

Clang Webservice API 1.23



Manual version: 1.0.0

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Chapter 1

Clang Webservice API

1.1 Revision History

- 0.1
First public version
- 0.4
Second public version - Updated methods, added example code
- 0.5
Removed test-method
- 0.6
Manual Options added to sendToCustomers-method
- 0.7
Fixed sendToCustomer example
- 0.8
Added Tag API calls and updated the descriptions.
- 0.9
Added note about statistics to email_sendToCustomer() and email_sendToCustomers() API-calls
- 0.9.1
Added Google Analytics properties to Link Object. Removed Test-function. Added group_move() method.
- 0.9.3
Added example-code for API 1.2
- 0.9.4
Added documentation and example-code for campaign_execute()

- 0.9.5
Updated description of campaign_execute()
- 1.0.0
Added CustomerSet, Statistics and Resource-methods
- 1.0.1
Documentation updated
- 1.0.2
Added CampaignObject::formType
- 1.0.3
Updated example for customer_getByObject, Converted "bool" to "boolean"
- 1.0.4
Introduced API 1.4, added SMS-methods
- 1.0.5
Added SMS Examples
- 1.0.6
Added customer_insertUnique-method
- 1.0.7
Added campaign_getMembers, campaign_hasMember, campaign_addMember and campaign_removeMember. Updated description of customer_insertUnique.
- 1.0.8
Added example for group_hasMember()-method
- 1.1.0
Added Bounce, Complaint, Delivery and DeliverySet-objects. Added mailing_getDeliverySet. Added Link-information to the Click-object.
- 1.1.1
Added Complaint-functions. Added additional properties to Mailingstatistics (received, unique opens and clicks).
- 1.0
Added folder property to Email object
- 1.2
Added Account object and methods
- 1.22
- 1.0.4

- 1.0.4
- 1.0.4
- 1.0.4
- 1.11
- 1.12
- 1.13
- 1.14
- 1.15
- 1.16
- 1.17
- 1.0.0
- 1.0.0

1.2 Introduction

Welcome to the Clang Webservice API Manual! This document will try to provide a complete overview of the capabilities of the Clang Webservice API . It is divided in two chapters.

The first chapter will give an introduction the the Clang Webservice API , using illustrated examples and tutorials aswell as explain the basic concepts and design of the API.

The second chapter is generated automatically from the source-code of Clang and will provide a Reference of all available objects, attributes and methods. If available, the documented object or method will be accompanied by example-code.

Most industry-standard programming languages and IDEs are capable of integrating with (SOAP) Webservices, either built-in or via additional libraries/modules. All examples in this manual are based on C#-code in Microsoft's Visual Studio IDE. Although the syntax and implementation details are different, the basic concepts are the same throughout all development environments.

1.3 API Versioning

Both Clang and its Webservice API are in constant movement. New features are added on a daily basis. In order to ensure backwards compatibility with older versions of Clang and third-party implementations that rely on them, the

API of Clang is versioned. When we add, modify or remove features that break compatibility, a new API-version is introduced.

Although we try to ensure backwards compatibility, sometimes it is necessary to make modifications to existing API-versions, for example in the case of pending security-issues.

We will notify our existing customers well in advance if this situation occurs. In the meantime it is advised to always use the latest version of the API available.

The most recent version of the Clang Webservice API is 1.23. The WSDL is available at:

<https://secure.myclang.com/app/api/soap/public/index.php?wsdl&version=1.23>

1.4 Security

Although the Webservice API is available on both <https://> and <http://>, in order to guarantee safe exchange of data, we strongly encourage to use <https://>. The secure host is automatically used when the WSDL from the above location is used.

Authentication to the Clang Webservice API is done by using a Token. See below for more information to obtaining a Token. Because each Token is connected to an existing User and Brand within the Clang Webinterface, it is not possible to access multiple Brands using the same Token. Therefore, a separate Token is required for each Brand that needs to be accessed.

1.5 Getting Started

Please follow the steps below to get started using Clang in Visual Studio.NET.

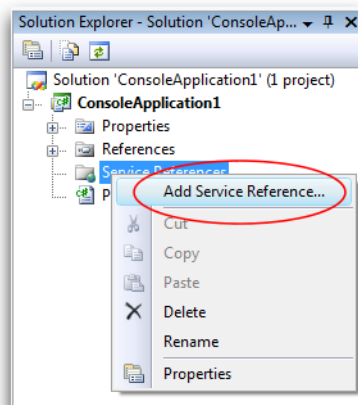
1.5.1 Getting a Token

In order to obtain your Token, please contact the Support Desk or your sales representative. Please note that the Token is used to authenticate the client to Clang and controls access to all client-data in Clang. Please do not spread or publish your Token and keep it in a safe place to prevent abuse. When you suspect the Token has been copied or your data has been compromised, please contact the Support Desk immediately so the Token can be disabled.

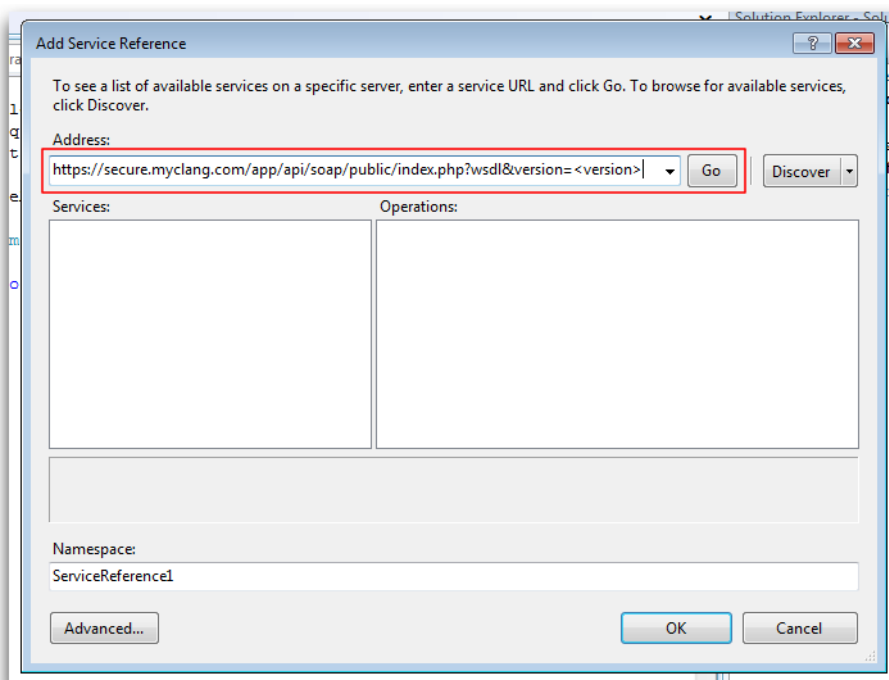
1.5.2 Configuring Microsoft Visual Studio

All example code below presumes the use of C#-code in Visual Studio.NET (2008). Please follow the steps below to prepare your Solution and to be able to run the examples:

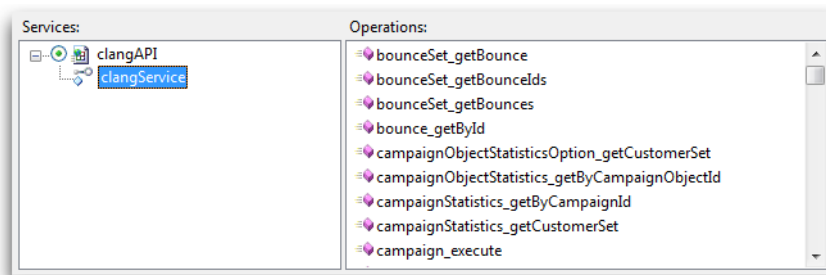
First the Clang Webservice API needs to be referenced in the Solution. Start a new Project and right-click "Service References" in the panel on the right side of the screen. Choose "Add Service Reference".



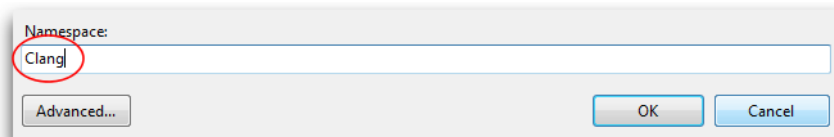
The the URL to the WSDL, as provided in this document. Please make sure to enter the correct version.



After clicking "Go", the WSDL is fetched and an overview is given of clangAPI and its methods. Please confirm that it looks like the screenshot below.



To be able to use the example-code in this manual without modifications, please rename the default Service Reference to "Clang" and click "Ok".



1.6 Overview

This section will give a global overview of the conventions, concepts and structures within the Clang Webservice API

1.6.1 Objects

Objects

Chapter 2

Class Index

2.1 Class List

Here are the classes, structs, unions and interfaces with brief descriptions:

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Chapter 3

Class Documentation

3.1 Account Class Reference

Public Member Functions

[account_addToCustomer](#) (string uuid, int customerId, string [accountId](#), string [network](#))

[account_deleteFromCustomer](#) (string uuid, int customerId, string [accountId](#), string [network](#))

Public Attributes

string [network](#)

string [accountId](#)

3.1.1 Detailed Description

[Account](#)

3.1.2 Member Function Documentation

3.1.2.1 [account_addToCustomer](#) (

uuid,

customerId,

accountId,

network)

Add an accountid of an external network to a customer. The supported networks are: Twitter, Facebook and Salesforce.

3.1.2.2 account_deleteFromCustomer (

uuid,

customerId,

accountId,

network)

Delete an accountid of an external network belonging to a customer. The supported networks are: Twitter, Facebook and Salesforce.

3.1.3 Member Data Documentation**3.1.3.1 string network**

The type of the network. The supported networks are: Twitter, Facebook and Salesforce.

3.1.3.2 string accountId

The account id or relation between a customer and an external network.

3.2 Bounce Class Reference**Public Member Functions**

[bounce_getById](#) (string uuid, int bounceId)

Public Attributes

int [id](#)

int [customerId](#)

int [mailingId](#)

string [bouncedAt](#)

string [rule](#)

string [category](#)

3.2.1 Detailed Description

[Bounce](#)

3.2.2 Member Function Documentation

3.2.2.1 `bounce_getById (`

`uuid,`

`bounceId)`

Get [Bounce](#) object by its [Bounce.id](#)

3.2.3 Member Data Documentation

3.2.3.1 `int id`

[Bounce](#) Identifier

3.2.3.2 `int customerId`

[Customer.id](#) as defined in the [Customer](#) object

3.2.3.3 `int mailingId`

[Mailing.id](#) as defined in the [Mailing](#) object

3.2.3.4 `string bouncedAt`

Date and Time of the [Bounce](#) (in "YYYY-MM-DD HH:MM:SS" format)

3.2.3.5 `string rule`

[Bounce](#) rule as defined in Clang. Temporary bounces are registered under Soft bounces. Permanent failures are registered under Hard bounces. The bounce reasons are:

CONNECTION ERROR

DOMAIN ERROR

FAILED

SUSPENDED

SYSTEM MISCONFIGURATION

PERMANENT_UNKNOWN

TEMPORARY_UNKNOWN

3.2.3.6 string category

[Bounce](#) category as defined in the [Delivery Status Notification RFC 3461](#)

3.3 BounceSet Class Reference

Public Member Functions

[bounceSet_getBounce](#) (string uuid, int resourceId, int index)

[bounceSet_getBounces](#) (string uuid, int resourceId, int offset, int size)

[bounceSet_getBounceIds](#) (string uuid, int resourceId, int offset, int size)

3.3.1 Detailed Description

[BounceSet](#)

3.3.2 Member Function Documentation

3.3.2.1 bounceSet_getBounce (

uuid,

resourceId,

index)

Get a single [Bounce](#) object from a [Resource](#). The Index-argument dictates the position of the [Bounce](#) in the [BounceSet](#) to be retrieved, from 0 (first element) to N-1 (last element).

3.3.2.2 bounceSet_getBounces (**uuid,****resourceId,****offset,****size)**

Get multiple [Bounce](#) objects from a [Resource](#), with a maximum of 50 objects at a time.

```
namespace ClangSoapClient {
    class MainClass {
        public static void Main(string[] args) {
            String token = "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx";

            Clang.clangServiceClient soap = new Clang.clangServiceClient();

            // Create a new (empty) Mailing-object
            Clang.Mailing mailing = new Clang.Mailing();
            mailing.id = 12345;

            long resourceId;

            // Fetch the Bounces from Clang
            soap.mailing_getBounceSet(token, mailing, out resourceId);

            // Wait until the resource is finished with preparing
            Clang.Resource ResourceObject;

            do {
                soap.resource_getById(token, resourceId, out ResourceObject);
                System.Threading.Thread.Sleep(5);
            } while (ResourceObject.status == "PROCESSING");

            // Resource is ready, start retrieve bounces in sets of 50
            long offset = 0;
            long batchSize = 50;
            while (offset < ResourceObject.size)
            {
                Clang.Bounces[] Bounces;
                soap.bounceSet_getBounces(token, resourceId, offset, batchSize, ←
                    out Bounces);

                foreach (Clang.Bounce Bounce in Bouncers)
                {
                    Console.WriteLine("Customer_ID:_" + Bounce.customerId);
                }
                offset += batchSize;
            }

            // Clear the Resource on the server
            bool doneFreeingResource;
            soap.resource_free(token, resourceId, out doneFreeingResource);
        }
    }
}
```

3.3.2.3 bounceSet_getBouncelds (**uuid,****resourceId,**

offset,

size)

Retrieve the [Bounce.id](#)'s from a [Resource](#), with a maximum of 50 [Bounce.id](#)'s per request. The [Bounce.id](#)'s can be used to retrieve [Bounce](#) objects through `bounce_getById`.

3.4 BrowserInformation Class Reference

Public Attributes

string [name](#)

string [version](#)

string [platform](#)

string [country](#)

string [httpAcceptCharset](#)

string [httpAcceptLanguage](#)

string [httpAcceptEncoding](#)

string [httpAccept](#)

string [httpUserAgent](#)

3.4.1 Detailed Description

[BrowserInformation](#)

3.4.2 Member Data Documentation

3.4.2.1 string name

Browser name

3.4.2.2 string version

Browser version

3.4.2.3 string platform

Browser platform

3.4.2.4 string country

User country

3.4.2.5 string httpAcceptCharset

HTTP header HTTP_ACCEPT_CHARSET

3.4.2.6 string httpAcceptLanguage

HTTP header HTTP_ACCEPT_LANGUAGE

3.4.2.7 string httpAcceptEncoding

HTTP header HTTP_ACCEPT_ENCODING

3.4.2.8 string httpAccept

HTTP header HTTP_ACCEPT

3.4.2.9 string httpUserAgent

HTTP header HTTP_USER_AGENT

3.5 Campaign Class Reference

Public Member Functions

[campaign_getAllExecutable](#) (string uuid)

[campaign_execute](#) (string uuid, int campaignId, [Option\[\]](#) options)

[campaign_executeAsync](#) (string uuid, int campaignId, [Option\[\]](#) options)

[campaign_getMembers](#) (string uuid, int campaignId)

[campaign_hasMember](#) (string uuid, int campaignId, int customerId)

[campaign_addMember](#) (string uuid, int campaignId, int customerId)

[campaign_removeMember](#) (string uuid, int campaignId, int customerId)

3.5.1 Detailed Description

[Campaign](#)

3.5.2 Member Function Documentation

3.5.2.1 [campaign_getAllExecutable](#) (uuid)

Get all campaigns that can be used with [campaign_execute\(\)](#)

3.5.2.2 [campaign_execute](#) (uuid, campaignId, options)

Start all StartOnEvent-objects in the [Campaign](#) defined by Campaign.id. The \$options are used by the StartOnEvent-objects.

```
namespace ClangSoapClient {
    class MainClass {
        public static void Main(string[] args) {
            String token = "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx";

            // Create SOAP instance
            Clang.clangServiceClient soap = new Clang.clangServiceClient();

            Clang.Option[] options = new Clang.Option[1];
            Clang.Option variableOption = new Clang.Option();

            variableOption.name = "product";
            variableOption.value = "Flatscreen_Television";

            options[0] = variableOption;

            // Run Campaign #5 with the chosen "product" as argument
            int campaignId = 5;

            bool success;
            soap.campaign_execute(token, campaignId, options, out success)
        }
    }
}
```


3.5.2.3 campaign_executeAsync (

uuid,

campaignId,

options)

Start all StartOnEvent-objects in the [Campaign](#) defined by Campaign.id asynchronously. The \$options are used by the StartOnEvent-objects.

3.5.2.4 campaign_getMembers (

uuid,

campaignId)

Gets the members of a specific campaign

```
class MainClass {
    public static void Main(string[] args) {
        String token = "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx";

        Clang.clangServiceClient soap = new Clang.clangServiceClient();

        long campaignId = 12345;
        // Create an resourceId variable
        long resourceId;

        // Fetch the Bounces from Clang
        soap.campaign_getMembers(token, campaignId, out resourceId);

        // Keep polling until Clang is ready with searching
        Clang.Resource ResourceObject;

        do {
            soap.resource_getById(token, resourceId, out ResourceObject);
            System.Threading.Thread.Sleep(5);
        } while(ResourceObject.status == "PROCESSING");

        if(ResourceObject.status == "READY") {
            // Clang is ready, start retrieving customers in sets of 50
            long offset = 0;
            long batchSize = 50;
            while(offset < ResourceObject.size) {
                Clang.Customer[] customers;
                soap.customerSet_getCustomers(token, resourceId, offset, ←
                    batchSize, out customers);

                foreach(Clang.Customer customer in customers) {
                    Console.WriteLine("E-mailaddress:_" + customer.emailAddress)←
                        ;
                }

                offset += batchSize;
            }

            // Remove the Resource from the server
            bool doneFreeingResource;
            soap.resource_free(token, resourceId, out doneFreeingResource);
        }
    }
}
```

See Also CustomerSet.getCustomers

Resource.getStatus

3.5.2.5 campaign_hasMember (

uuid,

campaignId,

customerId)

Checks if the customer belongs to the campaign

```
namespace ClangSoapClient {
    class MainClass {
        public static void Main(string[] args) {
            String token = "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx";

            // Create SOAP instance
            Clang.clangServiceClient soap = new Clang.clangServiceClient();

            int campaignId = 10;
            int customerId = 12345;
            bool hasMembership = false;

            try {
                soap.campaign_hasMember(token, campaignId, customerId, out ↵
                    hasMembership);

                if (hasMembership) {
                    Console.WriteLine("Customer_↵
                        of_Campaign_ID_#↵
                        " + campaignId);
                } else {
                    Console.WriteLine("Customer_↵
                        member_of_Campaign_ID_#↵
                        " + campaignId);
                }
            } catch (Exception exception) {
                Console.WriteLine(exception.Message);
            }
        }
    }
}
```

3.5.2.6 campaign_addMember (

uuid,

campaignId,

customerId)

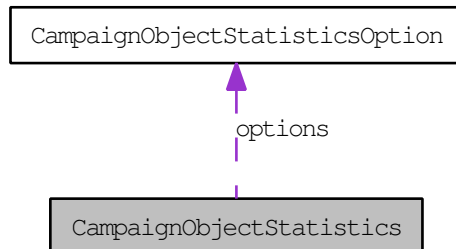
Adds a member to a campaign

```
namespace ClangSoapClient {
    class MainClass {
        public static void Main(string[] args) {
            String token = "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx";

            // Create SOAP instance
            Clang.clangServiceClient soap = new Clang.clangServiceClient();
```


3.6 CampaignObjectStatistics Class Reference

Collaboration diagram for CampaignObjectStatistics:



Public Member Functions

[campaignObjectStatistics_getByCampaignObjectId](#) (string uuid, string campaignObjectId)

Public Attributes

int [campaignId](#)

int [campaignObjectId](#)

[CampaignObjectStatisticsOption\[\]](#) [options](#)

3.6.1 Detailed Description

[CampaignObjectStatistics](#)

3.6.2 Member Function Documentation

3.6.2.1 [campaignObjectStatistics_getByCampaignObjectId](#) (
uuid,
[campaignObjectId](#))

Return [CampaignObjectStatistics](#) object by CampaignObject.id. Campaign-Object id's can be found in the detail pane in Clang.

3.6.3 Member Data Documentation

3.6.3.1 int campaignId

[Campaign](#) Identifier

3.6.3.2 int campaignObjectId

CampaignObject Identifier

3.6.3.3 CampaignObjectStatisticsOption [] options

Array of [CampaignObjectStatisticsOption](#) objects.

3.7 CampaignObjectStatisticsOption Class Reference

Public Member Functions

[campaignObjectStatisticsOption_getCustomerSet](#) (string uuid, string campaignObjectStatisticsOptionId)

Public Attributes

string [id](#)

string [name](#)

string [value](#)

boolean [hasCustomerSet](#)

3.7.1 Detailed Description

[CampaignObjectStatisticsOption](#)

3.7.2 Member Function Documentation

3.7.2.1 [campaignObjectStatisticsOption_getCustomerSet](#) (
uuid,

campaignObjectStatisticsOptionId)

Since the number of Customers connected to each Statistics [Option](#) can be significant, we return a [Resource.id](#). This [Resource.id](#) can be used to retrieve [Customer\(s\)](#) through the [CustomerSet](#) Class.

3.7.3 Member Data Documentation**3.7.3.1 string id**

Unique identifier

3.7.3.2 string name

Name of the Statistic

3.7.3.3 string value

Value of the Statistic

3.7.3.4 boolean hasCustomerSet

Indicates the availability of a [CustomerSet](#). If this is set to true the function `campaignObjectStatisticsOption_getCustomerSet` will start the creation of a [Resource](#) and return the [Resource.id](#)

3.8 CampaignStatistics Class Reference**Public Member Functions**

[campaignStatistics_getByCampaignId](#) (string uuid, int campaignId)

[campaignStatistics_getCustomerSet](#) (string uuid, int campaignId)

Public Attributes

int [smsableCustomers](#)

int [uniqueCustomers](#)

int [mailableCustomers](#)

int [uniqueEmailAddresses](#)

int [uniqueMobilePhoneNumbers](#)

3.8.1 Detailed Description

[CampaignStatistics](#)

3.8.2 Member Function Documentation

**3.8.2.1 [campaignStatistics_getByCampaignId](#) (
 uuid,
 campaignId)**

Get [CampaignStatistics](#) object by Campaign.id

**3.8.2.2 [campaignStatistics_getCustomerSet](#) (
 uuid,
 campaignId)**

Since the number of Customers connected to a [Campaign](#) can be significant, we return a [Resource.id](#). This [Resource.id](#) can be used to retrieve [Customer\(s\)](#) through the [CustomerSet](#) Class.

3.8.3 Member Data Documentation

3.8.3.1 [int smsableCustomers](#)

Number of smsable Customers

3.8.3.2 [int uniqueCustomers](#)

Number of unique customers

3.8.3.3 [int mailableCustomers](#)

Number of mailable Customers

3.8.3.4 [int uniqueEmailAddresses](#)

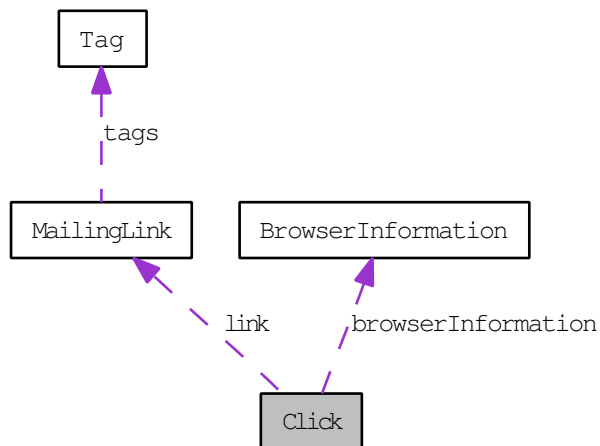
Number of unique E-mail Addresses

3.8.3.5 int uniqueMobilePhoneNumbers

Number of unique Mobile Phone Numbers

3.9 Click Class Reference

Collaboration diagram for Click:



Public Member Functions

[click_getById](#) (string uuid, int clickId)

Public Attributes

[MailingLink link](#)

int [id](#)

int [customerId](#)

int [mailingId](#)

string [clickedAt](#)

[BrowserInformation browserInformation](#)

3.9.1 Detailed Description

[Click](#)

3.9.2 Member Function Documentation

3.9.2.1 `click_getById (`

`uuid,`

`clickId)`

Get [Click](#) by id

3.9.3 Member Data Documentation

3.9.3.1 `MailingLink link`

Link Information

3.9.3.2 `int id`

[Click](#) Identifier

3.9.3.3 `int customerId`

[Customer.id](#)

3.9.3.4 `int mailingId`

[Mailing.id](#)

3.9.3.5 `string clickedAt`

Date and Time string of the [Click](#) (in "YYYY-MM-DD HH:MM:SS" format)

3.9.3.6 `BrowserInformation browserInformation`

Browser information

3.10 ClickSet Class Reference

Public Member Functions

[clickSet_getClick](#) (string uuid, int resourceId, int index)

[clickSet_getClicks](#) (string uuid, int resourceId, int offset, int size)

[clickSet_getClickIds](#) (string uuid, int resourceId, int offset, int size)

3.10.1 Detailed Description

[ClickSet](#)

3.10.2 Member Function Documentation

3.10.2.1 clickSet_getClick (

uuid,

resourceId,

index)

Get [Click](#) from the [ClickSet](#)

3.10.2.2 clickSet_getClicks (

uuid,

resourceId,

offset,

size)

Get [Click](#) objects from the [Resource](#), with a limit of 50 objects per request. If the [Resource](#) contains more objects, it will be necessary to call this function multiple times with the correct offset.

```
namespace ClangSoapClient {
    class MainClass {
        public static void Main(string[] args) {
            String token = "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx";

            Clang.clangServiceClient soap = new Clang.clangServiceClient();

            // Create a new(empty) MailingLink-object
            Clang.MailingLink mailingLink = new Clang.MailingLink();
            mailingLink.id = 12345;

            long resourceId;

            // Fetch the Click from Clang
            soap.mailingLink_getClickSet(token, mailingLink, out resourceId);

            // Wait until the resource is finished with preparing
            Clang.Resource ResourceObject;

            do {
                soap.resource_getById(token, resourceId, out ResourceObject);
```


3.11.1 Detailed Description

[Complaint](#)

3.11.2 Member Data Documentation

3.11.2.1 string feedbackloop

Feedbackloop

3.11.2.2 int id

[Complaint](#) Identifier

3.11.2.3 int customerId

[Customer.id](#) as defined in the [Customer](#) object

3.11.2.4 int mailingId

[Mailing.id](#) as defined in the [Mailing](#) object

3.11.2.5 string complaintAt

Date and Time of the [Complaint](#) (in "YYYY-MM-DD HH:MM:SS" format)

3.12 ComplaintSet Class Reference

Public Member Functions

[complaintSet_getComplaint](#) (string uuid, int resourceId, int index)

[complaintSet_getComplaints](#) (string uuid, int resourceId, int offset, int size)

[complaintSet_getComplaintIds](#) (string uuid, int resourceId, int offset, int size)

3.12.1 Detailed Description

[ComplaintSet](#)

3.12.2 Member Function Documentation

3.12.2.1 complaintSet_getComplaint (

uuid,

resourceId,

index)

Get a single [Complaint](#) object from a [Resource](#). The Index-argument dictates the position of the [Complaint](#) in the [ComplaintSet](#) to be retrieved, from 0 (first element) to N-1 (last element).

3.12.2.2 complaintSet_getComplaints (

uuid,

resourceId,

offset,

size)

Get multiple [Complaint](#) objects from a [Resource](#), with a maximum of 50 objects at a time.

3.12.2.3 complaintSet_getComplaintIds (

uuid,

resourceId,

offset,

size)

Retrieve the [Complaint.id](#)'s from a [Resource](#), with a maximum of 50 [Complaint.-id](#)'s per request. The [Complaint.id](#)'s can be used to retrieve [Complaint](#) objects through [Complaint_getById](#).

3.13 ConversionTracking Class Reference

Public Member Functions

[conversionTracking_track](#) (string uuid, [Option](#)[] keywords, string id)

3.13.1 Detailed Description

[ConversionTracking](#)

3.13.2 Member Function Documentation

3.13.2.1 `conversionTracking_track (`

`uuid,`

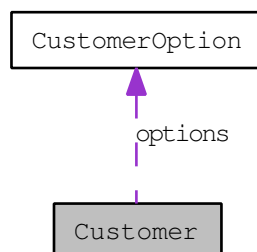
`keywords,`

`id)`

Tracks conversion for a mailing. If you enable conversion tracking in Clang you can use this function to register conversion in Clang. For the first argument you should send an array of options with the name of the keywords to track and the value you want to register. You need to send the `clangct-url` argument from the link from the e-mail to your website as the second argument.

3.14 Customer Class Reference

Collaboration diagram for Customer:



Public Member Functions

[customer_insertBulkUnique](#) (string uuid, [Customer](#)[] customers, String[] uniqueCustomerFields, String[] uniqueOptionFields)

[customer_create](#) (string uuid)

[customer_insert](#) (string uuid, [Customer](#) customer)

[customer_update](#) (string uuid, [Customer](#) customer)

`customer_insertUnique` (string uuid, `Customer` customer, String[] uniqueCustomerFields, String[] uniqueOptionFields)

`customer_getById` (string uuid, int customerId)

`customer_getByAccountId` (string uuid, string accountId, string network)

`customer_getGroups` (string uuid, int customerId)

`customer_getAll` (string uuid)

`customer_getByObject` (string uuid, `Customer` customer)

`customer_getByEmailAddress` (string uuid, string emailAddress)

`customer_getByMobilePhone` (string uuid, string mobilePhone)

`customer_getByExternalId` (string uuid, string externalId)

`customer_getByUsernameAndPassword` (string uuid, string userName, string password)

`customer_delete` (string uuid, `Customer` customer)

`customer_getTotalNumberOfCustomers` (string uuid)

`customer_upsert` (string uuid, `Customer` customer)

Public Attributes

`Account[]` accounts

string smsOptIn

string optIn

int id

string title

string lastname

string firstname

string middlename

string prefix

string suffix

string initials

string gender

string [maritalStatus](#)
string [birthday](#)
string [birthplace](#)
string [address](#)
string [address2](#)
string [address3](#)
string [addressNumber](#)
string [addressNumberSuffix](#)
string [zipCode](#)
string [poBox](#)
string [city](#)
string [state](#)
string [country](#)
string [companyName](#)
string [department](#)
string [alternateAddress](#)
string [alternateAddress2](#)
string [alternateAddress3](#)
string [alternateAddressNumber](#)
string [alternateAddressNumberSuffix](#)
string [alternateZipCode](#)
string [alternateCity](#)
string [alternateState](#)
string [alternateCountry](#)
string [contactMan](#)
string [jobTitle](#)
string [workPhone](#)
string [workExtension](#)

string [workMobile](#)
string [homePhone](#)
string [mobilePhone](#)
string [faxNumber](#)
string [emailAddress](#)
string [alternateEmailAddress](#)
string [emailType](#)
string [mailStatus](#)
int [softBounceCount](#)
int [hardBounceCount](#)
string [website](#)
string [imageUrl](#)
string [status](#)
string [externalId](#)
string [userName](#)
string [password](#)
string [createdBy](#)
string [createdAt](#)
string [modifiedBy](#)
string [modifiedAt](#)
[CustomerOption\[\] options](#)

3.14.1 Detailed Description

[Customer](#)

3.14.2 Member Function Documentation

3.14.2.1 [customer_insertBulkUnique \(](#)
uuid,

customers,
uniqueCustomerFields,
uniqueOptionFields)

Insert multiple customers into the database

3.14.2.2 customer_create (**uuid)**

Creates a new customer with default properties. No data will be written to the database until the method [customer_insert\(\)](#) is called

```
namespace ClangSoapClient {
    class MainClass {
        public static void Main(string[] args) {
            String token = "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx";

            // Create SOAP instance
            Clang.clangServiceClient soap = new Clang.clangServiceClient();

            // Create Customer-object to put the data in
            Clang.Customer customer;

            // Create a new (empty) Customer
            soap.customer_create(token, out customer);

            // Set some properties
            customer.lastname = "Smith";
            customer.emailAddress = "user@example.com";

            // Add Customer to the database
            bool success;
            soap.customer_insert(TOKEN, customer);
        }
    }
}
```

3.14.2.3 customer_insert (**uuid,** **customer)**

Inserts a new customer into the database based on the properties of the provided customer-object. The updated customer will be returned after a successful insert.

```
namespace ClangSoapClient {
    class MainClass {
        public static void Main(string[] args) {
            String token = "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx";

            // Create SOAP instance
            Clang.clangServiceClient soap = new Clang.clangServiceClient();

            // Create Customer-object to put the data in
            Clang.Customer customer;
```

```

// Create a new (empty) Customer
soap.customer_create(token, out customer);

// Set some properties
customer.lastname = "Smith";
customer.emailAddress = "user@example.com";

// Create a new Customer-object to put the updated data in
Clang.Customer newCustomer;

// Create a new (empty) Customer
soap.customer_insert(token, customer, out newCustomer);

// Show the resulting customerId
Console.WriteLine("Customer_ID:_" + newCustomer.id);
    }
}
}

```

3.14.2.4 customer_update (

uuid,

customer)

Updates an existing customer. Data in the database will be overwritten with the properties of the customer given as argument. The new customer object will be returned

```

namespace ClangSoapClient {
class MainClass {
public static void Main(string[] args) {
String token = "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx";

// Create SOAP instance
Clang.clangServiceClient soap = new Clang.clangServiceClient();

// Create Customer-object to put the data in
Clang.Customer customer;

// Get Customer with ID 1234
int id = 1234;
soap.customer_getById(token, id out customer);

// Change some properties
customer.lastname = "Smith";
customer.emailAddress = "user@example.com";

// Create a new Customer-object to put the updated data in
Clang.Customer newCustomer;

// Update the customer in Clang
soap.customer_update(token, customer, out newCustomer);

// Show the resulting emailAddress
Console.WriteLine("E-mailaddress:_" + newCustomer.emailAddress);
    }
}
}

```

3.14.2.5 customer_insertUnique (

uuid,

customer,
uniqueCustomerFields,
uniqueOptionFields)

Add a **Customer** to the database with deduplication-options, updates **Customer** if match is found. Please note that when multiple Customers match the search-criteria, only the first **Customer** will be updated and returned.

```
namespace ClangSoapClient {
    class MainClass {
        public static void Main(string[] args) {
            String token = "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx";

            // Create SOAP instance
            Clang.clangServiceClient soap = new Clang.clangServiceClient();

            // Create Customer-object to put the data in
            Clang.Customer customer;

            // Add some properties
            customer.lastname = "Smith";
            customer.emailAddress = "user@example.com";

            // Add a customer-option
            Clang.CustomerOption customerOption = new Clang.CustomerOption();
            customerOption.name = "INTERNAL_ID";
            customerOption.value = "xxx-xxx-1234";

            Clang.CustomerOption[] options = new Clang.CustomerOption[1];
            options[0] = customerOption;

            customer.options = options;

            // Deduplicate on e-mailaddress and INTERNAL_ID
            String[] uniqueCustomerfields = new String[1];
            uniqueCustomerfields[0] = "emailAddress";

            String[] uniqueOptionFields = new String[1];
            uniqueOptionFields[0] = "INTERNAL_ID";

            // Create a new Customer-object to put the updated data in
            Clang.Customer newCustomer;

            // Update the customer in Clang
            soap.customer_insertUnique(token, customer, uniqueCustomerfields, ←
                uniqueOptionFields, out newCustomer);

            // Show the resulting ID
            Console.WriteLine("ID:␣" + newCustomer.id);
        }
    }
}
```

3.14.2.6 customer_getById (

uuid,
customerId)

Load a customer from the database by its unique id.

```
namespace ClangSoapClient {
    class MainClass {
```

```

public static void Main(string[] args) {
    String token = "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx";

    // Create SOAP instance
    Clang.clangServiceClient soap = new Clang.clangServiceClient();

    // Fetch customer 12345
    int id = 12345;

    // Create Customer-object to put the data in
    Clang.Customer customer;

    // Fetch the Customer from Clang
    soap.customer_getById(token, id, out customer);

    // Add the e-mailaddress of the Customer to a ListBox
    Console.WriteLine(customer.emailAddress);
}
}
}

```

3.14.2.7 customer_getByAccountId (

uuid,

accountId,

network)

Searches the database for customer by the accountId of an external network. The supported networks are: Twitter, Facebook and Salesforce.

3.14.2.8 customer_getGroups (

uuid,

customerId)

Return list of groups the customer is a member of

3.14.2.9 customer_getAll (

uuid)

Get all customers

```

namespace ClangSoapClient {
    class MainClass {
        public static void Main(string[] args) {
            String token = "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx";

            // Create SOAP instance
            Clang.clangServiceClient soap = new Clang.clangServiceClient();

            // Create an array of Customers to store the results in
            long resourceId;

            // Fetch the Customer from Clang

```


mobilePhone)

Searches the database for customer by their mobile phone number

3.14.2.13 customer_getByExternalId (**uuid,****externalId)**

Searches the database for customer by their externalId

3.14.2.14 customer_getByUsernameAndPassword (**uuid,****userName,****password)**

Searches the database for customer by their userName and password

3.14.2.15 customer_delete (**uuid,****customer)**

Deletes a customer from the database. A boolean will be returned which indicates if the deletion was succesful.

```
namespace ClangSoapClient {
    class MainClass {
        public static void Main(string[] args) {
            String token = "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx";

            // Create SOAP instance
            Clang.clangServiceClient soap = new Clang.clangServiceClient();

            // Fetch customer 12345
            int id = 12345;

            // Create Customer-object to put the data in
            Clang.Customer customer;

            // Fetch the Customer from Clang
            soap.customer_getById(token, id, out customer);

            // Delete the Customer from the database
            soap.customer_delete(token, customer);
        }
    }
}
```


3.14.2.16 customer_getTotalNumberOfCustomers (uuid)

Returns the total number of customers in the current brand

3.14.2.17 customer_upsert (uuid, customer)

Updates or inserts a customer to the database, depending on the availability of the unique customer identification. When the customerId is known, it will be updated with the provided data. When the customerId is not known, a new customer will be inserted. In both cases the updated customer object will be returned.

```
namespace ClangSoapClient {
    class MainClass {
        public static void Main(string[] args) {
            String token = "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx";

            // Create SOAP instance
            Clang.clangServiceClient soap = new Clang.clangServiceClient();

            // Fetch customer 12345
            int id = 12345;

            // Create Customer-object to put the data in
            Clang.Customer customer;

            // Fetch the Customer from Clang
            soap.customer_getById(token, id, out customer);

            // Change some properties
            customer.lastname = "Smith";
            customer.emailAddress = "user@example.com";

            // To force an insert, clear the id-property
            // customer_upsert() will update the Customer
            // if the id is set
            customer.id = 0;

            // Insert or update the changed Customer
            soap.customer_upsert(token, customer);
        }
    }
}
```

3.14.3 Member Data Documentation

3.14.3.1 Account [] accounts

A set of external accounts on social networks etc.

3.14.3.2 string smsOptIn

The sms opt-in status of the [Customer](#). Either "Y" (yes) or "N" (no). "N" is the default value.

3.14.3.3 string optIn

The [Email](#) opt-in status of the [Customer](#). Either "Y" (yes) or "N" (no). "Y" is the default value.

3.14.3.4 int id

Unique [Customer](#) identifier

3.14.3.5 string title

The title of the [Customer](#). Maximum length: 100 characters

3.14.3.6 string lastname

The surname of the [Customer](#). Maximum length: 100 characters

3.14.3.7 string firstname

The first name of the [Customer](#). Maximum length: 40 characters

3.14.3.8 string middlename

The middle name of the [Customer](#). Maximum length: 40 characters

3.14.3.9 string prefix

The prefix of the [Customer](#). Maximum length: 16 characters

3.14.3.10 string suffix

The suffix of the [Customer](#). Maximum length: 16 characters

3.14.3.11 string initials

The initials of the [Customer](#). Maximum length: 20 characters

3.14.3.12 string gender

The gender of the [Customer](#). One of the following values are valid: MAN, WOMAN, FAMILY, UNKNOWN

3.14.3.13 string maritalStatus

The marital status of the [Customer](#). One of the following values are valid: UNKNOWN, SINGLE, MARRIED, DIVORCED, WIDOWED, ENGAGED, COHABITATING, DECEASED

3.14.3.14 string birthday

The birth date of the [Customer](#) in YYYY-MM-DD format

3.14.3.15 string birthplace

The birth place of the [Customer](#). Maximum length: 70 characters

3.14.3.16 string address

The first address line of the [Customer](#). Maximum length: 70 characters

3.14.3.17 string address2

The second address line of the [Customer](#). Maximum length: 70 characters

3.14.3.18 string address3

The third address line of the [Customer](#). Maximum length: 70 characters

3.14.3.19 string addressNumber

The house number of the [Customer](#). Maximum length: 10 characters

3.14.3.20 string addressNumberSuffix

The suffix of the house number of the [Customer](#). Maximum length: 10 characters

3.14.3.21 string zipCode

The zipCode of the [Customer](#). Maximum length: 20 characters

3.14.3.22 string poBox

The pobox number of the [Customer](#). Maximum length: 11 characters

3.14.3.23 string city

The city of the [Customer](#). Maximum length: 70 characters

3.14.3.24 string state

The home state of the [Customer](#). Maximum length: 60 characters

3.14.3.25 string country

The country of the [Customer](#). Maximum length: 70 characters

3.14.3.26 string companyName

The company name of the [Customer](#). Maximum length: 120 characters

3.14.3.27 string department

The department name of the [Customer](#). Maximum length: 30 characters

3.14.3.28 string alternateAddress

The first line of the secondary address of the [Customer](#). Maximum length: 70 characters

3.14.3.29 string alternateAddress2

The second line of the secondary address of the [Customer](#). Maximum length: 70 characters

3.14.3.30 string alternateAddress3

The third line of the secondary address of the [Customer](#). Maximum length: 70 characters

3.14.3.31 string alternateAddressNumber

The house number of the secondary address of the [Customer](#). Maximum length: 10 characters

3.14.3.32 string alternateAddressNumberSuffix

The suffix of the house number of the secondary address of the [Customer](#). Maximum length: 10 characters

3.14.3.33 string alternateZipCode

The zipcode of the secondary address of the [Customer](#). Maximum length: 7 characters

3.14.3.34 string alternateCity

The city of the secondary address of the [Customer](#). Maximum length: 70 characters

3.14.3.35 string alternateState

The state name of the secondary address of the [Customer](#). Maximum length: 60 characters

3.14.3.36 string alternateCountry

The the country of the secondary address of the [Customer](#). Maximum length: 70 characters

3.14.3.37 string contactMan

The primary contact man of the company of the [Customer](#). Maximum length: 255 characters

3.14.3.38 string jobTitle

The job title of the [Customer](#). Maximum length: 60 characters

3.14.3.39 string workPhone

The work phone number of the [Customer](#). Maximum length: 16 characters

3.14.3.40 string workExtension

The the extension of the work phone number of the [Customer](#). Maximum length: 10 characters

3.14.3.41 string workMobile

The mobile work phone number of the [Customer](#). Maximum length: 16 characters

3.14.3.42 string homePhone

The home phone number of the [Customer](#). Maximum length: 16 characters

3.14.3.43 string mobilePhone

The the mobile phone number of the [Customer](#). Maximum length: 16 characters

3.14.3.44 string faxNumber

The fax number of the [Customer](#). Maximum length: 16 characters

3.14.3.45 string emailAddress

The primary e-mail address of the [Customer](#). Maximum length: 80 characters

3.14.3.46 string alternateEmailAddress

The secondary e-mail address of the [Customer](#). Maximum length: 80 characters

3.14.3.47 string emailType

The preferred e-mail type of the [Customer](#). The following values are valid: HTML, TEXT, MULTIPART

3.14.3.48 string mailStatus

The e-mailstatus of the [Customer](#). Read only. Has a value of either ACTIVE or INACTIVE

3.14.3.49 int softBounceCount

The number of consecutive softbounces for this [Customer](#). Read only.

3.14.3.50 int hardBounceCount

The number of consecutive hardbounces for this [Customer](#). Read only.

3.14.3.51 string website

The URL of the website of the [Customer](#). Maximum length: 255 characters

3.14.3.52 string imageUrl

The URL to a picture of the [Customer](#). Read only.

3.14.3.53 string status

The status of the [Customer](#). Must be one of the following: SUSPECT, PROSPECT, CUSTOMER, BLACKLIST.

3.14.3.54 string externalId

A unrestricted "customer ID" field which can be filled with customer identification information. Maximum length: 100 characters

3.14.3.55 string userName

The user name of the [Customer](#) for authentication purposes. Maximum length: 100 characters

3.14.3.56 string password

The password of the [Customer](#) for authentication purposes. Maximum length: 50 characters

3.14.3.57 string createdBy

The name of the Portal-user that created this record. Read only. Maximum length: 80. Default value is 'UNKNOWN'

3.14.3.58 string createdAt

The creation date and time of this customer in "YYYY-MM-DD HH:MM:SS" format. Read only.

3.14.3.59 string modifiedBy

The name of the Portal-user that made the last modification to the record. Read only. Maximum length: 80.

3.14.3.60 string modifiedAt

The date and time of the last modification of this customer in "YYYY-MM-DD HH:MM:SS" format. Read only.

3.14.3.61 CustomerOption [] options

Besides the predefined properties that are available to all Customer-objects, a number of customized properties can be assigned to each customer. The names and values of these properties are stored in the [CustomerOption\[\]](#) "\$options". Each [CustomerOption](#) consists of a "name" and a "value" property.

3.15 CustomerOption Class Reference

Public Attributes

string [identifier](#)

int [customerId](#)

string [name](#)

string [value](#)

3.15.1 Detailed Description

[CustomerOption](#)

3.15.2 Member Data Documentation

3.15.2.1 string identifier

The identifier of the [CustomerOption](#) property

3.15.2.2 int customerId

The unique identification number of the customer to which this [CustomerOption](#) belongs

3.15.2.3 string name

The name of the [CustomerOption](#) property

3.15.2.4 string value

The value of the [CustomerOption](#) property

3.16 CustomerSet Class Reference

Public Member Functions

[customerSet_getCustomer](#) (string uuid, int resourceId, int index)

[customerSet_getCustomers](#) (string uuid, int resourceId, int offset, int size)

[customerSet_getCustomerIds](#) (string uuid, int resourceId, int offset, int size)

3.16.1 Detailed Description

[CustomerSet](#)

3.16.2 Member Function Documentation

3.16.2.1 customerSet_getCustomer (

uuid,

resourceId,

index)

Get one [Customer](#) object from the [Resource](#)

3.16.2.2 customerSet_getCustomers (

uuid,

resourceId,

offset,

size)

Get [Customer](#) objects from the [Resource](#), with a limit of 50 objects per request. If the [Resource](#) contains more objects, it will be necessary to call this function multiple times with the correct offset.

3.16.2.3 customerSet_getCustomerIds (

uuid,

resourceId,

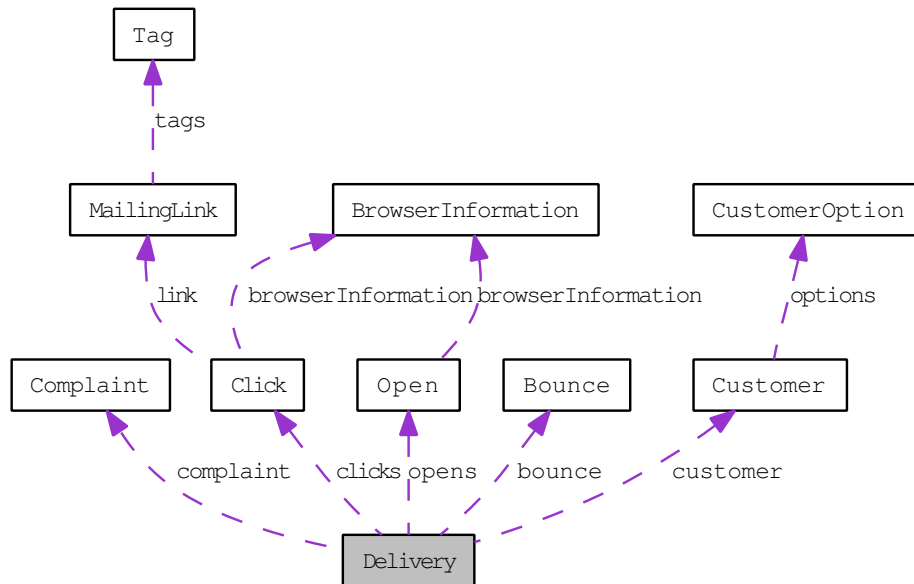
offset,

size)

Get an array of [Customer.id](#)'s from the [Resource](#), with a limit of 50 [Customer.id](#)'s per request. If the [Resource](#) contains more objects, it will be necessary to call this function multiple times with the correct offset. The [Customer.id](#)'s can be used to retrieve [Customer](#) objects through [customer_getById](#).

3.17 Delivery Class Reference

Collaboration diagram for Delivery:



Public Attributes

string [id](#)

string [status](#)

[Customer](#) [customer](#)

int [mailingId](#)

string [deliveryDate](#)

string [firstOpenDate](#)

string [lastOpenDate](#)

string [firstClickDate](#)

string [lastClickDate](#)

[Open\[\]](#) [opens](#)

[Click\[\]](#) [clicks](#)

[Bounce](#) [bounce](#)

[Complaint complaint](#)

3.17.1 Detailed Description

[Delivery](#)

3.17.2 Member Data Documentation

3.17.2.1 string id

Unique delivery Id

3.17.2.2 string status

[Delivery](#) status.

The delivery status can be one of the following:

DELIVERED - The mail has been delivered without any problems
BOUNCE-D - The mail has bounced
COMPLAINT - The receiver of the mail has filed a complaint
DELETED - De receiver of the mail has been deleted from the database

3.17.2.3 Customer customer

[Customer](#) information

3.17.2.4 int mailingId

[Mailing](#) Id

3.17.2.5 string deliveryDate

[Delivery](#) Date

3.17.2.6 string firstOpenDate

Date of first open (in "YYYY-MM-DD HH:MM:SS" format)

3.17.2.7 string lastOpenDate

Date of last open (in "YYYY-MM-DD HH:MM:SS" format)

3.17.2.8 string firstClickDate

Date of first click (in "YYYY-MM-DD HH:MM:SS" format)

3.17.2.9 string lastClickDate

Date of last click (in "YYYY-MM-DD HH:MM:SS" format)

3.17.2.10 Open [] opens

All Opens

3.17.2.11 Click [] clicks

All Clicks

3.17.2.12 Bounce bounce

If the email has bounced, this will contain the [Bounce](#) object

3.17.2.13 Complaint complaint

If the recipient has filed a complaint, this will contain a [Complaint](#) object

3.18 DeliverySet Class Reference

Public Member Functions

[deliverySet_getDelivery](#) (string uuid, int resourceId, int index)

[deliverySet_getDeliveries](#) (string uuid, int resourceId, int offset, int size)

3.18.1 Detailed Description

[DeliverySet](#)

3.18.2 Member Function Documentation

3.18.2.1 deliverySet_getDelivery (

uuid,

resourceId,

index)

Get a single [Delivery](#) object from a [Resource](#). The Index-argument dictates the position of the [Delivery](#) in the [DeliverySet](#) to be retrieved, from 0 (first element) to N-1 (last element).

3.18.2.2 deliverySet_getDeliveries (

uuid,

resourceId,

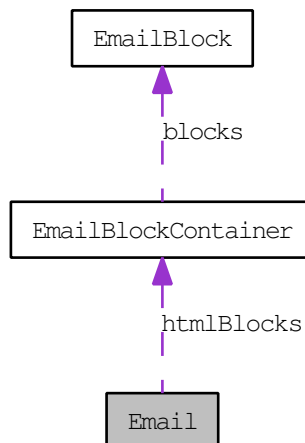
offset,

size)

Get multiple [Delivery](#) objects from a [Resource](#), with a maximum of 50 objects at a time.

3.19 Email Class Reference

Collaboration diagram for Email:



Public Member Functions

[email_insert](#) (string uuid, [Email](#) email)

[email_update](#) (string uuid, [Email](#) email)

[email_upsert](#) (string uuid, [Email](#) email)

[email_getById](#) (string uuid, int emailId)

email_listOptions (string uuid)

[email_sendToGroup](#) (string uuid, int emailId, int groupId, [Option\[\]](#) manualOptions, [Option\[\]](#) options)

[email_sendToProfile](#) (string uuid, int emailId, int profileId, [Option\[\]](#) manualOptions, [Option\[\]](#) options)

[email_sendToCustomer](#) (string uuid, int emailId, int customerId, [Option\[\]](#) manualOptions, [Option\[\]](#) options)

[email_sendToCustomers](#) (string uuid, int emailId, [Int\[\]](#) customerIds, [Option\[\]](#) manualOptions, [Option\[\]](#) options)

[email_getByObject](#) (string uuid, [Email](#) email)

[email_delete](#) (string uuid, int emailId)

[email_getAll](#) (string uuid)

[email_hasChanged](#) (string uuid, int broadcastId)

[email_create](#) (string uuid)

Public Attributes

string [defaultMailingType](#)

string [folder](#)

string [class](#)

int [id](#)

string [type](#)

int [templateId](#)

string [name](#)

int [campaignId](#)

string [fromAddress](#)

string [fromName](#)

string [replyToAddress](#)

string [replyToName](#)

string [subject](#)
string [createdBy](#)
string [createdAt](#)
string [modifiedBy](#)
string [modifiedAt](#)
string [htmlContent](#)
[EmailBlockContainer](#) [] [htmlBlocks](#)
string [textContent](#)

3.19.1 Detailed Description

[Email](#)

3.19.2 Member Function Documentation

3.19.2.1 [email_insert \(](#)

[uuid,](#)

[email \)](#)

Inserts a new e-mail into the database based on the properties of the provided e-mail-object. The updated e-mail will be returned after a succesful insert.

```
namespace ClangSoapClient {
    class MainClass {
        public static void Main(string[] args) {
            String token = "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx";

            // Create SOAP instance
            Clang.clangServiceClient soap = new Clang.clangServiceClient();

            // Create email object
            Clang.Email email = new Clang.Email();

            // Create new email filled with default properties
            soap.email_create(token, out email);

            // Show some properties
            Console.WriteLine("e-mail_id_=" + email.id);
            Console.WriteLine("e-mail_name_=" + email.name);
            Console.WriteLine("e-mail_type_=" + email.type);

            // Set e-mail properties
            email.name = "News_letter_Januari_2010";
            email.fromName = "Smith";
            email.fromAddress = "user@example.com";
            email.subject = email.name;
            email.htmlContent = "<html><body><H1>Newsletter </H1>_HTML_body_</<
body></html>";
            email.textContent = "Plain_text_body";
        }
    }
}
```



```

// Store new e-mail
soap.email_insert(token, email, out email);
Console.WriteLine("E-mail_inserted");

// Show some properties
Console.WriteLine("e-mail_id_=" + email.id);
Console.WriteLine("e-mail_name_=" + email.name);
Console.WriteLine("e-mail_type_=" + email.type);
    }
}
}

```

3.19.2.2 email_update (

uuid,

email)

Updates an existing e-mail. Data in the database will be overwritten with the properties of the e-mail given as argument. The new e-mail object will be returned

```

namespace ClangSoapClient {
    class MainClass {
        public static void Main(string[] args) {
            String token = "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx";

            // Create SOAP instance
            Clang.clangServiceClient soap = new Clang.clangServiceClient();

            // Create email object
            Clang.Email email = new Clang.Email();

            // Get email #142
            soap.email_getById(token, "142", out email);

            // Modify property
            email.name = "News_letter_Januari_2010";

            // Update e-mail
            soap.email_update(token, email, out email);
            Console.WriteLine("E-mail_updated");

            // Show some properties
            Console.WriteLine("e-mail_id_=" + email.id);
            Console.WriteLine("e-mail_name_=" + email.name);
            Console.WriteLine("e-mail_type_=" + email.type);
        }
    }
}

```

3.19.2.3 email_upsert (

uuid,

email)

Updates or inserts an e-mail to the database, depending on the availability of the unique e-mail identification. When the emailId is known, it will be updated with the provided data. When the emailId is not known, a new e-mail will be inserted. In both cases the updated e-mail object will be returned.

```

namespace ClangSoapClient {
    class MainClass {
        public static void Main(string[] args) {
            String token = "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx";

            // Create SOAP instance
            Clang.clangServiceClient soap = new Clang.clangServiceClient();

            // Create email object
            Clang.Email email = new Clang.Email();

            // Create new email filled with default properties
            soap.email_create(token, out email);

            // Show some properties
            Console.WriteLine("e-mail_id=" + email.id);
            Console.WriteLine("e-mail_name=" + email.name);
            Console.WriteLine("e-mail_type=" + email.type);

            // Set e-mail properties
            email.name = "News_letter_Januari_2010";
            email.fromName = "Smith";
            email.fromAddress = "user@example.com";
            email.subject = email.name;
            email.htmlContent = "<html><body><H1>Newsletter </H1><HTML_body_</>
            body></html>";
            email.textContent = "Plain_text_body";

            // Store or update new e-mail
            soap.email_upsert(token, email, out email);
            Console.WriteLine("E-mail_inserted");

            // Modify property
            email.name = "News_letter_Januari_2010";

            // Store or update new e-mail
            soap.email_upsert(token, email, out email);
            Console.WriteLine("E-mail_updated");

            // Show some properties
            Console.WriteLine("e-mail_id=" + email.id);
            Console.WriteLine("e-mail_name=" + email.name);
            Console.WriteLine("e-mail_type=" + email.type);
        }
    }
}

```

3.19.2.4 email_getById (

uuid,

emailId)

Load an E-mail from the database by its unique id

```

namespace ClangSoapClient {
    class MainClass {
        public static void Main(string[] args) {
            String token = "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx";

            // Create SOAP instance
            Clang.clangServiceClient soap = new Clang.clangServiceClient();

            // Create email object
            Clang.Email email = new Clang.Email();

            // Get email #142
            soap.email_getById(token, "142", out email);
        }
    }
}

```

```

        // Show some properties
        Console.WriteLine("e-mail_id=" + email.id);
        Console.WriteLine("e-mail_name=" + email.name);
        Console.WriteLine("e-mail_type=" + email.type);
    }
}

```

3.19.2.5 email_sendToGroup (

uuid,

emailId,

groupId,

manualOptions,

options)

Sends the provided [Email](#) to a specific [Group](#) (including subgroups)

```

namespace ClangSoapClient {
    class MainClass {
        public static void Main(string[] args) {
            String token = "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx";

            // Create SOAP instance
            Clang.clangServiceClient soap = new Clang.clangServiceClient();

            // Send e-mail #141 to all members of group #17
            Clang.Option[] options = new Clang.Option[0];
            bool result;
            soap.email_sendToGroup(token, "141", "17", options, out result);
        }
    }
}

```

3.19.2.6 email_sendToProfile (

uuid,

emailId,

profileId,

manualOptions,

options)

Sends the provided [Email](#) to a specific Profile

```

namespace ClangSoapClient {
    class MainClass {
        public static void Main(string[] args) {
            String token = "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx";

```

```

// Create SOAP instance
Clang.clangServiceClient soap = new Clang.clangServiceClient();

// Send e-mail #141 to all members of profile #11
bool result;
soap.email_sendToProfile(token, "141", "11", out result);
    }
}

```

3.19.2.7 email_sendToCustomer (

uuid,

emailId,

customerId,

manualOptions,

options)

Sends the provided [Email](#) to the specified [Customer](#). Although all statistics on the mailings are registered in Clang, it is currently not possible to view these statistics in Clang.

The following Options are available:

senderCustomerId : The ID of the [Customer](#) that is set as being the sender of the [Email](#) to facilitate Send-to-a-Friend-emails

overrideEmailAddress : Redirect the rendered [Email](#) to another e-mailaddress.

priority : LOW / NORMAL / HIGH

```

namespace ClangSoapClient {
    class MainClass {
        public static void Main(string[] args) {
            String token = "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx";

            // Create SOAP instance
            Clang.clangServiceClient soap = new Clang.clangServiceClient();

            // Send e-mail #141 to customer #949799 (no options needed)
            Clang.Option[] manualOptions = new Clang.Option[0];
            Clang.Option[] options = new Clang.Option[0];
            bool result;
            soap.email_sendToCustomer(token, "141", "949799", manualOptions, ←
                options, out result);
        }
    }
}

```

3.19.2.8 email_sendToCustomers (

uuid,

emailId,

customerIds,

manualOptions,

options)

Sends the provided [Email](#) to the specified Customers. Although all statistics on the mailings are registered in Clang, it is currently not possible to view these statistics in Clang. The following Options are available:

senderCustomerId : The ID of the [Customer](#) that is set as being the sender of the [Email](#) to facilitate Send-to-a-Friend-emails

overrideEmailAddress : Redirect the rendered [Email](#) to another e-mailaddress.

priority : LOW / NORMAL / HIGH

```
namespace ClangSoapClient {
    class MainClass {
        public static void Main(string[] args) {
            String token = "xxxxxxxx-xxxx-xxxx-xxxxxxxxxxxx";

            // Create SOAP instance
            Clang.clangServiceClient soap = new Clang.clangServiceClient();

            // Send e-mail #143 to customer #949799, #949800 and #949801
            Clang.Option[] manualOptions = new Clang.option[0];
            Clang.Option[] options = new Clang.Option[0];
            Clang.Int[] customerIds = new Clang.Int ();[]
            customerIds.Add(949799);
            customerIds.Add(949800);
            customerIds.Add(949801);

            bool result;
            soap.sms_sendToCustomers(token, 143, customerIds, manualOptions, ←
                options, out result);
        }
    }
}
```

3.19.2.9 email_getByObject (

uuid,

email)

Searches the database for e-mails that have the same properties as the provided [Email](#). Partial matches are possible using asterisks (*). To search for all e-mails with a name that starts with "Newsletter", create a new (empty) [Email](#) and set its name property to "Newsletter*"

Only the first 1000 matching e-mails will be returned

```
namespace ClangSoapClient {
    class MainClass {
        public static void Main(string[] args) {
            String token = "xxxxxxxx-xxxx-xxxx-xxxxxxxxxxxx";

            // Create SOAP instance
            Clang.clangServiceClient soap = new Clang.clangServiceClient();
```

```

// Create email object array
Clang.Email[] emails;
// Create search object
Clang.Email search = new Clang.Email();

// Find all e-mails with subject starting with 'Newsletter'
search.subject = "Newsletter*";
soap.email_getByObject(token, search, out emails);

// List e-mails
foreach(Clang.Email email in emails) {
    // Show some properties
    Console.WriteLine("e-mail_id={0}" + email.id);
    Console.WriteLine("e-mail_name={0}" + email.name);
    Console.WriteLine("e-mail_subject={0}" + email.subject);
    Console.WriteLine("e-mail_type={0}" + email.type);
    Console.WriteLine("-----");
}
}
}
}

```

3.19.2.10 email_delete (

uuid,

emailId)

Deletes an e-mail from the database. A boolean will be returned which indicates if the deletion was succesful.

```

namespace ClangSoapClient {
    class MainClass {
        public static void Main(string[] args) {
            String token = "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx";

            // Create SOAP instance
            Clang.clangServiceClient soap = new Clang.clangServiceClient();

            // Delete e-mail #142
            bool result;
            soap.email_delete(token, "142", out result);
        }
    }
}

```

3.19.2.11 email_getAll (

uuid)

Searches the database for all e-mails and e-mail template

Only the first 1000 e-mails will be returned

```

namespace ClangSoapClient {
    class MainClass {
        public static void Main(string[] args) {
            String token = "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx";

            // Create SOAP instance
            Clang.clangServiceClient soap = new Clang.clangServiceClient();

```

```

// Create email object array
Clang.Email[] emails;

soap.email_getAll(token, out emails);

// List e-mails
foreach(Clang.Email email in emails) {
    // Show some properties
    Console.WriteLine("e-mail_id={0} + email.id);
    Console.WriteLine("e-mail_name={0} + email.name);
    Console.WriteLine("e-mail_subject={0} + email.subject);
    Console.WriteLine("e-mail_type={0} + email.type);
    Console.WriteLine("-----");
}
}
}
}

```

3.19.2.12 email_hasChanged (

uuid,

broadcastId)

Check if the contents of the e-mail has changed since the provided broadcast

3.19.2.13 email_create (

uuid)

Creates a new e-mail with default properties. No data will be written to the database until the method [email_insert\(\)](#) is called

```

namespace ClangSoapClient {
    class MainClass {
        public static void Main(string[] args) {
            String token = "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx";

            // Create SOAP instance
            Clang.clangServiceClient soap = new Clang.clangServiceClient();

            // Create email object
            Clang.Email email = new Clang.Email();

            // Create new email filled with default properties
            soap.email_create(token, out email);

            // Show some properties
            Console.WriteLine("e-mail_id={0} + email.id);
            Console.WriteLine("e-mail_name={0} + email.name);
            Console.WriteLine("e-mail_type={0} + email.type);
        }
    }
}

```

3.19.3 Member Data Documentation

3.19.3.1 string defaultMailingType

Set the mailing type for this content, e.g. newsletter, servicemail, research

3.19.3.2 string folder

Folder path of e-mail. Campaignfolder name will not be included

3.19.3.3 string class

The class of the [Email](#). Valid values are "EMAIL" and "EMAILTEMPLATE"

3.19.3.4 int id

The unique identifier of the [Email](#)

3.19.3.5 string type

The mailType of the [Email](#). Valid values are "HTML", "TEXT" and "MULTIPART"

3.19.3.6 int templateId

When the [Email](#) is generated from a Template, this is the unique identifier for its template

3.19.3.7 string name

The name of the [Email](#)

3.19.3.8 int campaignId

If this [Email](#) belongs to a specific [Campaign](#), the campaignid will contain the unique identifier of that [Campaign](#)

3.19.3.9 string fromAddress

The e-mail address that will be sent as part of the From: header

3.19.3.10 string fromName

The name that will be sent as part of the From: header

3.19.3.11 string replyToAddress

The e-mail address that will be sent as part of the Reply-to: header

3.19.3.12 string replyToName

The name that will be sent as part of the Reply-to: header

3.19.3.13 string subject

The subject of the [Email](#)

3.19.3.14 string createdBy

The User that created this [Email](#)

3.19.3.15 string createdAt

The date and time this [Email](#) was created, in "YYYY-MM-DD HH:MM:SS" format

3.19.3.16 string modifiedBy

The User who modified this [Email](#) most recently

3.19.3.17 string modifiedAt

The date and time of the last modification, in "YYYY-MM-DD HH:MM:SS" format

3.19.3.18 string htmlContent

The raw HTML content of this [Email](#)

3.19.3.19 EmailBlockContainer [] htmlBlocks

An array of EmailBlockContainers that represent the used blocks in this [Email](#)

3.19.3.20 string textContent

The plaintext part of the [Email](#)

3.20 EmailBlock Class Reference

Public Attributes

int [id](#)

string [name](#)

string [content](#)

3.20.1 Detailed Description

[EmailBlock](#)

3.20.2 Member Data Documentation

3.20.2.1 int id

Block Identification

3.20.2.2 string name

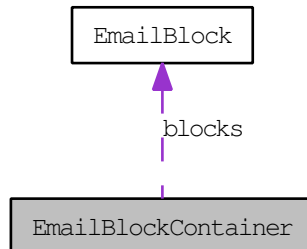
Block Name

3.20.2.3 string content

Block Content

3.21 EmailBlockContainer Class Reference

Collaboration diagram for EmailBlockContainer:



Public Attributes

int `id`

string `name`

string `type`

int `defaultBlockId`

`EmailBlock[]` `blocks`

3.21.1 Detailed Description

[EmailBlockContainer](#)

3.21.2 Member Data Documentation

3.21.2.1 int `id`

Block Container Identification

3.21.2.2 string `name`

Block Container Name

3.21.2.3 string `type`

Block Container Type

3.21.2.4 int defaultBlockId

Default Block Identification

3.21.2.5 EmailBlock [] blocks

Email Block Array

3.22 FileManager Class Reference

Public Member Functions

[filemanager_makeDir](#) (string uuid, string folder)

3.22.1 Detailed Description

[FileManager](#)

3.22.2 Member Function Documentation

3.22.2.1 filemanager_makeDir (

uuid,

folder)

make directory

3.23 Group Class Reference

Public Member Functions

[group_addMembersInBulk](#) (string uuid, [Group](#) group, [Customer](#)[] customers)

[group_hasMember](#) (string uuid, int groupId, int customerId, bool includeSub-Groups)

[group_getById](#) (string uuid, int groupId)

[group_delete](#) (string uuid, int groupId)

[group_getMembers](#) (string uuid, int groupId, bool recursive)

[group_update](#) (string uuid, [Group](#) group)
[group_move](#) (string uuid, [Group](#) group, int newParentId)
[group_getParent](#) (string uuid, [Group](#) group)
[group_create](#) (string uuid)
[group_insert](#) (string uuid, [Group](#) group)
[group_upsert](#) (string uuid, [Group](#) group)
[group_getByObject](#) (string uuid, [Group](#) group)
[group_getAll](#) (string uuid)
[group_getChildren](#) (string uuid, [Group](#) group)
[group_addMember](#) (string uuid, [Group](#) group, [Customer](#) customer)
[group_removeMember](#) (string uuid, [Group](#) group, [Customer](#) customer)
[group_calculate](#) (string uuid)

Public Attributes

int [id](#)
int [parentId](#)
string [name](#)
string [description](#)
string [createdBy](#)
string [createdAt](#)
string [modifiedBy](#)
string [modifiedAt](#)
string [countDate](#)
int [customerCountRecursive](#)
int [customerCount](#)

3.23.1 Detailed Description

[Group](#)

3.23.2 Member Function Documentation

3.23.2.1 group_addMembersInBulk (

uuid,

group,

customers)

Adds the provided Customers to a [Group](#).

3.23.2.2 group_hasMember (

uuid,

groupId,

customerId,

includeSubGroups)

Returns membership status for customer in group

```
namespace ClangSoapClient {
    class MainClass {
        public static void Main(string[] args) {
            String token = "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx";

            // Create SOAP instance
            Clang.clangServiceClient soap = new Clang.clangServiceClient();

            Clang.GroupMembership membership;

            int groupId = 10;
            int customerId = 12345;

            try {
                soap.group_hasMember(token, groupId, customerId, true, out membership);

                if (membership.isMember) {
                    Console.WriteLine("Customer_" + customerId + "_is_a_member_of_Group_" + membership.groupId + "_since_" + membership.startedAt);
                } else {
                    Console.WriteLine("Customer_" + customerId + "_is_not_a_member_of_Group_" + membership.groupId);
                }
            } catch (Exception exception) {
                // Customer already added to this group
                Console.WriteLine(exception.Message);
            }
        }
    }
}
```

3.23.2.3 group_getByld (

uuid,

groupId)

Load a **Group** from the database by its unique id

```
namespace ClangSoapClient {
    class MainClass {
        public static void Main(string[] args) {
            String token = "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx";

            // Create SOAP instance
            Clang.clangServiceClient soap = new Clang.clangServiceClient();

            // Create group-object to put the data in
            Clang.Group group = new Clang.Group();

            // Get group #14
            soap.group_getById(token, "14", out group);

            Console.WriteLine(group.id + ":\u0020" + group.name);
        }
    }
}
```

3.23.2.4 group_delete (

uuid,

groupId)

Deletes a **Group** from the database. A boolean will be returned which indicates if the deletion was succesful.

```
namespace ClangSoapClient {
    class MainClass {
        public static void Main(string[] args) {
            String token = "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx";

            // Create SOAP instance
            Clang.clangServiceClient soap = new Clang.clangServiceClient();

            // Delete group #13
            bool result;
            soap.group_delete(token, "13", out result);
        }
    }
}
```

3.23.2.5 group_getMembers (

uuid,

groupId,

recursive)

Return the unique members of the provided group. When recursive is set to TRUE, the children of the provided **Group** will be counted as well. Be careful with groups that have a large number of members, as this will generate a lot of data and can take quite a while.

group)

Updates an existing [Group](#). Data in the database will be overwritten with the properties of the [Group](#) given as argument. The new [Group](#) object will be returned. To move a group to a new parent, please use the [group_move\(\)](#) method

```
namespace ClangSoapClient {
    class MainClass {
        public static void Main(string[] args) {
            String token = "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx";

            // Create SOAP instance
            Clang.clangServiceClient soap = new Clang.clangServiceClient();

            // Create group-object to put the data in
            Clang.Group group = new Clang.Group();

            // Get group #8
            soap.group_getById(token, "8", out group);

            // Modify description
            group.description = "People_who_prefer_to_travel_by_train";

            // Update group
            soap.group_update(token, group, out group);

            Console.WriteLine(group.id + ":" + group.name);
            Console.WriteLine("====" + group.description);
        }
    }
}
```

3.23.2.7 group_move (**uuid,****group,****newParentId)**

Moves a [Group](#) to a new Parent

3.23.2.8 group_getParent (**uuid,****group)**

Returns the parent of the provided [Group](#).

```
namespace ClangSoapClient {
    class MainClass {
        public static void Main(string[] args) {
            String token = "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx";

            // Create SOAP instance
            Clang.clangServiceClient soap = new Clang.clangServiceClient();

            // Create group-object array to put the data in
```

```

Clang.Group group = new Clang.Group();

// Get group #8
soap.group_getById(token, "8", out group);

// Get all child groups
Clang.Group parentGroup;
soap.group_getParent(token, group, out parentGroup);

Console.WriteLine(parentGroup.id + ":\u2193" + parentGroup.name);
    }
}
}

```

3.23.2.9 group_create (uuid)

```

namespace ClangSoapClient {
class MainClass {
public static void Main(string[] args) {
String token = "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx";

// Create SOAP instance
Clang.clangServiceClient soap = new Clang.clangServiceClient();

// Create group-object array to put the data in
Clang.Group[] group = new Clang.Group();

// Create new group object
soap.group_create(token, out group);

// Set properties
// ...

// Store group
Clang.Group newGroup;
soap.group_insert(token, group, out newGroup);
}
}
}

```

Creates a new [Group](#) with default properties. No data will be written to the database until the method [group_insert group_insert\(\)](#) is called

3.23.2.10 group_insert (uuid, group)

Inserts a new [Group](#) into the database based on the properties of the provided Group-object. The updated [Group](#) will be returned after a succesful insert.

```

namespace ClangSoapClient {
class MainClass {
public static void Main(string[] args) {
String token = "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx";

// Create SOAP instance
Clang.clangServiceClient soap = new Clang.clangServiceClient();

```

```

// Create group-object to put the data in
Clang.Group group = new Clang.Group();

// Create new Group object
soap.group_create(token, out group);

// Set properties
group.name = "Car";
group.description = "People_who_prefer_to_travel_by_car";

// Store new group
soap.group_insert(token, group, out group);

Console.WriteLine(group.id + ":" + group.name);
    }
}
}

```

3.23.2.11 group_upsert (

uuid,

group)

Updates or inserts a [Group](#) to the database, depending on the availability of the unique [Group](#) identification. When the groupId is known, it will be updated with the provided data. When the groupId is not known, a new [Group](#) will be inserted. In both cases the updated [Group](#) object will be returned.

```

namespace ClangSoapClient {
    class MainClass {
        public static void Main(string[] args) {
            String token = "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx";

            // Create SOAP instance
            Clang.clangServiceClient soap = new Clang.clangServiceClient();

            // Create group-object to put the data in
            Clang.Group group = new Clang.Group();

            // Create new Group object
            soap.group_create(token, out group);

            // Set properties
            group.name = "Car";
            group.description = "People_who_prefer_to_travel_by_car";

            // Store new group
            soap.group_upsert(token, group, out group);

            // Modify description
            group.description = "People_who_prefer_to_travel_by_car_or_bike";

            // Store group
            soap.group_upsert(token, group, out group);

            Console.WriteLine(group.id + ":" + group.name);
            Console.WriteLine("description" + group.description);
        }
    }
}

```

3.23.2.12 group_getByObject (

uuid,
group)

Searches the database for groups that have the same properties as the provided [Group](#). For instance, to search for groups with the name "Prospects", create a new (empty) [Group](#) and set the "name" field to "Prospects". A search based on this [Group](#) will return an array of groups that have their name set to "Prospects". Partial matches are possible using asterisks (*).

```
namespace ClangSoapClient {
    class MainClass {
        public static void Main(string[] args) {
            String token = "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx";

            // Create SOAP instance
            Clang.clangServiceClient soap = new Clang.clangServiceClient();

            // Create group-object array to put the data in
            Clang.Group[] groups;

            // Create search object
            Clang.Group search = new Clang.Group();

            search.name = "Travel*";

            // Get all groups that start with 'Travel'
            soap.group_getByObject(token, search, out groups);

            foreach(Clang.Group group in groups) {
                Console.WriteLine(group.id + ":\u2013" + group.name);
            }
        }
    }
}
```

3.23.2.13 group_getAll (

uuid)

Searches the database for all groups

```
namespace ClangSoapClient {
    class MainClass {
        public static void Main(string[] args) {
            String token = "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx";

            // Create SOAP instance
            Clang.clangServiceClient soap = new Clang.clangServiceClient();

            // Create group-object array to put the data in
            Clang.Group[] groups;

            // Get all groups
            soap.group_getAll(token, out groups);

            foreach(Clang.Group group in groups) {
                Console.WriteLine(group.id + ":\u2013" + group.name);
            }
        }
    }
}
```

3.23.2.14 group_getChildren (**uuid,****group)**Returns the children of the provided [Group](#).

```

namespace ClangSoapClient {
    class MainClass {
        public static void Main(string[] args) {
            String token = "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx";

            // Create SOAP instance
            Clang.clangServiceClient soap = new Clang.clangServiceClient();

            // Create group-object array to put the data in
            Clang.Group group = new Clang.Group();

            // Get group #7
            soap.group_getById(token, "7", out group);

            // Get all child groups
            Clang.Group[] children;
            soap.group_getChildren(token, group, out children);

            foreach(Clang.Group childGroup in children) {
                Console.WriteLine(childGroup.id + ":\u2013" + childGroup.name);
            }
        }
    }
}

```

3.23.2.15 group_addMember (**uuid,****group,****customer)**Adds the provided [Customer](#) to a [Group](#).

```

namespace ClangSoapClient {
    class MainClass {
        public static void Main(string[] args) {
            String token = "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx";

            // Create SOAP instance
            Clang.clangServiceClient soap = new Clang.clangServiceClient();

            // Create group object
            Clang.Group group = new Clang.Group();

            // Get group #8
            soap.group_getById(token, "8", out group);

            // Create customer object
            Clang.Customer customer = new Clang.Customer();

            // Get customer #944986
            soap.customer_getById(token, "944986", out customer);

            // Add customer #944986 to group #8
            try {

```

```

        bool result;
        soap.group_addMember(token, group, customer, out result);
    } catch (Exception exception) {
        // Customer already added to this group
        Console.WriteLine(exception.Message);
    }
}
}
}
}
}

```

3.23.2.16 group_removeMember (

uuid,

group,

customer)

Removes the provided [Customer](#) from a [Group](#).

```

namespace ClangSoapClient {
    class MainClass {
        public static void Main(string[] args) {
            String token = "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx";

            // Create SOAP instance
            Clang.clangServiceClient soap = new Clang.clangServiceClient();

            // Create group object
            Clang.Group group = new Clang.Group();

            // Get group #8
            soap.group_getByld(token, "8", out group);

            // Create customer object
            Clang.Customer customer = new Clang.Customer();

            // Get customer #944986
            soap.customer_getByld(token, "944986", out customer);

            // Add customer #944986 to group #8
            bool result;
            try {
                soap.group_addMember(token, group, customer, out result);
                Console.WriteLine("Customer_added_to_group_" + group.name);
            } catch (Exception exception) {
                // Customer is already member of this group
                Console.WriteLine(exception.Message);
            }

            // Delete customer from group
            soap.group_removeMember(token, group, customer, out result);
            Console.WriteLine("Customer_deleted_from_group_" + group.name);
        }
    }
}
}
}
}
}

```

3.23.2.17 group_calculate (

uuid)

Deprecated function, all numbers are now default up-to-date

```
namespace ClangSoapClient {
    class MainClass {
        public static void Main(string[] args) {
            String token = "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx";

            // Create SOAP instance
            Clang.clangServiceClient soap = new Clang.clangServiceClient();

            // Add members
            // ...

            // Delete members
            // ...

            // Recalculate group members
            bool result;
            soap.group_calculate(token, out result);
        }
    }
}
```

3.23.3 Member Data Documentation

3.23.3.1 int id

Group Identifier

3.23.3.2 int parentId

Parent Group Identifier

3.23.3.3 string name

Group Name

3.23.3.4 string description

Group Description

3.23.3.5 string createdBy

Username who created the Group

3.23.3.6 string createdAt

Datetime when the Group was created. Read only.

3.23.3.7 string modifiedBy

Last Username who altered the [Group](#). Read only.

3.23.3.8 string modifiedAt

Last datetime this [Group](#) was altered. Read only.

3.23.3.9 string countDate

Date of last [Group](#) counting. Read only.

3.23.3.10 int customerCountRecursive

Number of Customers assigned to this [Group](#) or one of its siblings

3.23.3.11 int customerCount

Number of Customers **directly** assigned to this [Group](#)

3.24 GroupMembership Class Reference

Public Attributes

int **groupId**

int **customerId**

bool **isMember**

string **startedAt**

3.24.1 Detailed Description

[GroupMembership](#)

3.25 Magento Class Reference

Public Member Functions

[magento_customerInsertBulkUnique](#) (string uuid, [Customer](#)[] customers, int websiteId, websiteName)

[magento_customerInsertUnique](#) (string uuid, [Customer](#) customer, int websiteId)

[magento_getCampaigns](#) (string uuid)

[magento_getAvailableCustomerFields](#) (string uuid, string lang)

[magento_testConnection](#) (string uuid, string wsdl, string username, string password)

[magento_executeAbandonedCart](#) (string uuid, Int[] customerIds)

3.25.1 Detailed Description

[Magento](#)

3.25.2 Member Function Documentation

3.25.2.1 [magento_customerInsertBulkUnique](#) (
uuid,
customers,
websiteId,
)

Insert multiple customers into the database

3.25.2.2 [magento_customerInsertUnique](#) (
uuid,
customer,
websiteId)

Add a [Customer](#) to the database with deduplication-options, updates [Customer](#) if match is found. Please note that when multiple Customers match the search-criteria, only the first [Customer](#) will be updated and returned.

3.25.2.3 `magento_getCampaigns (uuid)`

Get all [Magento](#) campaigns

3.25.2.4 `magento_getAvailableCustomerFields (uuid, lang)`

Get all available customer fields in the right language (default English).

3.25.2.5 `magento_testConnection (uuid, wsdl, username, password)`

Test the wsdl with the given username and password

3.25.2.6 `magento_executeAbandonedCart (uuid, customerIds)`

Executes an abandonedCart for a list of customers

3.26 **MagentoAbandonedOrder Class Reference**

Collaboration diagram for `MagentoAbandonedOrder`:

Public Member Functions

[magentoAbandonedOrder_create](#) (string uuid)

[magentoAbandonedOrder_insert](#) (string uuid, [MagentoAbandonedOrder](#) order)

Public Attributes

int [id](#)

int [quoteId](#)

string [storeview](#)

int [storeviewId](#)

int [customerId](#)

double [subtotal](#)

double [total](#)

double [taxAmount](#)

double [discount](#)

string [currency](#)

int [createDate](#)

[MagentoProduct](#)[] [products](#)

3.26.1 Detailed Description

[MagentoAbandonedOrder](#)

3.26.2 Member Function Documentation

3.26.2.1 [magentoAbandonedOrder_create](#) (

uuid)

Creates a new abandoned order. No data will be written to the database until the method [magentoAbandonedOrder_insert\(\)](#) is called

3.26.2.2 [magentoAbandonedOrder_insert](#) (

uuid,

order)

Inserts a new abandoned order into the database based on the properties of the provided abandoned order object.

3.26.3 Member Data Documentation

3.26.3.1 int id

Unique Order identifier

3.26.3.2 int quoteld

[Magento](#) "Quote" identifier

3.26.3.3 string storeview

[Magento](#) storeview name

3.26.3.4 int storeviewld

[Magento](#) storeview id

3.26.3.5 int customerld

Clang customer id

3.26.3.6 double subtotal

Order price ex. VAT

3.26.3.7 double total

Total order price including VAT

3.26.3.8 double taxAmount

Amount of tax of the order

3.26.3.9 double discount

Amount of discount on this order

3.26.3.10 string currency

Currency used in the webshop

3.26.3.11 int createDate

Timestamp of when the order was deemed abandoned

3.26.3.12 MagentoProduct [] products

Array with [MagentoProduct](#) objects

3.27 MagentoCategory Class Reference

Public Member Functions

[magentoCategory_create](#) (string uuid)

[magentoCategory_upsert](#) (string uuid, [MagentoCategory](#) category)

Public Attributes

int [id](#)

int [externalCategoryId](#)

string [name](#)

3.27.1 Detailed Description

[MagentoCategory](#)

3.27.2 Member Function Documentation

3.27.2.1 magentoCategory_create (

uuid)

Creates a new category. No data will be written to the database until the method [magentoCategory_upsert](#) is called

3.27.2.2 magentoCategory_upsert (

uuid,

category)

Updates a category based on the external category id. Inserts a new category when nothing was found.

3.27.3 Member Data Documentation**3.27.3.1 int id**

Unique Category identifier

3.27.3.2 int externalCategoryId

[Magento](#) category id

3.27.3.3 string name

Category name

3.28 MagentoCreditMemo Class Reference

Collaboration diagram for MagentoCreditMemo:

Public Member Functions

[magentoCreditMemo_insert](#) (string uuid, [MagentoCreditMemo](#) creditmemo)

Public Attributes

int [id](#)

string [externalOrderId](#)

int [customerId](#)

string [globalCurrencyCode](#)

string [storeCurrencyCode](#)

string [orderCurrencyCode](#)

double [storeToBaseRate](#)

double [storeToOrderRate](#)
string [discountDescription](#)
double [shippingTaxAmount](#)
int [totalQuantity](#)
string [adjustmentPositive](#)
string [adjustmentNegative](#)
double [subtotal](#)
double [subtotalInclTax](#)
double [grandTotal](#)
double [taxAmount](#)
double [discountAmount](#)
double [shippingAmount](#)
double [shippingInclTax](#)
string [adjustment](#)
double [hiddenTaxAmount](#)
string [offlineRequested](#)
boolean [doTransaction](#)
string [state](#)
int [incrementId](#)
string [createdAt](#)
string [updatedAt](#)
string [baseCurrencyCode](#)
double [baseToGlobalRate](#)
double [baseToOrderRate](#)
double [baseShippingTaxAmount](#)
double [baseShippingAmount](#)
double [baseAdjustmentPositive](#)
double [baseAdjustmentNegative](#)

double [baseSubtotal](#)
double [baseSubtotalInclTax](#)
double [baseGrandTotal](#)
double [baseTaxAmount](#)
double [baseDiscountAmount](#)
double [baseShippingInclTax](#)
double [baseCost](#)
double [baseAdjustment](#)
double [baseHiddenTaxAmount](#)
[MagentoCreditMemoItem\[\]](#) items

3.28.1 Detailed Description

[MagentoCreditMemo](#)

3.28.2 Member Function Documentation

3.28.2.1 `magentoCreditMemo_insert (`
`uuid,`
`creditmemo)`

Inserts a new credit memo into the database based on the properties of the provided credit memo object.

3.28.3 Member Data Documentation

3.28.3.1 `int id`

`id`

3.28.3.2 `string externalOrderId`

`externalOrderId`

3.28.3.3 int customerId

customerId

3.28.3.4 string globalCurrencyCode

globalCurrencyCode

3.28.3.5 string storeCurrencyCode

storeCurrencyCode

3.28.3.6 string orderCurrencyCode

orderCurrencyCode

3.28.3.7 double storeToBaseRate

storeToBaseRate

3.28.3.8 double storeToOrderRate

storeToOrderRate

3.28.3.9 string discountDescription

discountDescription

3.28.3.10 double shippingTaxAmount

shippingTaxAmount

3.28.3.11 int totalQuantity

totalQuantity

3.28.3.12 string adjustmentPositive

adjustmentPositive

3.28.3.13 string adjustmentNegative

adjustmentNegative

3.28.3.14 double subtotal

subtotal

3.28.3.15 double subtotalInclTax

subtotalInclTax

3.28.3.16 double grandTotal

grandTotal

3.28.3.17 double taxAmount

taxAmount

3.28.3.18 double discountAmount

discountAmount

3.28.3.19 double shippingAmount

shippingAmount

3.28.3.20 double shippingInclTax

shippingInclTax

3.28.3.21 string adjustment

adjustment

3.28.3.22 double hiddenTaxAmount

hiddenTaxAmount

3.28.3.23 string offlineRequested

offlineRequested

3.28.3.24 boolean doTransaction

doTransaction

3.28.3.25 string state

state

3.28.3.26 int incrementId

incrementId

3.28.3.27 string createdAt

createdAt

3.28.3.28 string updatedAt

updatedAt

3.28.3.29 string baseCurrencyCode

baseCurrencyCode

3.28.3.30 double baseToGlobalRate

baseToGlobalRate

3.28.3.31 double baseToOrderRate

baseToOrderRate

3.28.3.32 double baseShippingTaxAmount

baseShippingTaxAmount

3.28.3.33 double baseShippingAmount

baseShippingAmount

3.28.3.34 double baseAdjustmentPositive

baseAdjustmentPositive

3.28.3.35 double baseAdjustmentNegative

baseAdjustmentNegative

3.28.3.36 double baseSubtotal

baseSubtotal

3.28.3.37 double baseSubtotalInclTax

baseSubtotalInclTax

3.28.3.38 double baseGrandTotal

baseGrandTotal

3.28.3.39 double baseTaxAmount

baseTaxAmount

3.28.3.40 double baseDiscountAmount

baseDiscountAmount

3.28.3.41 double baseShippingInclTax

baseShippingInclTax

3.28.3.42 double baseCost

baseCost

3.28.3.43 double baseAdjustment

baseAdjustment

3.28.3.44 double baseHiddenTaxAmount

baseHiddenTaxAmount

3.28.3.45 MagentoCreditMemoltem [] items

Array with [MagentoCreditMemoltem](#) objects

3.29 MagentoCreditMemoltem Class Reference

Public Attributes

int [storeId](#)

int [orderItemId](#)

string [externalProductId](#)

string [sku](#)

string [name](#)

double [price](#)

double [priceInclTax](#)

string [weeeTaxApplied](#)

double [weeeTaxAppliedAmount](#)

double [weeeTaxAppliedRowAmount](#)

string [weeeTaxDisposition](#)

string [weeeTaxRowDisposition](#)

int [quantity](#)

double [rowTotal](#)

double [rowTotalInclTax](#)

double [taxAmount](#)

double [hiddenTaxAmount](#)

int [backToStock](#)
string [createdAt](#)
string [updatedAt](#)
double [basePrice](#)
double [baseCost](#)
double [basePriceInclTax](#)
double [baseWeeeTaxAppliedAmount](#)
double [baseWeeeTaxAppliedRowAmount](#)
double [baseWeeeTaxAppliedRowAmnt](#)
string [baseWeeeTaxDisposition](#)
string [baseWeeeTaxRowDisposition](#)
double [baseRowTotal](#)
double [baseRowTotalInclTax](#)
double [baseTaxAmount](#)
double [baseHiddenTaxAmount](#)

3.29.1 Detailed Description

[MagentoCreditMemoltem](#)

3.29.2 Member Data Documentation

3.29.2.1 int storeId

storeId

3.29.2.2 int orderId

orderId

3.29.2.3 string externalProductId

externalProductId

3.29.2.4 string sku

sku

3.29.2.5 string name

name

3.29.2.6 double price

price

3.29.2.7 double priceInclTax

priceInclTax

3.29.2.8 string weeeTaxApplied

weeeTaxApplied

3.29.2.9 double weeeTaxAppliedAmount

weeeTaxAppliedAmount

3.29.2.10 double weeeTaxAppliedRowAmount

weeeTaxAppliedRowAmount

3.29.2.11 string weeeTaxDisposition

weeeTaxDisposition

3.29.2.12 string weeeTaxRowDisposition

weeeTaxRowDisposition

3.29.2.13 int quantity

quantity

3.29.2.14 double rowTotal

rowTotal

3.29.2.15 double rowTotalInclTax

rowTotalInclTax

3.29.2.16 double taxAmount

taxAmount

3.29.2.17 double hiddenTaxAmount

hiddenTaxAmount

3.29.2.18 int backToStock

backToStock

3.29.2.19 string createdAt

createdAt

3.29.2.20 string updatedAt

updatedAt

3.29.2.21 double basePrice

basePrice

3.29.2.22 double baseCost

baseCost

3.29.2.23 double basePriceInclTax

basePriceInclTax

3.29.2.24 double baseWeeeTaxAppliedAmount

baseWeeeTaxAppliedAmount

3.29.2.25 double baseWeeeTaxAppliedRowAmount

baseWeeeTaxAppliedRowAmount

3.29.2.26 double baseWeeeTaxAppliedRowAmnt

baseWeeeTaxAppliedRowAmnt

3.29.2.27 string baseWeeeTaxDisposition

baseWeeeTaxDisposition

3.29.2.28 string baseWeeeTaxRowDisposition

baseWeeeTaxRowDisposition

3.29.2.29 double baseRowTotal

baseRowTotal

3.29.2.30 double baseRowTotalInclTax

baseRowTotalInclTax

3.29.2.31 double baseTaxAmount

baseTaxAmount

3.29.2.32 double baseHiddenTaxAmount

baseHiddenTaxAmount

3.30 MagentoEmail Class Reference

Collaboration diagram for MagentoEmail:

Public Member Functions

[magentoEmail_insert](#) (string uuid, [MagentoEmail](#) email, string campaign-Name)

Public Attributes

string [folder](#)

string [class](#)

int [id](#)

string [type](#)

int [templated](#)

string [name](#)

int [campaignId](#)

string [fromAddress](#)

string [fromName](#)

string [replyToAddress](#)

string [replyToName](#)

string [subject](#)

string [createdBy](#)

string [createdAt](#)

string [modifiedBy](#)

string [modifiedAt](#)

string [htmlContent](#)

[EmailBlockContainer](#) [] [htmlBlocks](#)

string [textContent](#)

3.30.1 Detailed Description

[MagentoEmail](#)

3.30.2 Member Function Documentation

3.30.2.1 `magentoEmail_insert (`

`uuid,`

`email,`

`campaignName)`

Inserts a new e-mail into the database based on the properties of the provided e-mail object. Also a new default campaign will be created in which the email will be used. After creating the campaign the new campaign id will be returned.

3.30.3 Member Data Documentation

3.30.3.1 `string folder`

Folder path of e-mail. Campaignfolder name will not be included

3.30.3.2 `string class`

The class of the [Email](#). Valid values are "EMAIL" and "EMAILTEMPLATE"

3.30.3.3 `int id`

The unique identifier of the [Email](#)

3.30.3.4 `string type`

The mailType of the [Email](#). Valid values are "HTML", "TEXT" and "MULTIPART"

3.30.3.5 `int templateId`

When the [Email](#) is generated from a Template, this is the unique identifier for its template

3.30.3.6 `string name`

The name of the [Email](#)

3.30.3.7 int campaignId

If this [Email](#) belongs to a specific [Campaign](#), the campaignid will contain the unique identifier of that [Campaign](#)

3.30.3.8 string fromAddress

The e-mail address that will be sent as part of the From: header

3.30.3.9 string fromName

The name that will be sent as part of the From: header

3.30.3.10 string replyToAddress

The e-mail address that will be sent as part of the Reply-to: header

3.30.3.11 string replyToName

The name that will be sent as part of the Reply-to: header

3.30.3.12 string subject

The subject of the [Email](#)

3.30.3.13 string createdBy

The User that created this [Email](#)

3.30.3.14 string createdAt

The date and time this [Email](#) was created, in "YYYY-MM-DD HH:MM:SS" format

3.30.3.15 string modifiedBy

The User who modified this [Email](#) most recently

3.30.3.16 string modifiedAt

The date and time of the last modification, in "YYYY-MM-DD HH:MM:SS" format

3.30.3.17 string htmlContent

The raw HTML content of this [Email](#)

3.30.3.18 EmailBlockContainer [] htmlBlocks

An array of EmailBlockContainers that represent the used blocks in this [Email](#)

3.30.3.19 string textContent

The plaintext part of the [Email](#)

3.31 MagentoOrder Class Reference

Collaboration diagram for MagentoOrder:

Public Member Functions

[magentoOrder_update](#) (string uuid, [MagentoOrder](#) order)

[magentoOrder_create](#) (string uuid)

[magentoOrder_insert](#) (string uuid, [MagentoOrder](#) order)

[magentoOrder_insertBulk](#) (string uuid, [MagentoOrder](#)[] orders)

Public Attributes

string [quoteld](#)

double [subtotalInclTax](#)

string [couponCode](#)

int [totalQtyOrdered](#)

double [weight](#)

string [taxString](#)

double [shippingInclTax](#)
string [discountDescription](#)
double [shippingDiscountAmount](#)
int [totalItemCount](#)
string [status](#)
string [externalOrderId](#)
string [note](#)
int [id](#)
string [storeview](#)
int [customerId](#)
double [subtotal](#)
double [total](#)
double [taxAmount](#)
double [shippingCost](#)
double [discount](#)
string [currency](#)
int [rewardPoints](#)
string [billingFirstname](#)
string [billingMiddlename](#)
string [billingTitle](#)
string [billingLastname](#)
string [billingAddress](#)
string [billingZipCode](#)
int [billingPoBox](#)
string [billingCity](#)
string [billingState](#)
string [billingCountry](#)
string [billingCompanyName](#)

string [billingPhone](#)
string [billingEmailAddress](#)
string [shippingFirstname](#)
string [shippingMiddlename](#)
string [shippingTitle](#)
string [shippingLastname](#)
string [shippingAddress](#)
string [shippingZipCode](#)
int [shippingPoBox](#)
string [shippingCity](#)
string [shippingState](#)
string [shippingCountry](#)
string [shippingCompanyName](#)
string [shippingPhone](#)
string [paymentMethod](#)
string [shippingMethod](#)
int [orderDate](#)
[MagentoProduct](#)[] [products](#)
string [billingPrefix](#)
string [billingSuffix](#)
string [shippingPrefix](#)
string [shippingSuffix](#)

3.31.1 Detailed Description

[MagentoOrder](#)

3.31.2 Member Function Documentation

3.31.2.1 [magentoOrder_update](#) (

[uuid](#),

order)

Updates an existing order based on the properties of the provided order object.

3.31.2.2 magentoOrder_create (
uuid)

Creates a new order. No data will be written to the database until the method [magentoOrder_insert\(\)](#) is called

3.31.2.3 magentoOrder_insert (
uuid,
order)

Inserts a new order into the database based on the properties of the provided order object.

3.31.2.4 magentoOrder_insertBulk (
uuid,
orders)

Insert multiple orders into the database with a maximum of 1000

3.31.3 Member Data Documentation

3.31.3.1 string quoteId

Original quote id, used in abandoned cart

3.31.3.2 double subtotalInclTax

Order price including VAT

3.31.3.3 string couponCode

Code of redeemed coupon

3.31.3.4 int totalQtyOrdered

Total quantity of ordered items

3.31.3.5 double weight

Shipping weight

3.31.3.6 string taxString

Information concerning taxes

3.31.3.7 double shippingInclTax

Total shipping amount including VAT

3.31.3.8 string discountDescription

Description of discount

3.31.3.9 double shippingDiscountAmount

Discount on shipping

3.31.3.10 int totalItemCount

Total number of items

3.31.3.11 string status

Status of order

3.31.3.12 string externalOrderId

[Magento](#) order id

3.31.3.13 string note

[Customer](#) notes with order

3.31.3.14 int id

Unique Order identifier

3.31.3.15 string storeview

[Magento](#) storeview name

3.31.3.16 int customerId

Clang customer id

3.31.3.17 double subtotal

Order price ex. VAT

3.31.3.18 double total

Total order price including VAT

3.31.3.19 double taxAmount

Amount of tax of the order

3.31.3.20 double shippingCost

Shippingcost of the order

3.31.3.21 double discount

Amount of discount on this order

3.31.3.22 string currency

Currency used in the webshop

3.31.3.23 int rewardPoints

Reward points for this order

3.31.3.24 string billingFirstname

[Customer](#) firstname for billing address

3.31.3.25 string billingMiddlename

[Customer](#) middlename for billing address

3.31.3.26 string billingTitle

[Customer](#) title for billing address

3.31.3.27 string billingLastname

[Customer](#) lastname for billing address

3.31.3.28 string billingAddress

Billing address for the order

3.31.3.29 string billingZipCode

Billing zipcode for the order

3.31.3.30 int billingPoBox

Billing P.O. Box for the order

3.31.3.31 string billingCity

Billing city for the order

3.31.3.32 string billingState

Billing state for the order

3.31.3.33 string billingCountry

Billing country for the order

3.31.3.34 string billingCompanyName

Billing company name for the order

3.31.3.35 string billingPhone

Billing phone for the order

3.31.3.36 string billingEmailAddress

Billing emailaddress for the order

3.31.3.37 string shippingFirstname

[Customer](#) firstname for shipping address

3.31.3.38 string shippingMiddlename

[Customer](#) middlename for shipping address

3.31.3.39 string shippingTitle

[Customer](#) title for shipping address

3.31.3.40 string shippingLastname

[Customer](#) lastname for shipping address

3.31.3.41 string shippingAddress

Shipping address for the order

3.31.3.42 string shippingZipCode

Shipping zipcode for the order

3.31.3.43 int shippingPoBox

Shipping PO Box for the order

3.31.3.44 string shippingCity

Shipping city for the order

3.31.3.45 string shippingState

Shipping state for the order

3.31.3.46 string shippingCountry

Shipping country for the order

3.31.3.47 string shippingCompanyName

Company the order should be shipped to

3.31.3.48 string shippingPhone

Phonenumber belonging to the shipping address

3.31.3.49 string paymentMethod

Payment method

3.31.3.50 string shippingMethod

Shipping method

3.31.3.51 int orderDate

Timestamp of when the order was placed

3.31.3.52 MagentoProduct [] products

Array with [MagentoProduct](#) objects

3.31.3.53 string billingPrefix

[Customer](#) prefix for billing address

3.31.3.54 string billingSuffix

[Customer](#) suffix for billing address

3.31.3.55 string shippingPrefix

[Customer](#) prefix for shipping address

3.31.3.56 string shippingSuffix

[Customer](#) suffix for shipping address

3.32 MagentoProduct Class Reference

Collaboration diagram for MagentoProduct:

Public Member Functions

[magentoProduct_upsert](#) (string uuid, [MagentoProduct](#) product, bool abandoned)

[magentoProduct_create](#) (string uuid)

Public Attributes

int [storeId](#)

int [orderId](#)

[Option\[\]](#) [attributes](#)

int [id](#)

int [externalProductId](#)

string [sku](#)

string [name](#)

string [description](#)

string [url](#)

string [image](#)

int [orderId](#)

int [quantity](#)
double [priceEx](#)
double [price](#)
double [discount](#)
[MagentoCategory\[\]](#) [categories](#)
Int[] [related](#)
Int[] [upSell](#)
Int[] [crossSell](#)

3.32.1 Detailed Description

[MagentoProduct](#)

3.32.2 Member Function Documentation

3.32.2.1 [magentoProduct_upsert \(](#)

[uuid](#),
[product](#),
[abandoned](#))

Updates a product based on the external product id. Inserts a new product when nothing was found.

3.32.2.2 [magentoProduct_create \(](#)

[uuid](#))

Creates a new product. No data will be written to the database until the method [magentoProduct_insert](#) is called

3.32.3 Member Data Documentation

3.32.3.1 [int storeId](#)

[Magento](#) store id

3.32.3.2 int orderItemId

[Magento](#) order item id

3.32.3.3 Option [] attributes

Array with product attributes

3.32.3.4 int id

Unique Product identifier

3.32.3.5 int externalProductId

[Magento](#) product id

3.32.3.6 string sku

[Magento](#) product SKU

3.32.3.7 string name

[Magento](#) product title

3.32.3.8 string description

Product description

3.32.3.9 string url

URL to product page

3.32.3.10 string image

URL to product image

3.32.3.11 int orderId

Order id. Will be set automatically when a product is added to an order

3.32.3.12 int quantity

Amount of ordered products

3.32.3.13 double priceEx

Product price ex VAT

3.32.3.14 double price

Price of product inc VAT

3.32.3.15 double discount

Discount on the product

3.32.3.16 MagentoCategory [] categories

Array with [MagentoCategory](#) objects

3.32.3.17 Int [] related

Array with related product id's

3.32.3.18 Int [] upSell

Array with up sell product id's

3.32.3.19 Int [] crossSell

Array with cross sell product id's

3.33 MagentoShipment Class Reference

Collaboration diagram for MagentoShipment:

Public Member Functions

[magentoShipment_insert](#) (string uuid, [MagentoShipment](#) shipment)

[magentoShipment_create](#) (string uuid)

Public Attributes

int [id](#)

string [externalShipmentId](#)

string [externalOrderId](#)

string [storeview](#)

int [customerId](#)

string [billingFirstname](#)

string [billingMiddlename](#)

string [billingPrefix](#)

string [billingSuffix](#)

string [billingLastname](#)

string [billingAddress](#)

string [billingZipCode](#)

int [billingPoBox](#)

string [billingCity](#)

string [billingState](#)

string [billingCountry](#)

string [billingCompanyName](#)

string [billingPhone](#)

string [billingEmailAddress](#)

string [shippingFirstname](#)

string [shippingMiddlename](#)

string [shippingPrefix](#)

string [shippingSuffix](#)

string [shippingLastname](#)
string [shippingAddress](#)
string [shippingZipCode](#)
int [shippingPoBox](#)
string [shippingCity](#)
string [shippingState](#)
string [shippingCountry](#)
string [shippingCompanyName](#)
string [shippingPhone](#)
int [shippingDate](#)
[MagentoProduct\[\]](#) [products](#)

3.33.1 Detailed Description

[MagentoShipment](#)

3.33.2 Member Function Documentation

3.33.2.1 [magentoShipment_insert](#) (
uuid,
shipment)

Inserts a new shipment into the database based on the properties of the provided shipment object.

3.33.2.2 [magentoShipment_create](#) (
uuid)

Creates a new shipment. No data will be written to the database until the method [magentoShipment_insert\(\)](#) is called

3.33.3 Member Data Documentation

3.33.3.1 **int id**

Unique Shipment identifier

3.33.3.2 string externalShipmentId

[Magento](#) shipment id

3.33.3.3 string externalOrderId

[Magento](#) order id

3.33.3.4 string storeview

[Magento](#) storeview name

3.33.3.5 int customerId

Clang customer id

3.33.3.6 string billingFirstname

[Customer](#) firstname for billing address

3.33.3.7 string billingMiddlename

[Customer](#) middlename for billing address

3.33.3.8 string billingPrefix

[Customer](#) prefix for billing address

3.33.3.9 string billingSuffix

[Customer](#) suffix for billing address

3.33.3.10 string billingLastname

[Customer](#) lastname for billing address

3.33.3.11 string billingAddress

Billing address for the order

3.33.3.12 string billingZipCode

Billing zipcode for the order

3.33.3.13 int billingPoBox

Billing P.O. Box for the order

3.33.3.14 string billingCity

Billing city for the order

3.33.3.15 string billingState

Billing state for the order

3.33.3.16 string billingCountry

Billing country for the order

3.33.3.17 string billingCompanyName

Billing company name for the order

3.33.3.18 string billingPhone

Billing phone for the order

3.33.3.19 string billingEmailAddress

Billing emailaddress for the order

3.33.3.20 string shippingFirstname

[Customer](#) firstname for shipping address

3.33.3.21 string shippingMiddlename

[Customer](#) middlename for shipping address

3.33.3.22 string shippingPrefix

[Customer](#) prefix for shipping address

3.33.3.23 string shippingSuffix

[Customer](#) suffix for shipping address

3.33.3.24 string shippingLastname

[Customer](#) lastname for shipping address

3.33.3.25 string shippingAddress

Shipping address for the order

3.33.3.26 string shippingZipCode

Shipping zipcode for the order

3.33.3.27 int shippingPoBox

Shipping PO Box for the order

3.33.3.28 string shippingCity

Shipping city for the order

3.33.3.29 string shippingState

Shipping state for the order

3.33.3.30 string shippingCountry

Shipping country for the order

3.33.3.31 string shippingCompanyName

Company the order should be shipped to

3.33.3.32 string shippingPhone

Phonenumber belonging to the shipping address

3.33.3.33 int shippingDate

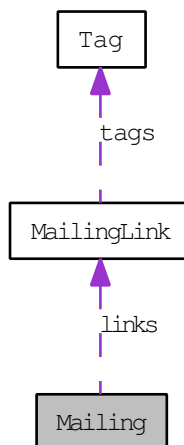
Timestamp of when the shipment was sent

3.33.3.34 MagentoProduct [] products

Array with [MagentoProduct](#) objects

3.34 Mailing Class Reference

Collaboration diagram for Mailing:



Public Member Functions

[mailing_getComplaintSet](#) (string uuid, [Mailing](#) mailing)

[mailing_getDeliverySet](#) (string uuid, [Mailing](#) mailing)

[mailing_getByCampaignObjectId](#) (string uuid, string campaignObjectId)

[mailing_getByDate](#) (string uuid, string fromDate, string toDate)

[mailing_getAll](#) (string uuid)

[mailing_getById](#) (string uuid, int mailingId)

[mailing_getQuickmails](#) (string uuid)

[mailing_getQuickmailsByDate](#) (string uuid, string fromDate, string toDate)

[mailing_getOpenSet](#) (string uuid, [Mailing](#) mailing)

[mailing_getBounceSet](#) (string uuid, [Mailing](#) mailing)

Public Attributes

string [plannedFor](#)

int [uniqueClicks](#)

int [uniqueOpens](#)

int [received](#)

int [campaignId](#)

string [campaignName](#)

int [id](#)

string [contentName](#)

string [sourceType](#)

string [sourceName](#)

int [customers](#)

int [throttle](#)

string [status](#)

[MailingLink](#)[] [links](#)

string [type](#)

string [description](#)

string [startedAt](#)

string [endedAt](#)

int [bounces](#)

int [opens](#)

int [clicks](#)

int [complaints](#)

3.34.1 Detailed Description

Mailing

3.34.2 Member Function Documentation

3.34.2.1 mailing_getComplaintSet (

uuid,
mailing)

Get resource id for a set of complaints.

3.34.2.2 mailing_getDeliverySet (

uuid,
mailing)

Get resource id for a set of deliveries.

```
using System;
using System.Text;
using System.Reflection;
using System.Collections;

namespace ClangClient
{
    class MainClass
    {
        public static void Main (string [] args)
        {
            string TOKEN = "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx";

            clangAPI api = new clangAPI ();

            // Retrieve mailing-object if mailingId 12715
            Mailing mailing;
            api.mailing_getById (TOKEN, 12715, out mailing);

            // Prepare resource for deliverySet
            long resourceId;
            api.mailing_getDeliverySet (TOKEN, mailing, out resourceId);

            // Wait for the selection to be READY
            Resource res;
            api.resource_getById (TOKEN, resourceId, out res);
            while (res.status != "READY") {
                Console.WriteLine (res.status);
                System.Threading.Thread.Sleep (1000);
                api.resource_getById (TOKEN, resourceId, out res);
            }

            // Print the number of records found
            Console.WriteLine (res.status);
            Console.WriteLine ("Found:_" + res.size);

            // Fetch the first delivery and display its contents
            Delivery d;
            api.deliverySet_getDelivery (TOKEN, resourceId, 0, out d);
        }
    }
}
```

```

        Console.WriteLine ("Status:_" + d.status);
        Console.WriteLine ("Delivery_Date:_" + d.deliveryDate);
        Console.WriteLine ("First_Click:_" + d.firstClickDate);
    }
}

```

3.34.2.3 mailing_getByCampaignObjectId (

uuid,

campaignObjectId)

Get all mailings by a CampaignObject.id

3.34.2.4 mailing_getByDate (

uuid,

fromDate,

toDate)

Get all mailings by a date offset

```

namespace ClangSoapClient {
    class MainClass {
        public static void Main(string[] args) {
            String token = "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx";

            // Start SOAP instance
            Clang.clangServiceClient soap = new Clang.clangServiceClient();

            long resourceId;
            Clang.Resource resource;

            // Request creation of new Resource for last weeks' mailings
            soap.mailing_getByDate(token, "-1_weeks", "now", out resourceId);
            if(resourceId > 0) {
                do {
                    soap.resource_getById(token, resourceId, out resource);
                    System.Threading.Thread.Sleep(1000);
                } while(resource.status == "PROCESSING");

                if(ResourceObject.status == "READY") {
                    // Resource is ready, start retrieving customers in sets of ←
                    50
                    long offset = 0;
                    long batchSize = 50;
                    while(offset < resource.size) {
                        Clang.Mailing[] lookupMailings;
                        soap.mailingSet_getMailings(token, resourceId, offset, ←
                            batchSize, out lookupMailings);
                        foreach(Clang.Mailing mailing in lookupMailings) {
                            Console.WriteLine(mailing.contentName + "_sent_at_" ←
                                + mailing.startedAt + "_to_" + mailing.←
                                customers.ToString() + "_customers");
                        }
                        offset += batchSize;
                    }

                    // Remove Resource from server
                    bool doneFreeingResource;
                }
            }
        }
    }
}

```

```
        soap.resource_free(token, resourceId, out ←  
        doneFreeingResource);  
    }  
} } }
```

3.34.2.5 mailing_getAll (

uuid)

Get all mailings

3.34.2.6 mailing_getById (

uuid,

mailingId)

Get mailing by [Mailing.id](#)

3.34.2.7 mailing_getQuickmails (

uuid)

Get all Quickmails

3.34.2.8 mailing_getQuickmailsByDate (

uuid,

fromDate,

toDate)

Get all QuickMails by a specific date offset.

3.34.2.9 mailing_getOpenSet (

uuid,

mailing)

Get [Resource.id](#) for a set of opens.

```

namespace ClangSoapClient {
    class MainClass {
        public static void Main(string[] args) {
            String token = "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx";
            Clang.clangServiceClient soap = new Clang.clangServiceClient();

            // Create a new(empty) Mailing-object
            Clang.Mailing mailing = new Clang.Mailing();
            mailing.id = 12345;

            long resourceId;

            // Fetch the Opens from Clang
            soap.mailing_getOpenSet(token, mailing, out resourceId);

            // Wait until the resource is finished with preparing
            Clang.Resource ResourceObject;

            do {
                soap.resource_getById(token, resourceId, out ResourceObject);
                System.Threading.Thread.Sleep(5);
            } while (ResourceObject.status == "PROCESSING");

            if (ResourceObject.status == "READY") {
                // Resource is ready, start retrieve opens in sets of 50
                long offset = 0;
                long batchSize = 50;
                while (offset < ResourceObject.size) {
                    Clang.Open[] opens;
                    soap.openSet_getOpens(token, resourceId, offset, batchSize, ←
                        out opens);

                    foreach (Clang.Open open in opens) {
                        Console.WriteLine(open.customerId);
                    }
                    offset += batchSize;
                }

                // Remove Resource from server
                bool doneFreeingResource;
                soap.resource_free(token, resourceId, out doneFreeingResource);
            }
        }
    }
}

```

3.34.2.10 mailing_getBounceSet (

uuid,

mailing)

Get resource id for a set of bounces.

```

namespace ClangSoapClient {
    class MainClass {
        public static void Main(string[] args) {
            String token = "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx";

            Clang.clangServiceClient soap = new Clang.clangServiceClient();

            // Create a new(empty) Mailing-object
            Clang.Mailing mailing = new Clang.Mailing();
            mailing.id = 12345;

            long resourceId;

            // Fetch the Bounces from Clang

```

```
soap.mailing_getBounceSet(token, mailing, out resourceId);

// Wait until the resource is finished with preparing
Clang.Resource ResourceObject;

do {
    soap.resource_getById(token, resourceId, out ResourceObject);
    System.Threading.Thread.Sleep(5);
} while (ResourceObject.status == "PROCESSING");

if (ResourceObject.status == "READY") {
    // Resource is ready, start retrieve bounces in sets of 50
    long offset = 0;
    long batchSize = 50;
    while (offset < ResourceObject.size) {
        Clang.Bounces[] bounces;
        soap.bounceSet_getBounces(token, resourceId, offset, ↵
            batchSize, out bounces);
        foreach (Clang.Bounce bounce in bounces) {
            Console.WriteLine(bounce.customerId);
        }
        offset += batchSize;
    }

    // Remove Resource from server
    bool doneFreeingResource;
    soap.resource_free(token, resourceId, out doneFreeingResource);
}
}
```

3.34.3 Member Data Documentation

3.34.3.1 string plannedFor

[Mailing](#) planned time

3.34.3.2 int uniqueClicks

[Mailing](#) unique clicks

3.34.3.3 int uniqueOpens

[Mailing](#) unique opens

3.34.3.4 int received

Number of customers who received the [Mailing](#)

3.34.3.5 int campaignId

The ID of the [Campaign](#) this [Mailing](#) belongs to.

3.34.3.6 string campaignName

The name of the [Campaign](#) this [Mailing](#) belongs to.

3.34.3.7 int id

Unique mailing id

3.34.3.8 string contentName

Name of content sent

3.34.3.9 string sourceType

Source type

3.34.3.10 string sourceName

Source name

3.34.3.11 int customers

Number of customers

3.34.3.12 int throttle

Throttle

3.34.3.13 string status

Status

{ ACTIVE, STOPPING, DONE }

3.34.3.14 MailingLink [] links

Links

3.34.3.15 string type

[Mailing](#) type { UNKNOWN, QUICKMAIL, CAMPAIGN }

3.34.3.16 string description

Mailing description, only used if type = QUICKMAIL

3.34.3.17 string startedAt

Mailing start time

3.34.3.18 string endedAt

Mailing end time

3.34.3.19 int bounces

Total bounces

3.34.3.20 int opens

Total opens

3.34.3.21 int clicks

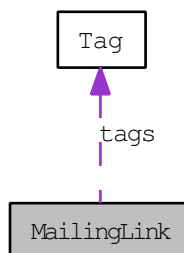
Total clicks

3.34.3.22 int complaints

Total complaints

3.35 MailingLink Class Reference

Collaboration diagram for MailingLink:



Public Member Functions

[mailingLink_getClickSet](#) (string uuid, [MailingLink](#) mailingLink)

Public Attributes

int [mailingId](#)

int [id](#)

string [url](#)

string [description](#)

boolean [track](#)

boolean [source](#)

boolean [blockId](#)

[Tag](#)[] [tags](#)

string [google_source](#)

string [google_medium](#)

string [google_term](#)

string [google_content](#)

string [google_campaign](#)

string [sitestat_campaign](#)

string [sitestat_source](#)

string [sitestat_mchannel](#)

string [sitestat_linkname](#)

string [sitestat_fee](#)

3.35.1 Detailed Description

[MailingLink](#)

3.35.2 Member Function Documentation

3.35.2.1 [mailingLink_getClickSet](#) (

[uuid](#),

mailingLink)

Get resource id for a set of clicks.

3.35.3 Member Data Documentation**3.35.3.1 int mailingId**

unique mailing id

3.35.3.2 int id

Unique identifier

3.35.3.3 string url

Unique [Resource](#) Location

3.35.3.4 string description

The description for this Link

3.35.3.5 boolean track

When set to TRUE, this Link will be tracked (clickthrough)

3.35.3.6 boolean source

Link exists in html/text/block

3.35.3.7 boolean blockId

If link exists in a block, this will be the blockid

3.35.3.8 Tag [] tags

A list of tags connected to this Link

3.35.3.9 string google_source

Google Analytics source property

3.35.3.10 string google_medium

Google Analytics medium property

3.35.3.11 string google_term

Google Analytics term property

3.35.3.12 string google_content

Google Analytics content property

3.35.3.13 string google_campaign

Google Analytics campaign property

3.35.3.14 string sitestat_campaign

SiteStat campaign property

3.35.3.15 string sitestat_source

SiteStat source property

3.35.3.16 string sitestat_mchannel

SiteStat mchannel property

3.35.3.17 string sitestat_linkname

SiteStat linkname property

3.35.3.18 string sitestat_fee

SiteStat fee property

3.36 MailingSet Class Reference

Public Member Functions

[mailingSet_getMailing](#) (string uuid, int resourceId, int index)

[mailingSet_getMailings](#) (string uuid, int resourceId, int offset, int size)

[mailingSet_getMailingIds](#) (string uuid, int resourceId, int offset, int size)

3.36.1 Detailed Description

[MailingSet](#)

3.36.2 Member Function Documentation

3.36.2.1 mailingSet_getMailing (

uuid,

resourceId,

index)

Get [Mailing](#) from [Mailing](#) set

3.36.2.2 mailingSet_getMailings (

uuid,

resourceId,

offset,

size)

Get Mailings from [MailingSet](#)

3.36.2.3 mailingSet_getMailingIds (

uuid,

resourceId,

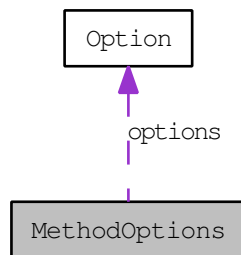
offset,

size)

Get [Mailing.id](#)'s from [MailingSet](#)

3.37 MethodOptions Class Reference

Collaboration diagram for MethodOptions:



Public Attributes

string [method](#)

[Option\[\] options](#)

3.37.1 Detailed Description

[MethodOptions](#)

3.37.2 Member Data Documentation

3.37.2.1 string method

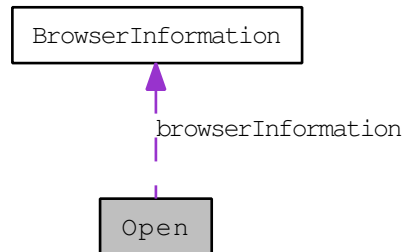
Method name

3.37.2.2 Option [] options

Available options

3.38 Open Class Reference

Collaboration diagram for Open:



Public Member Functions

[open_getById](#) (string uuid, int openId)

Public Attributes

int [id](#)

int [customerId](#)

int [mailingId](#)

string [openedAt](#)

[BrowserInformation](#) [browserInformation](#)

3.38.1 Detailed Description

[Open](#)

3.38.2 Member Function Documentation

3.38.2.1 open_getById (

uuid,

openId)

Get open by [Open.id](#)

3.38.3 Member Data Documentation

3.38.3.1 int id

[Open](#) Identifier

3.38.3.2 int customerId

[Customer](#) id

3.38.3.3 int mailingId

[Mailing](#) id

3.38.3.4 string openedAt

Opened at

3.38.3.5 BrowserInformation browserInformation

Browser information

3.39 OpenSet Class Reference

Public Member Functions

[openSet_getOpen](#) (string uuid, int resourceId, int index)

[openSet_getOpens](#) (string uuid, int resourceId, int offset, int size)

[openSet_getOpenIds](#) (string uuid, int resourceId, int offset, int size)

3.39.1 Detailed Description

[OpenSet](#)

3.39.2 Member Function Documentation

3.39.2.1 openSet_getOpen (

uuid,

resourceId,

index)

Get [Open](#) from [OpenSet](#)

3.39.2.2 openSet_getOpens (

uuid,

resourceId,

offset,

size)

Get opens from [Open](#) set from the specified offset

```
namespace ClangSoapClient {
    class MainClass {
        public static void Main(string[] args) {
            String token = "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx";

            Clang.clangServiceClient soap = new Clang.clangServiceClient();

            // Create a new(empty) Mailing-object
            Clang.Mailing mailing = new Clang.Mailing();
            mailing.id = 12345;

            long resourceId;

            // Fetch the Opens from Clang
            soap.mailing_getOpenSet(token, mailing, out resourceId);

            // Wait until the resource is finished with preparing
            Clang.Resource ResourceObject;

            do {
                soap.resource_getById(token, resourceId, out ResourceObject);
                System.Threading.Thread.Sleep(5);
            } while (ResourceObject.status == "PROCESSING");

            if (ResourceObject.status == "READY") {
                // Resource is ready, start retrieve opens in sets of 50
                long offset = 0;
                long batchSize = 50;
                while (offset < ResourceObject.size) {
                    Clang.Open[] opens;
                    soap.openSet_getOpens(token, resourceId, offset, batchSize, out opens);

                    foreach (Clang.open open in opens) {
                        Console.WriteLine(open.customerId);
                    }
                    offset += batchSize;
                }

                bool doneFreeingResource;
                soap.resource_free(token, resourceId, out doneFreeingResource);
            }
        }
    }
}
```

3.39.2.3 openSet_getOpenIds (

uuid,

resourceId,

offset,

size)

Get [Open](#) ids from [Open](#) set

3.40 Option Class Reference

Public Attributes

string [type](#)

string [name](#)

string [value](#)

3.40.1 Detailed Description

[Option](#)

3.40.2 Member Data Documentation

3.40.2.1 string type

[Option](#) mimetype

3.40.2.2 string name

[Option](#) name

3.40.2.3 string value

[Option](#) name

3.41 Resource Class Reference

Public Member Functions

[resource_getById](#) (string uuid, int resourceId)

[resource_free](#) (string uuid, int resourceId)

Public Attributes

int [id](#)

string [type](#)

string [status](#)

int [size](#)

3.41.1 Detailed Description

[Resource](#)

3.41.2 Member Function Documentation

3.41.2.1 [resource_getById](#) (

uuid,

resourceId)

This function will return a [Resource](#) object. It will be necessary to keep calling this function until the [Resource](#) status is no longer PROCESSING.

3.41.2.2 [resource_free](#) (

uuid,

resourceId)

Closes the [Resource](#) and removes the Set. After this call it will not be possible to access the dataset.

3.41.3 Member Data Documentation

3.41.3.1 int id

Unique resource identifier

3.41.3.2 string type

Retrieve the dataset of the [Resource](#) by using the corresponding Objects:

CUSTOMER_SET: [CustomerSet](#) object

MAILING_SET : [MailingSet](#) object

OPEN_SET : [OpenSet](#) object

CLICK_SET : [ClickSet](#) object

BOUNCE_SET : [BounceSet](#) object

3.41.3.3 string status

[Resource](#) status

PROCESSING : Not ready yet - gathering data

READY : [Resource](#) is ready

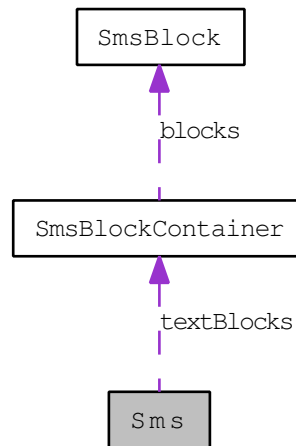
CLOSED : [Resource](#) closed

3.41.3.4 int size

Number of objects in the Set. A value of "0" means that the set is empty.

3.42 Sms Class Reference

Collaboration diagram for Sms:



Public Member Functions

[sms_listOptions](#) (string uuid)

[sms_create](#) (string uuid)

[sms_delete](#) (string uuid, int smsId)

[sms_sendToCustomer](#) (string uuid, int smsId, int customerId, [Option\[\]](#) manualOptions, [Option\[\]](#) options)

[sms_sendToCustomers](#) (string uuid, int smsId, [Int\[\]](#) customerIds, [Option\[\]](#) manualOptions, [Option\[\]](#) options)

[sms_getAll](#) (string uuid)

[sms_getById](#) (string uuid, int smsId)

[sms_insert](#) (string uuid, [Sms](#) sms)

[sms_getByObject](#) (string uuid, [Sms](#) sms)

[sms_sendToProfile](#) (string uuid, int smsId, int profileId)

[sms_hasChanged](#) (string uuid, int broadcastId)

[sms_update](#) (string uuid, [Sms](#) sms)

[sms_upsert](#) (string uuid, [Sms](#) sms)

[sms_sendToGroup](#) (string uuid, int smsId, int groupId, [Option\[\]](#) options)

Public Attributes

int **id**

int **campaignId**

string **name**

string **fromName**

string **plainText**

bool **enableUnicodeSupport**

int **maxSmsMessages**

string **createdBy**

string **createdAt**

string **modifiedBy**

string **modifiedAt**

SmsBlockContainer[] **textBlocks**

3.42.1 Detailed Description

Sms

3.42.2 Member Function Documentation

3.42.2.1 sms_listOptions (

uuid)

Returns list of available options for the methods

```
namespace ClangSoapClient {
    class MainClass {
        public static void Main(string[] args) {
            String token = "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx";

            // Create SOAP instance
            Clang.clangServiceClient soap = new Clang.clangServiceClient();

            // Create method option object array
            Clang.MethodOptions[] methodOptions;

            // Get information about Options that can be used by some sms_* ↔
            // methods
            soap.sms_listOptions(token, out methodOptions);

            // List SMS methodOptions
            foreach (Clang.MethodOptions methodOption in methodOptions) {
                Console.WriteLine("Method_name=_ " + methodOption.method);
            }
        }
    }
}
```

```

        // Show available options
        foreach(Clang.Option option in methodOption.options) {
            Console.WriteLine("    {0} *_{1}" + option.name);
        }
    }
}

```

3.42.2.2 sms_create (uuid)

Creates a new SMS with default properties. No data will be written to the database until the method [sms_insert\(\)](#) is called

```

namespace ClangSoapClient {
    class MainClass {
        public static void Main(string[] args) {
            String token = "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx";

            // Create SOAP instance
            Clang.clangServiceClient soap = new Clang.clangServiceClient();

            // Create SMS object
            Clang.Sms sms = new Clang.Sms();

            // Create new sms filled with default properties
            soap.sms_create(token, out sms);

            // Show some properties
            Console.WriteLine("sms_id_{0}" + sms.id);
            Console.WriteLine("sms_name_{0}" + sms.name);
        }
    }
}

```

3.42.2.3 sms_delete (

uuid,
smsId)

Delete SMS

```

namespace ClangSoapClient {
    class MainClass {
        public static void Main(string[] args) {
            String token = "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx";

            // Create SOAP instance
            Clang.clangServiceClient soap = new Clang.clangServiceClient();

            // Delete sms #143
            bool result;
            soap.sms_delete(token, 143, out result);
        }
    }
}

```

3.42.2.4 sms_sendToCustomer (

uuid,

smsId,

customerId,

manualOptions,

options)

Sends the provided SMS to the specified [Customer](#). Although all statistics on the mailings are registered in Clang, it is currently not possible to view these statistics in Clang.

overrideMobilePhone : Redirect the rendered SMS to another mobile phone number

3.42.2.5 sms_sendToCustomers (

uuid,

smsId,

customerIds,

manualOptions,

options)

Sends the provided SMS to the specified Customers. Although all statistics on the mailings are registered in Clang, it is currently not possible to view these statistics in Clang. The following Options are available:

overrideMobilePhone : Redirect the rendered SMS to another mobile phone number

```
namespace ClangSoapClient {
    class MainClass {
        public static void Main(string[] args) {
            String token = "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx";

            // Create SOAP instance
            Clang.clangServiceClient soap = new Clang.clangServiceClient();

            // Send SMS #143 to customer #949799, #949800 and #949801
            Clang.Option[] manualOptions = new Clang.Option[0];
            Clang.Option[] options = new Clang.Option[0];

            Clang.Int[] customerIds = new Clang.Int() [];
            customerIds.Add(949799);
            customerIds.Add(949800);
            customerIds.Add(949801);

            bool result;
            soap.sms_sendToCustomers(token, 143, customerIds, manualOptions, ↵
                options, out result);
        }
    }
}
```

```

    }
}

```

3.42.2.6 sms_getAll (

uuid)

Searches the database for all SMS's template

Only the first 1000 SMS's will be returned

```

namespace ClangSoapClient {
class MainClass {
public static void Main(string[] args) {
    String token = "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx";

    // Create SOAP instance
    Clang.clangServiceClient soap = new Clang.clangServiceClient();

    // Create sms object array
    Clang.Sms[] smss;

    soap.sms_getAll(token, out smss);

    // List sms's
    foreach (Clang.Sms sms in smss) {
        // Show some properties
        Console.WriteLine("sms_id_=" + sms.id);
        Console.WriteLine("sms_name_=" + sms.name);
        Console.WriteLine("sms_sender_=" + sms.fromName);
        Console.WriteLine("_____");
    }
}
}
}

```

3.42.2.7 sms_getById (

uuid,

smid)

Load an SMS from the database by its unique id

```

namespace ClangSoapClient {
class MainClass {
public static void Main(string[] args) {
    String token = "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx";

    // Create SOAP instance
    Clang.clangServiceClient soap = new Clang.clangServiceClient();

    // Create sms object
    Clang.Sms sms = new Clang.Sms();

    // Get sms #143
    soap.sms_getById(token, 142, out sms);

    // Show some properties
    Console.WriteLine("sms_id_=" + sms.id);
    Console.WriteLine("sms_name_=" + sms.name);
}
}
}

```

```

        Console.WriteLine("sms_sender_=" + sms.fromName);
    }
}

```

3.42.2.8 sms_insert (

uuid,

sms)

Inserts a new SMS into the database based on the properties of the provided sms-object. The updated SMS will be returned after a succesful insert.

```

namespace ClangSoapClient {
    class MainClass {
        public static void Main(string[] args) {
            String token = "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx";

            // Create SOAP instance
            Clang.clangServiceClient soap = new Clang.clangServiceClient();

            // Create SMS object
            Clang.Sms sms = new Clang.Sms();

            // Create new SMS filled with default properties
            soap.sms_create(token, out sms);

            // Show some properties
            Console.WriteLine("SMS_id_=" + sms.id);
            Console.WriteLine("SMS_name_=" + sms.name);

            // Set SMS properties
            sms.name = "SMS_Promotion";
            sms.fromName = "CLANG";
            sms.plainText = "SMS_promotion_body";

            // Store new SMS
            soap.sms_insert(token, sms, out sms);
            Console.WriteLine("SMS_inserted");

            // Show some properties
            Console.WriteLine("SMS_id_=" + sms.id);
            Console.WriteLine("SMS_name_=" + sms.name);
            Console.WriteLine("SMS_sender_=" + sms.fromName);
            Console.WriteLine("SMS_body_=" + sms.plainText);
        }
    }
}

```

3.42.2.9 sms_getByObject (

uuid,

sms)

Searches the database for [Sms](#)'s that have the same properties as the provided [Sms](#). Partial matches are possible using asterisks (*). To search for all e-mails with a name that starts with "Newsletter", create a new (empty) SMS and set its name property to "Newsletter*"

Only the first 1000 matching e-mails will be returned

```
namespace ClangSoapClient {
    class MainClass {
        public static void Main(string[] args) {
            String token = "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx";

            // Create SOAP instance
            Clang.clangServiceClient soap = new Clang.clangServiceClient();

            // Create SMS object array
            Clang.Sms[] smss;
            // Create search object
            Clang.Sms search = new Clang.Sms();

            // Find all SMS's with name starting with 'Newsletter'
            search.name = "Newsletter*";
            soap.sms_getByObject(token, search, out smss);

            // List SMS's
            foreach (Clang.Sms sms in smss) {
                // Show some properties
                Console.WriteLine("sms_id=_ " + sms.id);
                Console.WriteLine("sms_name=_ " + sms.name);
                Console.WriteLine("sms_sender=_ " + sms.fromName);
                Console.WriteLine("_____");
            }
        }
    }
}
```

3.42.2.10 sms_sendToProfile (

uuid,

smsId,

profileId)

Description

3.42.2.11 sms_hasChanged (

uuid,

broadcastId)

Check if the contents of the SMS has changed since the provided broadcast

```
namespace ClangSoapClient {
    class MainClass {
        public static void Main(string[] args) {
            String token = "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx";

            // Create SOAP instance
            Clang.clangServiceClient soap = new Clang.clangServiceClient();

            bool hasChanged;
            soap.sms_hasChanged(token, 526, out hasChanged);

            if (hasChanged)
            {
```



```

namespace ClangSoapClient {
    class MainClass {
        public static void Main(string[] args) {
            String token = "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx";

            // Create SOAP instance
            Clang.clangServiceClient soap = new Clang.clangServiceClient();

            // Create SMS object
            Clang.Sms sms = new Clang.Sms();

            // Create new SMS filled with default properties
            soap.sms_create(token, out sms);

            // Show some properties
            Console.WriteLine("SMS_id_=" + sms.id);
            Console.WriteLine("SMS_name_=" + sms.name);
            Console.WriteLine("SMS_type_=" + sms.type);

            // Set SMS properties
            sms.name = "SMS_Promotion";
            sms.fromName = "Company";
            sms.plainText = "SMS_body";

            // Store or update new SMS
            soap.sms_upsert(token, sms, out sms);
            Console.WriteLine("SMS_inserted");

            // Modify property
            sms.name = "SMS_Information";

            // Store or update new SMS
            soap.sms_upsert(token, sms, out sms);
            Console.WriteLine("SMS_updated");

            // Show some properties
            Console.WriteLine("SMS_id_=" + sms.id);
            Console.WriteLine("SMS_name_=" + sms.name);
        }
    }
}

```

3.42.2.14 sms_sendToGroup (

uuid,

smsId,

groupId,

options)

Sends the provided SMS to a specific [Group](#) (including subgroups)

```

namespace ClangSoapClient {
    class MainClass {
        public static void Main(string[] args) {
            String token = "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx";

            // Create SOAP instance
            Clang.clangServiceClient soap = new Clang.clangServiceClient();

            // Send SMS #143 to all members of group #17
            Clang.Option[] options = new Clang.Option[0];
            bool result;
            soap.sms_sendToGroup(token, 143, 17, options, out result);
        }
    }
}

```

```
}  
}  
}
```

3.42.3 Member Data Documentation

3.42.3.1 string createdBy

The User that created this SMS

3.42.3.2 string createdAt

The date and time this SMS was created, in "YYYY-MM-DD HH:MM:SS" format

3.42.3.3 string modifiedBy

The User who modified this SMS most recently

3.42.3.4 string modifiedAt

The date and time of the last modification, in "YYYY-MM-DD HH:MM:SS" format

3.42.3.5 SmsBlockContainer [] textBlocks

An array of SmsBlockContainers that represent the used blocks in this SMS

3.43 SmsBlock Class Reference

Public Attributes

int [id](#)

string [name](#)

string [content](#)

3.43.1 Detailed Description

[SmsBlock](#)

3.43.2 Member Data Documentation

3.43.2.1 int id

Block Identification

3.43.2.2 string name

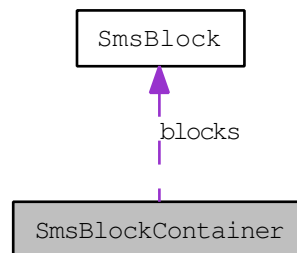
Block Name

3.43.2.3 string content

Block Content

3.44 SmsBlockContainer Class Reference

Collaboration diagram for SmsBlockContainer:



Public Attributes

int [id](#)

string [name](#)

string [type](#)

int [defaultBlockId](#)

[SmsBlock\[\]](#) [blocks](#)

3.44.1 Detailed Description

[SmsBlockContainer](#)

3.44.2 Member Data Documentation

3.44.2.1 int id

Block Container Identification

3.44.2.2 string name

Block Container Name

3.44.2.3 string type

Block Container Type

3.44.2.4 int defaultBlockId

Default Block Identification

3.44.2.5 SmsBlock [] blocks

SMS Block Array

3.45 Tag Class Reference

Public Attributes

int [id](#)

string [name](#)

int [weight](#)

3.45.1 Detailed Description

Tag

```
namespace ClangSoapClient {
    class MainClass {
        public static void Main(string[] args) {
            String token = "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx";
            Clang.Mailing mailing;

            foreach(Clang.MailingLink mailingLink in mailing.links) {
                Console.WriteLine(mailingLink.url + "↵" + mailingLink.↵
                    description);
                Console.WriteLine("↵↵↵Tags:");
            }
        }
    }
}
```

```
        foreach (Clang.Tag tag in mailingLink.tags) {  
            Console.WriteLine("        " + tag);  
        }  
    }  
}
```

3.45.2 Member Data Documentation

3.45.2.1 int id

Unique identifier

3.45.2.2 string name

The name of the [Tag](#)

3.45.2.3 int weight

The weight of the [Tag](#), ranging from 0 to 100, 100 being the default

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