

REST API Specification

interact.io

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V2.0

Created by: interact.io Scrum Team



Current version: V2.0 (← Revisionsdaten bitte hier ändern)

Following changes have been made in order to create the current version:

Change History Overview

Date	Change	Version	Status
12.12.2013	Added CRUD pictures; Remo Zellmer	-	draft
13.12.2013	Added POST /admin/users/:id?cmd=wipeAccount; Remo Zellmer	-	draft
17.12.2013	Updated /interactions calls, Remo Zellmer	-	draft
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07.01.2014	Fixed confusing naming for authToken <> triggerToken; deviceToken <> deviceId; Remo Zellmer	-	draft
09.01.2014	Added CRUD custom fields; Remo Zellmer	-	draft
28.07.2014	Added JSONP parameters; Johannes Selig	-	draft

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About this Document 1

This document describes the REST API of the interact.io platform. For basic understanding we distinguish 3 types of components:

- 1. The Trigger Device that triggers the actual event,
- 2. The Server and
- 3. The Device that is the end user application.

In the Overview chapter you will find a general overview of all provided API calls. Each of these API calls is documented in a chapter below. The documentation of each API call is based on a table format and is structured in the following way:

Title	<the api="" call="" name="" of="" the=""></the>		
URL	<the no="" only,="" path="" root="" structure="" url="" url.="" –=""></the>		
Header attributes	<header and="" attributes="" names="" values="" with=""></header>		
Method	<the -="" delete="" get="" post="" put="" request="" type="" =""></the>		
URL parameters	<url accordance="" exist,="" if="" in="" mentioned="" name="" parameters="" section="" specified="" url="" with=""></url>		
	<parameter <example="" <required="" name="Parameter" =""> data type> marker> </parameter>		
Data	<payload and="" are="" attributes="" color="" data="" for="" in="" lighter="" nodes="" optional="" post="" put="" requests="" types,="" with=""></payload>		
Success response	<http and="" are="" attribute="" attributes="" code="" color.="" contains="" data="" entity="" in="" lighter="" nodes="" object.="" optional="" response="" return="" the="" types,="" whole="" with=""></http>		
Error response	<pre><possible and="" are="" attributes="" codes="" color="" data="" http="" in="" lighter="" nodes="" optional="" refurn="" response="" types,="" with=""></possible></pre>		
Code example	<ajax ;-)="" and="" easier="" example="" life="" make="" more="" predictable="" to=""></ajax>		
Notes	<section all="" and="" commentary="" go.="" uncertainties="" where=""></section>		

Table 1 API call documentation template

In case one of the sections does not apply to a particular API call, the table cell value is none.

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API Specification 2

Note: The Server's root URL is https://api.interact.io/v2.

Prerequisites 2.1

The character set used for encoding response data and decoding request data is UTF-8.

General API Pattern 2.2

In general the following simple pattern is used in the API:

- Nouns are used as resource names.
- Verbs (http methods) are used to operate on entities.

CRUD (Create-Read-Update-Delete) operations are represented by the http methods PUT, GET, POST and DELETE. Entities are defined by integer IDs.

Resource	PUT create	GET read	POST update	DELETE delete
/v2/foos	Create new foo	List foos	Bulk update foos	Delete foos
/v2/foos/:id	ERROR	Show foo	If exists update foo, If not exists ERROR	
/v2/foos/:id/bars	Create new bars associated to foo	Show bars associated to foo	Associate all bars to foo and association replace former foo to	

Table 2 General API pattern

In addition there are some extended functions available. These functions are represented by a query parameter named cmd.

The API is able to respond to GET requests in "JSON with padding" format (JSONP). This function is represented by a query parameter named callback. See http://www.json-p.org/ for further informations.

2.3 Overview

API call	PUT	GET	POST	DELETE
/v2/activities		Х		
/v2/admin/companies	Х	Х		Х

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/v2/admin/companies/:id		Х		
/v2/admin/companies/:id/customFields		Х		
/v2/admin/companies/:id/groups		Х		
/v2/admin/customFields	Х			Х
/v2/admin/customFields/:id		Х	Х	
/v2/admin/groups	Х			Х
/v2/admin/groups/:id		Х	Х	Х
/v2/admin/users	Х	Х		Х
/v2/admin/users/:id		Х	Х	Х
/v2/admin/users/:id/groups			Х	
/v2/admin/users/:id/roles			Х	
/v2/basicInfos	Х			
/v2/basicInfos/:id			Х	
/v2/cleanup		Х		
/v2/contacts	Х	Х	Х	Х
/v2/contacts/:id		Х	Х	Х
/v2/contacts/:id/contacts		Х		
/v2/contacts/:id/deals		Х		
/v2/contacts/:id/interactions		Х		
/v2/contacts/:id/notes		Х		
/v2/contacts/:id/pictures		Х		
/v2/contacts/:id/profiles		Х		
/v2/contacts/:id/searchTerms		Х		
/v2/contacts/:id/tags		Х		
/v2/contacts/:id/tasks		Х		
/v2/deals	Х	Х		Х
/v2/deals/:id		Х	Х	Х



/v2/devices	X	X		
/v2/devices/:id			Х	Х
/v2/import			Х	
/v2/interactions	X	Х		
/v2/interactions/:id		Х	Х	
/v2/login			Х	
/v2/logout			Х	
/v2/myAccount			Х	
/v2/notes	X	Х		Х
/v2/notes/:id			Х	Х
/v2/pictures	X			Х
/v2/pictures/:id		Х	Х	Х
/v2/sync		Х		
/v2/tags		Х		
/v2/tasks	X	Х		Х
/v2/tasks/:id		Х	Х	Х
/v2/taskLists	Х	Х		
/v2/taskLists/:id		Х	Х	Х
/v2/triggerDevices	X	Х		

Table 3 API call overview



2.4 Push Notifications (Server → Device)

2.4.1 Push an Interaction Notification

Title	Notify Device about interaction
Data	<pre>{ "type" : <enum(call-incoming,call-outgoing,sms-incoming,sms-outgoing)>, "data" : <alphanumeric>, "match" : { "contactId" : <integer>, "contactType" : <alphanumeric>, "basicInfoId" : <integer> }, "tentatives" : [{ "contactId" : <integer>, "contactType" : <alphanumeric>, "contactType" : <alphanumeric>, "contactType" : <alphanumeric>, "basicInfoId" : <integer> } } interactionId" : <integer> } </integer></integer></alphanumeric></alphanumeric></alphanumeric></integer></integer></alphanumeric></integer></alphanumeric></enum(call-incoming,call-outgoing,sms-incoming,sms-outgoing)></pre>
Code example	<pre>var ws = new WebSocket("ws://"+window.location.host+"/interact- server/socket?deviceId=s243df35fd6g43&authToken=bTIgh4uUt5rj6T"); ws.onmessage = function(event) { console.log(event.data); };</pre>
Notes	This is actually not an API call but a push notification from the Server to the Device. To receive push notifications the Device must have established a websocket connection to the Server with the deviceld and a valid authToken as parameters. The attribute match is set only when data is associated to a known contact in the database. If match is not set, tentatives may be set. A tentative match may represent a contact. In this case all attributes of the tentative match will be set. If the tentative match represents a basicinfo not assigned to a contact, only the tentatives[i].basicInfold attribute will be set and the tentatives[i].contactName attribute will be set to "Unknown".

Table 4 Push interaction notification

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2.4.2 Push an Interaction Notification (via APN)

Title	Notify Apple Device about interaction
Data	<pre>{ "aps" : { "alert" : <alphanumeric> }, "data" : <alphanumeric>, "type" : <enum(call-incoming,call-outgoing,sms-incoming,sms-outgoing)> }</enum(call-incoming,call-outgoing,sms-incoming,sms-outgoing)></alphanumeric></alphanumeric></pre>
Notes	This is actually not an API call but a push notification from the Server to an Apple Device. To receive push notifications the Device must have enabled Apple Push Notifications.
	The alert message has the following form: " <incomning outgoing="" =""> <call chat="" email="" message="" sms="" =""> <from to="" =""> <contactname (phonenumber)="" phonenumber="" ="">"</contactname></from></call></incomning>

Table 5 Push interaction notification (via APN)

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2.4.3 Push a Synchronize Hint Message

Title	Notify Device that cloud synchronization should be performed
Data	<pre>{ "message" : "cloud synchronization recommended", "lastSyncTime" : <integer> }</integer></pre>
Code example	<pre>var ws = new WebSocket("ws://"+window.location.host+"/interact- server/socket?deviceId=s243df35fd6g43&authToken=bTIgh4uUt5rj6T"); ws.onmessage = function(event) { console.log(event.data); };</pre>
Notes	This is actually not an API call but a push notification from the Server to the Device. To receive push notifications the Device must have established a websocket connection to the Server with the deviceld and a valid authToken as parameters.
	When a Device establishes a websocket connection the Server checks for changes in the cloud DB occurred since the last time the Device was synchronized. If there were no changes, no push notification is sent at all. Otherwise the server sends the last determined sync time of the Device in the lastSyncTime attribute. This time is represented by the number of milliseconds since the standard base time known as "the epoch", namely January 1, 1970, 00:00:00 GMT. Then the device is supposed to {Synchronize Offline Data}.

Table 6 Push synchronization hint

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2.5 API Calls

2.5.1 Authentication

Authentication is required for all other API calls.

2.5.1.1 Login

Title	Login and authenticate for further API calls
URL	/v2/login
Header attributes	none
Method	POST
URL parameters	none
Data	<pre>{ "username" : <alphanumeric>, "password" : <alphanumeric>, "scope" : <enum(csr,device app,="" portal)="" trigger="" web=""> }</enum(csr,device></alphanumeric></alphanumeric></pre>
Success response	<pre>Code: 200 OK { "user" : { "id" : <integer>, "active" : true, "email" : <alphanumeric>, "companyId" : <integer>, "groups" :</integer></alphanumeric></integer></pre>
Error response	Code: 400 BAD REQUEST Code: 401 UNAUTHORIZED {"code" : <integer>, "error" : <integer>, "devmsg" : <alphanumeric>}</alphanumeric></integer></integer>
Code example	<pre>\$.ajax({ type : "POST", url : "/v2/login", dataType : "json", contentType : "application/json", data : JSON.stringify({ "username" : "test@interact.io",</pre>

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```
"password": "iwonttellyou",
    "scope": "device app"
}),
success: function(data) {
    console.log(data);
},
error: function(data) {
    console.log(data);
}
});

Notes

The authToken returned can be used for further API calls and must be passed in the header attribute of the request. The expires field indicates the time when this token will be invalidated. This time is represented by the number of milliseconds since the standard base time known as "the epoch", namely January 1, 1970, 00:00:00 GMT.
Note that the token will be renewed with every API call.
```

Table 7 Login

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2.5.1.2 Logout

T111		
Title	Logout and invalidate the authentication token	
URL	/v2/logout	
Header attributes	none	
Method	POST	
URL parameters	none	
Data	{ "authToken" : <alphanumeric> }</alphanumeric>	
Success	Code: 200 OK	
response	{"code" : 200, "devmsg" : "success"}	
Error response	Code: 400 BAD REQUEST	
	{"code" : <integer>, "error" : <integer>, "devmsg" : <alphanumeric>}</alphanumeric></integer></integer>	
Code example	<pre>\$.ajax({ type : "POST", url : "/v2/logout", dataType : "json", contentType : "application/json", data : JSON.stringify({ "authToken" : "gfUH43trfdkjg34" }), success : function(data) { console.log(data); }, error : function(data) { console.log(data); } });</pre>	
Notes	none	

Table 8 Logout

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2.5.2 Trigger Device → Server

2.5.2.1 Trigger an Event

Title	Trigger an interaction event			
URL	/v2/interactions			
Header attributes	Attribute	Required?	Example	
dillibules	triggerToken	yes	triggerToken=fSDAF8439fdsRdsfG5dfTf	
Method	PUT			
URL parameters	none			
Data	<pre>"externalSystem" :</pre>	<pre>"data" : <alphanumeric>, "externalSystem" :</alphanumeric></pre>		
Success response	Code: 201 CREATED			
Error response	<pre>{"code" : 201, "entity" : <interaction>, "devmsg" : "success"} Code: 401 UNAUTHORIZED Code: 400 BAD REQUEST {"code" : <integer>, "error" : <integer>, "devmsg" : <alphanumeric>}</alphanumeric></integer></integer></interaction></pre>			
Code example	<pre>\$.ajax({ type : "PUT", url : "/v2/interactions", headers : {triggerToken : "fSDAF8439fdsRdsfG5dfTf"}, dataType : "json", contentType : "application/json", data : JSON.stringify({ "type" : "call-incoming", "data" : "555-12345", "receiverId" : "john.doe@interact.io", }), success : function(data) { console.log(data); }, error : function(data) { console.log(data); } });</pre>			
Notes	The given triggerToken must be a valid token retrieved by " Register a Trigger Device", otherwise the error response will be sent. If the owner of the Trigger Device has registered another Device which is connected to the Server, this second Device will receive a notification about the trigger event. (see "Push an Interaction Notification")			

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If the externalSystem entity is given at least one of externalSystem.threadId or externalSystem.entityId must be given. While the threadId is meant to reference the interaction parent (e.g. the im-conversation id) the entityId is meant to reference the concrete interaction message (e.g. im-message id) inside that parent.

The *time* attribute defines when the event occurred. It is represented by the number of milliseconds since the standard base time known as "the epoch", namely January 1, 1970, 00:00:00 GMT.

Table 9 Trigger event



2.5.2.2 Register a Trigger Device

Title	Register a new trigger device for interactions.				
URL	/v2/triggerDevices				
Header attributes	Attribute	Required?	Example		
dillipoles	authToken	Yes	authToken=gfUH43trfdkjg34		
Method	PUT				
URL Parameters	none				
Data	{ "deviceId" : <alphanumeric> }</alphanumeric>				
Success	Code: 201 CREATED				
response	{"code" : 201, "entity" : <trig< td=""><td colspan="4">{"code" : 201, "entity" : <trigger-device>, "devmsg" : "success"}</trigger-device></td></trig<>	{"code" : 201, "entity" : <trigger-device>, "devmsg" : "success"}</trigger-device>			
Error response	Code: 400 BAD REQUEST Code: 401 UNAUTHORIZED Code: 403 FORBIDDEN {"code" : <integer>, "error" : <integer>, "devmsg" : <alphanumeric>}</alphanumeric></integer></integer>				
Code example	<pre>\$.ajax({ type : "PUT", url : "/v2/triggerDevices", headers : {authToken : "gfUH43trfdkjg34"}, dataType : "json", contentType : "application/json", data : JSON.stringify({ "deviceId" : "2155341-13582-5-38" }), success : function(data) { console.log(data); }, error : function(data) { console.log(data); } });</pre>				
Notes	The deviceId should be the IMEI of the Trigger Device. The most important attribute of the returned trigger-device entity is the triggerToken attribute. This token represents a permanent token which allows the Trigger Device to sending notifications to the Server. See "Trigger an Event".				

Table 10 Register a trigger device

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2.5.2.3 Read a Trigger Token

2.5.2.3 Reda (5.2.3 Read a Trigger Token				
Title	Read the trigger token for a registered trigger Device.				
URL	/v2/triggerDevices?deviceId=:id				
Header attributes	Attribute	Required?	Example		
dillibules	authToken	Yes	authToken=gfUH43trfdkjg34		
Method	GET				
URL	Attribute	Required?	Example		
Parameters	id : <alphanumeric></alphanumeric>	Yes	deviceId=353092051071645		
Data	None				
Success	Code: 200 OK				
response	{"triggerToken" : <alphanumeric>}</alphanumeric>				
Error response	Code: 400 BAD REQUEST	Code: 400 BAD REQUEST			
	Code: 401 UNAUTHORIZED				
	Code: 403 FORBIDDEN				
	{"code" : <integer>, "error" : <integer>, "devmsg" : <alphanumeric>}</alphanumeric></integer></integer>				
Code example	<pre>\$.ajax({ type : "GET", url : "/v2/triggerDevices?deviceId=353092051071645", headers : {authToken : "gfUH43trfdkjg34"}, dataType : "json", contentType : "application/json", success : function(data) { console.log(data); }, error : function(data) { console.log(data); } } </pre>				
Notes	The deviceId must be the id given when the trigger device was registerted, e.g. the IMEI of the mobile phone.				

Table 11 Read the Trigger Token of a Trigger Device

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2.5.3 Device (Web Portal, CSR resp.) \rightarrow Server

2.5.3.1 Basic CRUD functions

Basic CRUD functions are represented by the http methods PUT, GET, POST and DELETE.

2.5.3.1.1 Read a List of Activities

Title	Retrieve a list of activities			
URL	/v2/activities?offset=:offset&limit=:limit&callback=:callback			
Header attributes	Attribute	Required?	Example	
diffibules	authToken	yes	authToken=gfUH43trfdkjg34	
Method	GET			
URL parameters	Parameter	Required?	Example	
purumerers	offset : <integer> limit : <integer> callback : <string></string></integer></integer>	no no no	<pre>?offset=5 &limit=25 &callback=jsonpcallback</pre>	
Data	none			
Success response	<pre>Code: 200 OK { "totalLength" : <integer>, "length" : <integer>, "startIndex" : <integer>, "data": { "action" : enum(insert, update, delete), "entity" :</integer></integer></integer></pre>			
Error response	Code: 401 UNAUTHORIZED			
Code example	<pre>{"code" : 401, "error" : <integer>, "devmsg" : <alphanumeric>} \$.ajax({ type : "GET", url : "/v2/activities", headers : {authToken : "gfUH43trfdkjg34"}, dataType : "json", success : function(data) {</alphanumeric></integer></pre>			

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```
console.log(data);
                     error : function(data) {
                      console.log(data);
                   });
Notes
                  The time attribute holds the date when the activity was saved in the db. This date is
                  represented by the number of milliseconds since the standard base time known as
                  "the epoch", namely January 1, 1970, 00:00:00 GMT.
                  According to the value of the entityType attribute the attributes entity.oldState and
                  entity.newState will differ. E.g. if entityType is 'note' the state attributes will hold note
                  objects.
                  If action is 'delete' the entity.newState attribute will not be set. On the other hand if
                  action is 'insert' the entity.oldState attribute will not be set.
                  The relatedTo attribute represents the user who performed the action.
                  offset and limit parameters are used for pagination. If at least one of them is
                  provided, the response will contain the start index and the according length.
```

Table 12 Activities list request

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2.5.3.1.2 Create Person Contact

Title	Create given person contact				
URL	/v2/contacts				
Header attributes	Attribute	Required?	Example		
	authToken	yes	authToken=gfUH43trfdkjg34		
Method	PUT				
URL parameters	none				
Data	<pre>{ "contactType" : "pers "title" : <alphanume" "lastname"="" :="" <alphanume<="" th=""><th>ic>, meric>, umeric>, numeric>, numeric>, >, numeric>, >, numeric>, ail,fax,mobile (home,work,oth lphanumeric>, umeric>, lean> <alphanumeric>, alphanumeric>, alphanumeric>, meric>, alphanumeric>, meric>, alphanumeric>, alphanumeric>,</alphanumeric></th><th></th></alphanume"></pre>	ic>, meric>, umeric>, numeric>, numeric>, >, numeric>, >, numeric>, ail,fax,mobile (home,work,oth lphanumeric>, umeric>, lean> <alphanumeric>, alphanumeric>, alphanumeric>, meric>, alphanumeric>, meric>, alphanumeric>, alphanumeric>,</alphanumeric>			

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```
"connected" : <boolean>,
"username" : <alphanumeric>,
                                "url" : <alphanumeric>
                            "iabber" :
                                "connected" : <boolean>,
"username" : <alphanumeric>,
                                "url" : <alphanumeric>
                            "linkedIn" :
                                "connected" : <boolean>,
"username" : <alphanumeric>,
                                "url" : <alphanumeric>
                            "skype" :
                                "connected" : <boolean>,
"username" : <alphanumeric>,
                                "url" : <alphanumeric>
                            "twitter" :
                                "connected" : <boolean>,
"username" : <alphanumeric>,
                                "url" : <alphanumeric>
                            "xing":
                               "connected" : <boolean>,
"username" : <alphanumeric>,
                                "url" : <alphanumeric>
Success
                      Code: 201 CREATED
response
                      {"code" : 201, "entity" : <contact>, "devmsg" : "success"}
                      Code: 400 BAD REQUEST
Error response
                      Code: 401 UNAUTHORIZED
                      Code: 403 FORBIDDEN
                      {"code" : <integer>, "error" : <integer>, "devmsg" : <alphanumeric>}
Code example
                      $.ajax({
                        data : JSON.stringify({
                          "firstName" : "John",
"contactType" : "person",
"basicInfos" : [{
                               "id" : 498,
"type" : "phone",
"value" : "02332667998"
                           },{
                               "type" : "fax",
"value" : "023326670"
                           },{
                               "type" : "website",
                               "identifier" : "instagram",
                                "value" : "http://instagram.com/instagram"
                          }],
                        }),
                        success : function(data) {
                          console.log(data);
                        error : function(data) {
                          console.log(data);
```

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	} });
Notes	At least the lastName or firstName attribute has to be set.

Table 13 Person creation



2.5.3.1.3 **Create Organization Contact**

```
Title
                                Create given organization contact
URL
                                /v2/contacts
Header
                                Attribute
                                                                         Required?
                                                                                                  Example
attributes
                                authToken
                                                                                                  authToken=qfUH43trfdkjq34
                                                                         yes
Method
                                PUT
URL
                                none
parameters
Data
                                   "contactType" : "organization",
                                   "organizationName" : <alphanumeric>,
                                   "business" : <alphanumeric>,
"hot" : <boolean>,
                                   "basicInfos" :
                                      [{
    "id" : <integer>,
                                         "type" : <enum(email,fax,mobile,phone,website)>,
"subtype" : <enum(home,work,other)>,
"identifier" : <alphanumeric>,
"value" : <alphanumeric>,
"excluded" : <boolean>
                                   "addresses" :
                                     addresses" :
[{
    "id" : <integer>,
    "addressLinel" : <alphanumeric>,
    "addressLine2" : <alphanumeric>,
    "addressLine3" : <alphanumeric>,
    "addressType" : <alphanumeric>,
    "postCode" : <alphanumeric>,
    "city" : <alphanumeric>,
    "country" : <alphanumeric>
                                   "relatedTo" : [<integer>],
                                   "tags" : [<alphanumeric>],
"searchTerms" : [<alphanumeric>],
"profiles" :
                                      {
"facebook" :
                                            "connected" : <boolean>,
"username" : <alphanumeric>,
                                             "url" : <alphanumeric>
                                            "connected" : <boolean>,
"username" : <alphanumeric>,
                                             "url" : <alphanumeric>
                                       "gplus" :
                                             "connected" : <boolean>,
"username" : <alphanumeric>,
                                             "url" : <alphanumeric>
                                       "gtalk" :
                                             "connected" : <boolean>,
"username" : <alphanumeric>,
                                             "url" : <alphanumeric>
                                       "icq" :
                                            "connected" : <boolean>,
"username" : <alphanumeric>,
                                             "url" : <alphanumeric>
                                       "jabber" :
```

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```
"connected" : <boolean>,
"username" : <alphanumeric>,
                                       "url" : <alphanumeric>
                                 "linkedIn" :
                                       "connected" : <boolean>,
"username" : <alphanumeric>,
                                       "url" : <alphanumeric>
                                 "skype" :
                                      "connected" : <boolean>,
"username" : <alphanumeric>,
                                       "url" : <alphanumeric>
                                 "twitter" :
                                      "connected" : <boolean>,
"username" : <alphanumeric>,
                                      "url" : <alphanumeric>
                                 "xing" :
                                      "connected" : <boolean>,
"username" : <alphanumeric>,
                                      "url" : <alphanumeric>
                           }
Success
                           Code: 201 CREATED
response
                           {"code" : 201, "entity" : <contact>, "devmsg" : "success"}
Error response
                           Code: 400 BAD REQUEST
                           Code: 401 UNAUTHORIZED
                           Code: 403 FORBIDDEN
                             \{ \texttt{"code"} \; : \; \texttt{<integer>, "error"} \; : \; \texttt{<integer>, "devmsg"} \; : \; \texttt{<alphanumeric>} \} 
Code example
                           $.ajax({
                             .ajax({
  type : "PUT",
  url : "/v2/contacts",
  headers : { authToken : "gfUH43trfdkjg34" },
  dataType : "json",
  contentType : "application/json",
                              data : JSON.stringify({
   "organizationName" : "xaimed",
                                "contactType": "organization",
"basicInfos": [{
    "id": 498,
    "type": "phone",
    "value": "02332667998"
                                      "type" : "fax",
"value" : "023326670"
                                }],
                              }),
                              success : function(data) {
                                console.log(data);
                              error : function(data) {
                                console.log(data);
                           });
Notes
                           At least organizationName attribute has to be set.
```

Table 14 Organization creation

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2.5.3.1.4 Read a List of Contacts

Title	Retrieve a list of contacts				
Tille	Remeve a list of cornacts				
URL	/v2/contacts?projecti	/v2/contacts?projection=:proj&offset=:offset&limit=:limit&callback=:callback			
Header attributes	Attribute Required? Example				
	authToken	yes	authToken=gfUH	43trfdkjg34	
Method	GET				
URL	Parameter		Required?	Example	
parameters	<pre>proj : <enum(thin,base, :="" <integer="" offset=""> limit : <integer> callback : <string></string></integer></enum(thin,base,></pre>	flat)>	no no no	?projection=thin &offset=5 &limit=25 &callback=jsonpcallback	
Data	none				
Success response	<pre>Code: 200 OK { "data" : [<contact>], "length" : <integer>, "startIndex" : <integer>, "totalLength" : <integer> }</integer></integer></integer></contact></pre>				
Error response	Code: 400 BAD REQUEST Code: 401 UNAUTHORIZED Code: 403 FORBIDDEN {"code" : <integer>, "error" : <integer>, "devmsg" : <alphanumeric>}</alphanumeric></integer></integer>				
Code example	<pre>\$.ajax({ type : "GET", url : "/v2/contacts?offset=5&limit=10", headers : { authToken : "gfUH43trfdkjg34" }, dataType : "json", success : function(data) { console.log(data); }, error : function(data) { console.log(data); } });</pre>				
Notes	offset and limit parameters are used for pagination. If both are specified, the response will contain according length and startIndex attributes as well as an additional totalLength attribute to indicate whether there are more contacts available. If projection is not specified the default is base. If projection is thin, the extra attribute of the contact objects contains the organization name if contactType is person and the person contact is member of EXACTLY one organization. It contains the number of organizations if contactType is person and the person contact is member of MORE THAN one organizations. Vice				

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versa, it contains the person name if contactType is organization and the organization contact has EXACTLY one person contact assigned to it – or contains the number of person contacts if contactType is organization and the organization has MORE THAN one person contacts assigned to it. The attribute is not defined or empty if neither of the conditions above matches.

If projection is base, the contact objects are returned as described in

Read a Person Contact, Read an Organization Contact resp.

Otherwise, if projection is flat the return data is very similar to projection base but more flatten.

Table 15 Contact list request

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2.5.3.1.5 Read a List of Contacts Associated with a Contact

Title	Retrieve a list of contacts related to a particular contact			
URL	/v2/contacts/:id/contacts?projection=:proj&callback=:callback			
Header attributes	Attribute	Required?	Example	
attributes	authToken	yes	authToken=gfUH	43trfdkjg34
Method	GET			
URL	Parameter		Required?	Example
parameters	<pre>id : <integer> proj : <enum(thin,base :="" <string="" callback=""></enum(thin,base></integer></pre>	flat)>	yes no no	/23/ ?projection=thin &callback=jsonpcallback
Data	none			
Success	Code: 200 OK			
response	{ "data" : [<contact>] }</contact>			
Error response	Code: 400 BAD REQUEST Code: 401 UNAUTHORIZED Code: 403 FORBIDDEN {"code" : <integer>, "error" : <integer>, "devmsg" : <alphanumeric>}</alphanumeric></integer></integer>			
Code example	<pre>\$.ajax({ type : "GET", url : "/v2/contacts/23/contacts?projection=thin", headers : {authToken : "gfUH43trfdkjg34"}, dataType : "json", success : function(data) { console.log(data); }, error : function(data) { console.log(data); } });</pre>			
Notes	If projection is thin, the organization name if a EXACTLY one organization person and the person versa, it contains the porganization contact	If projection is not specified the default is base. If projection is thin, the extra attribute of the contact objects contains the organization name if contactType is person and the person contact is member of EXACTLY one organization. It contains the number of organizations if contactType is person and the person contact is member of MORE THAN one organizations. Vice versa, it contains the person name if contactType is organization and the organization contact has EXACTLY one person contact assigned to it – or contains the number of person contacts if contactType is organization and the organization		

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has MORE THAN one person contacts assigned to it. The attribute is not defined or empty if neither of the conditions above matches.

If projection is base, the contact objects are returned as described in

Read a Person Contact, Read an Organization Contact resp.

Otherwise, if prejection is flat the return data is very similar to prejection be

Otherwise, if projection is *flat* the return data is very similar to projection base but more flatten.

Table 16 Contacts list request - associated with another contact



2.5.3.1.6 Read a Person Contact

Title	Retrieve detail information of a person contact			
URL	/v2/contacts/:id?projection=:proj&callback=:callback			
Header attributes	Attribute	Required?	Example	
aiiibules	authToken	yes	authToken=gfUH	43trfdkjg34
Method	GET			
URL	Parameter		Required?	Example
parameters	<pre>id : <integer> proj : <enum(thin,base,flat)> callback : <string></string></enum(thin,base,flat)></integer></pre>		yes no no	/47 ?projection=base &callback=jsonpcallback
Success	<u> </u>			
response	<pre>{ "id" : <integer>, "version" : <integer> "contactType" : "pers "title" : <alphanume" :="" <alpha<="" <alphame="" <alphame"="" th=""><th colspan="3"><pre>"id" : <integer>, "version" : <integer>, "contactType" : "person", "title" : <alphanumerio>, "lastName" : <alphanumerio>, "middleName" : <alphanumerio>, "middleName" : <alphanumerio>, "gender" : <enum(m,f)>, "hot" : <boolean>, "basicInfos" :</boolean></enum(m,f)></alphanumerio></alphanumerio></alphanumerio></alphanumerio></integer></integer></pre></th></alphanume"></integer></integer></pre>	<pre>"id" : <integer>, "version" : <integer>, "contactType" : "person", "title" : <alphanumerio>, "lastName" : <alphanumerio>, "middleName" : <alphanumerio>, "middleName" : <alphanumerio>, "gender" : <enum(m,f)>, "hot" : <boolean>, "basicInfos" :</boolean></enum(m,f)></alphanumerio></alphanumerio></alphanumerio></alphanumerio></integer></integer></pre>		

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```
"connected" : <boolean>,
                                   "username" : <alphanumeric>,
                                   "url" : <alphanumeric>
                                  "connected" : <boolean>,
"username" : <alphanumeric>,
                                   "url" : <alphanumeric>
                              "gplus" :
                                   "connected" : <boolean>,
"username" : <alphanumeric>,
                                   "url" : <alphanumeric>
                              "gtalk" :
                                  "connected" : <boolean>,
"username" : <alphanumeric>,
                                   "url" : <alphanumeric>
                              "icq" :
                                  "connected" : <boolean>,
"username" : <alphanumeric>,
                                   "url" : <alphanumeric>
                              "jabber" :
                                   "connected" : <boolean>,
"username" : <alphanumeric>,
                                   "url" : <alphanumeric>
                              "linkedIn" :
                                   "connected" : <boolean>,
"username" : <alphanumeric>,
                                   "url" : <alphanumeric>
                              "skype" :
                                   "connected" : <boolean>,
"username" : <alphanumeric>,
                                   "url" : <alphanumeric>
                              "twitter":
                                  "connected" : <boolean>,
"username" : <alphanumeric>,
                                   "url" : <alphanumeric>
                              "xing" :
                                  "connected" : <boolean>,
"username" : <alphanumeric>,
                                   "url" : <alphanumeric>
Error response
                         Code: 400 BAD REQUEST
                         Code: 401 UNAUTHORIZED
                         Code: 403 FORBIDDEN
                         {"code" : <integer>, "error" : <integer>, "devmsg" : <alphanumeric>}
Code example
                         $.ajax({
                           ajax({
type: "GET",
url: "/v2/contacts/47",
headers: {authToken: "gfUH43trfdkjg34"},
dataType: "json",
                           success : function(data) {
                             console.log(data);
```

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	<pre>error : function(data) { console.log(data); } </pre>	
Notes	The attributes deals, notes, tasks, interactions and relatedTo contain commaseparated lists of ids. At least the lastName or firstName attribute will be set.	
	The structure for attribute <i>picture</i> depends on the value of the <i>projection</i> http query parameter:	
	 base: "pictures" : [{"type" : <alphanumeric>, "url" : <alphanumeric>}]</alphanumeric></alphanumeric> flat: "pictures" : [<alphanumeric>]</alphanumeric> thin: "picture" : <alphanumeric></alphanumeric> 	
	When projection thin is used, the picture attribute holds the default picture only.	

Table 17 Preson contact request

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2.5.3.1.7 Read an Organization Contact

Title	Retrieve detail information of an organization contact			
URL	/v2/contacts/:id?projection=:proj&callback=:callback			
Header attributes	Attribute	Required?	Example	
	authToken	yes	authToken=gfUH43trfdkjg34	
Method	GET			
URL parameters	Parameter	Required?	Example	
	<pre>id : <integer> proj : <enum(thin,base,flat)> callback : <string></string></enum(thin,base,flat)></integer></pre>	yes no no	/22 ?projection=base &callback=jsonpcallback	
Data	none			
Success response	Code: 200 OK			
	<pre>{ "id" : <integer>, "version" : <integer>, "contactType" : "organization", "organizationName" : <alphanumeric>, "butsiness" : <alphanumeric>, "butsiness" : <alphanumeric>, "butsiness" : <alphanumeric>, "butsiness" : <alphanumeric>, "type" : <enum(email,fax,mobile,phone,website)>, "subtype" : <enum(home,work,other)>, "identifier" : <alphanumeric>, "value" : <alphanumeric>, "excluded" : <boolean> "], "addresses" : [{ "id" : <integer>, "addressLinel" : <alphanumeric>, "country" : <alphanumeric>, "country" : <alphanumeric>, "country" : <alphanumeric>, "country" : <alphanumeric>, "tasks" : (<integer>), "tasks" : (<integer>), "tasks" : (<integer>), "tasks" : (<integer>), "trelatedTo" : [<integer>], "relatedTo" : [<integer>], "ripe" : <alphanumeric>, "url" : <alphanumeric>, "url" : <alphanumeric>, "facebook" : { "connected" : <boolean>, "useranhTerms" : (<alphanumeric>, "useranme" : <alphanumeric>, "useranmeric : <alphanumeric>, "useranmeric : <alphanumeric :="" :<="" <alphanumeric="" th=""></alphanumeric></alphanumeric></alphanumeric></alphanumeric></alphanumeric></alphanumeric></alphanumeric></alphanumeric></alphanumeric></alphanumeric></alphanumeric></alphanumeric></alphanumeric></alphanumeric></alphanumeric></alphanumeric></alphanumeric></alphanumeric></alphanumeric></boolean></alphanumeric></alphanumeric></alphanumeric></integer></integer></integer></integer></integer></integer></alphanumeric></alphanumeric></alphanumeric></alphanumeric></alphanumeric></alphanumeric></alphanumeric></alphanumeric></alphanumeric></integer></boolean></alphanumeric></alphanumeric></enum(home,work,other)></enum(email,fax,mobile,phone,website)></alphanumeric></alphanumeric></alphanumeric></alphanumeric></alphanumeric></integer></integer></pre>			

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```
},
"aim" :
                                        "connected" : <boolean>,
"username" : <alphanumeric>,
                                         "url" : <alphanumeric>
                                    "gplus" :
                                         "connected" : <boolean>,
"username" : <alphanumeric>,
"url" : <alphanumeric>
                                   "gtalk" :
                                         "connected" : <boolean>,
"username" : <alphanumeric>,
"url" : <alphanumeric>
                                   "icq":
                                         "connected" : <boolean>,
"username" : <alphanumeric>,
"url" : <alphanumeric>
                                   "jabber" :
                                         "connected" : <boolean>,
"username" : <alphanumeric>,
                                          "url" : <alphanumeric>
                                   "linkedIn" :
                                         "connected" : <boolean>,
"username" : <alphanumeric>,
"url" : <alphanumeric>
                                   "skype" :
                                         "connected" : <boolean>,
"username" : <alphanumeric>,
                                          "url" : <alphanumeric>
                                   "twitter":
                                         "connected" : <boolean>,
"username" : <alphanumeric>,
                                          "url" : <alphanumeric>
                                   "xing" :
                                         "connected" : <boolean>,
"username" : <alphanumeric>,
                                         "url" : <alphanumeric>
                             }
Error response
                             Code: 400 BAD REQUEST
                             Code: 401 UNAUTHORIZED
                             Code: 403 FORBIDDEN
                              \{"code" : <integer>, "error" : <integer>, "devmsg" : <alphanumeric>\}
Code example
                             $.ajax({
                               .ajax({
  type : "GET",
  url : "/v2/contacts/22",
  headers : {authToken : "gfUH43trfdkjg34"},
  dataType : "json",
  success : function(data) {
                                  console.log(data);
                                error : function(data) {
                                  console.log(data);
```

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Notes	The attributes deals, notes, tasks, interactions and relatedTo contain commaseparated lists of ids.	
	The structure for attribute picture depends on the value of the projection http query parameter:	
	base: "pictures" : [{"type" : <alphanumeric>, "url" : <alphanumeric>}]</alphanumeric></alphanumeric>	
	• flat: "pictures" : [<alphanumeric>]</alphanumeric>	
	thin: "picture" : <alphanumeric></alphanumeric>	
	When projection thin is used, the picture attribute holds the first picture only.	

Table 18 Organization request

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2.5.3.1.8 Update a Person Contact

Title	Update a particular person contact			
URL	/v2/contacts/:id	/v2/contacts/:id		
Header attributes	Attribute	Required?	Example	
	authToken	Yes	authToken=gfUH43trfdkjg34	
Method	POST			
URL parameters	Parameter	Required?	Example	
parameters	id : <integer></integer>	yes	/285	
Data	authToken Yes authToken=gfUH43trfdkjg34 POST Parameter Required? Example			

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```
"icq" :
                                           "connected" : <boolean>,
"username" : <alphanumeric>,
                                           "url" : <alphanumeric>
                                      "jabber" :
                                           "connected" : <boolean>,
"username" : <alphanumeric>,
                                           "url" : <alphanumeric>
                                     "linkedIn" :
                                           "connected" : <boolean>,
"username" : <alphanumeric>,
                                           "url" : <alphanumeric>
                                     "skype":
                                           "connected" : <boolean>,
"username" : <alphanumeric>,
                                           "url" : <alphanumeric>
                                     "twitter":
                                           "connected" : <boolean>,
"username" : <alphanumeric>,
                                           "url" : <alphanumeric>
                                     "xing" :
                                           "connected" : <boolean>,
"username" : <alphanumeric>,
                                           "url" : <alphanumeric>
Success
                            Code: 200 OK
response
                             \label{eq:code} \{\texttt{"code"} \; : \; 200\,, \; \texttt{"entity"} \; : \; \texttt{<contact>}\,, \; \texttt{"devmsg"} \; : \; \texttt{"success"}\}
Error response
                            Code: 400 BAD REQUEST
                            Code: 401 UNAUTHORIZED
                            Code: 403 FORBIDDEN
                            Code: 409 CONFLICT
                              \{ \texttt{"code"} \; : \; \texttt{<integer>, "error"} \; : \; \texttt{<integer>, "devmsg"} \; : \; \texttt{<alphanumeric>} \} 
Code example
                            $.ajax({
                               type: "POST",
url: "/v2/contacts/285",
                               headers : {authToken : "gfUH43trfdkjg34"},
dataType : "json",
contentType : "application/json",
                               data : JSON.stringify({
                                  "version" : 12,
"firstName" : "Remo",
"basicInfos" : [{
                                     rid": 46,
"type": "mobile",
"value": "+4917134455667"
                                  },{
  "type" : "phone",
  "value" : "033056434239"
                                     "type" : "website"
"value" : "http://instagram.com/instagram",
"identifier" : "instagram"
                                  } ]
                               }),
                               success : function(data) {
                                  console.log(data);
```

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	<pre>}, error : function(data) { console.log(data); } });</pre>
Notes	Attribute values of basicInfo.type and basicInfo.value must not be empty (and thus are not allowed to be deleted).
	Updating firstName and lastName to an empty string is also not allowed.
	In the case of a version conflict the error response is a 409 Conflict with the devmsg "version conflict".

Table 19 Person update

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Update an Organization Contact 2.5.3.1.9

Title	Update a particular organiz	Update a particular organization contact		
URL	/v2/contacts/:id	/v2/contacts/:id		
Header	Attribute	Required?	Example	
attributes	authToken	yes	authToken=gfUH43trfdkjg34	
Method	POST	<u> </u>		
URL	Parameter	Required?	Example	
parameters	id : <integer></integer>	yes	/1243	
Data	<pre>{ "version" : <integer>, "name" : <alphanumeric>, "business" : <alphanumeric "hot"="" :="" <boolean="">, "basicInfos" : [{ "id" : <integer>, "type" : <enum(email,four "excluded"="" "identifier"="" :="" <alphanumeric="" <boolean="" <enum(home="" subtype"=""> }], "addresses" : [{ "id" : <integer>, "addressLine1" : <alphanumeric "excluded"="" :="" <boolean=""> }], "addressLine2" : <alphanumeric "country"="" :="" <alphanumeric="">], "searchTerms" : [<alphanumeric>], "searchTerms" : [<alphanumeric>], "searchTerms" : [<alphanumeric>], "aim" : { "connected" : <boo "connected"="" "country"="" "username"="" :="" <alphanumeric="" <bo<="" <boo="" th=""><th>ax, mobile, phone, we, work, other) >, umeric >, c >, anumeric >, anumeric >, anumeric >, eric > lean >, anumeric >, ric ></th><th></th></boo></alphanumeric></alphanumeric></alphanumeric></alphanumeric></alphanumeric></integer></enum(email,four></integer></alphanumeric></alphanumeric></integer></pre>	ax, mobile, phone, we, work, other) >, umeric >, c >, anumeric >, anumeric >, anumeric >, eric > lean >, anumeric >, ric >		

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```
"username" : <alphanumeric>,
"url" : <alphanumeric>
                                "jabber" :
                                     "connected" : <boolean>,
"username" : <alphanumeric>,
                                     "url" : <alphanumeric>
                                "linkedIn" :
                                     "connected" : <boolean>,
"username" : <alphanumeric>,
                                     "url" : <alphanumeric>
                                "skype" :
                                     "connected" : <boolean>,
                                     "username" : <alphanumeric>,
                                     "url" : <alphanumeric>
                                "twitter" :
                                     "connected" : <boolean>,
"username" : <alphanumeric>,
"url" : <alphanumeric>
                                  }
Success
                        Code: 200 OK
response
                        {"code" : 200, "entity" : <contact>, "devmsg" : "success"}
Error response
                        Code: 400 BAD REQUEST
                        Code: 401 UNAUTHORIZED
                        Code: 403 FORBIDDEN
                        Code: 409 CONFLICT
                        \{"code" : <integer>, "error" : <integer>, "devmsg" : <alphanumeric>\}
Code example
                        $.ajax({
                          type: "POST",
url: /v2/contacts/1243 ",
                          url : /v2/contacts/1243 ",
headers : {authToken : "gfUH43trfdkjg34"},
dataType : "json",
contentType : "application/json",
data : JSON.stringify({
    "version" : 21,
    "name" : "TU Berlin",
    ""
                             "basicInfos" : [{
                               "id" : 189,
"type" : " phone",
"value" : "0303140"
                             } ]
                          }),
                          success : function(data) {
                            console.log(data);
                          error : function(data) {
                             console.log(data);
                        });
                        Attribute values of basicInfo.type and basicInfo.value must not be empty (and thus
Notes
                        are not allowed to be deleted).
```

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Updating organizationName to an empty string is also not allowed.

In the case that of a version conflict the error response is a 409 Conflict with the devmsg "version conflict".

Table 20 Organization update



2.5.3.1.10 Delete Contacts

Title	Delete contacts with the given ids			
URL	/v2/contacts?ids=:ids			
Header attributes	Attribute	Required?	Example	
dillipoles	authToken	yes	authToken=gfUH43trfdkjg34	
Method	DELETE			
URL parameters	Parameter	Required?	Example	
parameters	ids : [<integer>]</integer>	Yes	ids=1,3,45,6	
Data	none			
Success	Code: 200 OK			
response	{"code" : 204, "devmsg" : "success"}			
Error response	Code: 400 BAD REQUEST			
	Code: 401 UNAUTHORIZED Code: 403 FORBIDDEN			
		: <integer>, "d</integer>	devmsg" : <alphanumeric>}</alphanumeric>	
Code example	<pre>{"code" : <integer>, "error" : <integer>, "devmsg" : <alphanumeric>} \$.ajax({ type : "DELETE", url : "/v2/contacts?ids=1,3,45,6", headers : {authToken : "gfUH43trfdkjg34"}, dataType : "json", success : function(data) { console.log(data); }, error : function(data) { console.log(data); } });</alphanumeric></integer></integer></pre>			
Notes	none			

Table 21 Contact(s) deletion

interact.io Scrum Team V2.0



2.5.3.1.11 Delete a Contact

Title	Delete a particular person or organization contact			
URL	/v2/contacts/:id			
Header attributes	Attribute	Required?	Example	
dilibules	authToken	yes	authToken=gfUH43trfdkjg34	
Method	DELETE			
URL parameters	Parameter	Required?	Example	
parameters	id : <integer></integer>	yes	/12	
Data	none			
Success	Code: 200 OK			
response	{"code" : 204, "devmsg" : "success"}			
Error response	Code: 400 BAD REQUEST			
	Code: 401 UNAUTHORIZED Code: 403 FORBIDDEN			
		: <integer>, "d</integer>	levmsg" : <alphanumeric>}</alphanumeric>	
Code example	<pre>{"code" : <integer>, "error" : <integer>, "devmsg" : <alphanumeric>} \$.ajax({ type : "DELETE", url : "/v2/contacts/12", headers : {authToken : "gfUH43trfdkjg34"}, dataType : "json", success : function(data) { console.log(data); }, error : function(data) { console.log(data); } });</alphanumeric></integer></integer></pre>			
Notes	none			

Table 22 Contact deletion

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2.5.3.1.12 Upload a contact picture

Title	Provides uploading pictures for contacts		
URL	/v2/pictures		
Header attributes	Attribute	Required?	Example
	authToken	yes	authToken=gfUH43trfdkjg34
Method	PUT		
URL parameters	none		
Data	<pre>{ "contactId" : <integer>, "base64" : <base64string>, "isDefault" : <boolean> }</boolean></base64string></integer></pre>		
Success	Code: 200 OK		
response	{"code" : 201, "devmsg" : "suo	ccess", "entity	r" : <picture>}</picture>
Error response	Code: 400 BAD REQUEST		
	Code: 401 UNAUTHORIZED Code: 403 FORBIDDEN		
	{"code" : <integer>, "error" : <integer>, "devmsg" : <alphanumeric>}</alphanumeric></integer></integer>		
Code example	<pre>\$.ajax({ type : "pUT", url : "/v2/pictures", headers : {authToken : "gfUH43trfdkjg34"}, dataType : "json", data : JSON.stringify({ "contactId" : 41, "base64" : "DDgF4g833gSq3FK19d81EWshf+rh1//9k=" }), success : function(data) { console.log(data); }, error : function(data) { console.log(data); } } });</pre>		
Notes	none		

Table 23 Picture upload

interact.io Scrum Team V2.0



2.5.3.1.13 Read a Picture

Title	Retrieve data of a particular picture		
URL	/v2/pictures/:id?callback=:callback		
Header attributes	Attribute	Required?	Example
	authToken	yes	authToken=gfUH43trfdkjg34
Method	GET		
URL	Parameter	Required?	Example
parameters	id : <integer></integer>	Yes	/751
	callback : <string></string>	No	?callback=jsonpcallback
Data	none		
Success response	Code: 200 OK		
response	{ "id" : <integer>, "isDefault" : <boolean>, "type" : <enum(facebook,google,gravatar,interact,twitter)>, "url" : <alphanumeric> }</alphanumeric></enum(facebook,google,gravatar,interact,twitter)></boolean></integer>		
Error response	Code: 400 BAD REQUEST		
	Code: 401 UNAUTHORIZED		
	Code: 403 FORBIDDEN		
	{"code" : <integer>, "error" : <integer>, "devmsg" : <alphanumeric>}</alphanumeric></integer></integer>		
Code example	<pre>\$.ajax({ type : "GET", url : "/v2/pictures/751", headers : {authToken : "gfUH43trfdkjg34"}, dataType : "json", success : function(data) { console.log(data); }, error : function(data) { console.log(data); } });</pre>		
Notes	none		

Table 24 Picture request

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2.5.3.1.14 Read a List of Pictures Associated with a Contact

Title	Retrieve a list of pictures associated with a particular contact		
URL	/v2/contacts/:id/pictures?callback=:callback		
Header attributes	Attribute	Required?	Example
dillibules	authToken	yes	authToken=gfUH43trfdkjg34
Method	GET		
URL parameters	Parameter	Required?	Example
parameters	id : <integer></integer>	Yes	/23/
	callback : <string></string>	No	?callback=myjsonpcallback
Data	none		
Success response	Code: 200 OK		
	<pre>[{ "id" : <integer>, "isDefault" : <boolean>, "type" : <alphanumeric>, "url" : <alphanumeric> }]</alphanumeric></alphanumeric></boolean></integer></pre>		
Error response	Code: 400 BAD REQUEST		
	Code: 401 UNAUTHORIZED		
	Code: 403 FORBIDDEN		
	{"code" : <integer>, "error" : <integer>, "devmsg" : <alphanumeric>}</alphanumeric></integer></integer>		
Code example	<pre>\$.ajax({ type : "GET", url : "/v2/contacts/23/pictures", headers : {authToken : "gfUH43trfdkjg34"}, dataType : "json", success : function(data) { console.log(data); }, error : function(data) { console.log(data); } });</pre>		
Notes	none		

Table 25 Picture list request – associated with a contact

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2.5.3.1.15 Update a contact picture

Title	Allows updating pictures for contacts		
URL	/v2/pictures/:id		
Header attributes	Attribute	Required?	Example
dilibules	authToken	yes	authToken=gfUH43trfdkjg34
Method	POST		
URL parameters	Parameter	Required?	Example
parameters	id : <integer></integer>	yes	/85
Data	{ "base64" : <base64string>, "isDefault" : <boolean> }</boolean></base64string>		
Success	Code: 200 OK		
response	{"code" : 200, "devmsg" : "s	uccess", "entity	r" : <picture>}</picture>
Error response	Code: 400 BAD REQUEST Code: 401 UNAUTHORIZED Code: 403 FORBIDDEN {"code" : <integer>, "error" : <integer>, "devmsg" : <alphanumeric>}</alphanumeric></integer></integer>		
Code example	<pre>{"code" : <integer>, "error" : <integer>, "devmsg" : <alphanumeric>} \$.ajax({ type : "POST", url : "/v2/pictures/85", headers : {authToken : "gfUH43trfdkjg34"}, dataType : "json", data : JSON.stringify({ "base64" : "DDgF4g833gSq3FKl9d8lEWshf+rh1//9k=" }), success : function(data) { console.log(data); }, error : function(data) { console.log(data); } });</alphanumeric></integer></integer></pre>		
Notes	an external system (e.g. fa		ot an uploaded picture but a picture from ,) the base64 attribute must not be given.

Table 26 Picture update

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2.5.3.1.16 Delete Pictures

Title	Delete pictures with the given ids		
Tille	Delete pictures with the given las		
URL	/v2/pictures?ids=:ids		
Header attributes	Attribute	Required?	Example
	authToken	yes	authToken=gfUH43trfdkjg34
Method	DELETE		
URL parameters	Parameter	Required?	Example
parameters	ids : [<integer>]</integer>	Yes	ids=12,435,98
Data	none		
Success	Code: 200 OK		
response	{"code" : 204, "devmsg" : "su	ccess"}	
Error response	Code: 400 BAD REQUEST		
	Code: 401 UNAUTHORIZED Code: 403 FORBIDDEN		
	{"code" : <integer>, "error" : <integer>, "devmsg" : <alphanumeric>}</alphanumeric></integer></integer>		
Code example	<pre>{"code" : <integer>, "error" : <integer>, "devmsg" : <alphanumeric>} \$.ajax({ type : "DELETE", url : "/v2/pictures?ids=12,435,98", headers : {authToken : "gfUH43trfdkjg34"}, dataType : "json", success : function(data) { console.log(data); }, error : function(data) { console.log(data); } });</alphanumeric></integer></integer></pre>		
Notes			ter is not an uploaded picture but a picture witter,) it can not be deleted.

Table 27 Pictures deletion

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2.5.3.1.17 Delete Picture

Title	Delete a particular picture		
URL	/v2/pictures/:id		
Header attributes	Attribute	Required?	Example
	authToken	yes	authToken=gfUH43trfdkjg34
Method	DELETE		
URL parameters	Parameter	Required?	Example
parameters	id : <integer></integer>	Yes	/98
Data	none		
Success	Code: 200 OK		
response	{"code" : 204, "devmsg" : "su	ccess"}	
Error response	Code: 400 BAD REQUEST		
	Code: 401 UNAUTHORIZED		
	Code: 403 FORBIDDEN		
	{"code" : <integer>, "error"</integer>	: <integer>, "d</integer>	levmsg" : <alphanumeric>}</alphanumeric>
Code example	<pre>\$.ajax({ type: "DELETE", url: "/v2/pictures/98", headers: {authToken: "gfUH43trfdkjg34"}, dataType: "json", success: function(data) { console.log(data); }, error: function(data) { console.log(data); } });</pre>		
Notes			er is not an uploaded picture but a picture witter,) it can not be deleted.

Table 28 Picture deletion

interact.io Scrum Team V2.0



2.5.3.1.18 Create Note Associated with a Contact

Title	Create given note		
URL	/v2/notes		
Header attributes	Attribute	Required?	Example
difficult	authToken	yes	authToken=gfUH43trfdkjg34
Method	PUT		
URL	Parameter	Required?	Example
parameters	id : <integer></integer>	yes	/312/
Data	<pre>{ "message" : <alphanumeric>, "relatedTo" :</alphanumeric></pre>		
Success response	Code: 201 CREATED {"code" : 201, "entity" : <note>, "devmsg" : "success"}</note>		
Error response	Code: 400 BAD REQUEST Code: 401 UNAUTHORIZED Code: 403 FORBIDDEN {"code" : <integer>, "error" : <integer>, "devmsg" : <alphanumeric>}</alphanumeric></integer></integer>		
Code example	<pre>{"code" : <integer>, "error" : <integer>, "devmsg" : <alphanumeric>} \$.ajax({ type : "PUT", url : "/v2/notes", headers : {authToken : "gfUH43trfdkjg34"}, dataType : "json", contentType : "application/json", data : JSON.stringify({ "message" : "deadline postponed", "relatedTo" : { "id" : 327, "type" : "contact" } }), success : function(data) { console.log(data); }, error : function(data) { console.log(data); } } </alphanumeric></integer></integer></pre>		
Notes	none		

Table 29 Notes creation

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2.5.3.1.19 Read a List of Notes

Title	Retrieve a list of all notes created by the system user					
URL	/v2/notes?callback=:callback					
Header attributes	Attribute	Attribute Requ		Exan	nple	
difficults	authToken	yes		auth	Token=gfUH43trfdkjg34	
Method	GET					
URL parameters	Parameter		Requi	red?	Example	
parameters	callback : <string></string>		no		?callback=jsonpcallback	
Data	none					
Success response	Code: 200 OK					
	<pre>[{ "id" : <integer>, "timestamp" : <integer>, "message" : <alphanumeric>, "relatedTo" : { "id" : <integer>, "type" : <enum(contact,deal)>, "displayName" : <alphanumeric> } }</alphanumeric></enum(contact,deal)></integer></alphanumeric></integer></integer></pre>					
Error response	Code: 401 UNAUTHORIZED					
	Code: 403 FORBIDDEN					
	{"code" : <integer>, "e</integer>	error"	: <integ< th=""><th>er>, "d</th><th>evmsg" : <alphanumeric>}</alphanumeric></th></integ<>	er>, "d	evmsg" : <alphanumeric>}</alphanumeric>	
Code example	<pre>\$.ajax({ type : "GET", url : "/v2/notes", headers : {authToken : "gfUH43trfdkjg34"}, dataType : "json", success : function(data) { console.log(data); }, error : function(data) { console.log(data); } });</pre>					
Notes		ımber	of millise	econd	nen the note was last updated. This date is s since the standard base time known as 0:00 GMT.	

Table 30 Note list request

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2.5.3.1.20 Read a List of Notes Associated with a Contact

Title	Retrieve a list of notes associated with a particular contact					
URL	/v2/contacts/:id/notes?callback=:callback					
Header attributes	Attribute	Required?	Example			
dilliboles	authToken	yes	authToken=gfUH43trfdkjg34			
Method	GET					
URL parameters	Parameter	Required?	Example			
purumerers	id : <integer> callback : <string></string></integer>	Yes no	/23/ ?callback=jsonpcallback			
Data	none					
Success response	Code: 200 OK					
response	<pre>[{ "id" : <integer>, "timestamp" : <integer>, "message" : <alphanumeric> }]</alphanumeric></integer></integer></pre>					
Error response	Code: 400 BAD REQUEST Code: 401 UNAUTHORIZED Code: 403 FORBIDDEN {"code" : <integer>, "error" : <integer>, "devmsg" : <alphanumeric>}</alphanumeric></integer></integer>					
Code example	<pre>\$.ajax({ type : "GET", url : "/v2/contacts/23/notes", headers : {authToken : "gfUH43trfdkjg34"}, dataType : "json", success : function(data) { console.log(data); }, error : function(data) { console.log(data); } });</pre>					
Notes		of millisecond	nen the note was last updated. This date is s since the standard base time known as 0:00 GMT.			

Table 31 Note list request – associated with a contact

interact.io Scrum Team 53/153 V2.0



2.5.3.1.21 Update a Note

Title	Update a particular note					
URL	/v2/notes/:id					
Header attributes	Attribute	Required?	Example			
dimboles	authToken	yes	authToken=gfUH43trfdkjg34			
Method	POST					
URL parameters	Parameter	Required?	Example			
parameters	id : <integer></integer>	yes	/184			
Data	{ "message" : <alphanumer th="" }<=""><th>cie></th><th></th></alphanumer>	cie>				
Success	Code: 200 OK					
response	{"code" : 200, "entity" :	<note>, "devm</note>	sg" : "success"}			
Error response	Code: 400 BAD REQUEST					
	Code: 401 UNAUTHORIZI	ED				
	Code: 403 FORBIDDEN					
	{"code" : <integer>, "err</integer>	ror" : <integer< td=""><td>>, "devmsg" : <alphanumeric>}</alphanumeric></td></integer<>	>, "devmsg" : <alphanumeric>}</alphanumeric>			
Code example	<pre>\$.ajax({ type : "POST", url : "/v2/notes/184", headers : {authToken : "gfUH43trfdkjg34"}, dataType : "json", contentType : "application/json", data : JSON.stringify({ "message" : "Don't forget to ask for address data." }), success : function(data) { console.log(data); }, error : function(data) { console.log(data); } });</pre>					
Notes	none					

Table 32 Note update

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2.5.3.1.22 Delete Notes

Title	Delete notes with the given ids					
URL	/v2/notes?ids=:ids					
Header attributes	Attribute	Required?	Example			
dillipoles	authToken	yes	authToken=gfUH43trfdkjg34			
Method	DELETE					
URL parameters	Parameter	Required?	Example			
parameters	ids : [<integer>]</integer>	Yes	ids=12,435,98			
Data	none					
Success	Code: 200 OK					
response	{"code" : 204, "devmsg" : "success"}					
Error response	Code: 400 BAD REQUEST					
	Code: 401 UNAUTHORIZED Code: 403 FORBIDDEN					
	{"code" : <integer>, "error"</integer>	: <integer>, "d</integer>	levmsg" : <alphanumeric>}</alphanumeric>			
Code example	<pre>\$.ajax({ type : "DELETE", url : "/v2/notes?ids=1,3,45,6", headers : {authToken : "gfUH43trfdkjg34"}, dataType : "json", success : function(data) { console.log(data); }, error : function(data) { console.log(data); } });</pre>					
Notes	none					

Table 33 Notes deletion

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2.5.3.1.23 Delete a Note

Title	Delete a particular note.					
URL	/v2/notes/:id					
Header attributes	Attribute	Required?	Example			
dillipoles	authToken	yes	authToken=gfUH43trfdkjg34			
Method	DELETE					
URL parameters	Parameter	Required?	Example			
parameters	id : <integer></integer>	yes	/12			
Data	none					
Success	Code: 200 OK					
response	{"code" : 204, "devmsg" : "success"}					
Error response	Code: 400 BAD REQUEST					
	Code: 401 UNAUTHORIZED Code: 403 FORBIDDEN					
	{"code" : <integer>, "error"</integer>	: <integer>, "d</integer>	levmsg" : <alphanumeric>}</alphanumeric>			
Code example	<pre>\$.ajax({ type : "DELETE", url : "/v2/notes/12", headers : {authToken : "gfUH43trfdkjg34"}, dataType : "json", success : function(data) { console.log(data); }, error : function(data) { console.log(data); } });</pre>					
Notes	none					

Table 34 Note deletion

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2.5.3.1.24 Read a List of Profiles Associated with a Contact

Title	Retrieve a list of social profiles and IMs associated with a particular contact						
URL	/v2/contacts/:id/profiles?callback=:callback						
Header	Attribute	Required?	Example				
attributes	authToken	yes	authToken=gfUH43trfdkjg34				
Method	GET						
URL	Parameter	Required?	Example				
parameters	<pre>id : <integer> callback : <string></string></integer></pre>	Yes No	/471/ ?callback=jsonpcallback				
Data	None						
Success response	Code: 200 OK						
	<pre>{</pre>						

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```
"twitter" :
                                     "connected" : <boolean>,
"username" : <alphanumeric>,
                                     "url" : <alphanumeric>
                                "xing":
                                {
    "connected" : <boolean>,
    "username" : <alphanumeric>,
    "url" : <alphanumeric>
                            }
                            Code: 400 BAD REQUEST
Error response
                            Code: 401 UNAUTHORIZED
                            Code: 403 FORBIDDEN
                            {"code" : <integer>, "error" : <integer>, "devmsg" : <alphanumeric>}
                            $.ajax({
  type : "GET",
  url : "/v2/contacts/471/profiles",
  headers : {authToken : "gfUH43trfdkjg34"},
  dataType : "json",
  success : function(data) {
    console.log(data);
}
Code example
                               error : function(data) {
                                  console.log(data);
                            });
Notes
                            none
```

Table 35 Profiles list request – associated with a contact

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2.5.3.1.25 Read a List of Search Terms Associated with a Contact

Title	Retrieve a list of search terms associated with a particular contact					
URL	/v2/contacts/:id/searchTerms?callback=:callback					
Header attributes	Attribute	Required?	Example			
dillibules	authToken	yes	authToken=gfUH43trfdkjg34			
Method	GET					
URL	Parameter	Required?	Example			
parameters	id : <integer> callback : <string></string></integer>	Yes No	/65/ ?callback=jsonpcallback			
Data	none					
Success	Code: 200 OK					
response	[<alphanumeric>]</alphanumeric>					
Error response	Code: 400 BAD REQUEST Code: 401 UNAUTHORIZED Code: 403 FORBIDDEN					
Code example	<pre>{"code" : <integer>, "error" : <integer>, "devmsg" : <alphanumeric>} \$.ajax({ type : "GET", url : "/v2/contacts/65/searchTerms", headers : {authToken : "gfUH43trfdkjg34"}, dataType : "json", success : function(data) { console.log(data); }, error : function(data) { console.log(data); } });</alphanumeric></integer></integer></pre>					
Notes	none					

Table 36 Search term list request – associated with a contact

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2.5.3.1.26 Read a List of Tags

Title	Retrieve a list of all tags used by the system user					
URL	/v2/tags?callback=:callback					
Header	Attribute	Requ	uired?	Exan	nple	
attributes	authToken	yes		auth	Token=gfUH43trfdkjg34	
Method	GET					
URL parameters	Parameter		Requi	red?	Example	
parameters	callback : <string></string>		no		?callback=jsonpcallback	
Data	none					
Success response	Code: 200 OK					
Success response	[<alphanumeric>]</alphanumeric>					
Error response	Code: 401 UNAUTHORIZED Code: 403 FORBIDDEN					
Error response	{"code" : <integer>, "error" : <integer>, "devmsg" : <alphanumeric>}</alphanumeric></integer></integer>					
Code example	<pre>\$.ajax({ type : "GET", url : "/v2/tags", headers : {authToken : "gfUH43trfdkjg34"}, dataType : "json", success : function(data) { console.log(data); }, error : function(data) { console.log(data); } }</pre>					
Notes	none					

Table 37 Tag list request

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2.5.3.1.27 Read a List of Tags Associated with a Contact

Title	Retrieve a list of tags associated with a particular contact					
URL	/v2/contacts/:id/tags?callback=:callback					
Header attributes	Attribute	Required?	Example			
attributes	authToken	yes	authToken=gfUH43trfdkjg34			
Method	GET					
URL	Parameter	Required?	Example			
parameters	id : <integer> callback : <string></string></integer>	Yes No	/231/ ?callback=jsonpcallback			
Data	none					
Success	Code: 200 OK					
response	[<alphanumeric>]</alphanumeric>					
Error response	Code: 400 BAD REQUEST Code: 401 UNAUTHORIZED Code: 403 FORBIDDEN {"code" : <integer>, "error" : <integer>, "devmsg" : <alphanumeric>}</alphanumeric></integer></integer>					
Code example	<pre>\$.ajax({ type : "GET", url : "/v2/contacts/231/tags", headers : {authToken : "gfUH43trfdkjg34"}, dataType : "json", success : function(data) { console.log(data); }, error : function(data) { console.log(data); } } </pre>					
Notes	none					

Table 38 Tag list request – associated with a contact

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2.5.3.1.28 Read a List of Interactions

Title	Returns all interactions associated with the requesting user						
URL	/v2/interactions?callback=:callback						
Header attributes	Attribute	Required?	Exar	mple			
	authToken	yes	autl	nToken=gfUH43trfdkjg34			
Method	GET						
URL parameters	Parameter	Requ	ired?	Example			
parameters	callback : <string></string>	no		?callback=jsonpcallback			
Data	none						
Success response	Code: 200 OK						
Success response Error response	<pre>[{ "id" : <integer>, "organization" : { "id" : <integer>, "displayName" : <alphanumeric> }, "person" : { "id" : <integer>, "displayName" : <alphanumeric> } "basicInfoId" : <integer>, "type" : <enum(call-incoming,call-outgoing,email-incoming,email-outgoing,im-incoming,im-outgoing,sms-incoming,sms-outgoing)>, "data" : <alphanumeric>, "duration" : <integer>, "externalSystems" : [{ "systemId" : <alphanumeric>, "entityId" : <alphanumeric>, "entityId" : <alphanumeric>, "entityId" : <alphanumeric>, "entityId" : <alphanumeric>, "entityId" : <alphanumeric>, "entityId" : <alphanumeric>, "entityId" : <alphanumeric>, "entityId" : <alphanumeric>, "entityId" : <alphanumeric>, "entityId" : <alphanumeric>, "entityId" : <alphanumeric>, "entityId" : <alphanumeric>, "entityId" : <alphanumeric>, "entityId" : <alphanumeric>, "entityId" : <alphanumeric>, "entityId" : <</alphanumeric></alphanumeric></alphanumeric></alphanumeric></alphanumeric></alphanumeric></alphanumeric></alphanumeric></alphanumeric></alphanumeric></alphanumeric></alphanumeric></alphanumeric></alphanumeric></alphanumeric></alphanumeric></alphanumeric></alphanumeric></alphanumeric></alphanumeric></alphanumeric></alphanumeric></alphanumeric></alphanumeric></alphanumeric></alphanumeric></alphanumeric></alphanumeric></alphanumeric></alphanumeric></alphanumeric></alphanumeric></alphanumeric></integer></alphanumeric></enum(call-incoming,call-outgoing,email-incoming,email-outgoing,im-incoming,im-outgoing,sms-incoming,sms-outgoing)></integer></alphanumeric></integer></alphanumeric></integer></integer></pre>						
	Code: 401 UNAUTHORIZED Code: 403 FORBIDDEN						
Error response	{"code" : <integer>, "e</integer>	rror" : <inte< th=""><th>ger>, "d</th><th>devmsg" : <alphanumeric>}</alphanumeric></th></inte<>	ger>, "d	devmsg" : <alphanumeric>}</alphanumeric>			
Code example	<pre>\$.ajax({ type : "GET", url : "/v2/interactions", headers : {authToken : "gfUH43trfdkjg34"}, dataType : "json", success : function(data) { console.log(data); }, error : function(data) { console.log(data); } } </pre>						

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Notes	The time attribute holds the date when the interaction was created. This date is represented by the number of milliseconds since the standard base time known as "the epoch", namely January 1, 1970, 00:00:00 GMT.
	The interaction list is sorted by time, descending.

Table 39 Interaction list request



2.5.3.1.29 Read a List of Interactions Associated with a Contact

Title	Retrieve a list of interactions associated with a particular contact					
URL	/v2/contacts/:id/interactions?callback=:callback					
Header attributes	Attribute	Example				
umboics	authToken	yes	authToken=gfUH43trfdkjg34			
Method	GET					
URL	Parameter	Required?	Example			
parameters	id : <integer></integer>	Yes	/23/			
	callback : <string></string>	no	?callback=jsonpcallback			
Data	none					
Success response	Code: 200 OK					
	<pre>incoming,im-outgoing,sms-incomi "data" : <alphanumeric>, "duration" : <integer>, "externalSystems" : [{ "systemId" : <alphanumeri "entityid"="" "threadid"="" "time"="" :="" <alphanumeri="" <integer="" }=""> }]</alphanumeri></integer></alphanumeric></pre>	call-outgoing, ng,sms-outgoing	email-incoming,email-outgoing,im-g)>,			
Error response	Code: 400 BAD REQUEST Code: 401 UNAUTHORIZED Code: 403 FORBIDDEN {"code" : <integer>, "error" : <integer>, "devmsg" : <alphanumeric>}</alphanumeric></integer></integer>					
Code example	<pre>\$.ajax({ type : "GET", url : "/v2/contacts/23/intera headers : {authToken : "gfUH4 dataType : "json", success : function(data) { console.log(data); }, error : function(data) { console.log(data); } });</pre>					

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Notes	The <i>time</i> attribute holds the date when the interaction was created. This date is represented by the number of milliseconds since the standard base time known as "the epoch", namely January 1, 1970, 00:00:00 GMT.
	The interaction list is sorted by time, descending.

Table 40 Interaction list request - associated with a contact



2.5.3.1.30 Read an Interaction

	I		
Title	Retrieve data of a particular interaction		
URL	/v2/interactions/:id?callbac	k=:callback	
Header attributes	Attribute	Required?	Example
umboles	authToken	yes	authToken=gfUH43trfdkjg34
Method	GET		
URL parameters	Parameter	Required?	Example
parameters	id : <integer></integer>	Yes	/79
	callback : <string></string>	No	?callback=jsonpcallback
Data	none		
Success response	<pre>Code: 200 OK Content: { "id" : <integer>, "organization": { "id" : <integer>, "displayName" : <alphanumeric> }, "person" : { "id" : <integer>, "displayName" : <alphanumeric> } "basicInfoId" : <integer>, "type" : <enum(call-incoming,call-outgoing,email-incoming,email-outgoing,im-incoming,im-outgoing,sms-incoming,sms-outgoing)>, "data" : <alphanumeric>, "duration" : <integer>, "externalSystems" : [{ "systemId" : <alphanumeric>, "threadId" : <alphanumeric>, "entityId" : <alphanumeric>, "entityId" : <alphanumeric>, "entityId" : <alphanumeric>, "entityId" : <alphanumeric>, "time" : <integer>} }</integer></alphanumeric></alphanumeric></alphanumeric></alphanumeric></alphanumeric></alphanumeric></integer></alphanumeric></enum(call-incoming,call-outgoing,email-incoming,email-outgoing,im-incoming,im-outgoing,sms-incoming,sms-outgoing)></integer></alphanumeric></integer></alphanumeric></integer></integer></pre>		
Error response	Code: 400 BAD REQUEST Code: 401 UNAUTHORIZED Code: 403 FORBIDDEN Code: 404 NOT FOUND Content: {"code" : <integer>, "error" : <integer>, "devmsg" : <alphanumeric>}</alphanumeric></integer></integer>		
Code example	<pre>\$.ajax({ type : "GET", url : "/v2/interactions/79", headers : {authToken : "gfUH43trfdkjg34"}, dataType : "json", success : function(data) { console.log(data);</pre>		

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	<pre>}, error : function(data) { console.log(data); } });</pre>
Notes	The <i>time</i> attribute holds the date when the interaction was created. This date is represented by the number of milliseconds since the standard base time known as "the epoch", namely January 1, 1970, 00:00:00 GMT.
	The interaction list is sorted by time, descending.

Table 41 Interaction request

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2.5.3.1.31 Update an Interaction

	1			
Title	Update a particular interac	Update a particular interaction		
URL	/v2/interactions/:id			
Header attributes	Attribute	Required?	Example	
dillibules	authToken	yes	authToken=gfUH43trfdkjg34	
Method	POST			
URL	Parameter	Required?	Example	
parameters	id : <integer></integer>	yes	/1387	
Data	<pre>{ "basicInfoId" : <integer>, "customTags" : <alphanumeric>, "duration" : <integer>, "externalSystems" : [{ "name" : <alphanumeric>, "threadId" : <alphanumeric>, "entityId" : <alphanumeric> }], "organization" : { "id" : <integer> }, "person" : { "id" : <integer> }, "status" : <alphanumeric> } </alphanumeric></integer></integer></alphanumeric></alphanumeric></alphanumeric></integer></alphanumeric></integer></pre>			
Success response	Code: 200 OK {"code" : 200, "entity" : <interaction>, "devmsg" : "success"}</interaction>			
Error response	Code: 400 BAD REQUEST			
	{"code" : <integer>, "error" : <integer>, "devmsg" : <alphanumeric>}</alphanumeric></integer></integer>			
Code example	<pre>\$.ajax({ type : "POST", url : "/v2/interactions/1387", headers : {authToken : "gfUH43trfdkjg34"}, dataType : "json", contentType : "application/json", data : JSON.stringify({ "organizationId" : 12, "personId" : 34 }), success : function(data) { console.log(data); }, error : function(data) { console.log(data); } });</pre>			
Notes	The purpose of this API call is linking a contact to a formerly unknown interaction list entry or setting a concrete contact person for an interaction with an organization. It is also possible du update an interaction (of type call) with the duration when the call			

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ended, set custom tags and assign an ID for that interaction inside an external system.

If the externalSystem entity is given at least one of externalSystem.threadId or externalSystem.entityId must be given. While the threadId is meant to reference the interaction parent (e.g. the im-conversation id) the entityId is meant to reference the concrete interaction message (e.g. im-message id) inside that parent.

The *status* field is meant to represent the technical state of the interaction, e.g. "missed", "voicemail", "answered", ...

Table 42 Interaction update



2.5.3.1.32 Create Basicinfo

Title	Create given basicinfo			
URL	/v2/basicInfos			
Header	Attribute	Required?	Example	
attributes	authToken	yes	authToken=gfUH43trfdkjg34	
Method	PUT			
URL parameters	none			
Data	<pre>{ "excluded" : <boolean>, "subtype" : <enum(home,work,other)>, "type" : <enum(email,fax,mobile,phone,website)>, "value" : <alphanumeric> }</alphanumeric></enum(email,fax,mobile,phone,website)></enum(home,work,other)></boolean></pre>			
Success response	Code: 201 CREATED Content: {"code" : 201, "entity" : <basicinfo>, "devmsg" : "success"}</basicinfo>			
Error response	Code: 400 BAD REQUEST Code: 401 UNAUTHORIZED Code: 403 FORBIDDEN Content: {"code" : <integer>, "error" : <integer>, "devmsg" : <alphanumeric>}</alphanumeric></integer></integer>			
Code example	<pre>\$.ajax({ type : "PUT", url : "/v2/basicInfos", headers : {authToken : "gfUH43trfdkjg34"}, dataType : "json", contentType : "application/json", data : JSON.stringify({ "type" : "phone", "value" : "+491774528462" "excluded" : true }), success : function(data) { console.log(data); }, error : function(data) { console.log (data); } });</pre>			
Notes	The general purpose of this API call is excluding unknown phone numbers from Interact.			

Table 43 Basicinfos creation

2.5.3.1.33 Update a Basicinfo

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Title	Update a particular basic	cinfo	
URL	/v2/basicInfos/:id		
Header attributes	Attribute	Required?	Example
diffibules	authToken	yes	authToken=gfUH43trfdkjg34
Method	POST		
URL	Parameter	Required?	Example
parameters	id : <integer></integer>	yes	/246
Data	<pre>{ "type" : <enum(email,fax,mobile,phone,website)>, "subtype" : <enum(home,work,other)>, "value" : <alphanumeric>, "excluded" : <boolean> }</boolean></alphanumeric></enum(home,work,other)></enum(email,fax,mobile,phone,website)></pre>		
Success response	Code: 200 OK Content: {"code" : 200, "entity" : <basicinfo>, "devmsg" : "success"}</basicinfo>		
Error response	Code: 400 BAD REQUEST Code: 401 UNAUTHORIZED Code: 403 FORBIDDEN Content: {"code" : <integer>, "error" : <integer>, "devmsg" : <alphanumeric>}</alphanumeric></integer></integer>		
Code example	<pre>\$.ajax({ type : "POST", url : "/v2/basicInfos/246", headers : {authToken : "gfUH43trfdkjg34"}, dataType : "json", contentType : "application/json", data : JSON.stringify({ "value" : "+493029352225", "subtype" : "work", "excluded" : true }), success : function(data) { console.log(data); }, error : function(data) { console.log(data); } } </pre>		
Notes	The general purpose of this API call is excluding known phone numbers from Interact.		

Table 44 Basicinfo update



2.5.3.1.34 Create Task

Title	Create a task	Create a task		
URL	/v2/tasks			
Header attributes	Attribute	Required?	Example	
umbores	authToken	yes	authToken=gfUH43trfdkjg34	
Method	PUT			
URL parameters	none			
Data	<pre>{ "assignedTo" : { "id" : <integer> }, "concreteDueDate" : <integer>, "content" : <alphanumeric>, "created" : <integer>, "duration" : <integer>, "fuzzyDueDate" : <enum(tomorrow,next_week,in_a_month,someday)>, "hot" : <boolean>, "listId" : <integer>, "phoneNumberIds" : [<integer>], "relatedTo" : { "id" : <integer>, "type" : <enum(contact,deal)> }, "status" : <enum(completed,open)>, "taskType" : <enum(task,scheduled_call>, "title" : <alphanumeric> }</alphanumeric></enum(task,scheduled_call></enum(completed,open)></enum(contact,deal)></integer></integer></integer></boolean></enum(tomorrow,next_week,in_a_month,someday)></integer></integer></alphanumeric></integer></integer></pre>			
Success response	Code: 201 CREATED Content: {"code" : 201, "entity" : <task>, "devmsg" : "success"}</task>			
Error response	Code: 400 BAD REQUEST Code: 401 UNAUTHORIZED Code: 403 FORBIDDEN Content: {"code" : <integer>, "error" : <integer>, "devmsg" : <alphanumeric>}</alphanumeric></integer></integer>			
Code example	<pre>\$.ajax({ type : "PUT", url : "/v2/tasks", headers : {authToken : "gfUH43trfdkjg34"}, dataType : "json", contentType : "application/json",</pre>			

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```
data : JSON.stringify({
                    "content" : "Meeting with Remo at Joeys'",
                    "created" : 1360190185200,
                     "concreteDueDate" : 1360190188000,
                    "listId" : 95
                    "relatedTo" : {
                       "id" : 327,
                       "type" : "contact"
                     "status" : "open",
                    "taskType" : "task",
                    "title" : "Lunch with Remo"
                  }]),
                  success : function(data) {
                    console.log(data);
                  error : function(data) {
                    console.log(data);
                });
Notes
                The attributes duration and phoneNumberIds are only relevant when taskType is set to
                "scheduled_call".
                created and concreteDueDate are represented by the number of milliseconds since
                the standard base time known as "the epoch", namely January 1, 1970, 00:00:00 GMT.
                fuzzyDueDate rules are the following:
                "tomorrow" => concreteDueDate = current date + 1d
                "next_week" => concreteDueDate = current date + 7d
                "in_a_month" => concreteDueDate = current date + 30d
                "someday" => concreteDueDate = current date + 99d
```

Table 45 Tasks creation

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2.5.3.1.35 Read a List of Tasks

Title	Returns all the tasks associated to the requesting user.					
URL	/v2/tasks?callback=:callback					
Header	Attribute Required? Example		mple			
attributes	authToken	yes	autl	nToken=gfUH43trfdkjg34		
Method	GET					
URL	Parameter	Requ	ired?	Example		
parameters	callback : <string></string>	no		?callback=jsonpcallback		
Data	none					
Success response	Code: 200 OK Content: [{ "id" : <integer> "assignedTo" : { "id" : <inte "concreteduedate="" "content"="" "created"="" "displayname="" "duration"="" "excluded"="" "fuzzyduedate"="" "hot"="" "id"="" "listid"="" "phonenumbers"="" "relatedto"="" "status"="" "subtype"="" "tasktype"="" "title"="" "type"="" "value"="" :="" <a="" <alp="" <alpha="" <boolean="" <en="" <enum="" <int="" <inte="" [{="" th="" {="" },="" }],="" }]<=""><th><pre>ger>, " : <alphar "="" :="" <intege="" hanumeric=""> eger>, teger>, <enum(tome)>, ger>, um(mobile,) <enum(home <boolean="" lphanumeric=""> ger>, um(contact " : <alphar (completed="" pre="" um(task,sch<=""></alphar></enum(home></enum(tome)></alphar></pre></th><th>phone) work, c>, deal) numeri</th><th><pre>next_week,in_a_month,someday)>, >, other)>,</pre></th></inte></integer>	<pre>ger>, " : <alphar "="" :="" <intege="" hanumeric=""> eger>, teger>, <enum(tome)>, ger>, um(mobile,) <enum(home <boolean="" lphanumeric=""> ger>, um(contact " : <alphar (completed="" pre="" um(task,sch<=""></alphar></enum(home></enum(tome)></alphar></pre>	phone) work, c>, deal) numeri	<pre>next_week,in_a_month,someday)>, >, other)>,</pre>		
Error response	Code: 401 UNAUTHOR Content: {"code" : <integer< th=""><th></th><th>: <in< th=""><th>teger>, "devmsg" : <alphanumeric>}</alphanumeric></th></in<></th></integer<>		: <in< th=""><th>teger>, "devmsg" : <alphanumeric>}</alphanumeric></th></in<>	teger>, "devmsg" : <alphanumeric>}</alphanumeric>		

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```
Code example
                 $.ajax({
                   type : "GET",
url : "/v2/tasks",
                   headers : {authToken : "gfUH43trfdkjg34"},
                   dataType : "json",
                   success : function(data) {
                    console.log(data);
                   error : function(data) {
                     console.log(data);
                 });
                 created and concreteDueDate are represented by the number of milliseconds since
Notes
                 the standard base time known as "the epoch", namely January 1, 1970, 00:00:00 GMT.
                 The list is sorted by concreteDueDate, descending.
                 The attributes duration and phoneNumbers may only be set when taskType is
                 "scheduled_call".
```

Table 46 Task list request

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2.5.3.1.36 Read a List of Tasks Associated with a Contact

Title	Retrieve a list of tasks associated with a particular contact				
URL	/v2/contacts/:id/tasks?callback=:callback				
Header attributes	Attribute	Required?	Example		
ambules	authToken	yes	authToken=gfUH43trfdkjg34		
Method	GET				
URL	Parameter	Required?	Example		
parameters	<pre>id : <integer> callback : <string></string></integer></pre>	Yes No	/517/ ?callback=jsonpcallback		
Data	none				
Success response	Code: 200 OK Content: [{ "id" : <integer>, "assignedTo" : { "id" : <integer>, "displayName" : < }, "concreteDueDate" : < "content" : <alphanum "created"="" :="" <integer=""> "duration" : <integer "fuzzyduedate"="" "hot"="" :="" <boolean="" <enu="">, "listId" : <integer>, "phoneNumbers" : [{ "id" : <integer>, "type" : <enum(mo "excluded"="" "id"="" "relatedto"="" "subtype"="" "value"="" :="" <alphan="" <boo="" <enum="" <integer="" {="" }],="">, "type" : <enum(co "displayname"="" "tasktype"="" "title"="" "type"="" :="" <="" <alphanumer="" <enum(comp="" <enum(ta="" th="" }]<=""><th>alphanumerical integers, erics, erics, sometimes, somet</th><th><pre>next_week,in_a_month,someday)>, >, other)>,</pre></th></enum(co></enum(mo></integer></integer></integer></alphanum></integer></integer>	alphanumerical integers, erics, erics, sometimes, somet	<pre>next_week,in_a_month,someday)>, >, other)>,</pre>		
Error response	Code: 401 UNAUTHORIZED Code: 403 FORBIDDEN				

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```
Code: 404 NOT FOUND
                Content:
                {"code" : <integer>, "error" : <integer>, "devmsg" : <alphanumeric>}
Code example
                $.ajax({
                  type : "GET",
                  url : "/v2/contacts/517/tasks",
                  headers : {authToken : "gfUH43trfdkjg34"},
                  dataType : "json",
                  success : function(data) {
                    console.log(data);
                  error : function(data) {
                    console.log(data);
                });
                The created attribute holds the date when the task was created. This date is
Notes
                represented by the number of milliseconds since the standard base time known as
                "the epoch", namely January 1, 1970, 00:00:00 GMT. Same behavior is used for
                concreteDueDate.
                The list is sorted by concreteDueDate, descending.
                The attributes duration and phoneNumbers may only be set when taskType is
                "scheduled_call".
```

Table 47 Tasks list request - associated with a contact

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2.5.3.1.37 Read a Task

Title	Retrieve data of a particular task					
URL	/v2/tasks/:id?callback=:callback					
Header attributes	Attribute	Required?	Example			
difficults	authToken	yes	authToken=gfUH43trfdkjg34			
Method	GET					
URL	Parameter	Required?	Example			
parameters	id : <integer> callback : <string></string></integer>	Yes No	/47 ?callback=jsonpcallback			
Data	none					
Success response	<pre>Code: 200 OK Content: { "id" : <integer>, "assignedTo" : { "id" : <integer>, "displayName" : < }, "concreteDueDate" : < "content" : <alphanum "created"="" :="" <integer=""> "duration" : <integer "fuzzyduedate"="" "hot"="" :="" <boolean="" <enu="">, "listId" : <integer>, "phoneNumbers" : [{ "id" : <integer>, "type" : <enum(mo "excluded"="" "id"="" "relatedto"="" "subtype"="" "value"="" :="" <alphan="" <boo="" <enum="" <integer="" {="" }],="">, "type" : <enum(co "displayname"="" "tasktype"="" "type"="" :="" <="" <alphanumer="" <enum(casktype"="" <enum(comp="" <enum(tasktype"="" pre="" }<=""></enum(co></enum(mo></integer></integer></integer></alphanum></integer></integer></pre>	alphanumeric integer>, eric>, , , >, m(tomorrow, bile,phone) (home,work, umeric>, lean>	<pre>next_week,in_a_month,someday)>, >, other)>,</pre>			
Error response	Code: 401 UNAUTHORIZED Code: 403 FORBIDDEN					

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```
Code: 404 NOT FOUND
                Content:
                {"code" : <integer>, "error" : <integer>, "devmsg" : <alphanumeric>}
Code example
                $.ajax({
                  type : "GET",
url : "/v2/tasks/47",
                  headers : {authToken : "gfUH43trfdkjg34"},
                  dataType : "json",
                  success : function(data) {
                    console.log(data);
                  error : function(data) {
                    console.log(data);
                });
                created and concreteDueDate are represented by the number of milliseconds since
Notes
                the standard base time known as "the epoch", namely January 1, 1970, 00:00:00 GMT.
                The attributes duration and phoneNumbers may only be set when taskType is
                "scheduled_call".
```

Table 48 Task request

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2.5.3.1.38 Update a Task

Title	Update a particular task					
URL	/v2/tasks/:id					
Header attributes	Attribute	Required?	Example			
difficults	authToken	yes	authToken=gfUH43trfdkjg34			
Method	POST					
URL	Parameter	Required?	Example			
parameters	id : <integer></integer>	yes	/734			
Data	<pre>{ "assignedTo" : { "id" : <integer>, }, "concreteDueDate" : <integer>, "content" : <alphanumeric>, "created" : <integer>, "duration" : <integer>, "fuzzyDueDate" : <enum(tomorrow,next_week,in_a_month,someday)>, "hot" : <boolean>, "listId" : <integer>, "phoneNumberIds" : [<integer>], "relatedTo" : { "id" : <integer>, "type" : <enum(contact,deal)>, }, "status" : <enum(completed,open)>, "title" : <alphanumeric> }</alphanumeric></enum(completed,open)></enum(contact,deal)></integer></integer></integer></boolean></enum(tomorrow,next_week,in_a_month,someday)></integer></integer></alphanumeric></integer></integer></pre>					
Success response	Code: 200 OK Content: {"code" : 200, "entity" : <task>, "devmsg" : "success"}</task>					
Error response	Code: 400 BAD REQUEST Code: 401 UNAUTHORIZED Code: 403 FORBIDDEN Content: {"code" : <integer>, "error" : <integer>, "devmsg" : <alphanumeric>}</alphanumeric></integer></integer>					
Code example	<pre>\$.ajax({ type : "POST", url : "/v2/tasks/ headers : {authTodataType : "json" contentType : "ap</pre>	ken : "gfUH [,] ,	, and the second			

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```
data : JSON.stringify({
                      "content" : "Call Nancy",
"dueDate" : 1360190157000,
                       "relatedTo" : {
                           "id" : 462,
                           "type" : "contact"
                      "status" : "completed",
"title" : "Birthday"
                    }),
                    success : function(data) {
                      console.log(data);
                    error : function(data) {
                      console.log(data);
                  });
Notes
                  dueDate is represented by the number of milliseconds since the standard base time
                  known as "the epoch", namely January 1, 1970, 00:00:00 GMT.
                 The attributes duration and phoneNumberlds are only relevant when the task is a
                  "scheduled call".
```

Table 49 Task update

2.5.3.1.39 Delete Tasks

Title	Delete tasks with the given ids			
URL	/v2/tasks?ids=:ids			
Header attributes	Attribute	Required?	Example	
dilliboles	authToken	yes	authToken=gfUH43trfdkjg34	
Method	DELETE			
URL parameters	Parameter Required? Example			
parameters	ids : [<integer>]</integer>	Yes	ids=1056,973,1294	
Data	none			
Success response	Code: 200 OK Content: {"code" : 204, "devmsg" : "success"}			
Error response	Code: 400 BAD REQUEST Code: 401 UNAUTHORIZED Code: 403 FORBIDDEN Content: {"code" : <integer>, "error" : <integer>, "devmsg" : <alphanumeric>}</alphanumeric></integer></integer>			



Table 50 Tasks deletion

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2.5.3.1.40 Delete a Task

Title	Delete a particular task				
URL	/v2/tasks/:id				
Header attributes	Attribute	Required?	Example		
	authToken	yes	authToken=gfUH43trfdkjg34		
Method	DELETE				
URL parameters	Parameter	Required?	Example		
parameters	id : <integer></integer>	yes	/481		
Data	none				
Success response	Code: 200 OK Content: {"code" : 204, "devmsg" : "success"}				
Error response	Code: 401 UNAUTHORIZED Code: 403 FORBIDDEN Content: {"code" : <integer>, "error" : <integer>, "devmsg" : <alphanumeric>}</alphanumeric></integer></integer>				
Code example	<pre>\$.ajax({ type : "DELETE", url : "/v2/tasks/481", headers : {authToken : "gfUH43trfdkjg34"}, dataType : "json", success : function(data) { console.log(data); }, error : function(data) { console.log(data); } });</pre>				
Notes	none				

Table 51 Task deletion

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2.5.3.1.41 Create a Tasklist

Title	Create a tasklist				
IIIIe					
URL	/v2/taskLists				
Header attributes	Attribute	Required?	Example		
difficult	authToken	yes	authToken=gfUH43trfdkjg34		
Method	PUT				
URL parameters	none				
Data	{ "title" : <alphanumer th="" }<=""><th>ic></th><th></th></alphanumer>	ic>			
Success	Code: 201 CREATED				
response	{"code" : 201, "entity" : <tasklist>, "devmsg" : "success"}</tasklist>				
Error response	Code: 400 BAD REQUEST Code: 401 UNAUTHORIZED Code: 403 FORBIDDEN {"code" : <integer>, "error" : <integer>, "devmsg" : <alphanumeric>}</alphanumeric></integer></integer>				
Code example	<pre>\$.ajax({ type : "PUT", url : "/v2/taskLists", headers : {authToken : "gfUH43trfdkjg34"}, dataType : "json", contentType : "application/json", data : JSON.stringify({ "title" : "EMEA" }]), success : function(data) { console.log(data); }, error : function(data) { console.log(data); } });</pre>				
Notes	none				

Table 52 Tasklist creation

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2.5.3.1.42 Read a List of Tasklists

Title	Deturns all the tasks lists associated to the requesting user					
	Returns all the tasks lists associated to the requesting user.					
URL	/v2/taskLists?callback=:callback					
Header attributes	Attribute	Requi	red?	Exan	nple	
	authToken	yes		auth	nToken=gfUH43trfdkjg34	
Method	GET					
URL parameters	Parameter		Requi	ed?	Example	
parameters	callback : <string></string>		no		?callback=jsonpcallback	
Data	none					
Success response	Code: 200 OK					
Success response Error response	<pre>[{ "id" : <integer>, "title" : <alphanumeric>, "tasks" : { "id" : <integer>, "assignedTo" : { "id" : <integer>, "displayName" : <alphanumeric> }, "concretDueDate" : <integer>, "content" : <alphanumeric>, "created" : <integer>, "duration" : <integer>, "duration" : <integer>, "fuzzyDueDate" : <enum(tomorrow,next_week,in_a_month,someday)>, "hot" : <boolean>, "listId" : <integer>, "phoneNumbers" : [{ "id" : <integer>, "subtype" : <enum(mobile,phone)>, "subtype" : <enum(mobile,phone)>, "subtype" : <enum(home,work,other)>, "value" : <alphanumeric>, "excluded" : <boolean>]}, "relatedTo" : { "id" : <integer>, "type" : <enum(contact,deal)>, "displayName" : <alphanumeric> }, "status" : <enum(completed,open)>, "status" : <enum(cask,scheduled_call>, "title" : <alphanumeric> } } </alphanumeric></enum(cask,scheduled_call></enum(completed,open)></alphanumeric></enum(contact,deal)></integer></boolean></alphanumeric></enum(home,work,other)></enum(mobile,phone)></enum(mobile,phone)></integer></integer></boolean></enum(tomorrow,next_week,in_a_month,someday)></integer></integer></integer></alphanumeric></integer></alphanumeric></integer></integer></alphanumeric></integer></pre>					
	Code: 401 UNAUTHORIZED Code: 403 FORBIDDEN					
Error response	{"code" : <integer>, "error" : <integer>, "devmsg" : <alphanumeric>}</alphanumeric></integer></integer>					
Code example	\$.ajax({					
	type : "GET",					

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```
url : "/v2/taskLists",
headers : {authToken : "gfUH43trfdkjg34"},
dataType : "json",
success : function(data) {
    console.log(data);
},
error : function(data) {
    console.log(data);
}
});
Notes

None
```

Table 53 Tasklist list request

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2.5.3.1.43 Read a Tasklist

Title	Returns the requested task list that is associated to the user.					
URL	/v2/taskLists/:id?callback=:callback					
Header attributes	Attribute	Required?	Example			
dillipoles	authToken	yes	authToken=gfUH43trfdkjg34			
Method	GET					
URL	Parameter	Required?	Example			
parameters	<pre>id : <integer> callback : <string></string></integer></pre>	Yes No	/47 ?callback=jsonpcallback			
Data	none					
Success response	<pre>Code: 200 OK Content: { "id" : <integer>, "title" : <alphanumer "id"="" "tasks"="" :="" <integer="" [{="">, "assignedTo" : { "id" : <integer>, "assignedTo" : { "id" : <integer>, "concreteDueDate" "content" : <alph "created"="" "duration"="" "fuzzyduedate"="" "hot"="" :="" <boolean="" <int="" <inte=""> "listId" : <integent "displayname"="" "id"="" "phonenumbers"="" "relatedto"="" "status"="" "subtype"="" "tasktype"="" "title"="" "type"="" "value"="" :="" <="" <alphan="" <alunch="" <enu="" <enum(="" <integent="" [{="" pre="" {="" },="" }<="" }]=""></integent></alph></integer></integer></alphanumer></integer></pre>	er>, : <alphanum :="" <integer="" anumeric="">, ger>, eger>, eenum(tomori er>, er>, m(mobile,ph enum(home,w phanumeric> <boolean> er>, m(contact,de : <alphanum completed,op="" m(task,sche<="" th=""><th><pre>cone)>, one)>, one, other)>, meric> pen)>,</pre></th></alphanum></boolean></alphanum>	<pre>cone)>, one)>, one, other)>, meric> pen)>,</pre>			



```
Error response
                  Code: 401 UNAUTHORIZED
                  Code: 403 FORBIDDEN
                  Code: 404 NOT FOUND
                  Content:
                  \label{eq:code} \begin{tabular}{lll} $\tt "code" : <integer>, "error" : <integer>, "devmsg" : <alphanumeric>\end{tabular}
Code example
                  $.ajax({
                    type : "GET",
                    url : "/v2/taskLists/47",
                    headers : {authToken : "gfUH43trfdkjg34"},
dataType : "json",
                    success : function(data) {
                      console.log(data);
                    },
                    error : function(data) {
                      console.log(data);
                  });
Notes
                  none
```

Table 54 Tasklist request

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2.5.3.1.44 Update a Tasklist

Title	Update a particular tasklist				
URL	/v2/tasksLists/:id				
Header attributes	Attribute	Required?	Example		
	authToken	yes	authToken=gfUH43trfdkjg34		
Method	POST				
URL	Parameter	Required?	Example		
parameters	id : <integer></integer>	yes	/734		
Data	{ "title" : <alphan th="" }<=""><th>umeric></th><th></th></alphan>	umeric>			
Success response	Code: 200 OK Content: {"code" : 200, "entity" : <tasklist>, "devmsg" : "success"}</tasklist>				
Error response	Code: 400 BAD REQUEST Code: 401 UNAUTHORIZED Code: 403 FORBIDDEN Content: {"code" : <integer>, "error" : <integer>, "devmsg" : <alphanumeric>}</alphanumeric></integer></integer>				
Code example	<pre>\$.ajax({ type : "POST", url : "/v2/taskLists/734", headers : {authToken : "gfUH43trfdkjg34"}, dataType : "json", contentType : "application/json", data : JSON.stringify({ "title" : "IBM EMEA" }), success : function(data) { console.log(data); }, error : function(data) { console.log(data); } });</pre>				
Notes	none				

Table 55 Tasklist update

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2.5.3.1.45 Delete a Tasklist

Title	Deletes the task list defined by the id path parameter.				
URL	/v2/taskLists/:id				
Header attributes	Attribute	Required?	Example		
difficult	authToken	yes	authToken=gfUH43trfdkjg34		
Method	DELETE				
URL parameters	Parameter	Required?	Example		
parameters	id : <integer></integer>	yes	/481		
Data	none				
Success response	Code: 200 OK Content: {"code" : 204, "devmsg" : "success"}				
Error response	Code: 401 UNAUTHORIZED Code: 403 FORBIDDEN Content: {"code" : <integer>, "error" : <integer>, "devmsg" : <alphanumeric>}</alphanumeric></integer></integer>				
Code example	<pre>\$.ajax({ type : "DELETE", url : "/v2/taskLists/481", headers : {authToken : "gfUH43trfdkjg34"}, dataType : "json", success : function(data) { console.log(data); }, error : function(data) { console.log(data); } });</pre>				
Notes	none				

Table 56 Tasklist deletion

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2.5.3.1.46 Create Deal

Title	Create a deal					
URL	/v2/deals					
Header	Attribute	Required?	Example			
attributes	authToken yes authToken=gfUH43trfdkjg34					
Method	PUT					
URL parameters	none					
Data	<pre>{ "name" : <alphanumeric>, "value" : <integer>, "currency" : <alphanumeric>, "hot" : <boolean>, "relatedTo" : { "id" : <integer> }, "source" : <enum(website,referral,word_of_mouth,cold_call)>, "stage" : <enum(incoming,qualified,quote,closing,won,lost,unqualified)> }</enum(incoming,qualified,quote,closing,won,lost,unqualified)></enum(website,referral,word_of_mouth,cold_call)></integer></boolean></alphanumeric></integer></alphanumeric></pre>					
Success response	Code: 201 CREATED Content: {"code" : 201, "entity" : <deal>, "devmsg" : "success"}</deal>					
Error response	Code: 400 BAD REQUEST Code: 401 UNAUTHORIZED Code: 403 FORBIDDEN Content: {"code" : <integer>, "error" : <integer>, "devmsg" : <alphanumeric>}</alphanumeric></integer></integer>					
Code example	<pre>\$.ajax({ type : "PUT", url : "/v2/deals headers : {authT dataType : "json contentType : "a data : JSON.stri "name" : "Appl "value" : 1000 "currency" : " "hot" : yes, "relatedTo" : "source" : "wo "stage" : "inc })</pre>	oken : "gfU", pplication/ ngify({ e Deal", 00, USD", { "id" : 31 rd_of_mouth	json", 7 },			

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```
success : function(data) {
    console.log(data);
},
error : function(data) {
    console.log(data);
}
});
Notes
none
```

Table 57 Deals creation



2.5.3.1.47 Read a List of Deals

Title						
IIIIe	Returns all the deals associated to the requesting user					
URL	/v2/deals?callback=:c	callbac	:k			
Header attributes	Attribute Requ		uired? Example			
	authToken	yes		auth	nToken=gfUH43trfdkjg34	
Method	GET					
URL parameters	Parameter		Requi	red?	Example	
parameters	callback : <string></string>		no		?callback=jsonpcallback	
Data	none					
Success response	<pre>Code: 200 OK Content: [{ "id" : <integer>, "name" : <alphanumeric>, "value" : <integer>, "currency" : <alphanumeric>, "hot" : <boolean>, "relatedTo" : { "id" : <integer>, "name" : <alphanumeric> }, "source" : <enum(website, referral,word_of_mouth,cold_call)="">, "stage" : <enum(incoming,qualified,quote,closing,won,lost,unqualified)>,)> }]</enum(incoming,qualified,quote,closing,won,lost,unqualified)></enum(website,></alphanumeric></integer></boolean></alphanumeric></integer></alphanumeric></integer></pre>					
Error response	Code: 401 UNAUTHORIZED Content: {"code" : <integer>, "error" : <integer>, "devmsg" : <alphanumeric>}</alphanumeric></integer></integer>					
Code example	<pre>\$.ajax({ type : "GET", url : "/v2/deals", headers : {authToken : "gfUH43trfdkjg34"}, dataType : "json", success : function(data) { console.log(data); }, error : function(data) { console.log(data); } });</pre>					
Notes	none					

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Table 58 Deal list request

2.5.3.1.48 Read a List of Deals Associated with a Contact

Title	Retrieve a list of deals associated with a particular contact					
URL	/v2/contacts/:id/deals?callback=:callback					
Header	Attribute	Required?	Example			
attributes	authToken	yes	authToken=gfUH43trfdkjg34			
Method	GET					
URL	Parameter	Required?	Example			
parameters	id : <integer></integer>	Yes	/517/			
	callback : <string></string>	No	?callback=jsonpcallback			
Data	none					
Success response	<pre>Code: 200 OK Content: [{ "id" : <integer>, "name" : <alphanumeric>, "value" : <integer>, "currency" : <alphanumeric>, "hot" : <boolean>, "relatedTo" : { "id" : <integer>, "name" : <alphanumeric> }, "source" : <enum(website,referral,word_of_mouth,cold_call)>, "stage" : <enum(incoming,qualified,quote,closing,won,lost,unqualified)> }]</enum(incoming,qualified,quote,closing,won,lost,unqualified)></enum(website,referral,word_of_mouth,cold_call)></alphanumeric></integer></boolean></alphanumeric></integer></alphanumeric></integer></pre>					
Error response	Code: 401 UNAUTHORIZED Code: 403 FORBIDDEN Code: 404 NOT FOUND Content: {"code" : <integer>, "error" : <integer>, "devmsg" : <alphanumeric>}</alphanumeric></integer></integer>					
Code example	<pre>\$.ajax({ type : "GET", url : "/v2/contacts/517/deals", headers : {authToken : "gfUH43trfdkjg34"}, dataType : "json", success : function(data) {</pre>					

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```
console.log(data);
},
error : function(data) {
   console.log(data);
}
});
Notes
none
```

Table 59 Deal list request - associated with a contact



2.5.3.1.49 Read a Deal

Title	Retrieve data of a particular deal					
URL	/v2/deal/:id?callback=:callback					
Header	Attribute	Required?	Example			
attributes	authToken	yes	authToken=gfUH43trfdkjg34			
Method	GET					
URL	Parameter	Required?	Example			
parameters	<pre>id : <integer> callback : <string></string></integer></pre>	Yes No	/587 ?callback=jsonpcallback			
Data	none					
Success response	Code: 200 OK					
	<pre>"id" : <integer>, "name" : <alphanumeric>, "value" : <integer>, "currency" : <alphanumeric>, "hot" : <boolean>, "relatedTo" : { "id" : <integer>, "name" : <alphanumeric>, "name" : <alphanumeric>, "source" : <enum(website,referral,word_of_mouth,cold_call)>, "stage" : <enum(incoming,qualified,quote,closing,won,lost,unqualified)> }</enum(incoming,qualified,quote,closing,won,lost,unqualified)></enum(website,referral,word_of_mouth,cold_call)></alphanumeric></alphanumeric></integer></boolean></alphanumeric></integer></alphanumeric></integer></pre>					
Error response	Code: 400 BAD REQUEST Code: 401 UNAUTHORIZED Code: 403 FORBIDDEN					
	{"code" : <integer>, "error" : <integer>, "devmsg" : <alphanumeric>}</alphanumeric></integer></integer>					
Code example	<pre>\$.ajax({ type : "GET", url : "/v2/deals/587", headers : {authToken : "gfUH43trfdkjg34"}, dataType : "json", success : function(data) { console.log(data); }, error : function(data) { console.log(data); } });</pre>					
Notes	none					

Table 60 Deal request

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2.5.3.1.50 Update a Deal

Title	Update a particular deal						
URL	/v2/deals/:id						
Header attributes	Attribute	Required?	Example				
	authToken	yes	authToken=gfUH43trfdkjg34				
Method	POST						
URL parameters	Parameter	Required?	Example				
parameters	id : <integer></integer>	yes	/3812				
Dała	<pre>{ "name" : <alphanumeric>, "value" : <integer>, "currency" : <alphanumeric>, "hot" : <boolean>, "relatedTo" : { "id" : <integer> }, "source" : <enum(website,referral,word_of_mouth,cold_call)>, "stage" : <enum(incoming,qualified,quote,closing,won,lost,unqualified)>,)> }</enum(incoming,qualified,quote,closing,won,lost,unqualified)></enum(website,referral,word_of_mouth,cold_call)></integer></boolean></alphanumeric></integer></alphanumeric></pre>						
Success response	Code: 200 OK Content: {"code" : 200, "entity" : <deal>, "devmsg" : "success"}</deal>						
Error response	Code: 400 BAD REQUEST Code: 401 UNAUTHORIZED Code: 403 FORBIDDEN Content: {"code" : <integer>, "error" : <integer>, "devmsg" : <alphanumeric>}</alphanumeric></integer></integer>						
Code example	<pre>\$.ajax({ type : "POST", url : "/v2/deals headers : {authT dataType : "json contentType : "a data : JSON.stri "name" : "xail "value" : 1555 "currency" : " "hot" : yes, "relatedTo" : "source" : "wo "stage" : "qua</pre>	oken : "gfU", pplication/ ngify({ abs interac 000, EUR", { "id" : 38 rd_of_mouth	<pre>json", t.io", },</pre>				

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```
})
success : function(data) {
   console.log(data);
},
error : function(data) {
   console.log(data);
}
});
Notes
none
```

Table 61 Deal update



2.5.3.1.51 Delete Deals

Title	Delete deals with the given ids				
URL	/v2/deals?ids=:ids				
Header attributes	Attribute	Required?	Example		
difficults	authToken	yes	authToken=gfUH43trfdkjg34		
Method	DELETE				
URL parameters	Parameter	Required?	Example		
parameters	ids : [<integer>]</integer>	Yes	ids=56,2731,894		
Data	none				
Success response	Code: 200 OK Content: {"code" : 204, "devmsg" : "success"}				
Error response	Code: 400 BAD REQUEST Code: 401 UNAUTHORIZED Code: 403 FORBIDDEN Content: {"code" : <integer>, "error" : <integer>, "devmsg" : <alphanumeric>}</alphanumeric></integer></integer>				
Code example	<pre>\$.ajax({ type : "DELETE", url : "/v2/deals?ids=56,2731,894", headers : {authToken : "gfUH43trfdkjg34"}, dataType : "json", success : function(data) { console.log(data); }, error : function(data) { console.log(data); } }</pre>				
Notes	none				

Table 62 Deals deletion



2.5.3.1.52 Delete a Deal

Title	Delete a particular deal				
URL	/v2/deals/:id				
Header attributes	Attribute	Required?	Example		
	authToken	yes	authToken=gfUH43trfdkjg34		
Method	DELETE				
URL parameters	Parameter	Required?	Example		
parameters	id : <integer></integer>	yes	/122		
Data	none				
Success response	Code: 200 OK Content: {"code" : 204, "devmsg" : "success"}				
Error response	Code: 400 BAD REQUEST Code: 401 UNAUTHORIZED Code: 403 FORBIDDEN Content: {"code" : <integer>, "error" : <integer>, "devmsg" : <alphanumeric>}</alphanumeric></integer></integer>				
Code example	<pre>\$.ajax({ type : "DELETE", url : "/v2/deals/122", headers : {authToken : "gfUH43trfdkjg34"}, dataType : "json", success : function(data) { console.log(data); }, error : function(data) { console.log(data); } } </pre>				
Notes	none				

Table 63 Deal deletion

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2.5.3.1.53 Create User

Title	Croato given user	Create given user					
URL	/v2/admin/users						
Header attributes	Attribute	Required?	Example				
	authToken	yes	authToken=gfUH43trfdkjg34				
Method	PUT						
URL parameters	none						
Data	{ "email" : <alpha "companyid"="" "password"="" :="" <al="" <i="" th="" }<=""><th>phanumeric></th><th>,</th></alpha>	phanumeric>	,				
Success response	Code: 201 CREATED Content: {"code" : 201, "entity" : <user>, "devmsg" : "success"}</user>						
Error response	Code: 400 BAD REQUEST Code: 401 UNAUTHORIZED Code: 409 CONFLICT Content: {"code" : <integer>, "error" : <integer>, "devmsg" : <alphanumeric>}</alphanumeric></integer></integer>						
Code example	<pre>\$.ajax({ type : "PUT", url : "/v2/admin/users", headers : {authToken : "gfUH43trfdkjg34"}, dataType : "json", contentType : "application/json", data : JSON.stringify({ "email" : "John@gmail.com", "password" : "john04" }), success : function(data) { console.log(data); }, error : function(data) { console.log(data); } } </pre>						
Notes			eation. If not it can be given on update. However ed after it was set in the first time.				

Table 64 User creation



2.5.3.1.54 Read a List of Users

Title	Retrieve a list of users.				
URL	/v2/admin/users?callback=:callback				
Header	Attribute	Required?		Exar	nple
attributes	authToken	yes		auth	Token=gfUH43trfdkjg34
Method	GET				
URL parameters	Parameter		Requi	red?	Example
parameters	callback : <string></string>		no		?callback=jsonpcallback
Data	none				
Success response	<pre>Code: 200 OK Content: [{ "active" :</pre>				
Error response	Code: 401 UNAUTHORIZED Content: {"code" : <integer>, "error" : <integer>, "devmsg" : <alphanumeric>}</alphanumeric></integer></integer>				
Code example	<pre>{"code" : <integer>, "error" : <integer>, "devmsg" : <alphanumeric>} \$.ajax({ type : "GET", url : "/v2/admin/users", headers : {authToken : "gfUH43trfdkjg34"}, dataType : "json", success : function(data) { console.log(data); }, error : function(data) { console.log(data); } });</alphanumeric></integer></integer></pre>				

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Notes	none
-------	------

Table 65 User list request

2.5.3.1.55 Read a User

Title	Retrieve data about a particular user.					
URL	/v2/admin/users/:id?callback=:callback					
Header attributes	Attribute	Required?	Example			
diliboles	authToken	yes	authToken=gfUH43trfdkjg34			
Method	GET					
URL	Parameter	Required?	Example			
parameters	id : <integer></integer>	Yes	/587			
	callback : <string></string>	No	?callback=jsonpcallback			
Data	none					
Success response	<pre>Code: 200 OK Content: { "active" :</pre>					
Error response	Code: 401 UNAUTHORIZED Code: 404 NOT FOUND Content: {"code" : <integer>, "error" : <integer>, "devmsg" : <alphanumeric>}</alphanumeric></integer></integer>					
Code example	<pre>\$.ajax({ type : "GET", url : "/v2/admin/user headers : {authToken dataType : "json", success : function(da console.log(data); },</pre>	: "gfUH43tr	fdkjg34"},			

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```
error : function(data) {
                  console.log(data);
               });
Notes
               none
```

Table 66 Single user request

2.5.3.1.56 Delete Users

Title	Delete users with the given ids				
URL	/v2/admin/users?ids=:ids				
Header attributes	Attribute	Required?	Example		
diffibules	authToken	Yes	authToken=gfUH43trfdkjg34		
Method	DELETE				
URL	Parameter	Required?	Example		
parameters	ids : [<integer>]</integer>	Yes	ids=56,2731,894		
Data	none				
Success	Code: 200 OK				
response	{"code" : 204, "devmsg" : "success"}				
Error response	Code: 401 UNAUTHORIZED				
	Code: 403 FORBIDDEN				
	{"code" : <integer>, "error" : <integer>, "devmsg" : <alphanumeric>}</alphanumeric></integer></integer>				
Code example	<pre>\$.ajax({ type : "DELETE", url : "/v2/admin/users?ids=56,2731,894", headers : {authToken : "gfUH43trfdkjg34"}, dataType : "json", success : function(data) { console.log(data); }, error : function(data) { console.log(data); } });</pre>				
Notes	none				

Table 67 User deletion

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2.5.3.1.57 Delete a User

Title	Delete the user with the given id				
ille	Delete the user with the given id				
URL	/v2/admin/users/:id				
Header attributes	Attribute	Required?	Example		
difficult	authToken	yes	authToken=gfUH43trfdkjg34		
Method	DELETE				
URL parameters	Parameter	Required?	Example		
parameters	id : <integer></integer>	Yes	/734		
Data	none				
Success response	Code: 200 OK Content: {"code" : 204, "devmsg" : "success"}				
Error response	Code: 401 UNAUTHORIZED Code: 403 FORBIDDEN Content: {"code" : <integer>, "error" : <integer>, "devmsg" : <alphanumeric>}</alphanumeric></integer></integer>				
Code example	<pre>\$.ajax({ type : "DELETE", url : "/v2/admin/users/734", headers : {authToken : "gfUH43trfdkjg34"}, dataType : "json", success : function(data) { console.log(data); }, error : function(data) { console.log(data); } });</pre>				
Notes	none				

Table 68 User deletion

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2.5.3.1.58 Create a Company

Title	Create a customer company.				
URL	/v2/admin/companies				
Header attributes	Attribute	Required?	Example		
	authToken	yes	authToken=gfUH43trfdkjg34		
Method	PUT				
URL parameters	none				
Data	{ "name" : <alphanumeric> }</alphanumeric>				
Success response	Code: 201 CREATED Content: {"code" : 201, "entity" : <company>, "devmsg" : "success"}</company>				
Error response	Code: 400 BAD REQUEST Code: 401 UNAUTHORIZED Code: 403 FORBIDDEN Content: {"code" : <integer>, "error" : <integer>, "devmsg" : <alphanumeric>}</alphanumeric></integer></integer>				
Code example	<pre>\$.ajax({ type : "PUT", url : "/v2/companies", headers : {authToken : "gfUH43trfdkjg34"}, dataType : "json", contentType : "application/json", data : JSON.stringify({ "name" : "xailabs GmbH" }) success : function(data) { console.log(data); }, error : function(data) { console.log(data); } });</pre>				
Notes	none				

Table 69 Company creation

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2.5.3.1.59 Read a List Companies

Title	Retrieve a list of customer companies					
URL	/v2/admin/companies?callback=:callback					
Header attributes	Attribute	Required?	Example			
	authToken	yes	authToken=gfUH43trfdkjg34			
Method	GET					
URL parameters	Parameter	Required?	Example			
	callback : <string></string>	no	?callback=jsonpcallback			
Data	none					
Success response	<pre>Code: 200 OK Content: [{ "id" : <integer>, "name" : <alphanumeric>, "companyId" : <integer>, "users" : [{ "active" : <boolean>, "companyId" : <integer>, "dateCreated" : <integer>, "email" : <alphanumeric>, "groups" : [{</alphanumeric></integer></integer></boolean></integer></alphanumeric></integer></pre>					
Error response	Code: 401 UNAUTHORIZED Code: 403 FORBIDDEN Code: 404 NOT FOUND Content: {"code" : <integer>, "error" : <integer>, "devmsg" : <alphanumeric>}</alphanumeric></integer></integer>					
Code example	<pre>\$.ajax({ type : "GET", url : "/v2/contacts/517/deals", headers : {authToken : "gfUH43trfdkjg34"}, dataType : "json", success : function(data) { console.log(data); },</pre>					

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```
error : function(data) {
    console.log(data);
}
});

Notes

none
```

Table 70 Company list request

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2.5.3.1.60 Read a Company

Title	Retrieve data about a particular company.			
URL	/v2/admin/companies/:id?callback=:callback			
Header attributes	Attribute	Required?	Example	
dillibules	authToken	yes	authToken=gfUH43trfdkjg34	
Method	GET			
URL parameters	Parameter	Required?	Example	
parameters	id : <integer></integer>	Yes	/552	
	callback : <string></string>	No	?callback=jsonpcallback	
Data	none			
Success response	<pre>Code: 200 OK Content: { "id" : <integer>, "name" : <alphanumeric>, "companyId" : <integer>, "users" : [{</integer></alphanumeric></integer></pre>			
Error response	Code: 401 UNAUTHORIZED Code: 404 NOT FOUND Content: {"code" : <integer>, "error" : <integer>, "devmsg" : <alphanumeric>}</alphanumeric></integer></integer>			
Code example	<pre>\$.ajax({ type : "GET", url : "/v2/admin/comp headers : {authToken dataType : "json", success : function(da console.log(data); },</pre>	: "gfUH43tr	Edkjg34"},	

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```
error : function(data) {
    console.log(data);
}
});

Notes

none
```

Table 71 Single company request

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2.5.3.1.61 Delete Companies

Title	Delete companies with the given ids			
URL	/v2/admin/companies?ids=:ids			
Header attributes	Attribute	Required?	Example	
dimboles	authToken	yes	authToken=gfUH43trfdkjg34	
Method	DELETE			
URL parameters	Parameter	Required?	Example	
parameters	ids : [<integer>]</integer>	Yes	ids=456,84,654	
Data	none			
Success response	Code: 200 OK Content: {"code" : 204, "devmsg" : "success"}			
Error response	Code: 400 BAD REQUEST Code: 401 UNAUTHORIZED Code: 403 FORBIDDEN Content: {"code" : <integer>, "error" : <integer>, "devmsg" : <alphanumeric>}</alphanumeric></integer></integer>			
Code example	<pre>\$.ajax({ type : "DELETE", url : "/v2/admin/companies?ids=456,84,654", headers : {authToken : "gfUH43trfdkjg34"}, dataType : "json", success : function(data) { console.log(data); }, error : function(data) { console.log(data); } });</pre>			
Notes	none			

Table 72 Companies deletion

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2.5.3.1.62 Create a Group

Title	Create a group for sharing contacts with users.				
URL	/v2/admin/groups				
Header	Attribute	Required?	Example		
attributes	authToken	yes	authToken=gfUH43trfdkjg34		
Method	PUT				
URL parameters	none				
Data	{ "name" : <alphan "companyid"="" :="" <i="" th="" }<=""><th></th><th></th></alphan>				
Success response	Code: 201 CREATED Content: {"code" : 201, "entity" : <group>, "devmsg" : "success"}</group>				
Error response	Code: 400 BAD REQUEST Code: 401 UNAUTHORIZED Code: 403 FORBIDDEN Content: {"code" : <integer>, "error" : <integer>, "devmsg" : <alphanumeric>}</alphanumeric></integer></integer>				
Code example	<pre>\$.ajax({ type : "PUT", url : "/v2/admin/groups", headers : {authToken : "gfUH43trfdkjg34"}, dataType : "json", contentType : "application/json", data : JSON.stringify({ "name" : "Sales dept.", "companyId" : 12 }) success : function(data) { console.log(data); }, error : function(data) { console.log(data); } });</pre>				
Notes	none				

Table 73 Group creation

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2.5.3.1.63 Read a List of Groups Associated with a Company

Title	Retrieve a list of groups associated with a particular company					
URL	/v2/admin/companies/:id/groups?callback=:callback					
Header attributes	Attribute Required? Example					
umboics	authToken	yes	authToken=gfUH43trfdkjg34			
Method	GET					
URL parameters	Parameter	Required?	Example			
parameters	id : <integer></integer>	Yes	/758/			
	callback : <string></string>	No	?callback=jsonpcallback			
Data	none					
Success response	<pre>Code: 200 OK Content: [{ "id" : <integer>, "name" : <alphanumeric>, "companyId" : <integer>, "users" : [{ "active" : <boolean>, "companyId" : <integer>, "dateCreated" : <integer>, "email" : <alphanumeric>, "groups" : [{ "id" : <integer>, "name" : <alphanumeric> }], "id" : <integer>, "interactionsCount" : <integer>, "roles" : [<alphanumeric>] }] }</alphanumeric></integer></integer></alphanumeric></integer></alphanumeric></integer></integer></boolean></integer></alphanumeric></integer></pre>					
Error response	Code: 401 UNAUTHORIZED Code: 403 FORBIDDEN Code: 404 NOT FOUND Content: {"code" : <integer>, "error" : <integer>, "devmsg" : <alphanumeric>}</alphanumeric></integer></integer>					
Code example	<pre>\$.ajax({ type : "GET", url : "/v2/admin/com headers : {authToken dataType : "json", success : function(d</pre>	ı: "gfUH43tr				

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```
console.log(data);
                       error : function(data) {
  console.log(data);
                    });
Notes
                    none
```

Table 74 Group list request - associated with a company



2.5.3.1.64 Read a Group

Title	Retrieve data about a particular group.				
URL	/v2/admin/groups/:id?callbo	ack=:callback			
Header attributes	Attribute	Example			
	authToken	yes	authToken=gfUH43trfdkjg34		
Method	GET				
URL parameters	Parameter	Required?	Example		
parameters	id : <integer></integer>	Yes	/875		
	callback : <string></string>	No	?callback=jsonpcallback		
Data	none				
Success response	<pre>Code: 200 OK Content: { "id" : <integer>, "name" : <alphanumeric>, "companyId" : <integer>, "users" : [{</integer></alphanumeric></integer></pre>				
Error response	Code: 401 UNAUTHORIZED Code: 404 NOT FOUND Content: {"code" : <integer>, "error" : <integer>, "devmsg" : <alphanumeric>}</alphanumeric></integer></integer>				
Code example	<pre>\$.ajax({ type : "GET", url : "/v2/admin/grou headers : {authToken dataType : "json", success : function(da console.log(data); },</pre>	: "gfUH43tr	fdkjg34"},		

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```
error : function(data) {
    console.log(data);
}
});

Notes none
```

Table 75 Single group request



2.5.3.1.65 Update a Group

Title	Update a particular group				
IIIIe	opadie a particular group				
URL	/v2/admin/groups/:id				
Header attributes	Attribute	Required?	Example		
dimboles	authToken	yes	authToken=gfUH43trfdkjg34		
Method	POST				
URL parameters	Parameter	Required?	Example		
parameters	id : <integer></integer>	yes	/46		
Data	{ "name" : <alphanumeri th="" }<=""><th>c></th><th></th></alphanumeri>	c>			
Success	Code: 200 OK				
response	{"code" : 200, "entity"	' : <group>, "d</group>	evmsg" : "success"}		
Error response	Code: 400 BAD REQUEST Code: 401 UNAUTHORIZED Code: 403 FORBIDDEN {"code" : <integer>, "error" : <integer>, "devmsg" : <alphanumeric>}</alphanumeric></integer></integer>				
Code example	<pre>\$.ajax({ type : "POST", url : "/v2/admin/group/46", headers : {authToken : "gfUH43trfdkjg34"}, dataType : "json", contentType : "application/json", data : JSON.stringify({ "name" : "sales department" }) success : function(data) { console.log(data); }, error : function(data) { console.log(data); }, }</pre>				
Notes	none				

Table 76 Group update

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2.5.3.1.66 Delete Groups

Title	Delete groups with the given ids			
URL	/v2/admin/groups?ids=:ids			
Header attributes	Attribute	Required?	Example	
	authToken	yes	authToken=gfUH43trfdkjg34	
Method	DELETE			
URL parameters	Parameter	Required?	Example	
parameters	ids : [<integer>]</integer>	Yes	ids=56,2731,894	
Data	none			
Success response	Code: 200 OK Content: {"code" : 204, "devmsg" : "success"}			
Error response	Code: 400 BAD REQUEST Code: 401 UNAUTHORIZED Code: 403 FORBIDDEN Content: {"code" : <integer>, "error" : <integer>, "devmsg" : <alphanumeric>}</alphanumeric></integer></integer>			
Code example	<pre>\$.ajax({ type : "DELETE", url : "/v2/admin/groups?ids=56,2731,894", headers : {authToken : "gfUH43trfdkjg34"}, dataType : "json", success : function(data) { console.log(data); }, error : function(data) { console.log(data); } }</pre>			
Notes	none			

Table 77 Groups deletion

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2.5.3.1.67 Delete a Group

Title	Delete a particular group				
URL	/v2/admin/groups/:id				
Header attributes	Attribute	Required?	Example		
dimboles	authToken	yes	authToken=gfUH43trfdkjg34		
Method	DELETE				
URL parameters	Parameter	Required?	Example		
parameters	id : <integer></integer>	yes	/289		
Data	none				
Success response	Code: 200 OK Content: {"code" : 204, "devmsg" : "success"}				
Error response	Code: 400 BAD REQUEST Code: 401 UNAUTHORIZED Code: 403 FORBIDDEN Content: {"code" : <integer>, "error" : <integer>, "devmsg" : <alphanumeric>}</alphanumeric></integer></integer>				
Code example	<pre>\$.ajax({ type : "DELETE", url : "/v2/admin/groups/289", headers : {authToken : "gfUH43trfdkjg34"}, dataType : "json", success : function(data) { console.log(data); }, error : function(data) { console.log(data); } });</pre>				
Notes	none				

Table 78 Group deletion

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2.5.3.1.68 Register a Device

Title	Registers a new device for push notifications.					
URL	/v2/devices					
Header	Attribute Required? Example					
attributes	authToken	Yes	authToken=gfUH43trfdkjg34			
Method	PUT					
URL Parameters	none					
Data	<pre>{ "active" : <boolean>, "decoded" : <boolean>, "deviceId" : <alphanumeric>, "name" : <alphanumeric> }</alphanumeric></alphanumeric></boolean></boolean></pre>					
Success response	Code: 201 CREATED					
response	{"code" : 201, "entity" : <devi< td=""><th>ice>, "devmsg"</th><td>: "success"}</td></devi<>	ice>, "devmsg"	: "success"}			
Error response	Code: 400 BAD REQUEST					
	Code: 401 UNAUTHORIZED					
	Code: 403 FORBIDDEN {"code" : <integer>, "error" : <integer>, "devmsg" : <alphanumeric>}</alphanumeric></integer></integer>					
Code example	<pre>\$.ajax({ type : "PUT", url : "/v2/devices", headers : {authToken : "gfUH43trfdkjg34"}, dataType : "json", contentType : "application/json", data : JSON.stringify({ "deviceId" : "6g79bcd2b124bcd835a0769cas3f9b12bbd2b8a779f7fde29b7c11897dcff4q8", "name" : "Ipad 2", "decoded" : true, "active" : true }), success : function(data) { console.log(data); }, error : function(data) { console.log(data); } } </pre>					
Notes		haracters rep	coded string of the raw-byte-data or as resenting the 8 octets of the deviceId). If te must be set to TRUE.			

Table 79 Register a device

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2.5.3.1.69 Read a List of Devices

Title	Read a list of devices.			
URL	/v2/devices?callback=:callback			
Header attributes	Attribute	Required?	Example	
dillipoles	authToken	Yes	authToken=gfUH43trfdkjg34	
Method	GET			
URL	Parameter	Required?	Example	
parameters	callback : <string></string>	no	?callback=jsonpcallback	
Data	none			
Success response	Code: 200 OK			
response	<pre>[{ "id" : <integer>, "active" : <boolean>, "deviceId" : <alphanumeric>, "name" : <alphanumeric> }]</alphanumeric></alphanumeric></boolean></integer></pre>			
Error response	Code: 401 UNAUTHORIZED			
	{"code" : <integer>, "error" : <integer>, "devmsg" : <alphanumeric>}</alphanumeric></integer></integer>			
Code example	<pre>\$.ajax({ type : "GET", url : "/v2/devices", headers : {authToken : "gfUH43trfdkjg34"}, dataType : "json", success : function(data) { console.log(data); }, error : function(data) { console.log(data); } });</pre>			
Notes	none			

Table 80 Read a list of Devices

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2.5.3.1.70 Update a Device

Title	Update a registered device					
URL	/v2/devices/:id					
Header	Attribute	Example				
attributes	authToken		Yes	vired?	authToken=gfUH43trfdkjg34	
Method	POST		l			
URL	Parameter	Requir	ed?	Examp	ple	
parameters	id : <integer></integer>	yes		/31		
Data	{ "name" : <alphan "active"="" :="" <bool="" th="" }<=""><th></th><th>> ,</th><th></th><th></th></alphan>		> ,			
Success response	Code: 200 OK Content: {"code" : 200, "entity" : <device>, "devmsg" : "success"}</device>					
Error response	Code: 400 BAD REQUEST Code: 401 UNAUTHORIZED Code: 403 FORBIDDEN Content: {"code" : <integer>, "error" : <integer>, "devmsg" : <alphanumeric>}</alphanumeric></integer></integer>					
Code example	<pre>\$.ajax({ type : "POST", url : "/v2/devices/31", headers : {authToken : "gfUH43trfdkjg34"}, dataType : "json", contentType : "application/json", data : JSON.stringify({ "name" : "Ipad 2", "active" : false }), success : function(data) { console.log(data); }, error : function(data) { console.log(data); } });</pre>					
Notes	none					

Table 81 Update a device



2.5.3.1.71 Delete a Device

Title	Delete a device				
URL	/v2/devices/:id				
Header attributes	Attribute	Required?	Example		
dilibules	authToken	Yes	authToken=gfUH43trfdkjg34		
Method	DELETE				
URL parameters	Parameter	Required	Example		
parameters	id : <integer></integer>	Yes	/3		
Data	none				
Success	Code: 200 OK				
response	{"code" : 204, "devmsg" : "succ	cess"}			
Error response	Code: 400 BAD REQUEST				
	Code: 401 UNAUTHORIZED				
	Code: 403 FORBIDDEN				
	{"code" : <integer>, "error" : <integer>, "devmsg" : <alphanumeric>}</alphanumeric></integer></integer>				
Code example	<pre>\$.ajax({ type : "DELETE", url : "/v2/devices/3", headers : {authToken : "gfUH43trfdkjg34"}, dataType : "json", success : function(data) { console.log(data); }, error : function(data) { console.log(data); } });</pre>				
Notes	none				

Table 82 Delete a device

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2.5.3.1.72 Create a Custom Field

Title	Create a custom field for an entity type.			
URL	/v2/admin/customFiel	ds		
Header attributes	Attribute	Required?	Example	
amibutes	authToken	yes	authToken=gfUH43trfdkjg34	
Method	PUT			
URL parameters	none			
Data	<pre>{ "companyId" : <integer>, "dataType" : <enum(varchar)>, "entityType" : <enuam(contact)>, "name" : <alphanumeric> }</alphanumeric></enuam(contact)></enum(varchar)></integer></pre>			
Success response	Code: 201 CREATED			
response	{"code" : 201, "entity" : <customfield>, "devmsg" : "success"}</customfield>			
Error response	Code: 400 BAD REQUEST			
	Code: 401 UNAUTHOR			
	Code: 403 FORBIDDEN			
	{"code" : <integer>, "error" : <integer>, "devmsg" : <alphanumeric>}</alphanumeric></integer></integer>			
Code example	<pre>\$.ajax({ type: "PUT", url: "/v2/customFields", headers: {authToken: "gfUH43trfdkjg34"}, dataType: "json", contentType: "application/json", data: JSON.stringify({ "name": "family status", "dataType": "varchar", "entityType": "contact" }) success: function(data) { console.log(data); }, error: function(data) { console.log(data); } });</pre>			
Notes	For now only text fields with datatype varchar can be created for entities of type contact. If no companyld is given, the creating user must be a member of a company himself and his companyld will be used.			

Table 83 Custom field creation

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2.5.3.1.73 Read a List of Custom Fields Associated with a Company

Title	Retrieve a list of custom fields associated with a company.				
URL	/v2/admin/company/:id/customFields?entityType=:type&callback=:callback				
Header attributes	Attribute	Required?	Example		
dilibules	authToken	yes	authToken=gfUH	43trfdkjg34	
Method	GET		•		
URL	Parameter		Required?	Example	
parameters	<pre>id : <integer> type : <alphanumeric> callback : <string></string></alphanumeric></integer></pre>		yes no no	/23 ?entityType=contact &callback=jsonpcallback	
Data	none				
Success response	Code: 200 OK				
	<pre>[{ "id" : <integer>, "dataType" : <enuam(varchar)>, "entityType" : <enuam(contact)>, "name" : <alphanumeric> }]</alphanumeric></enuam(contact)></enuam(varchar)></integer></pre>				
Error response	Code: 400 BAD REQUE	Code: 400 BAD REQUEST			
	Code: 401 UNAUTHORIZED				
	Code: 403 FORBIDDEN				
	{"code" : <integer>, "e</integer>	error" : <integ< th=""><td>ger>, "devmsg" :</td><td><alphanumeric>}</alphanumeric></td></integ<>	ger>, "devmsg" :	<alphanumeric>}</alphanumeric>	
Code example	<pre>{"code" : <integer>, "error" : <integer>, "devmsg" : <alphanumeric>} \$.ajax({ type : "GET", url : "/v2/admin/customFields?offset=0&limit=25", headers : { authToken : "gfUH43trfdkjg34" }, dataType : "json", success : function(data) { console.log(data); }, error : function(data) { console.log(data); } });</alphanumeric></integer></integer></pre>				
Notes	response will contain a	according len	gth and starting	. If both are specified, the dex attributes as well as an er there are more custom fields	
		nly supported	entity type is "c	om fields for a particular type of ontact" – so setting a different	

Table 84 Custom field list request – associated with a company

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2.5.3.1.74 Read a Custom Field

Title	Retrieve data of a particular custom field		
URL	/v2/admin/customFields/:id?callback=:callback		
Header	Attribute	Required?	Example
attributes	authToken	yes	authToken=gfUH43trfdkjg34
Method	GET	-	
URL	Parameter	Required?	Example
parameters	<pre>id : <integer> callback : <string></string></integer></pre>	Yes No	/261 ?callback=jsonpcallback
Data	none		
Success response	Code: 200 OK		
response	<pre>{ "id" : <integer>, "dataType" : <enuam(varchar)>, "entityType" : <enuam(contact)>, "name" : <alphanumeric> }</alphanumeric></enuam(contact)></enuam(varchar)></integer></pre>		
Error response	Code: 400 BAD REQUEST Code: 401 UNAUTHORIZED Code: 403 FORBIDDEN {"code" : <integer>, "error" : <integer>, "devmsg" : <alphanumeric>}</alphanumeric></integer></integer>		
Code example	<pre>{"code" : <integer>, "error" : <integer>, "devmsg" : <alphanumeric>} \$.ajax({ type : "GET", url : "/v2/admin/customFields/261", headers : {authToken : "gfUH43trfdkjg34"}, dataType : "json", success : function(data) { console.log(data); }, error : function(data) { console.log(data); } });</alphanumeric></integer></integer></pre>		
Notes	none		

Table 85 Custom field request

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2.5.3.1.75 Update a Custom Field

Title	Update a particular custom field.			
URL	/v2/admin/customFields/:id			
Header	Attribute	Required?	Example	
attributes	authToken	yes	authToken=gfUH43trfdkjg34	
Method	POST			
URL	Parameter	Required?	Example	
parameters	id : <integer></integer>	yes	/463	
Data	{ "name" : <alphanumeri th="" }<=""><th>c></th><th></th></alphanumeri>	c>		
Success	Code: 200 OK			
response	{"code" : 200, "entity'	' : <customfiel< td=""><td>d>, "devmsg" : "success"}</td></customfiel<>	d>, "devmsg" : "success"}	
Error response	Code: 400 BAD REQUEST Code: 401 UNAUTHORIZED Code: 403 FORBIDDEN {"code" : <integer>, "error" : <integer>, "devmsg" : <alphanumeric>}</alphanumeric></integer></integer>			
Code example	<pre>\$.ajax({ type : "POST", url : "/v2/admin/customFields/463", headers : {authToken : "gfUH43trfdkjg34"}, dataType : "json", contentType : "application/json", data : JSON.stringify({ "name" : "hair color" }) success : function(data) { console.log(data); }, error : function(data) { console.log(data); }, }</pre>			
Notes	none			

Table 86 Custom field update

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2.5.3.1.76 Delete Custom Fields

Title	Delete custom fields with the given ids			
	<u> </u>			
URL	/v2/admin/customFields?ids	=:Ids		
Header attributes	Attribute	Required?	Example	
amboles	authToken	Yes	authToken=gfUH43trfdkjg34	
Method	DELETE			
URL parameters	Parameter	Required?	Example	
parameters	ids : [<integer>]</integer>	Yes	ids=371,455	
Data	none			
Success	Code: 200 OK			
response	{"code" : 204, "devmsg" : "su	uccess"}		
Error response	Code: 401 UNAUTHORIZED Code: 403 FORBIDDEN			
	{"code" : <integer>, "error" : <integer>, "devmsg" : <alphanumeric>}</alphanumeric></integer></integer>			
Code example	<pre>{"code" : <integer>, "error" : <integer>, "devmsg" : <alphanumeric>} \$.ajax({ type : "DELETE", url : "/v2/admin/customFields?ids=371,455", headers : {authToken : "gfUH43trfdkjg34"}, dataType : "json", success : function(data) { console.log(data); }, error : function(data) { console.log(data); } });</alphanumeric></integer></integer></pre>			
Notes	none			

Table 87 Custom fields deletion

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2.5.3.2 Extended functions

Extended functions are represented by a cmd query parameter.

2.5.3.2.1 Synchronize Offline Data

Title	Synchronize local DB with data from cloud DB.			
URL	/v2/sync?deviceId=:token&since=:time			
Header attributes	Attribute	Required?	Example	
dimboles	authToken	Yes	authToken=gfUH43trfdkjg34	
Method	GET			
URL parameters	Parameter	Required?	Example	
parameters	token : <alphanumeric></alphanumeric>	yes	?token=12345	
	time : <integer></integer>	no	&time=1366819829170	
Data	none			
Success response	<pre>Code: 200 OK Content: { "contacts" : [<contact>], "deals" : [<deal>], "interactions" : [<interaction>], "notes" : [<note>], "taskLists" : [<tasklist>], "tasks" : [<task], "deleted"="" "id"="" :="" <integer="" [{="">, "type" : <enum(contact,deal,interaction,note,tasklist,task)> }] }</enum(contact,deal,interaction,note,tasklist,task)></task],></tasklist></note></interaction></deal></contact></pre>			
Error response	Code: 400 BAD REQUEST Code: 401 UNAUTHORIZED Code: 403 FORBIDDEN Content: {"code" : <integer>, "error" : <integer>, "devmsg" : <alphanumeric>}</alphanumeric></integer></integer>			
Code example	<pre>\$.ajax({ type : "GET", url : "/v2/sync?device headers : {authToken : dataType : "json", success : function(datation) console.log(data); },</pre>	"gfUH43trfo	dkjg34"},	

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```
error : function(data) {
                      console.log(data);
                  });
                  The given deviceld must be a token formerly given to "
Notes
                  Register a Device".
                  The time parameter defines the start point from which to get changed data. It is
                  represented by the number of milliseconds since the standard base time known as
                  "the epoch", namely January 1, 1970, 00:00:00 GMT. If the time parameter is omitted
                  or it is set to a time after the last sync-time of the specified device, that last sync-time
                  is used instead.
```

Table 88 Synchronize offline data

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2.5.3.2.2 Wipe-out a User Account

Title	Wipe-out data of a particular user account		
URL	/v2/admin/users/:id?cmd=wipeAccount		
Header attributes	Attribute	Required?	Example
difficules	authToken	Yes	authToken=gfUH43trfdkjg34
Method	POST		
URL	Parameter	Required?	Example
parameters	id : <integer></integer>	yes	/23
Data	{} Or null		
Success	Code: 200 OK		
response	{"code" : 200, "devmsg" : "success"}		
Error response	Code: 400 BAD REQUEST Code: 401 UNAUTHORIZED Code: 403 FORBIDDEN		
	{"code" : <integer>, "error" : <integer>, "devmsg" : <alphanumeric>}</alphanumeric></integer></integer>		
Code example	<pre>\$.ajax({ type : "POST", url :"/v2/admin/users/23?cmd=wipeAccount", headers : {authToken : "gfUH43trfdkjg34"}, dataType : "json", contentType : "application/json", data : JSON.stringify({}), success : function(data) { console.log(data); }, error : function(data) { console.log(data); } });</pre>		
Notes	none		

Table 89 User account wipe-out

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2.5.3.2.3 Read a List of Contact Groups From an External System

Title	Read contact groups defined in an external system			
URL	/v2/import?cmd=getContactGrou	ps		
Header	Attribute	Required?	Example	
attributes	authToken	Yes	authToken=gfUH43trfdkjg34	
Method	POST			
URL parameters	none			
Data	{ "externalSystem" : "google", "username" : <alphanumeric>, "password" : <alphanumeric> }</alphanumeric></alphanumeric>			
Success	Code: 200 OK			
response	[{ "externalId" : <alphanumeric>, "name" : <alphanumeric> }]</alphanumeric></alphanumeric>			
Error response	Code: 401 UNAUTHORIZED			
	Code: 403 FORBIDDEN			
	Code: 503 SERVICE UNAVAILABLE			
	{"code" : <integer>, "error" : <int< th=""><th>eger>, "devmsg</th><th>" : <alphanumeric>}</alphanumeric></th></int<></integer>	eger>, "devmsg	" : <alphanumeric>}</alphanumeric>	
Code example	<pre>\$.ajax({ type : "POST", url : "/v2/import?cmd=getContactGroups", headers : {authToken : "gfUH43trfdkjg34"}, dataType : "json", contentType : "application/json", data : JSON.stringify({ "externalSystem" : "google", "username" : "john.doe@googlemail.com" "password" : "pa55w0rd" }), success : function(data) { console.log(data); }, error : function(data) { console.log(data); } });</pre>			
Notes	lds of returned data can be passe	d as query pa	irameters for "	
	Import Person Contacts".	al system is as	voglo (amail)	
	For now the only supported extern			

Table 90 External contact groups request

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2.5.3.2.4 Import Person Contacts

Title	Import contacts from an external system			
URL	/v2/import?cmd=importContacts&nameRequired=:reqN&phoneRequired=:reqP&ema ilRequired=:reqE&updated-min=:time&grouplds=:ids			
Header attributes	Attribute	Required?	Example	
dillibules	authToken	Yes	authToken=gfUH43trfdkjg34	
Method	POST			
URL parameters	Parameter	Required?	Example	
parameters	reqN : <boolean></boolean>	no	&nameRequired=1	
	reqP : <boolean></boolean>	no	&phoneRequired=0	
	reqE : <boolean></boolean>	no	&emailRequired=0	
	time : <datetime></datetime>	no	&updated-min=2012-12-31T00:00:00	
	ids : [<alphanumeric>]</alphanumeric>	no	&groupIds=dfdg4f,6get54,none	
Data	{ "externalSystem" : "google", "username" : <alphanumeric>, "password" : <alphanumeric> }</alphanumeric></alphanumeric>			
Success	Code: 200 OK			
response	<pre>{ "externalSystem" : "google", "externalSystemAccount" : <alphanumeric>, "importTime" : <integer>, "failed" : [<integer>], "created" : [<integer>], "updated" : [<integer>], "deleted" : [<integer>] }</integer></integer></integer></integer></integer></alphanumeric></pre>			
Error response	Code: 401 UNAUTHORIZED			
	Code: 403 FORBIDDEN			
	Code: 503 SERVICE UNAVAILA	BLE		
	{"code" : <integer>, "error" :</integer>	<integer>, "de</integer>	vmsg" : <alphanumeric>}</alphanumeric>	
Code example	<pre>\$.ajax({ type : "POST", url : "/v2/import?cmd=importC headers : {authToken : "gfUH4 dataType : "json", contentType : "application/js data : JSON.stringify({ "externalSystem" : "google" "username" : "john.doe@goog "password" : "pa55w0rd" }), success : function(data) { console.log(data); }, error : function(data) { console.log(data); }</pre>	Strfdkjg34"},	quired=1&groupIds=none",	

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	} });
Notes	Data returned by the failed array is not stored as contact data in the database. User is supposed to resolve these data and call create/update/merge later.
	As group ids you can pass values earlier retrieved by Synchronize Offline Data. In addition you can pass none as groupId to import contacts without any group membership in the external system.
	If the updated-min parameter is set, only contacts created or updated after the specified time (in UTC datetime format yyyy-MM-dd'T'HH:mm:ss.SSS'Z') will be downloaded. Note that if updated-min is not set, the default value is the last download time. In this case only contacts created or changed after the last download will be downloaded.
	For now the only supported external system is google (gmail).

Table 91 Person contacts import

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2.5.3.2.5 Find Duplicates of Basicinfos

Title	Find basicinfos, phone numbers especially, which are assigned to multiple contacts.			
URL	/v2/cleanup?cmd=getDuplicates			
Header	Attribute	Required?	Example	
attributes	authToken	Yes	authToken=gfUH43trfdkjg34	
Method	GET			
URL parameters	none			
Data	none			
Success	Code: 200 OK			
response	[<alphanumeric>]</alphanumeric>			
Error response	Code: 401 UNAUTHORIZED Code: 403 FORBIDDEN			
	{"code" : <integer>, "error" :</integer>	<integer>, "de</integer>	vmsg" : <alphanumeric>}</alphanumeric>	
Code example	<pre>\$.ajax({ type : "GET", url : "/v2/cleanup?cmd=getDuplicates", headers : {authToken : "gfUH43trfdkjg34"}, dataType : "json", success : function(data) { console.log(data); }, error : function(data) { console.log(data); } });</pre>			
Notes	Data returned contains all values which are assigned multiple times. The values may be assigned to actual contacts but also to failed imports. The values retrieved can passed to " Get Conflicted Contacts".			

Table 92 Find basicinfo duplicates

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2.5.3.2.6 Get Conflicted Contacts

Title	Return contacts having the same basicinfo value assigned.		
URL	/v2/cleanup?cmd=getConflicts&value=:value		
Header attributes	Attribute	Required?	Example
dillibules	authToken	Yes	authToken=gfUH43trfdkjg34
Method	GET		
URL parameters	Parameter	Required?	Example
parameters	value : <alphanumeric></alphanumeric>	yes	&value=+12025552846
Data	none		
Success response	Code: 200 OK		
response	{ "data" : [<object>] }</object>		
Error response	Code: 401 UNAUTHORIZED Code: 403 FORBIDDEN		
	{"code" : <integer>, "error" :</integer>	<integer>, "de</integer>	vmsg" : <alphanumeric>}</alphanumeric>
Code example	<pre>\$.ajax({ type : "GET", url : "/v2/cleanup?cmd=getConflicts&value=12025552846", headers : {authToken : "gfUH43trfdkjg34"}, dataType : "json", success : function(data) { console.log(data); }, error : function(data) { console.log(data); } });</pre>		
Notes	· · · · · · · · · · · · · · · · · · ·	_	s using projection=base (as described in "
	Read a Person Contact <u>"</u> , "Re	ad an Organiz	tation Contact <u>"</u> resp.)
	The user is supposed to merge pass the result to "	e the contact	data manually. Then the client should
	Merge Contact Data <u>"</u> .		
Table 93 Find conflic			

Table 93 Find conflicted contacts

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2.5.3.2.7 Merge Contact Data

Title	Merge contact data from diff	erent contact	s into one contact.						
URL	/v2/contacts?cmd=merge								
Header attributes	Attribute	Required?	Example						
difficules	authToken	Yes	authToken=gfUH43trfdkjg34						
Method	POST								
URL parameters	none								
Data	<pre>{ "contactIds" : [<integer>], "importContactIds" : [<intege "contact"="" :="" <contact=""> }</intege></integer></pre>	<pre>"importContactIds" : [<integer>], "contact" : <contact></contact></integer></pre>							
Success	Code: 200 OK								
response	{"code" : 200, "entity" : <cont< th=""><th>act>, "devmsg"</th><th>: "success"}</th></cont<>	act>, "devmsg"	: "success"}						
Error response	Code: 400 BAD REQUEST Code: 401 UNAUTHORIZED Code: 403 FORBIDDEN {"code" : <integer>, "error" : <integer>, "devmsg" : <alphanumeric>}</alphanumeric></integer></integer>								
Code example	<pre>\$.ajax({ type : "POST", url : "/v2/contacts?cmd=merge", headers : {authToken : "gfUH43trfdkjg34"}, dataType : "json", contentType : "application/json", data : JSON.stringify({ "contactIds" : [12], "importContactIds" : [11,23,32], "contact" : { "id" : 52, "version" : 4, "firstName" : "Remo", "basicInfos" : [</pre>								
Notes	All related entities (deals, interactions, notes, tasks) of the former separated contacts will be attached to the new merged contact. Contacts represented by the contactIds attribute will be deleted, imported contacts (which are non-active contacts) represented by the importContactsIds will be deleted as well. Those two attributes are supposed to reflect the contact data which has been merged into the new/updated contact represented by the contact attribute.								

Table 94 Merge contacts

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2.5.3.2.8 Share Contact With Group(s)

Title	Share contact data with one	or multiple gro	ups					
URL	/v2/contacts/:id?cmd=share&groups=:groups							
Header attributes	Attribute	Required?	Example					
dillibules	authToken	Yes	authToken=gfUH43trfdkjg34					
Method	POST							
URL	Parameter	Required?	Example					
parameters	<pre>id : <integer> groups : [<integer>]</integer></integer></pre>	yes <mark>yes</mark>	/31 &groups=12,32					
Data	{} Or null							
Success	Code: 200 OK							
response	{"code" : 200, "entity" : <contact>, "devmsg" : "success"}</contact>							
Error response	Code: 400 BAD REQUEST Code: 401 UNAUTHORIZED Code: 403 FORBIDDEN {"code" : <integer>, "error" : <integer>, "devmsg" : <alphanumeric>}</alphanumeric></integer></integer>							
Code example	<pre>\$.ajax({ type : "POST", url : "/v2/contacts/31?cmd=share&groups=12,32", headers : {authToken : "gfUH43trfdkjg34"}, dataType : "json", data : JSON.stringify({}), success : function(data) { console.log(data); }, error : function(data) { console.log(data); } });</pre>							
Notes	Sharing means that each user – even the sharing user himself – receives a shallow-copy of the shared contact. That's why the returned contact will have a different id . To share with all members of the company they have to be put into a group to share the contact with.							

Table 95 Share a contact

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2.5.3.2.9 Assign User Roles

Title	Assign roles to a user.						
URL	/v2/admin/users/:id/roles?cmd=:cmd						
Header attributes	Attribute	Required?	Example				
	authToken	Yes	authToken=gfUH43trfdkjg34				
Method	POST						
URL parameters	Parameter	Required?	Example				
purumerers	<pre>id : <integer> cmd : <enum(add,remove,set)></enum(add,remove,set)></integer></pre>	yes yes	/31 ?cmd=set				
Data	[<alphanumeric>]</alphanumeric>						
Success response	Code: 200 OK						
	<pre>"active": <boolean>, "companyId": <integer>, "dateCreated": <integer>, "email": <alphanumeric>, "groups": [{</alphanumeric></integer></integer></boolean></pre>						
Error response	Code: 400 BAD REQUEST						
	Code: 401 UNAUTHORIZED						
	Code: 403 FORBIDDEN						
Code example	<pre>{"code" : <integer>, "error" : <integer>, "devmsg" : <alphanumeric>} \$.ajax({ type : "POST", url : "/v2/admin/users/31/roles?cmd=set", headers : {authToken : "gfUH43trfdkjg34"}, dataType : "json", contentType : "application/json", data : JSON.stringify(["interact_admin", "customer_admin", "user"]), success : function(data) { console.log(data); }, error : function(data) { console.log(data); } });</alphanumeric></integer></integer></pre>						
Notes	The payload data of the request is ar	array of role	names.				

Table 96 Assign roles to user





2.5.3.2.10 Assign User Groups

Title	Assign groups to a user.						
URL	/v2/admin/users/:id/groups?cmd=:cm	nd					
Header attributes	Attribute	Required?	Example				
dilliboles	authToken	Yes	authToken=gfUH43trfdkjg34				
Method	POST						
URL parameters	Parameter	Required?	Example				
purumerers	<pre>id : <integer> cmd : <enum(add,remove,set)></enum(add,remove,set)></integer></pre>	yes yes	/31 ?cmd=set				
Data	[<integer>]</integer>						
Success response	Code: 200 OK						
	<pre>"active": <boolean>, "companyId": <integer>, "dateCreated": <integer>, "email": <alphanumeric>, "groups": [{ "id": <integer>, "name": <alphanumeric> }], "id": <integer>, "id": <integer>, "interactionsCount": <integer>, "roles": [<alphanumeric>] }</alphanumeric></integer></integer></integer></alphanumeric></integer></alphanumeric></integer></integer></boolean></pre>						
Error response	Code: 400 BAD REQUEST						
	Code: 401 UNAUTHORIZED Code: 403 FORBIDDEN						
		->, "devmsg" :	<alphanumeric>}</alphanumeric>				
Code example	<pre>{"code" : <integer>, "error" : <integer>, "devmsg" : <alphanumeric>} \$.ajax({ type : "POST", url : "/v2/admin/users/31/groups?cmd=add", headers : {authToken : "gfUH43trfdkjg34"}, dataType : "json", contentType : "application/json", data : JSON.stringify([12,453,28,199]), success : function(data) { console.log(data); }, error : function(data) { console.log(data); } }</alphanumeric></integer></integer></pre>						
Notes	The payload data of the request is ar	array of grou	p ids.				

Table 97 Assign groups to user

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2.5.3.2.11 Reset User Password

Title	Reset the password of a user.
URL	/v2/myAccount?cmd=resetPwd
Header Attributes	none
Method	POST
URL parameters	none
Data	{ "email" : <alphanumeric> }</alphanumeric>
Success	Code: 200 OK
response	{ "code" : 200, "devmsg" : "success" }
Error response	Code: 400 BAD REQUEST
	{ "code" : <integer>, "error" : <integer>, "devmsg" : <alphanumeric> }</alphanumeric></integer></integer>
Code example	<pre>\$.ajax({ type : "POST", url : "/v2/myAccount?cmd=resetPwd", dataType : "json", contentType : "application/json", data : JSON.stringify({ "email" : "test@interact.io" }), success : function(data) { console.log(data); }, error : function(data) { console.log(data); } }</pre>
Notes	none

Table 98 Reset the password of a user

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2.5.3.2.12 Change a User password

Title	Change the password of a suser.								
URL	/v2/myAccount?cmd=changePwd								
Header attributes	Attribute	Required?	Example						
uiiiibules	authToken	Yes	authToken=gfUH43trfdkjg34						
Method	POST								
URL parameters	none								
Data	{ "oldPassword" : <alphanumeric>, "newPassword" : <alphanumeric> }</alphanumeric></alphanumeric>	"oldPassword" : <alphanumeric>, "newPassword" : <alphanumeric></alphanumeric></alphanumeric>							
Success	Code: 200 OK								
response	{"code" : 200, "devmsg" : "success"}								
Error response	Code: 400 BAD REQUEST								
	{"code" : <integer>, "error" : <integer>, "devmsg" : <alphanumeric>}</alphanumeric></integer></integer>								
Code example	<pre>\$.ajax({ type : "POST", url : "/v2/myAccount?cmd=changePwd", dataType : "json", contentType : "application/json", data : JSON.stringify({ "oldPassword" : "bad",</pre>								
Notes	none								

Table 99 Change the password of a user

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2.6 Error codes

Besides the http failure code, error results of an API call always return a dedicated 14-digit error code for better error handling. The first quad (4 digits) represents the exception type. The second quad (3 digits) represents the action which caused the exception. The third quad represents the realm in which the action was (or was supposed to be) executed. The forth quad (4 digits) is used for further differentiation required by the Server. The following lists show possible error codes and their according meaning:

Error Code (Exception)		1)	Description	
9000	xxx	xxx	xxxx	General failure
9001	xxx	xxx	xxxx	Internal Server failure
9002	xxx	xxx	xxxx	External failure or Java core failure
9100	xxx	xxx	xxxx	Indicates a requested entity was not found
9101	xxx	xxx	xxxx	Indicates a requested address was not found
9102	xxx	xxx	xxxx	Indicates a requested basicinfo was not found
9103	xxx	xxx	xxxx	Indicates a requested company was not found
9104	xxx	xxx	xxxx	Indicates a requested contact was not found
9105	xxx	xxx	xxxx	Indicates a requested organization contact was not found
9106	xxx	xxx	xxxx	Indicates a requested person contact was not found
9107	xxx	xxx	xxxx	Indicates a requested deal was not found
9108	xxx	xxx	xxxx	Indicates a requested device was not found
9109	xxx	xxx	xxxx	Indicates a requested group was not found
9110	xxx	xxx	xxxx	Indicates a requested interaction was not found
9111	xxx	xxx	xxxx	Indicates a requested note was not found
9112	xxx	xxx	xxxx	Indicates a requested social profile or instant messenger profile was not found
9113	xxx	xxx	xxxx	Indicates a requested role was not found
9114	xxx	xxx	xxxx	Indicates a requested tag was not found
9115	xxx	xxx	xxxx	Indicates a requested task was not found
9116	xxx	xxx	xxxx	Indicates a requested tasklist was not found
9117	xxx	xxx	xxxx	Indicates a requested user was not found
9118	xxx	xxx	xxxx	Indicates a requested basicinfo variation was not found
9119	xxx	xxx	xxxx	Indicates a requested contact picture was not found
9200	xxx	xxx	xxxx	Data validation failure
9201	xxx	xxx	xxxx	Indicates invalid request data
9202	xxx	xxx	xxxx	Indicates missing mandatory request data
9300	xxx	xxx	xxxx	Bad request data
9301	xxx	xxx	xxxx	Indicates an attempt to assign one basicinfo to multiple contacts

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9302	xxx	xxx	xxxx	Indicates an attempt to register a device which is already registered
9303	xxx	xxx	xxxx	Indicates an attempt to assign an email address to multiple users
9304	xxx	xxx	xxxx	Indicates an attempt to update outdated data
9305	xxx	xxx	xxxx	Indicates an attempt to touch a contact picture from an external system
9306	xxx	xxx	xxxx	Indicates a requested report does not exist
9401	xxx	xxx	xxxx	Authentication failure
9402	xxx	xxx	xxxx	Indicates requesting user has no permission to execute request
9999	xxx	xxx	xxxx	Unhandled external failure or Java core failure

Table 100 Error codes (first quad)

Error C	Error Code (Action)			Description
xxxx	010	xxx	xxxx	View
xxxx	011	xxx	xxxx	Edit, Update
xxxx	012	xxx	xxxx	Create
xxxx	013	xxx	xxxx	Merge
xxxx	014	xxx	xxxx	Delete, Remove
xxxx	015	xxx	xxxx	Import
xxxx	016	xxx	xxxx	Share
xxxx	017	xxx	xxxx	Pull Synchronization Data
xxxx	018	xxx	xxxx	Bulk Push Synchronization Data
xxxx	019	xxx	xxxx	Open Websocket
xxxx	020	xxx	xxxx	Login
xxxx	021	xxx	xxxx	Logout
xxxx	022	xxx	xxxx	Erase, Reset, Wipe-Out, Zero

Table 101 Error codes (second quad)

Error Code (Realm)				Description
xxxx	xxx	000	xxxx	Activities
xxxx	xxx	040	xxxx	Authentication
xxxx	xxx	050	xxxx	Data Synchronization
xxxx	xxx	060	xxxx	Websocket
xxxx	xxx	090	xxxx	Data Cleanup
xxxx	xxx	100	xxxx	Contacts
xxxx	xxx	103	xxxx	Contact Relations
xxxx	xxx	104	xxxx	Contact Deals
xxxx	xxx	105	xxxx	Contact Interactions
xxxx	xxx	106	xxxx	Contact Notes

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xxxx	xxx	107	xxxx	Contact Profiles
xxxx	xxx	108	xxxx	Contact Searchterms
xxxx	xxx	109	xxxx	Contact Tags
xxxx	xxx	110	xxxx	Contact Tasks
xxxx	xxx	111	xxxx	Contact Import
xxxx	xxx	200	xxxx	Deals
xxxx	xxx	<mark>201</mark>	xxxx	Deal Notes
xxxx	xxx	202	xxxx	Deal Tasks
xxxx	xxx	300	xxxx	Tasks
xxxx	xxx	301	xxxx	Task Notes
xxxx	xxx	302	xxxx	Tasklists
xxxx	xxx	400	xxxx	Notes
xxxx	xxx	500	xxxx	Tags
xxxx	xxx	600	xxxx	Devices
xxxx	xxx	601	xxxx	Trigger Devices
xxxx	xxx	700	xxxx	Administration
xxxx	xxx	701	xxxx	Company Administration
xxxx	xxx	702	xxxx	Role Administration
xxxx	xxx	703	xxxx	User Administration
xxxx	xxx	704	xxxx	Group Administration
xxxx	xxx	705	xxxx	Custom field administration
xxxx	xxx	750	xxxx	My Account
xxxx	xxx	800	xxxx	Basicinfos
xxxx	xxx	900	xxxx	Interactions
T 1 1 10	12 Error oc		1 11	

Table 102 Error codes (third quad)

For your information here is the complete list of possible values for the forth quad:

1001
2001 2002 2003 2004 2005
3003
4003 4004
5001 5002 5003
6001 6002
7001 7002

Table 103 Error codes (forth quad)

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4 Attachments

- Javadoc