



Esendex ReST API documentation

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Overview

The new Esendex API (application programming interface) is simple, lightweight and built on simple and established standards that reduce the need for special toolkits. This allows Esendex to support a wider range of programming languages more easily than ever before.

This document describes the REST interactions the API offers to the business messaging services provided by Esendex. It is intended to provide all the information required to get started using the API.

The Esendex API has been based on the REST architectural style and has been implemented on the HTTP protocol. It uses the standard HTTP methods of GET, POST, PUT and DELETE to interact with a set of defined resources. The requests made to and the responses from the REST API are UTF-8 encoded XML representations.

In order to use the Esendex API, the following items are required:

- An active internet connection
- Handling for HTTP Request/Response objects
- XML Parsing functionality

REST Principles

The Representational State Transfer (REST) architecture was defined by Roy Fielding in 2000. It describes how clients can make requests to a server on a set of defined 'resources' and get an appropriate response back.

By using basic HTTP method verbs to specific resource URIs (uniform resource identifier) using request and response headers, interactions with a REST API mirrors the basic principles that the Internet is built on.

HTTP Methods

There are four main HTTP methods or verbs which are used to interact with the Esendex API. These are GET, POST, PUT and DELETE.

The use of these verbs describes operations on a resource in the following manner:

- GET
 - Retrieves a representation of the requested resource (current state)
- POST
 - Create a new instance of a resource
- PUT
 - Update an existing instance of a resource
- DELETE
 - Remove an existing instance of a resource

Quick Start

The two basic tasks of sending and receiving messages are introduced here to help quickly identify the Resources required to carry out these core operations.

Using the Esendex API

Each interaction with the Esendex API follows the same basic steps:

1. Collect any data needed to make the request.
2. Build an HTTP Request. Be sure to include the Authentication header and any additional data parameters.
3. Invoke the HTTP Request to the appropriate Resource URI using a supported HTTP method
4. Retrieve the HTTP Response and parse it
5. If appropriate, use the response data to continue performing other operations.

Sending Messages

To send messages, you will need to use the Message Dispatcher resource. Each message that is sent successfully through Esendex will be assigned a unique GUID (globally unique identifier) value. This ID can be used to retrieve the message details later including its delivery status through the Message Headers resource.

Receiving Messages

To receive messages, you can either 'pull' (retrieve) messages from the Inbox resource or make use of the Account Event Handler push notification mechanism.

For example, retrieving your inbox messages is as simple as making a GET request to `http://api.esendex.com/v1.0/inbox/messages`

Authentication

Most of the Resources in the Esendex API are protected by security privileges granted to a specific user. Each HTTP request to a protected Resource in the Esendex API will be accompanied by one of the following two supported Authentication methods.

Basic Authentication

Basic authentication passes the user's credentials of Esendex username and password to the Esendex API in an 'Authorization: Basic' HTTP header with each request.

The username and password are concatenated with a colon (:) and the resulting string is then Base64 encoded. For example, with the username `test@example.com` and the password `'letmein'` the string to be Base64 encoded would be `'test@example.com:letmein'` which would result in `'dGVzdEBleGFtcGxlLmNvbTpsZXRtZWlu'`.

A sample HTTP header would look like the following:

```
GET /v0.1/contacts HTTP/1.0
Host: api.esendex.com
Authorization: Basic dGVzdEBleGFtcGxlLmNvbTpsZXRtZWlu
```

Session Authentication

Instead of passing the encoded username and password in the HTTP Header of each request, users may prefer to use Session Authentication instead. The Esendex API can generate a Session GUID which can be Base64 encoded and used in the HTTP Header in place of the username:password string.

An HTTP POST request is made to the Session Constructor resource with Basic Authentication initially. For a successful request a Session ID will be returned. This Session ID can be used to make further requests instead of using the username/password each time. The returned Session ID will be Base64 encoded and appended to a Basic Authorization HTTP header in a similar way to the Basic Authentication request described above.

For example, if the Session Constructor returns an ID of `20108e1e-e519-4078-9046-b4f6c0c175a6`, this transforms into Base64 as: `MjAxMDhlMWUuZTUxOS00MDc4LTkwNDYtYjRmNmMwYzE3NWE2`

This would be added to a Basic Authorization HTTP header as

```
GET /v0.1/contacts HTTP/1.0
Host: api.esendex.com
Authorization: Basic MjAxMDhlMWUuZTUxOS00MDc4LTkwNDYtYjRmNmMwYzE3NWE2
```

Data Representations

For requests on resources which generate a response the Esendex API will return an appropriate representation of the result in UTF-8 encoded XML. This section details the types of representation objects that describe the state of the resources being queried or manipulated. With each data representation, a list of expected Fields will be listed.

Paged Representations

When exposing certain large collections of data to the user, the Esendex API will return a subset of that information in a paged representation. Paged representations will have three defined XML attributes to give information on the scope of the current response and the overall size of the data collection.

For example, when the Inbox resource returns a collection of Message Header objects these are contained within a MessageHeaders XML element.

```
<messageheaders startindex="0" count="15" totalcount="239">
  <messageheader ...
```

In this example, the above representation describes the first page of the MessageHeaders associated with the Inbox resource as the startIndex is at its minimum value of zero (0). There are 15 message header records returned and the total number of messages in the Inbox is 239. Further pages of data can be retrieved by making additional requests to the Inbox resource and shifting the startIndex value.

Paged collections have a maximum page size and requests for a larger 'count' value than is permitted will be reduced to the maximum allowed.

Message Header

A Message Header representation describes a single form of communication from or to another person or device. Each Message Header will be associated with one Account and be a result of communication either inbound to or outbound from an Account.

application/xml representation for an outbound message:

```
<messageheader id="00000000-0000-0000-0000-000000000000">
  <reference>EX000000</reference>
  <status>Delivered</status>
  <laststatusat>2010-01-01T12:00:03</laststatusat>
  <submittedat>2010-01-01T12:00:00.000</submittedat>
  <type>SMS</type>
  <to>
    <phonenumber>123456789</phonenumber>
  </to>
  <from>
    <phonenumber>987654321</phonenumber>
  </from>
  <summary>This is an SMS message</summary>
  <body uri="http://api.esendex.com/v1.0/messagebody/00000000-0000-0000-0000-000000000000"/>
  <direction>Outbound</direction>
  <parts>1</parts>
  <username>user@example.com</username>
</messageheader>
```

application/xml representation for an inbound message:

```
<messageheader id="00000000-0000-0000-0000-000000000000">
  <reference>EX000000</reference>
  <status>Submitted</status>
  <receivedat>2010-01-01T12:00:03</receivedat>
  <type>SMS</type>
  <to>
    <phonenumber>123456789</phonenumber>
  </to>
  <from>
    <phonenumber>987654321</phonenumber>
  </from>
  <summary>This is an SMS message</summary>
  <body uri="http://api.esendex.com/v1.0/messagebody/00000000-0000-0000-0000-000000000000"/>
  <direction>Inbound</direction>
  <parts>1</parts>
  <readat>2010-01-01T13:00:00</readat>
  <readby>user@example.com</readby>
</messageheader>
```

Field definitions:

Field Name	Definition
id	The unique identifier for the Message Header. Each Message Header returned will include a non-empty GUID id value. It will be a stable GUID that will not change.
reference	The short name to identify an Account
status	The status code refers to the current state of the Message. The possible values are:
	Submitted Message is being processed by Esendex

	Sent	Message has been passed on to the Mobile Networks
	Delivered	Message has been delivered to the Recipient
	Expired	Message could not be delivered within the validity period
	Failed	Message could not be delivered
	FailedAuthorisation	Premium message could not be authorised to this Recipient
	Acknowledged	Voice Message has been acknowledged by the Recipient
	Connecting	Voice message is currently being delivered to the customer
laststatusat	Outbound Messages: The most recent date the status of this Message was updated.	
submittedat	Outbound Messages: The date that the Message was submitted to Esendex	
receivedat	Inbound Messages: The date that the Message was received by Esendex	
type	The type of Message can be either SMS or Voice	
to	<p>This Field will contain the telephone number that the message is being or has been sent to. E.g.</p> <pre><to> <phonenumber>44123456789</phonenumber> </to></pre>	
from	<p>This Field will simply contain the telephone number that the message is being or has been sent from. For Outbound messages or Inbound messages which don't match any Contacts, the telephone number will look like:</p> <pre><from> <phonenumber>44987654321</phonenumber> </from></pre> <p>If the Inbound message's telephone number has been resolved to a Contact, a more complete response will be returned:</p> <pre><from id="00000000-0000-0000-0000-000000000000" uri="http://api.esendex.com/v1.0/Contacts/00000000-0000-0000-0000-000000000000"> <displayname>Test Contact</displayname> <phonenumber>44987654321</phonenumber> </from></pre>	

summary	The shortened version of the Message will only return the first few characters of a Message as a preview of the contents held within the Message Body.
body	Provides the link to follow which will return the complete content of the message (Message Body) rather than just the summary.
direction	Indicates whether the message header was Inbound (received) or Outbound (sent)
parts	The number of SMS messages it would take to send the whole Message
username	Outbound messages: The user that sent the message
readat	Inbound messages: The date when the message was marked as having been read
readby	Inbound messages: The user that marked the message as read

Account

An Account provides ways of sending and receiving messages. Messages inbound to an Account are accessible through the Inbox resource; messages outbound from an Account are accessible through Message Batches or Message Headers resources.

application/xml representation:

```
<account id="00000000-0000-0000-0000-000000000000"
  uri="http://api.esendex.com/v1.0/accounts/00000000-0000-0000-0000-000000000000">
  <reference>EX000000</reference>
  <address>123456789</address>
  <alias>123456789</alias>
  <label>My Esendex Account</label>
  <type>Professional</type>
  <messagesremaining>1500</messagesremaining>
  <expireson>2012-01-01T00:00:00</expireson>
  <role>PowerUser</role>
</account>
```

Field definitions:

Field	Definition
id	The unique identifier for the Account. Each Account returned will include a non-empty GUID id value. It will be a stable GUID that will not change.
uri	The URI field represents the path to follow to return only an individual Account object.
reference	The short name to identify an account.
address	The telephone number which is used to send and receive Messages.
alias	<p>The alias MAY be set to change the default telephone number which outbound Messages appear to come from. By default it will mirror the address value.</p> <p>If changed, the new alias must be either a valid phone number or an alphanumeric value with a maximum length of 11 characters, that may contain letters, numbers and the following special characters: * \$? ! " # % & _ - , . @ ' +.</p>
label	<p>A free text label for the account. This will appear in Esendex applications and can be used to give the account a "friendly name".</p> <p>Can be from 0 to 50 characters long.</p>
type	The type of Esendex Account. Typical values include: Professional, Trial and Broadcast
messagesremaining	The number of SMS credits remaining to be used on an individual Account.
expireson	The date that the Account will cease to be live.

role	A string representation of the security permission assigned to the User making the request for the Account.
------	---

Account Settings

Each account has its own set of options to govern its behaviour. This representation can be retrieved from the Accounts resource through the use of an HTTP GET request. Account Settings can also be amended through the use of HTTP PUT.

The Account Settings response contains a number of child nodes, which each describe a different group of settings. When updating an account's settings, only the groups containing settings that are being changed need to be included in the PUT request.

application/xml representation:

```
<accountsettings>
  <concurrencyid>ems:00000000-0000-0000-0000-000000000000,
  options:00000000-0000-0000-0000-000000000000</concurrencyid>
  <outbound>
    <defaultaliasenabled>true</defaultaliasenabled>
    <defaultalias>MyAlias</defaultalias>
    <defaultvalidity>24</defaultvalidity>
  </outbound>
  <autoresponse>
    <enabled>false</enabled>
    <message>this is my auto response</message>
    <type>SMS</type>
  </autoresponse>
  <emailforwarding>
    <enabled>false</enabled>
    <emailaddress />
    <omitfooter>false</omitfooter>
    <hideoriginator>false</hideoriginator>
  </emailforwarding>
  <emailnotification>
    <deliveryenabled>false</deliveryenabled>
    <failedenabled>false</failedenabled>
  </emailnotification>
  <emailgeneral>
    <directreplyenabled>false</directreplyenabled>
    <directreplyincludeoriginalmessage>false</directreplyincludeoriginalmessage>
    <signaturemarker />
  </emailgeneral>
</accountsettings>
```

Field descriptions:

Field	Definition
concurrencyid	A unique identifying string which will have a new value when the Account Settings have changed.
outbound	This XML element contains an account's default outbound values. The number of elements within it will vary depending on the type of account, e.g. Professional, Broadcast, Evaluation etc.

	defaultaliasenabled	<p>This optional element indicates whether a default alias (used as the 'from' value when sending) will be used, if set (see below). It can be set to either 'true' or 'false'.</p> <p>This setting is only applicable to Professional, Broadcast and Trial accounts.</p>
	defaultalias	<p>This optional element indicates the default alias value that will be used as the 'from' value when sending SMS messages.</p> <p>This must be either a valid phone number or an alphanumeric value with a maximum length of 11 characters, that may contain letters, numbers and the following special characters: * \$? ! " # % & _ - , . @ ' +.</p> <p>This setting is only applicable to Professional, Broadcast and Trial accounts.</p>
	defaultvalidity	<p>This optional element indicates the number of hours that networks will attempt to retry SMS messages for in the event that a message cannot be delivered immediately.</p> <p>A value of 0 indicates the system default (usually 72 hours).</p>
autoresponse	This XML element allows the User to set a predefined Message content and type which will be sent out each time an Inbound Message reaches the Account.	
	enabled	Indicates if the Auto Response settings are currently active.
	message	The Message text which will be sent out if Auto Response is enabled.
	type	The type of Message to be sent: SMS or Voice
emailforwarding	enabled	Indicates if the Email Forwarding settings are currently active.
	emailaddress	The email address that any incoming messages are forwarded to.

	omitfooter	Indicates if the Esendex email footer should be left off any forwarded emails.
	hideoriginator	Indicates if the telephone number of the incoming message should be hidden from email recipients.
emailnotification	deliveryenabled	Indicates if an email should be sent to the Email Forwarding email address when an outbound message has been delivered.
	failedenabled	Indicates if an email should be sent to the Email Forwarding email address when an outbound message has failed.
emailgeneral	directreplyenabled	Indicates if an email reply to a forwarded email message should be sent to the telephone number of the inbound message.
	directreplyincludeorigin almessage	Indicates if the original inbound message content should be included in the Direct Reply.
	signaturemarker	Email Forwarding will remove any text after a match with this value to allow email signatures to not be included in any message.

Contact

A Contact contains information about a single originator or recipient of a message. As a minimum, a Contact will have a telephone number (MSISDN) and a quick name.

application/xml representation:

```
<contact id="000000000-0000-0000-0000-000000000000">
  <concurrencyid>00000000-0000-0000-0000-000000000000</concurrencyid>
  <firstname>Test</firstname>
  <lastname>User</lastname>
  <quickname>Test User</quickname>
  <mobilenumber>123456789</mobilenumber>
  <type>Esendex</type>
  <groups/>
</contact>
```

Field definitions:

Field	Definition
id	The unique identifier for the Contact. Each Contact returned will include a non-empty GUID id value. It will be a stable GUID that will not change.
concurrencyid	This unique identifier GUID should change each time the Contact details are amended. It can be used to help identify when a Contact has changed.
firstname	The first name of this Contact. This may not be returned if the property has not been set for the Contact.
lastname	The last name of this Contact. This may not be returned if the property has not been set for the Contact.
quickname	This is the human-friendly shortcut for the Contact and can be used as a Message recipient instead of a telephone number. Where firstname and lastname have been set when the Contact was created, it may be a concatenation of these two values.
mobilenumber	The telephone number associated with this Contact.
type	The type of Contact indicates where it was created from. Esendex means it was generated from within the Echo application. Mobile means it was generated from a mobile phone synchronisation.
groups	This element lists links to the Contact Groups that this Contact is associated with.

Contact Groups

A Contact Group can be used to relate Contacts together into a named collection.

application/xml representation:

```
<contactgroup id="00000000-0000-0000-0000-000000000000" contactcount="2">
  <name>Test Group</name>
  <type>Esendex</type>
</contactgroup>
```

Field definitions:

Field	Definition
id	The unique identifier for the Contact Group. Each Contact Group returned will include a non-empty GUID id value. It will be a stable GUID that will not change.
contactcount	An optional attribute which describes the number of Contacts associated with the Contact Group.
name	This is the human-friendly shortcut for the Contact Group and can be used as a Message recipient instead of a telephone number to send a Message to all Contacts related to the Contact Group.
type	Describes where the Contact Group was created. Default value is 'Esendex'

Session

A Session is a temporary dialogue of information exchange between Client and Server. When a Session has been created, knowledge and usage of the unique identifier referring to it is considered sufficient to authenticate any requests to the Esendex API for so long as the Session is valid.

application/xml representation:

```
<session xmlns="http://api.esendex.com/ns/">
<id>00000000-0000-0000-0000-000000000000</id>
</session>
```

Field definitions:

Field	Description
id	The unique identifier for the Session. Each Session will include a non empty GUID id value. It will be a stable GUID that will not change for the life of the Session.

Resources

Session

Constructor

The Session Constructor resource is used to generate a unique Esendex API session GUID. A successful HTTP POST request to the Constructor URI requires a valid Basic Authentication header of Base64 encoded username and password to be supplied.

Resource	Session Constructor	
URI	http://api.esendex.com/v1.0/session/constructor	
HTTP-Method	POST	
Authentication	Basic	
Example request	N/A	
Successful response	Content Type: HTTP Status Code:	application/xml 200
Successful response data	<pre><?xml version="1.0" encoding="utf-8"?> <session xmlns="http://api.esendex.com/ns/"> <id>00000000-0000-0000-0000-000000000000</id> </session></pre>	
Unsuccessful response	Content Type: HTTP Status Code:	text/plain NOT 200

Message Dispatcher

The Message Dispatcher resource can be used to send one or more SMS and Voice messages either straight away or scheduled in the future at a later point. The XML request object will contain the details of the message(s) to be sent and will generate a message batch response containing a URI to allow future queries to discover the status of the message(s).

Resource	Message Dispatcher	
URI	http://api.esendex.com/v1.0/messagedispatcher	
HTTP Method	POST	
Authentication	Basic / Session	
Example request (required fields in bold)	<pre><?xml version='1.0' encoding='UTF-8'?> <messages> <accountreference>EX000000</accountreference> <from>\$DEFAULT_FROM</from> <type>\$DEFAULT_TYPE</type> <lang>\$DEFAULT_LANGUAGE_ID</lang> <retries>\$DEFAULT_RETRIES</retries> <validity>\$DEFAULT_VALIDITY</validity> <sendat>\$DEFAULT_SEND_AT</sendat> <message> <from>\$FROM</from> <to>\$TO</to> <type>\$TYPE</type> <body>\$BODY</body> <lang>\$LANGUAGE_ID</lang> <retries>\$RETRIES</retries> <validity>\$VALIDITY</validity> </message> </messages></pre>	
Successful response	Content Type: HTTP Status Code:	text/xml 200
Successful response data	<pre><?xml version="1.0" encoding="utf-8"?> <messageheaders batchid="00000000-0000-0000-0000-000000000000" xmlns="http://api.esendex.com/ns/"> <messageheader uri="http://api.esendex.com/v1.0/MessageHeaders/00000000-0000-0000- 0000-000000000000" id="00000000-0000-0000-0000-000000000000" /> </messageheaders></pre>	
Unsuccessful response	Content Type: HTTP Status Code:	text/plain NOT 200

Field Name	Description
Default Fields	
accountreference	The Esendex Account reference that the messages should be sent from. This is a required element.

default_from	<p>The default alphanumeric originator that the message appears to originate from. Can be overridden on a per message basis.</p> <p>This must be either a valid phone number or an alphanumeric value with a maximum length of 11 characters, that may contain letters, numbers and the following special characters: * \$? ! " # % & _ - , . @ ' +.</p>
default_type	The default type of message to be sent: SMS or Voice. Can be overridden on a per-message basis.
default_language_id	The default language to use with Voice SMS messages. Currently supports: en-GB (English UK), en-AU(English-Australian), fr-FR (French) and es-ES(Spanish)
default_retries	The default number of times to attempt to reach a Voice SMS recipient
default_validity	The default validity period for a message in hours (defaults to 0 which indicates the MAX allowed)
default_send_at	The time to schedule the messages for. Format is yyyy-MM-ddThh:mm:ss. y=year, M=month, d=day, T=separator, h=hour, m=min, s=seconds. This time should be relative to the time zone setting on the account. The time to Send At will apply to all messages in the request. It cannot be overridden on a per-message basis.
Per Message Fields	
from	<p>The alphanumeric originator for the message to appear to originate from.</p> <p>This must be either a valid phone number or an alphanumeric value with a maximum length of 11 characters, that may contain letters, numbers and the following special characters: * \$? ! " # % & _ - , . @ ' +.</p>
to	The numbers to send the message to; comma separated
body	The message content
language_id	The language to use with a Voice SMS message. Currently supports: en-GB (English UK), en-AU (English Australian), fr-FR(French) and es-ES(Spanish)
retries	The number of times to attempt to reach a Voice SMS recipient.
validity	The validity period for a message in hours (defaults to 0 which indicates the MAX allowed)

An example SMS send:

```
<?xml version='1.0' encoding='UTF-8'?>
<messages>
  <accountreference>EX000000</accountreference>
  <message>
    <from>011122223333</from>
    <to>0123456789</to>
    <type>SMS</type>
    <body> This is an SMS message </body>
    <validity>0</validity>
  </message>
</messages>
```

The simplest SMS message would be:

```
<?xml version='1.0' encoding='UTF-8'?>
<messages>
  <accountreference>EX000000</accountreference>
  <message>
    <to>0123456789</to>
    <body> This is an SMS message </body>
  </message>
</messages>
```

An example Scheduled SMS send:

```
<?xml version='1.0' encoding='UTF-8'?>
<messages>
  <accountreference>EX000000</accountreference>
  <message>
    <from>011122223333</from>
    <to>0123456789</to>
    <type>SMS</type>
    <body> This is an SMS message </body>
    <validity>0</validity>
  </message>
</messages>
```

An example Voice SMS send:

```
<?xml version='1.0' encoding='UTF-8'?>
<messages>
  <accountreference>EX000000</accountreference>
  <message>
    <from>011122223333</from>
    <to>0123456789</to>
    <type>Voice</type>
    <body> This is a Voice message </body>
    <lang>en-GB</lang>
    <retries>1</retries>
  </message>
</messages>
```

Inbox

The Inbox resource can be used to query messages which have been received into an Esendex Account. The most common uses of the Inbox resource are to 'pull' (retrieve) the Inbound messages and delete those messages that have been processed.

Retrieve Inbox Messages

This operation will return a paged response of all inbound messages to any Account that the user has permissions to view.

Resource	Inbox	
URI	http://api.esendex.com/v1.0/Inbox/Messages	
HTTP-Method	GET	
Authentication	Basic / Session	
Example request	N/A	
Successful response	Content Type: HTTP Status Code:	application/xml 200
Successful response data	<pre><?xml version="1.0" encoding="utf-8"?> <messageheaders startindex="0" count="15" totalcount="200" xmlns="http://api.esendex.com/ns/"> <messageheader id="00000000-0000-0000-0000-000000000000"> <reference>EX000000</reference> <status>Submitted</status> <receivedat>2010-01-01T00:00:00</receivedat> <type>SMS</type> <to> <phonenumber>44987654321</phonenumber> </to> <from> <phonenumber>44123456789</phonenumber> </from> <summary>Testing Esendex API</summary> <body uri="http://api.esendex.com/v1.0/messageheaders/00000000- 0000-0000-0000-000000000000/body"/> <direction>Inbound</direction> <parts>1</parts> <readat>2010-01-01T00:00:10</readat> <readby>user@example.com</readby> </messageheader> ...[Additional message headers]... </messageheaders></pre>	
Unsuccessful response	Content Type: HTTP Status Code:	text/plain NOT 200

Retrieve Inbox Messages for one Account

This operation will return a paged response of all inbound messages to one Account that the user has permissions to view. The Account is specified by adding the Reference to the URI.

Resource		Inbox
URI	http://api.esendex.com/v1.0/Inbox/EX000000/Messages	
HTTP-Method	GET	
Authentication	Basic / Session	
Example request	N/A	
Successful response	Content Type: HTTP Status Code:	application/xml 200
Successful response data	<pre><?xml version="1.0" encoding="utf-8"?> <messageheaders startindex="0" count="15" totalcount="200" xmlns="http://api.esendex.com/ns/"> <messageheader id="00000000-0000-0000-0000-000000000000"> <reference>EX000000</reference> <status>Submitted</status> <receivedat>2010-01-01T00:00:00</receivedat> <type>SMS</type> <to> <phonenumber>44987654321</phonenumber> </to> <from> <phonenumber>44123456789</phonenumber> </from> <summary>Testing Esendex API</summary> <body uri="http://api.esendex.com/v1.0/messageheaders/00000000- 0000-0000-0000-000000000000/body"/> <direction>Inbound</direction> <parts>1</parts> <readat>2010-01-01T00:00:10</readat> <readby>user@example.com</readby> </messageheader> ...[Additional message headers]... </messageheaders></pre>	
Unsuccessful response	Content Type: HTTP Status Code:	text/plain NOT 200

Update Read/Unread status for an Inbox Message

This operation will mark an individual Inbox Message as having been read or unread. The PUT request does not require the Message Header object to be included in the request body.

Resource	Inbox	
URI	http://api.esendex.com/v1.0/Inbox/Messages/00000000-0000-0000-0000-000000000000?action=read	
HTTP-Method	PUT	
Authentication	Basic / Session	
Example request	N/A	
Successful response	Content Type: HTTP Status Code:	application/xml 200
Successful response data	N/A	
Unsuccessful response	Content Type: HTTP Status Code:	text/plain NOT 200

Delete Inbox Message

This operation will remove an individual message from an Inbox. As the message is identified by its GUID there is no additional need to specify which Account the message belongs to.

Resource	Inbox	
URI	http://api.esendex.com/v1.0/Inbox/Messages/00000000-0000-0000-0000-000000000000	
HTTP-Method	DELETE	
Authentication	Basic / Session	
Example request	N/A	
Successful response	Content Type: HTTP Status Code:	application/xml 200
Successful response data		
Unsuccessful response	Content Type: HTTP Status Code:	text/plain NOT 200

Message Batches

The Message Batches resource can be used to query the batches of messages which have been sent from an Esendex Account. A common use of the Message Batches resource would be to retrieve a summary of status codes which indicates the progress of the sent messages. There is also the ability to cancel a message batch scheduled to be sent in the future.

Retrieve Message Batches

This operation will return a paged response of all messages batches for all Accounts that the user has permissions to view.

Resource	Message Batches	
URI	http://api.esendex.com/v1.0/MessageBatches	
HTTP-Method	GET	
Authentication	Basic / Session	
Example request	N/A	
Successful response	Content Type: HTTP Status Code:	application/xml 200
Successful response data	<pre><?xml version="1.0" encoding="utf-8"?> <messagebatches startindex="0" count="15" totalcount="15" xmlns="http://api.esendex.com/ns/"> <messagebatch id="00000000-0000-0000-0000-000000000000" uri="http://api.esendex.com/v1.0/messagebatches/00000000-0000-0000- 0000-000000000000"> <createdat>2010-01-01T12:00:00.000</createdat> <batchsize>1</batchsize> <persistedbatchsize>1</persistedbatchsize> <status> <acknowledged>0</acknowledged> <authorisationfailed>0</authorisationfailed> <connecting>0</connecting> <delivered>0</delivered> <failed>0</failed> <partiallydelivered>0</partiallydelivered> <rejected>0</rejected> <scheduled>0</scheduled> <sent>0</sent> <submitted>1</submitted> <validityperiodexpired>0</validityperiodexpired> <cancelled>0</cancelled> </status> <accountreference>EX0000000</accountreference> <createdby>user@example.com</createdby> </messagebatch> ...(Additional Message Batches)... </messagebatches></pre>	
Unsuccessful response	Content Type: HTTP Status Code:	text/plain NOT 200

Retrieve Messages Batches for one Account

This operation will return a pagged response of all messages batches for one Account that the user has permission to view.

Resource	Message Batches	
URI	http://api.esendex.com/v1.0/messagebatches?filterBy=account&filterValue=EX000000	
HTTP-Method	GET	
Authentication	Basic / Session	
Example request	N/A	
Successful response	Content Type: HTTP Status Code:	application/xml 200
Successful response data	<pre><?xml version="1.0" encoding="utf-8"?> <messagebatches startindex="0" count="3" totalcount="3" xmlns="http://api.esendex.com/ns/"> <messagebatch id="00000000-0000-0000-0000-000000000000" uri="http://api.esendex.com/v1.0/messagebatches/00000000-0000-0000- 0000-000000000000"> <createdat>2010-01-01T12:00:00.000</createdat> <batchsize>1</batchsize> <persistedbatchsize>1</persistedbatchsize> <status> <acknowledged>0</acknowledged> <authorisationfailed>0</authorisationfailed> <connecting>0</connecting> <delivered>0</delivered> <failed>0</failed> <partiallydelivered>0</partiallydelivered> <rejected>0</rejected> <scheduled>0</scheduled> <sent>0</sent> <submitted>1</submitted> <validityperiodexpired>0</validityperiodexpired> <cancelled>0</cancelled> </status> <accountreference>EX0000000</accountreference> <createdby>user@example.com</createdby> </messagebatch> ...(Additional Message Batches)... </messagebatches></pre>	
Unsuccessful response	Content Type: HTTP Status Code:	text/plain NOT 200

Retrieve a single Message Batch

This operation will return a single message batch response.

Resource	Message Batches	
URI	http://api.esendex.com/v1.0/messagebatches/00000000-0000-0000-0000-000000000000	
HTTP-Method	GET	
Authentication	Basic / Session	
Example request	N/A	
Successful response	Content Type: HTTP Status Code:	application/xml 200
Successful response data	<pre><messagebatch id="00000000-0000-0000-0000-000000000000" uri="http://api.esendex.com/v1.0/messagebatches/00000000-0000-0000-0000-000000000000"> <createdat>2010-01-01T12:00:00.000</createdat> <batchsize>1</batchsize> <persistedbatchsize>1</persistedbatchsize> <status> <acknowledged>0</acknowledged> <authorisationfailed>0</authorisationfailed> <connecting>0</connecting> <delivered>0</delivered> <failed>0</failed> <partiallydelivered>0</partiallydelivered> <rejected>0</rejected> <scheduled>0</scheduled> <sent>0</sent> <submitted>1</submitted> <validityperiodexpired>0</validityperiodexpired> <cancelled>0</cancelled> </status> <accountreference>EX0000000</accountreference> <createdby>user@example.com</createdby> <link rel="cancel" href="http://api.esendex.com/v1.0/messagebatches/00000000-0000-0000-0000-000000000000/schedule" /> </messagebatch></pre>	
Unsuccessful response	Content Type: HTTP Status Code:	text/plain NOT 200

Field Name	Description
createdat	The date/time the batch was created.
batchsize	The number of messages that were submitted in the batch.
status	This details the counts for the statuses of the messages in the batch.
accountreference	The Esendex Account reference that the messages should be sent from.

createdby	The user that submitted the message batch.
link (rel=cancel)	Indicates this is a scheduled message batch and it can be cancelled. See below for more information.

Cancelling a Scheduled Batch

If the batch is scheduled to go out at a later time and this time is outside the cut off period of 5 minutes, the message batch response XML will contain a LINK element with REL attribute with value CANCEL (see the previous section). The HREF attribute for the LINK element provides a URI for cancelling the sending of a scheduled batch. This should be performed as a DELETE request to the URI.

Message Batches		
URI	http://api.esendex.com/v1.0/messagebatches/00000000-0000-0000-0000-000000000000/schedule	
HTTP-Method	DELETE	
Authentication	Basic / Session	
Example request	N/A	
Successful response	HTTP Status Code:	204
Unsuccessful response	Content Type: HTTP Status Code:	text/plain NOT 204

Retrieve Message Headers for a Message Batch

This operation will return a paged response of all messages for one message batch that the user has permission to view.

Resource		Message Batches	
URI	http://api.esendex.com/v1.0/messagebatches/00000000-0000-0000-0000-000000000000/messages		
HTTP-Method	GET		
Authentication	Basic / Session		
Example request	N/A		
Successful response	Content Type:	application/xml	
	HTTP Status Code:	200	
Successful response data	<pre><?xml version="1.0" encoding="utf-8"?> <messageheaders startindex="0" count="15" totalcount="200" xmlns="http://api.esendex.com/ns/"> <messageheader id="00000000-0000-0000-0000-000000000000"> <reference>EX000000</reference> <status>Delivered</status> <receivedat>2010-01-01T00:00:00</receivedat> <type>SMS</type> <to> <phonenumber>44987654321</phonenumber> </to> <from> <phonenumber>44123456789</phonenumber> </from> <summary>Testing Esendex API</summary> <body uri="http://api.esendex.com/v1.0/messageheaders/00000000-0000-0000-0000-000000000000/body"/> <direction>Outbound</direction> <parts>1</parts> <username>user@example.com</username> </messageheader> ...[Additional message headers]... </messageheaders></pre>		
Unsuccessful response	Content Type:	text/plain	
	HTTP Status Code:	NOT 200	

Message Headers

The Message Headers resource can be used to query messages which have been sent from an Esendex Account. It also allows individual messages to be queried for more details.

Retrieve Sent Messages

This operation will return a paged response of all the sent messages from Accounts that the user has permission to view.

Resource		Message Headers	
URI	http://api.esendex.com/v1.0/messageheaders		
HTTP-Method	GET		
Authentication	Basic / Session		
Example request	N/A		
Successful response	Content Type: HTTP Status Code:	application/xml 200	
Successful response data	<pre><?xml version="1.0 encoding="utf-8"?> <messageheaders startindex="0" count="15" totalcount="200" xmlns="http://api.esendex.com/ns/"> <messageheader id="00000000-0000-0000-0000-000000000000" uri="http://api.esendex.com/v1.0/messageheaders/00000000-0000-0000- 000000000000/"> <reference>EX000000</reference> <status>Delivered</status> <laststatusat>2010-01-01T12:00:05.000</laststatusat> <submittedat>2010-01-01T12:00:02.000</submittedat> <type>SMS</type> <to> <phonenumber>44987654321</phonenumber> </to> <from> <phonenumber>44123456789</phonenumber> </from> <summary>Testing Esendex API</summary> <body uri="http://api.esendex.com/v1.0/messageheaders/00000000- 0000-0000-0000-000000000000/body"/> <direction>Outbound</direction> <parts>1</parts> <username>user@example.com</username> </messageheader> ...[Additional message headers]... </messageheaders></pre>		
Unsuccessful response	Content Type: HTTP Status Code:	text/plain NOT 200	

Retrieve an individual message

This operation will return a message header response for an individual message. This operation will support queries for both inbound and outbound message ID GUIDs.

Resource	Message Headers	
URI	http://api.esendex.com/v1.0/messageheaders/000000000-0000-0000-0000-000000000000	
HTTP-Method	GET	
Authentication	Basic / Session	
Example request	N/A	
Successful response	Content Type: HTTP Status Code:	application/xml 200
Successful response data	<pre><?xml version="1.0 encoding="utf-8"?> <messageheader id="00000000-0000-0000-0000-000000000000" uri=http://api.esendex.com/v1.0/messageheaders/00000000-0000-0000-000000000000/ xmlns="http://api.esendex.com/ns/"> <status>Delivered</status> <laststatusat>2010-01-01T12:00:05.000</laststatusat> <submittedat>2010-01-01T12:00:02.000</submittedat> <type>SMS</type> <to> <phonenumber>44987654321</phonenumber> </to> <from> <phonenumber>44123456789</phonenumber> </from> <summary>Testing Esendex API</summary> <body uri="http://api.esendex.com/v1.0/messageheaders/00000000-0000-0000-0000-000000000000/body/"> <direction>Outbound</direction> <parts>1</parts> <username>user@example.com</username> </messageheader></pre>	
Unsuccessful response	Content Type: HTTP Status Code:	text/plain NOT 200

Access Check

This resource is used to provide a simple method of checking if a user's credentials or session ID are valid to access the Esendex API. It is a safe method of performing an operation on a resource with no side-effects.

Resource	Access Check	
URI	http://api.esendex.com/v1.0/Account/EX000000/accesscheck	
HTTP-Method	GET	
Authentication	Basic / Session	
Example request	N/A	
Successful response	Content Type: HTTP Status Code:	application/xml 200
Successful response data	N/A	
Unsuccessful response	Content Type: HTTP Status Code:	text/plain NOT 200

Accounts

The Accounts resource can be used to retrieve details on the Esendex Account or Accounts that the user has access to.

Retrieve Accounts

This operation will return a response containing summary information on all of the Esendex Accounts that the user has permissions to use.

Resource	Accounts	
URI	http://api.esendex.com/v1.0/accounts	
HTTP-Method	GET	
Authentication	Basic	
Example request	N/A	
Successful response	Content Type: HTTP Status Code:	application/xml 200
Successful response data	<pre><?xml version="1.0" encoding="utf-8"?> <accounts xmlns="http://api.esendex.com/ns/"> <account id="00000000-0000-0000-0000-000000000000" uri="http://api.esendex.com/v1.0/accounts/00000000-0000-0000-0000-000000000000"> <reference>EX000000</reference> <label>EX000000</label> <address>123456789</address> <type>Professional</type> <messagesremaining>2000</messagesremaining> <expireson>2999-02-25T00:00:00</expireson> <role>PowerUser</role> <settings uri="http://api.esendex.com/v1.0/accounts/00000000-0000-0000-0000-000000000000/settings" /> </account> </accounts></pre>	
Unsuccessful response	Content Type: HTTP Status Code:	text/plain NOT 200

Retrieve Account

This option will return an Account response for an individual Esendex Account that the user has permission to use.

Resource	Accounts	
URI	http://api.esendex.com/v1.0/accounts/00000000-0000-0000-0000-000000000000	
HTTP-Method	GET	
Authentication	Basic / Session	
Example request	N/A	
Successful response	Content Type: HTTP Status Code:	application/xml 200
Successful response data	<pre><?xml version="1.0" encoding="utf-8"?> <account id="00000000-0000-0000-0000-000000000000" uri="http://api.esendex.com/v1.0/accounts/00000000-0000-0000-0000-000000000000" xmlns="http://api.esendex.com/ns/"> <reference>EX000000</reference> <label>EX000000</label> <address>123456789</address> <type>Professional</type> <messagesremaining>2000</messagesremaining> <expireson>2999-02-25T00:00:00</expireson> <role>PowerUser</role> <settings uri="http://api.esendex.com/v1.0/accounts/00000000-0000-0000-0000-000000000000/settings" /> </account></pre>	
Unsuccessful response	Content Type: HTTP Status Code:	text/plain NOT 200

Update Account Details

This operation allows updates to be performed on one or more account details.

Current, the only field that can be updated is the account label.

Resource	Accounts	
URI	http://api.esendex.com/v1.0/accounts/00000000-0000-0000-0000-000000000000	
HTTP-Method	PUT	
Authentication	Basic / Session	
Example request	<pre><?xml version="1.0" encoding="utf-8"?> <account id="00000000-0000-0000-0000-000000000000" uri="http://api.esendex.com/v1.0/accounts/00000000-0000-0000-0000-000000000000" xmlns="http://api.esendex.com/ns/"> <reference>EX000000</reference> <label>EX000000</label> <address>123456789</address></pre>	

	<pre> <type>Professional</type> <messagesremaining>2000</messagesremaining> <expireson>2999-02-25T00:00:00</expireson> <role>PowerUser</role> <settings uri="http://api.esendex.com/v1.0/accounts/00000000-0000-0000-0000-000000000000/settings" /> </account> </pre>	
Successful response	Content Type: HTTP Status Code:	application/xml 200
Successful response data	N/A	
Unsuccessful response	Content Type: HTTP Status Code:	text/plain 400: Validation error

Retrieve Account Settings

This operation returns an Account Settings response detailing the current state of certain settings on an Esendex Account.

Resource		Accounts
URI	http://api.esendex.com/v1.0/accounts/00000000-0000-0000-0000-000000000000/settings	
HTTP-Method	GET	
Authentication	Basic	
Example request	N/A	
Successful response	Content Type: HTTP Status Code:	application/xml 200
Successful response data	<pre><?xml version="1.0" encoding="utf-8"?> <accountsettings> <concurrencyid>ems:00000000-0000-0000-0000-000000000000, options:00000000-0000-0000-0000- 000000000000</concurrencyid> <outbound> <defaultaliasenabled>true</defaultaliasenabled> <defaultalias>MyAlias</defaultalias> <defaultvalidity>24</defaultvalidity> </outbound> <autoresponse> <enabled>>false</enabled> <message>this is my auto response</message> <type>SMS</type> </autoresponse> <emailforwarding> <enabled>>false</enabled> <emailaddress /> <omitfooter>>false</omitfooter> <hideoriginator>>false</hideoriginator> </emailforwarding> <emailnotification> <deliveryenabled>>false</deliveryenabled> <failedenabled>>false</failedenabled> </emailnotification> <emailgeneral> <directreplyenabled>>false</directreplyenabled> <directreplyincludeoriginalmessage>>false</directreplyincludeoriginalmessage> <signaturemarker /> </emailgeneral> </accountsettings></pre>	
Unsuccessful response	Content Type: HTTP Status Code:	text/plain NOT 200

Update Account Settings

This operation allows updates to be performed on one or more account settings. The concurrency ID element is required, and can be obtained by making a prior GET request to the Account Settings resource.

Resource	Accounts	
URI	http://api.esendex.com/v1.0/accounts/00000000-0000-0000-0000-000000000000/settings	
HTTP-Method	PUT	
Authentication	Basic / Session	
Example request	<pre><?xml version="1.0 encoding="utf-8"?> <accountsettings xmlns="http://api.esendex.com/ns/"> <concurrencyid>ems:00000000-0000-0000-0000-000000000000, options:00000000-0000-0000-0000-0000- 000000000000</concurrencyid> <outbound> <defaultaliasenabled>true</defaultaliasenabled> <defaultalias>MyAlias</defaultalias> <defaultvalidity>24</defaultvalidity> </outbound> <autoresponse> <enabled>>false</enabled> <message>this is my auto response</message> <type>SMS</type> </autoresponse> </accountsettings></pre>	
Successful response	Content Type: HTTP Status Code:	application/xml 200
Successful response data	N/A	
Unsuccessful response	Content Type: HTTP Status Code:	text/plain 409: Concurrency ID mismatch 400: Validation error

Contacts

The Contacts resource allows the retrieval and creation of named contacts and telephone numbers. Contacts are associated with a user rather than an Account.

Retrieve Contacts

This operation will return a Contacts response listing all of a user's stored contacts.

Resource	Contacts	
URI	http://api.esendex.com/v1.0/contacts	
HTTP-Method	GET	
Authentication	Basic / Session	
Example request	N/A	
Successful response	Content Type: HTTP Status Code:	application/xml 200
Successful response data	<pre><?xml version="1.0" encoding="utf-8"?> <contacts startindex="0" count="2" totalcount="2" xmlns="http://api.esendex.com/ns/"> <contact id="00000000-0000-0000-0000-000000000000" uri="http://api.esendex.com/v1.0/contacts/00000000-0000-0000-0000- 000000000000/"> <concurrencyid>00000000-0000-0000-0000-000000000000</concurrencyid> <firstname>Test</firstname> <lastname>Contact</lastname> <quickname>Test Contact</quickname> <mobilenumber>123456789</mobilenumber> <type>Esendex</type> </contact><contact id="00000000-0000-0000-0000-000000000000" uri="http://api.esendex.com/v1.0/contacts/00000000-0000-0000-0000- 000000000000/"> <concurrencyid>00000000-0000-0000-0000-000000000000</concurrencyid> <firstname>Test2</firstname> <lastname>Contact2</lastname> <quickname>Test2 Contact2</quickname> <mobilenumber>987654321</mobilenumber> <type>Esendex</type> </contact> </contacts></pre>	
Unsuccessful response	Content Type: HTTP Status Code:	text/plain NOT 200

Retrieve Contact

This operation returns a Contact response for an individual Contact identified by GUID.

Resource		Contacts
URI	http://api.esendex.com/v1.0/contacts/00000000-0000-0000-0000-000000000000/	
HTTP-Method	GET	
Authentication	Basic / Session	
Example request	N/A	
Successful response	Content Type: HTTP Status Code:	application/xml 200
Successful response data	<pre><?xml version="1.0" encoding="utf-8"?> <contact id="00000000-0000-0000-0000-000000000000" uri="http://api.esendex.com/v1.0/contacts/00000000-0000-0000-0000-000000000000/" xmlns="http://api.esendex.com/ns/"> <concurrencyid>00000000-0000-0000-0000-000000000000</concurrencyid> <firstname>Test</firstname> <lastname>Contact</lastname> <quickname>Test Contact</quickname> <mobilenumber>4478912345</mobilenumber> <type>Esendex</type> <groups> <groupsummary id="00000000-0000-0000-0000-000000000000" uri="http://api.esendex.com/v1.0/contactgroups/00000000-0000-0000-0000-000000000000"> <name>TestGroup</name> </groupsummary> </groups> </contact></pre>	
Unsuccessful response	Content Type: HTTP Status Code:	text/plain NOT 200

Create Contact

This operation will add a new Contact based on the request submitted and return a Contact response.

Resource	Contacts	
URI	http://api.esendex.com/v1.0/contacts	
HTTP-Method	POST	
Authentication	Basic / Session	
Example request	<pre><?xml version="1.0" encoding="utf-8"?> <contacts xmlns="http://api.esendex.com/ns/"> <contact> <firstname>Test1</firstname> <lastname>Test1</lastname> <quickname>Test1User1</quickname> <mobilenumber>123456789</mobilenumber> <type>Esendex</type> </contact> </contacts></pre>	
Successful response	Content Type: HTTP Status Code:	application/xml 200
Successful response data	<pre><?xml version="1.0" encoding="utf-8"?> <contact id="00000000-0000-0000-0000-000000000000" uri="http://api.esendex.com/v1.0/contacts/00000000-0000-0000-0000-000000000000/" xmlns="http://api.esendex.com/ns/"> <concurrencyid>00000000-0000-0000-0000-000000000000</concurrencyid> <firstname>Test1</firstname> <lastname>Test1</lastname> <quickname>Test1User1</quickname> <mobilenumber>123456789</mobilenumber> <type>Esendex</type> </contact></pre>	
Unsuccessful response	Content Type: HTTP Status Code:	text/plain NOT 200

Create Contacts

This operation allows the creation of multiple Contacts with one request POST to the Contacts resource. There is only an HTTP Status Code result from this operation.

Resource	Contacts	
URI	http://api.esendex.com/v1.0/contacts	
HTTP-Method	POST	
Authentication	Basic / Session	
Example request	<pre><?xml version="1.0" encoding="utf-8"?> <contacts xmlns="http://api.esendex.com/ns/"> <contact> <firstname>Test1</firstname> <lastname>Test1</lastname> <quickname>Test1User1</quickname> <mobilenumber>123456789</mobilenumber> <type>Esendex</type> </contact> <contact> <firstname>Test2</firstname> <lastname>Test2</lastname> <quickname>Test2User2</quickname> <mobilenumber>987654321</mobilenumber> <type>Esendex</type> </contact> </contacts></pre>	
Successful response	Content Type: HTTP Status Code:	application/xml 200
Successful response data	N/A	
Unsuccessful response	Content Type: HTTP Status Code:	text/plain NOT 200

Update Contact

This operation will amend an existing contact

Resource		Contacts
URI	http://api.esendex.com/v1.0/contacts/00000000-0000-0000-0000-000000000000/	
HTTP-Method	PUT	
Authentication	Basic / Session	
Example request	<pre><?xml version="1.0" encoding="utf-8"?> <contact id="00000000-0000-0000-0000-000000000000" uri="http://api.esendex.com/v1.0/contacts/00000000-0000-0000-0000-000000000000/" xmlns="http://api.esendex.com/ns/" <concurrencyid>00000000-0000-0000-0000-000000000000</concurrencyid> <firstname>Test1</firstname> <lastname>Test1</lastname> <quickname>Test1User1BOB</quickname> <mobilenumber>123456789</mobilenumber> <type>Esendex</type> </contact></pre>	
Successful response	Content Type: HTTP Status Code:	application/xml 200
Successful response data	<pre><?xml version="1.0" encoding="utf-8"?> <contact id="00000000-0000-0000-0000-000000000000" uri="http://api.esendex.com/v1.0/contacts/00000000-0000-0000-0000-000000000000/" xmlns="http://api.esendex.com/ns/" <concurrencyid>00000000-0000-0000-0000-000000000000</concurrencyid> <firstname>Test1</firstname> <lastname>Test1</lastname> <quickname>Test1User1BOB</quickname> <mobilenumber>123456789</mobilenumber> <type>Esendex</type> </contact></pre>	
Unsuccessful response	Content Type: HTTP Status Code:	text/plain NOT 200

Delete Contact

This operation will remove an entry from a User's contacts. There is no response generated for this operation.

Resource	Contacts	
URI	http://api.esendex.com/v1.0/contacts/00000000-0000-0000-0000-000000000000	
HTTP-Method	DELETE	
Authentication	Basic / Session	
Example request	N/A	
Successful response	Content Type: HTTP Status Code:	application/xml 200
Successful response data	N/A	
Unsuccessful response	Content Type: HTTP Status Code:	text/plain NOT 200

Contact Groups

The Contact Groups resource allows the retrieval and creation of named groups which can be used to collect together one or more Contacts. The name of a Contact Group can be used in sending messages through the Message Dispatcher resource to save having to submit multiple telephone numbers.

Retrieve Contact Groups

This operation returns a Contact Groups response of all of the contact groups that a User has.

Resource	Contact Groups	
URI	http://api.esendex.com/v1.0/contactgroups/	
HTTP-Method	GET	
Authentication	Basic / Session	
Example request	N/A	
Successful response	Content Type: HTTP Status Code:	application/xml 200
Successful response data	<pre><?xml version="1.0" encoding="utf-8"?> <contactgroups startindex="0" count="3" totalcount="3" xmlns="http://api.esendex.com/ns/"> <contactgroup id="00000000-0000-0000-0000-000000000000" uri="http://api.esendex.com/v1.0/contactgroups/00000000-0000-0000- 0000-000000000000/"> <name>My Phones</name> <type>Esendex</type> <contacts uri="http://api.esendex.com/v1.0/contacts/?filterBy=ContactGroupId& amp;filterValue=00000000-0000-0000-0000-000000000000" totalcount="2" /> </contactgroup> ...[Additional contact groups]... </contactgroups></pre>	
Unsuccessful response	Content Type: HTTP Status Code:	text/plain NOT 200

Retrieve Contact Group

This option returns a Contact Group response for an individual Contact Group that the user owns. The response contains a link to the Contacts associated with the Contact Group (if any).

Resource		Contact Groups
URI	http://api.esendex.com/v1.0/contactgroups/00000000-0000-0000-0000-000000000000/	
HTTP-Method	GET	
Authentication	Basic / Session	
Example request	N/A	
Successful response	Content Type: HTTP Status Code:	application/xml 200
Successful response data	<pre><?xml version="1.0" encoding="utf-8"?> <contactgroup id="00000000-0000-0000-0000-000000000000" uri="http://api.esendex.com/v1.0/contactgroups/00000000-0000-0000-0000-000000000000/" xmlns="http://api.esendex.com/ns/"> <name>My Phones</name> <type>Esendex</type> <contacts uri="http://api.esendex.com/v1.0/contacts/?filterBy=ContactGroupId& amp;filterValue=00000000-0000-0000-0000-000000000000" totalcount="2" /> </contactgroup></pre>	
Unsuccessful response	Content Type: HTTP Status Code:	text/plain NOT 200

Create Contact Group

This operation creates a new Contact Group for use by the user.

Resource	Contact Groups	
URI	http://api.esendex.com/v1.0/contactgroups/	
HTTP-Method	POST	
Authentication	Basic / Session	
Example request	<pre><?xml version="1.0" encoding="UTF-8"?> <contactgroups xmlns="http://api.esendex.com/ns/"> <contactgroup> <name>TestGroup</name> <type>Esendex</type> </contactgroup> </contactgroups></pre>	
Successful response	Content Type: HTTP Status Code:	application/xml 200
Successful response data	<pre><?xml version="1.0" encoding="UTF-8"?> <contactgroup id="00000000-0000-0000-0000-000000000000" contactcount="0" xmlns="http://api.esendex.com/ns/"> <name>TestGroup</name> <type>Esendex</type> </contactgroup></pre>	
Unsuccessful response	Content Type: HTTP Status Code:	text/plain NOT 200

Update Contact Group

This operation will amend an existing Contact Group that the user owns.

Resource	Contact Group	
URI	http://api.esendex.com/v1.0/contactgroups/00000000-0000-0000-0000-000000000000	
HTTP-Method	PUT	
Authentication	Basic / Session	
Example request	<pre><?xml version="1.0" encoding="utf-8"?> <contactgroup id="00000000-0000-0000-0000-000000000000" uri="http://api.esendex.com/v1.0/contactgroups/00000000-0000-0000- 0000-000000000000/" xmlns="http://api.esendex.com/ns/"> <name>My Phones 2</name> <type>Esendex</type> </contactgroup></pre>	
Successful response	Content Type: HTTP Status Code:	application/xml 200
Successful response data	<pre><?xml version="1.0" encoding="utf-8"?> <contactgroup id="00000000-0000-0000-0000-000000000000" uri="http://api.esendex.com/v1.0/contactgroups/00000000-0000-0000- 0000-000000000000/" xmlns="http://api.esendex.com/ns/"> <name>My Phones 2</name> <type>Esendex</type> <contacts uri="http://api.esendex.com/v1.0/contacts/?filterBy=ContactGroupId& amp;filterValue=00000000-0000-0000-0000-000000000000" totalcount="2" /> </contactgroup></pre>	
Unsuccessful response	Content Type: HTTP Status Code:	text/plain NOT 200

Delete Contact Group

This operation will remove a Contact Group belonging to the user. All Contacts associated with the Contact Group will still remain.

Resource	Contact Groups	
URI	http://api.esendex.com/v1.0/contactgroups/00000000-0000-0000-0000-000000000000	
HTTP-Method	DELETE	
Authentication	Basic / Session	
Example request	N/A	
Successful response	Content Type: HTTP Status Code:	application/xml 200
Successful response data	N/A	
Unsuccessful response	Content Type: HTTP Status Code:	text/plain NOT 200

HTTP Status Codes

When interacting with the Esendex API, any HTTP responses will have an accompanying Status Code to indicate the success or failure of the operation you requested. Here is a list of the common ones used:

- 200 - OK
- 400 - Bad Request
- 402 - Payment Required
- 403 - Not Authorised
- 404 - Resource Not Found
- 405 - Method not Allowed
- 408 - Request Timed Out
- 500 - Problem with Esendex
- 503 - Server Under Maintenance