }
}
Tools.URLEncode(Tools.str2Unicode(msgSMSContent));
```

C# (.NET 6+ / ASP.NET) Example

```
using System;
using System.Net;
using System.Text;

class Program {
    static void Main() {
        string username = "vip";
        string password = "unknown";
        string mobile = "85298765432";
        string message = "中文測試 ABC123";

        string unicode = ToUnicode(message);
        string encoded = Uri.EscapeDataString(unicode);

        string url = $"https://www.mdtechcorp.com/openapi/?" +
                     $"username={username}&password={password}" +
                     $"&destinatingAddress={mobile}&sms={encoded}" +
                     $"&returnMode=1&type=1";

        using var client = new WebClient();
```

```
        string result = client.DownloadString(url);
        Console.WriteLine("Result: " + result);
    }

    static string ToUnicode(string input) {
        var sb = new StringBuilder();
        foreach (char c in input)
            sb.Append(c > 255 ? $"&#x{(int)c:X4};" : c);
        return sb.ToString();
    }
}
```

. VB.NET Example

```
Imports System.Net
Imports System.Text

Module Module1
    Sub Main()
        Dim username = "vip"
        Dim password = "unknown"
        Dim mobile = "85298765432"
        Dim message = "中文測試ABC123"

        Dim unicode = ToUnicode(message)
        Dim encoded = Uri.EscapeDataString(unicode)

        Dim url = "https://www.mdtechcorp.com/openapi/?" &
            "username=" & username & "&password=" & password &
            "&destinatingAddress=" & mobile &
            "&sms=" & encoded & "&returnMode=1&type=1"

        Dim client As New WebClient()
        Dim result = client.DownloadString(url)
        Console.WriteLine("Result: " & result)
    End Sub

    Function ToUnicode(str As String) As String
        Dim sb As New StringBuilder()
        For Each c As Char In str
            If AscW(c) > 255 Then
                sb.Append("&#x" & AscW(c).ToString("X4") & ";")
            Else
                sb.Append(c)
            End If
        Next
        Return sb.ToString()
    End Function
End Module
```

SMS Get Transactions API

IP Requirement

Dynamic IP or Fixed IP (Recommend)

Protocol

HTTPS

URL (HTTPS)

https://www.mdtechcorp.com/openapi/getTransaction/?username=<username/>&password=<password/>&startDate=<startDate/>&endDate=<endDate/>&transid=<TransID/>&report=<report/>&mode=<mode/>

Method

POST or GET

Parameters

No.	Parameter	Details
1	<username/>	Username of your account.
2	<password/>	Password of your account
3	<startDate/> Period Start Date Optional Possible Value: Date with day and time parts. If you not specify the time part. The default time will set at 00:00:00.	(Optional) Transaction Start Reading Date. If not exist or incorrect date is passed. The default date will be used. Default is Today with time “00:00:00”
4	<endDate /> Period End Date Optional Possible Value: Date with day and time parts. If you not specify the time part. The default time will set at 00:00:00.	(Optional) Transaction End Reading Date. If not exist or incorrect date is passed. The default date will be used. Default is Today with time “23:59:59”
5	<TransID /> Transaction ID Optional Possible Value(int): Integer larger than zero	TransactionID from Send SMS API. If it exists, only record will this transaction ID will return.
6	<userRef/>	Reference number for user local marking. It is not processed by

	User Reference Number Optional	**system, but it can display on result of transaction API. Reference number can be any 20 characters long string. All non-English reference should be formatted in Unicode with URL Encoding. For Example, “網頁” => %26%2332178%3B%26%2338913%3B ”网页” => %26%2332593%3B%26%2339029%3B encoding. For example, reference1. It not supports multi-reference for multi-transaction. If there is more than one identical User Reference, the latest transaction will be returned. Only one at most one transaction record return when using this parameter.**
7	<report/> Include Report Section Optional Default: 0 Possible Value(int): 0 or 1	**It is an optional function for SMS services. If value is 1, there will have three more column return as follow. Origination Address, Report Message, Report Date**
8	**<mode/> Optional Default: 0 Possible Value(int): 0 or 1**	**If value is 1, return records return as CSV format. All fields will be enclosed within double-quote characters, and each of the embedded double-quote characters will be represented by a pair of double-quote characters.**

Return Code

Transaction columns title as below:

Transaction ID, Destination Address, Message, Report Sent Date from Operator, Add Date, Charge Unit, Is Cancelled, User Reference, Remarks

Transaction columns title as below if report value set to [1]:

Transaction ID, Destination Address, Message, Report Sent Date from Operator, Add Date, Charge Unit, Is Cancelled, User Refer, Remarks, Origination Address, Report Message, Report Date

Any other negative indicate transaction failed.

No	Code	Details
1	Result Return	**Success**
2	-2	**No Information or Account Information/username/IP/password incorrect.**
3	**-100**	**Internal Error, please contact support.**

Transaction Columns Description		
No	Columns	**Details**
1	Transaction ID	**Transaction ID for each record and it is unique ID for each record.**
2	Destination Address	**Recipients Mobile Numbers**
3	Message	**Message for delivery**
4	Report Sent Date from Operator	**Date Submitted to operators. If the sent date not exists, it means the message has not submitted to operators or submitting to operators failed. You can refer to [Is Cancelled] column and [remarks] check for the failed reason.**
5	Add Date	**Record Create Date. It also a date for receiving the sending request.**
6	Charge Unit	**How many physical SMS will needed for the transaction. It also used for billing on SMS**
7	Is Cancelled	**Please refer to Cancel Transaction API -> Return Code section.**
8	User Reference	**Reference number for user local marking when submitting message.**
9	Remarks	**System Remarks. You can check remarks for additional message for message status.**
10	Origination Address	**Preferred sender ID for each message.**
11	Report Message	**Message Delivery Report message**
12	**Report Date**	**Message Delivery Report return date**

Example

HTTPS

https://www.mdtechcorp.com/openapi/getTransaction/?username=vip&password=unknown&startDate=1jan2006&endDate=30jan2006

SMS Get Transactions Status API

IP Requirement

Dynamic IP or Fixed IP (Recommend)

Protocol

HTTPS

URL (HTTPS)

https://www.mdtechcorp.com/openapi/getTransactionStatus/?username=<username/>&password=<password/>&startDate=<startDate/>&endDate=<endDate/>&transid=<TransID/>&option=<option/>

Method

POST or GET

Parameters

No.	Parameter	Details
1	<username/>	Username of your account.
2	<password/>	Password of your account
3	<startDate/>	(Optional) Transaction Start Reading Date. If not exist or incorrect date is passed. The default date will be used. Default is Today with time “00:00:00”
4	<endDate />	(Optional) Transaction End Reading Date. If not exist or incorrect date is passed. The default date will be used. Default is Today with time “23:59:59”
5	<TransID />	TransactionID from Send SMS API
6	<option/>	(Optional) Default: 1 Accept 1 or 2 1: Return Sent Date 2: Return Result Status (i.e. 0: Normal, other fail code can

		refer section “SMS Cancel Transactions API” return code.

Return Code

Transaction columns title as below:

Report Sent Date

Any other negative indicate transaction failed.

No	Code	Details
1	0	**Success**
2	-2	**Account Information/username/IP/password incorrect.**
3	**-100**	**Internal Error, please contact support.**

Example

HTTPS

https://www.mdtechcorp.com/openapi/getTransactionStatus/?username=vip&password=unknown&startDate=1jan2006&endDate=30jan2006&transid=685597

SMS Get Transactions Report API

Introduction

This API use for getting Delivery Report from operators. But it is not all kind of SMS product has delivery report. It is according to your account settings only.

IP Requirement

Dynamic IP or Fixed IP (Recommend)

Protocol

HTTPS

URL(HTTPS)

https://www.mdtechcorp.com/openapi/getTransactionReport/?username=<username/>&password=<password/>&startDate=<startDate/>&endDate=<endDate/>&transid=<TransID/>&userRef=<userRef/>

Method

POST or GET

Parameters

No.	Parameter	Details
1	<username/>	Username of your account.
2	<password/>	Password of your account
3	<startDate/>	(Optional) Transaction Start Reading Date. If not exist or incorrect date is passed. The default date will be used. Default is Today with time “00:00:00”
4	<endDate />	(Optional) Transaction End Reading Date. If not exist or incorrect date is passed. The default date will be used. Default is Today with time “23:59:59”
5	<TransID />	(Optional) TransactionID from Send SMS API
15	**<userRef/>**	(Optional) User Reference Number. Reference number for user local marking. It is not processed by system, but it can display on result of transaction API. Reference number can be any 20 characters long string. All non-English reference should be formatted in Unicode with URL Encoding. For Example, “網頁” => %26%2332178%3B%26%2338913%3B ”网页” => %26%2332593%3B%26%2339029%3B encoding. For example, reference1. It not supports multi-reference for multi-transaction. If there is more than one identical User Reference, the latest

		transaction will be returned. Only one at most one transaction record return when using this parameter.

Return Code

Transaction columns title as below:

Transaction ID, Origination Address, Destination Address, Delivery Report Contents, Report Arrive Date from Operator

Any other negative indicate transaction failed.

No	Code	Details
1	0	**Success**
2	-2	**No Information or Account Information/username/IP/password incorrect.**
3	**-100**	**Internal Error, please contact support.**

Example

HTTPS

https://www.mdtechcorp.com/openapi/getTransactionReport/?username=vip&password=unknown&startDate=1jan2006&endDate=30jan2006

SMS Cancel Transactions API

IP Requirement

Dynamic IP or Fixed IP (Recommend)

Protocol

HTTPS

URL(HTTPS)

https://www.mdtechcorp.com/openapi/

setTransactionCancel/?username=<username/>&password=<password/>&transID=<transID />

Method

POST or GET

Parameters

No.	Parameter	Details
1	<username/>	Username of your account.
2	<password/>	Password of your account
3	***<transID />***	Transaction ID of request cancels Transaction. It can find by using Get Transaction API

Return Code

Code”0” indicates transaction success.

Any other negative indicate transaction failed.

No	Code	Details
1	10	Cancel due to China SMS Network Protocol Error
2	9	Cancel due to China SMS Content Blocked Refer to Remarks for Details. Example Remarks: *Content Blocked by Operator. Related Word(预约)*
3	8	Cancel due to Invalid destination address
4	7	Cancel due to OFTA List
5	6	Cancel by System due to Number not exist
6	5	Cancel by System due to MVNO not supported
7	4	Cancel by System due to expired
8	3	Cancel Executed
9	2	Cancel Not Executed
10	1	Cancel Pending
11	0	Normal – No Cancel Request Accepted
12	-1	Transaction ID not find/incorrect
13	-2	Account Information/username/IP/password incorrect.

14	-100	Internal Error, please contact support.

Example

HTTPS

https://www.mdtechcorp.com/openapi/setTransactionCancel/?username=vip&password=unknown&transID=188888

SMS Push Receive

IP Requirement

Dynamic IP or Fixed IP (Recommend)

Protocol

HTTP/HTTPS

URL (HTTP)

https://<www.yourdomain.com/>/openapi/setSMS/?SMS=<SMS/>&originatingAddress=<originatingAddress/>&destinatingAddress=<destinatingAddress/>&sendDate=<sendDate/>&transID=<transID />

Method

POST or GET

Parameters

No.	Parameter	Details
1	*< www.yourdomain.com/>*	Your Provided Domain Name
2	<SMS/>	It is SMS content. All non-English messages should be formatted in Unicode with URL Encoding. For Example,

		“網頁” => %u7DB2%u9801 **”网页” => %u7F51%u9875**
3	<originatingAddress/>	**It is message originating address.**
4	<destinatingAddress/>	**It is message destination address.**
5	<sendDate/>	**SMS Received Date**
6	***<transID />***	**Transaction ID of request cancels Transaction. It can find by using Get Transaction API**

Return Code

Code”0” indicates transaction success.

Any other negative indicate transaction failed.

No	Code	Details
1	0	**Normal**
2	**-100**	**Internal Error, please contact support.**

Example

HTTP

https://www.example.com/openapi/setSMS/?SMS=%u7DB2%u9801%20abc%u7F51%u9875*&originatingAddress=85298765432&destinatingAddress=85265432100&sendDate=04Apr2006%2012:27:00&transID=188888*

SMS Get User Balance API

IP Requirement

Dynamic IP or Fixed IP (Recommend)

Protocol

HTTPS

URL (HTTPS)

https://www.mdtechcorp.com/openapi/

getUserBalance/?username=<username/>&password=<password/>&type=<type/>

Method

POST or GET

Parameters

No.	Parameter	Details
1	<username/>	**Username of your account.**
2	<password/>	**Password of your account**
3	**<type/>**	**(Optional)** **Type=1, it returns user cash balance;** **Type=2, it returns user SMS balance with details.** **Default is user cash balance**

Return Code

Balance columns title as below:

Type 1 – One column

Balance

Type 2 – Four columns

SMS Balance, Expire Date, Destination Allowed, Origination Allowed

Any other negative indicate transaction failed.

No	Code	Details
1	0	**Success**
2	-2	**Account Information/username/IP/password incorrect.**
3	**-100**	**Internal Error, please contact support.**

Example

HTTPS

https://www.mdtechcorp.com/openapi/getUserBalance/?username=vip&password=unknown&type=1

Email to SMS API

IP Requirement

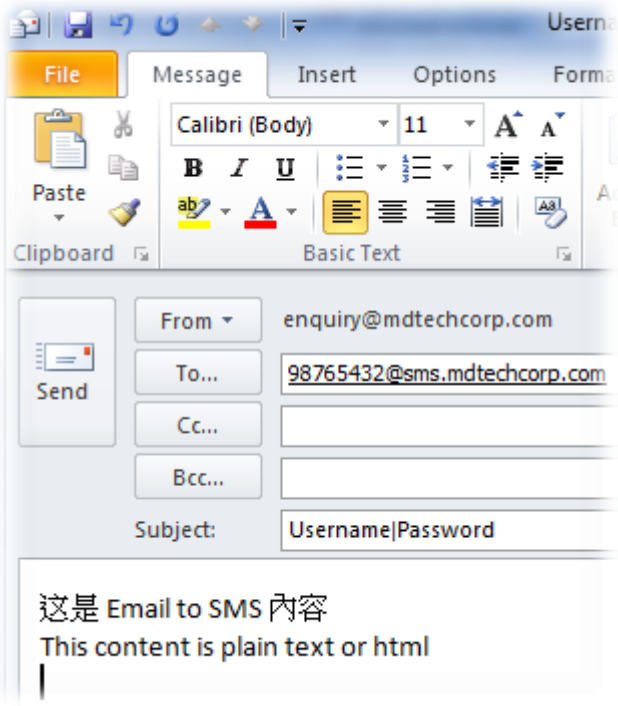
No IP Requirement

Protocol

EMAIL

EMAIL Format

- **Format 1:**
  To Field：
  <destination mobile1>@sms.mdtechcorp.com;<destination mobile2>@sms.mdtechcorp.com;<Group Name>@sms.mdtechcorp.com;
  Subject：
  <username>|<password>
  Content：
  <Any Text content for SMS>



- **Format 2:**

  To Field：

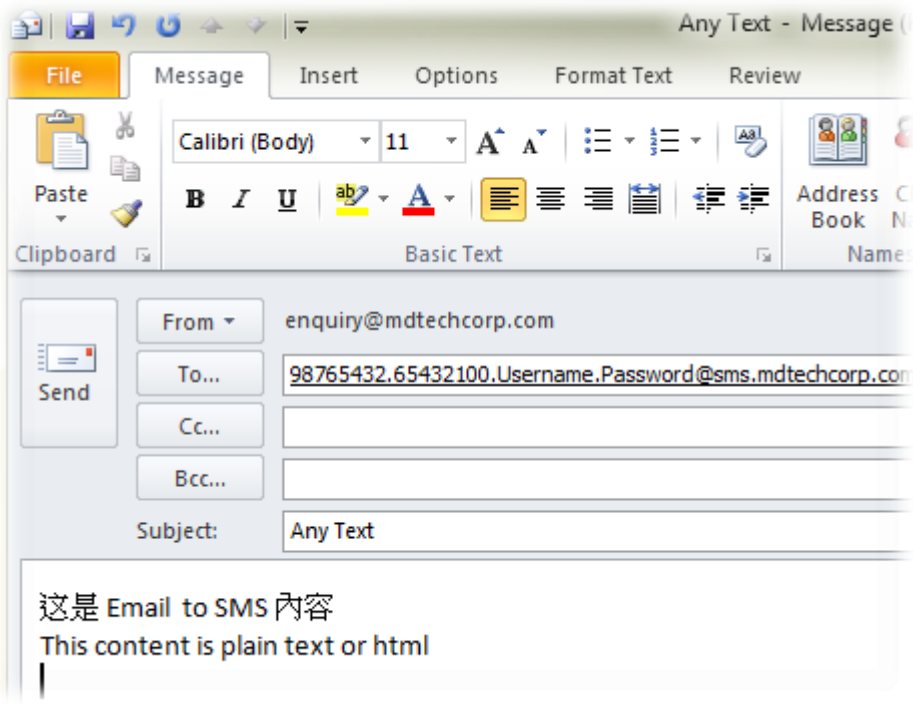
  <destination mobile1>.<destination mobile2>.<username>.<password>@sms.mdtechcorp.com; <destination mobile1>.<Group Name>.<username>.<password>@sms.mdtechcorp.com; <destination mobile3>.<username>.<password>@sms.mdtechcorp.com

  Subject：

  <Any Text>

  Content：

  <Any Text content for SMS>



Method

SMTP

Parameters

No.	Parameter	Details
1	<username/>	Username of your account.
2	<password/>	Password of your account
3	< destination mobileX/>	Destination Address of this transaction. Country Code ad area code is necessary. For example, 85298765432 (Hong Kong Mobile).
4	<Group Name/>	Group Created in your Web Interface. You special your group name, all mobile number belong to this group will be receive this message at the same time.
5	< Any Text content for SMS />	It is SMS content. For Unicode of each message should be equal or less than 70 characters. For ASCII of each message should be equal or less than 60 characters. If the message is longer than one message length, it will be counted as two messages. All non-English messages should be formatted in Unicode with URL Encoding.

		For Example, **“網頁” => %26%2332178%3B%26%2338913%3B** **”网页” => %26%2332593%3B%26%2339029%3B**

Return Code

Code larger than indicates transaction success and it is transaction ID. All status will send back to from email address.

Any other negative indicate transaction failed.

No	Code	Details
1	0	**Success**
2	-1	**Wrong Destination Number**
3	-2	**Account Information/username/IP/password incorrect.**
4	-3	**Content ID incorrect**
5	-4	**Destination Number not all correct**
6	**-100**	**Internal Error, please contact support.**

Example

E-Mail

Send:

From: guess@vip.com

To: 98765432.username.password@sms.mdtechcorp.com

Subject: Nothing

科技媒體傳訊有限公司 目標為用最簡單和直接的方法提供你所需的服務。

Version History:

V5.10 – Oct 2025

1. *Update Format and Code example*

V5.09 – Jan 2025

1. *Remove old TLS supports.*

V5.08 – Feb 2020

1. *Remove HTTP supports.*

V5.07 – Oct 2015

1. *Updated the GeoTrust Global CA installation.*

V5.06 – Sep 2014

1. *Add ASP.NET C# and VB Examples.*

V5.05 – Jan 2014

1. *Enhance the document details.*
2. *Added parameter* validityPeriod for sending SMS.

V5.04 – Dec 2013

1. *Enhance the document details.*
2. *Added HTTPS secondary domain.*
3. *Added Programming PHP/ASP/Java Example.*

V5.03 – Oct 2012

1. *Added API OFCA Do Not Call (DNC) List support by custom parameter [dnc] when submitting the SMS.*

V5.02 – Jul 2012

1. *Added MD .NET domains*

V5.01 – May 2012

1. *Enhanced returnMulti parameter for multiple result return.*

V5.00 – Jan 2012

1. *Enhanced Transaction Return with format of CSV by added [mode] parameter.*
2. *Merged Transaction and Transaction Report by added [report] parameter.*
3. *Added support Group Name in Email to SMS*

V3.95 – Oct 2011

1. *Added Wrong Origination Address*

V3.9 – Oct 2009

1. *Added Delivery Report Request Transaction*

V3.8 – Aug 2009

1. *Improved HTTPS support all HTTP function*
2. *Added Secondary backup HTTP domain*
3. *Added Primary HTTPS domain*

V3.7 – Jul 2009

1. *Added SMS Cancel Fail Code 9, 10 for China SMS Content Blocking and Network Error.*
   It can used to know China SMS blocked by Operator or not

V3.6 – Jul 2009

1. *GetTransactionStatus can return sentdate or status code by added <option/> parameters.*
2. *Send SMS if fall into OFTA list, it will direct reject by return error code "-7"*

V3.5 – May 2009

1. *Add Get transaction record by remarks.*
2. *Transaction IsCancel added two new code*

V3.4 – Sep 2008

1. *Add Get transaction record by user reference.*

V3.3 – Sep 2008

1. *Add User Reference Number to send SMS API.*
2. *Add User Reference Number display on get transaction API.*

V3.2 – Aug 2008

1. *Add Email to SMS API*