

# SENSORPRO REST API INTERFACE DOCUMENT

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## INTRODUCTION

The SensorPro API is a RESTful JSON-based API. Its functionality is exposed through well-defined web URLs that follow standard conventions using an easy-to-read data format. The relative simplicity of Rest APIs means we have made the decision not to support SOAP.

Values which need to be substituted into URLs will be denoted in square brackets.

**Important:** When planning to call SensorPro API ensure the process allows for the SensorPro API to be offline.

## DETERMINE THE SUCCESS OR FAILURE OF A SERVICE CALL

Determine the success of a request. Each response object contains a result object. The result object is used to determine if a request failed and to get any status messages which may be available for this request. The structure of the result object is shown below.

**TotalErrors:** Use this to determine if the request was successful. If this has a value > 0 the request failed.

**ErrorMessages:** This array contains the list of error messages for this request.

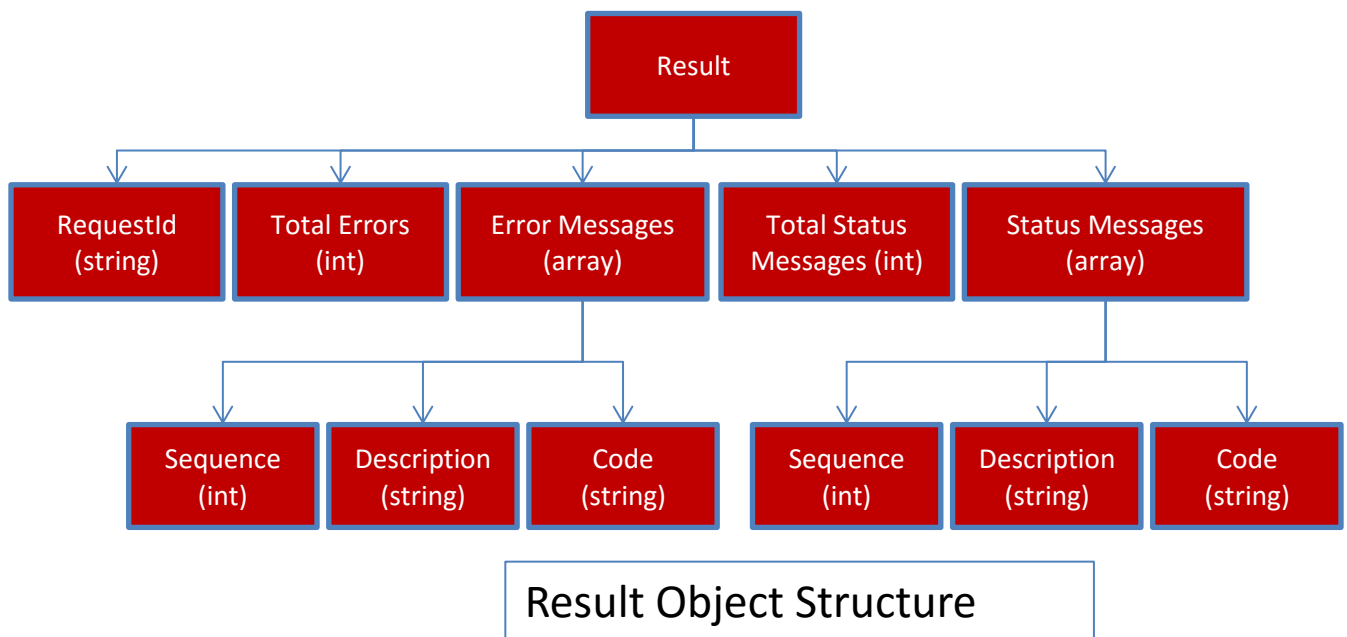
**TotalStatusMessages:** These are status messages which may be used for informational purposes and do not indicate an error.

**StatusMessages:** This array contains the list of status messages for this request.

**Sequence:** If this is a multi-operation service for example adding 10 records to the contact record. The stack of records being added will run from 0 to 9. If record 6 fails to add because the record already exists, the sequence number in the error collection would be 6.

**Description:** Description of error or status message.

**Code:** Status or error message code.



## Example Response

```
"Result": {  
  "RequestId": "00000000-0000-0000-0000-000000000000",  
  "ErrorMessages": [],  
  "StatusMessages": [],  
  "TotalStatusMessages": 0,  
  "TotalErrors": 0  
}
```

## AUTHENTICATION

### LOGIN:

The authorisation API must be called to get an access token which is then used to authenticate subsequent API calls. The API is locked down by IP address you will need to contact support to get your IP address whitelisted.

This should be the IP address of the machine where the API calls originate.

### AUTHENTICATION ENDPOINT:

- POST: [https://apinie.sensorpro.net/auth/sys/login/\[Organization\]/\[User\]/\[Password\]](https://apinie.sensorpro.net/auth/sys/login/[Organization]/[User]/[Password])
  - [Organization] - replace with your organization id
  - [User] - replace with your User ID, this **must** be an API user. This is a setting on the user profile. API users do not have access to the UI.
  - [Password] - replace your password

- Header Values:

Header	Example	Description
Content-Type	Content-Type: application/json;	
x-apikey	5F9B1BB2-1850-42A6-A6F7-7848B8D3708D	Retrieved from the organization screen use menu Admin   Edit Organization   Advanced tab

### AUTHENTICATION RESPONSE:

```
{  
  "ExpiresIn": 3618,  
  "APIEndpoint": "https://API_EndPoint_For_Your_Login",  
  "Token": "013f5b53-c1f2-47f9-9cd9-f0248da1e587",  
  "Result": {
```

```
"RequestId": "00000000-0000-0000-0000-000000000000",
"ErrorMessages": [

],
"StatusMessages": [

],
"TotalStatusMessages": 0,
"TotalErrors": 0
}
}
```

The access token is required on all subsequent API calls. The access token will no longer be valid after “ExpiresIn” seconds.

The APIEndpoint returned should be used for subsequent API calls.

## LOGOFF:

Logoff session.

### LOGOFF ENDPOINT:

- POST: [https://apinie.sensorpro.net/auth/sys/logoff/\[Token\]](https://apinie.sensorpro.net/auth/sys/logoff/[Token])
  - [Token] - replace with the access token returned by the login.
- Header Values:

Header	Example	Description
Content-Type	Content-Type: application/json;	

### LOGOFF RESPONSE:

There is no response for this API call.

## IMPORT

### IMPORT CONTACTS FROM FTP SITE

This provides bulk import access for contacts. Contacts are imported from an FTP site from a CSV file. The CSV file should have a header row defining what data each column contains. See example below.

Email,First,Last

[johnsmith@mydomain.com,John,Smith](#)

This is how the file would look in Excel. Ensure the file is saved as a CSV file from Excel.

A	B	C	D
Email	First	Last	
johnsmith@mydomain.com	John	Smith	

## EXECUTEFTPIMPORT

Create the import and execute it. This is an all-in-one call.

### EXECUTEFTPIMPORT ENDPOINT:

- POST: [https://apinie.sensorpro.net/api/import/ExecuteFTPImport/\[Token\]](https://apinie.sensorpro.net/api/import/ExecuteFTPImport/[Token])
  - [Token] - replace with the access token returned by the login.
- Header Values:

Header	Example	Description
Content-Type	Content-Type: application/json;	

### INPUT PARAMETERS

- **Token** (string returned from login request)
- ImportDefinition (object)
  - **ImportData** import information
    - **Name**: Import name must not be > 16 characters long. Should only contain characters a-z and 0 to 9.
    - **Description**: Import description
    - **QuoteChar**: Quote character if specified in file. Default: "
    - **ClearCrossXRef**: Clear previous records imported
    - **ExecuteImport**: Clear previous records imported
  - **FTPConfiguration** FTP site login details
    - **FTPSite**: FTP Site Address
    - **FTPUser**: FTP Username
    - **FTPPwd**: FTP Password
    - **FTPSecure**: Secure FTP (SFTP) – True or False (default is False)
    - **FTPFileName**: CSV file name
    - **DeleteFileAfterImport**: Remove file from ftp site when finished
  - **FieldMap** (array) mapping between CSV file and email system. This maps the CSV file heading to internal field name in email system
    - **FromField**: Column heading in CSV file (based on the example CSV file at the start of this section **email**)
    - **ToField**: The field in the email system in this case **personalemail** (email maps to personalemail)

Example request:



```
{
  "ImportDefinition":{
    "ImportName":"MyImport",
    "Description":"My First import",
    "MapDefinition":"","
    "Status":-1,
    "QuoteChar":"\\\"",
    "ClearCrossXRef":false,
    "FieldMap":[
      {
        "FromField":"first",
        "ToField":"firstname",
        "ToMacro":""
      },
      {
        "FromField":"last",
        "ToField":"lastname",
        "ToMacro":""
      },
      {
        "FromField":"email",
        "ToField":"personalemail",
        "ToMacro":""
      }
    ],
    "FTPConfiguration":{
      "FTPFileName":"MyTestFile.csv",
      "FTPFileEncoding":"UTF8",
      "FTPUser":"xxxxxx",
      "FTPSite":"xxxxxx",
      "FTPPwd":"xxxxxx",
      "FTPSecure":false,
      "DeleteFileAfterImport":false
    },
    "ExecuteImport":true
  },
  "Options":null
}
```

#### RESPONSE OUTPUT

```
{
  "ImportId":12,
  "Result":{
    "RequestId":"b780cad0-9ecf-4631-83f6-5b451c767d72",
    "ErrorMessages":[

    ],
    "StatusMesssages":[

    ],
    "TotalStatusMessages":0,
    "TotalErrors":0
  }
}
```

```
}  
}
```

Note: Executing an import is an asynchronous job. This means that once the API call is finished the import may be queued or still running. To check the status of the import you can use the `GetImportStatus` API call to test the status of the import.

## GETIMPORTSTATUS

- Get import status - used to check if import has finished.

### GETIMPORTSTATUS ENDPOINT:

- POST: [https://apinie.sensorpro.net/api/import/GetImportStatus/\[Token\]](https://apinie.sensorpro.net/api/import/GetImportStatus/[Token])
  - [Token] replace with the access token returned by the login.
- Header Values:

Header	Example	Description
Content-Type	Content-Type: application/json;	

### IMPORT PARAMETERS

```
{  
  "ImportId":12  
}
```

### RESPONSE OUTPUT

```
{  
  "ImportId":12,  
  "ActiveContacts":1,  
  "Status":"Ready",  
  "LastFileProcessedOn":"2016-01-20T09:57:27",  
  "Result":{  
    "RequestId":"b780cad0-9ecf-4631-83f6-5b451c767d72",  
    "ErrorMessages":[  
  
    ],  
    "StatusMesssages":[  
  
    ],  
    "TotalStatusMessages":0,  
    "TotalErrors":0  
  }  
}
```

## CLEARTAGLIST

- Get import status - used to check if import has finished.

### CLEARTAGLIST ENDPOINT:

- POST: [https://apinie.sensorpro.net/api/import/ClearTagList/\[Token\]](https://apinie.sensorpro.net/api/import/ClearTagList/[Token])
  - [Token] replace with the access token returned by the login.
- Header Values:

Header	Example	Description
--------	---------	-------------

Content-Type	Content-Type: application/json;	

## IMPORT PARAMETERS

"TAG\_NAME"

## RESPONSE OUTPUT

```
{
  "Result":{
    "RequestId":"b780cad0-9ecf-4631-83f6-5b451c767d72",
    "ErrorMessages":[

    ],
    "StatusMesssages":[

    ],
    "TotalStatusMessages":0,
    "TotalErrors":0
  }
}
```



## CONTACTS

This provides access to the contacts data. These services directly affect the SensorPro contacts.

### UPDATEADD (COMBINED UPDATE ADD OPERATION) / ADD / UPDATE

These three service calls take the same parameters.

- **AddUpdate:** A combined add/update operation. Firstly, an attempt is made to update the contact and if this fails because the contact does not exist, then it is then added to the database.
- **Update:** Straight update - if this fails because the record cannot be found, an error is returned.
- **Add:** Straight add - if add fails, an error is returned.

#### UPDATEADD ENDPOINT:

- **POST:** [https://apinie.sensorpro.net/api/Contact/UpdateAdd/\[Token\]](https://apinie.sensorpro.net/api/Contact/UpdateAdd/[Token])
  - [Token] replace with the access token returned by the login.

#### ADD ENDPOINT:

- **POST:** [https://apinie.sensorpro.net/api/Contact/Add/\[Token\]](https://apinie.sensorpro.net/api/Contact/Add/[Token])
  - [Token] replace with the access token returned by the login.

#### UPDATE ENDPOINT:

- **PUT:** [https://apinie.sensorpro.net/api/Contact/Update/\[Token\]](https://apinie.sensorpro.net/api/Contact/Update/[Token])
  - [Token] replace with the access token returned by the login.

- **Header Values:**

Header	Example	Description
Content-Type	Content-Type: application/json;	

#### INPUT PARAMETERS

- **UpdRequest** (object)
  - **Contact** (array) array of contact records to add update.
    - **Required values**
      - **Personalemail** email address
      - **ExtLinkId** the unique key from the CRM system (default should be email address)
      - **ExtLinkIdField1** name of the key field from CRM system
  - **Options** (object) special options
    - **Action** (String) set to blank

- **ReturnFailedRequests** (bool) true failed requests are returned in the failed requests array. Only use this if required as it will reduce through put and bloat response object.
- **UpdateByKey** (string) what key should be used to perform the update. Blank means native key. If updating using
  - Foreign / external key `"extlinkid"`
  - Email address `"email"`
  - Blank native key contacted
- **AddToList** (array) optional parameter which allows you to add the contacts a tag list

Request Structure:

To efficiently add/update contacts add multiple contacts using the "Contact" array as shown below.

```
{
  "Contact": [
    { },
    { }
  ],
  "Options": null,
  "ReturnFailedRequests": false,
  "UpdateByKey": "email"
}
```

Simple Example Request.

```
{
  "AddToList": [
    "ListA",
    "ListB"],
  "Contact": [
    {
      "FirstName": "Test First Name",
      "LastName": "Test Last Name",
      "PersonalEmail": "webce@gmail.com"
    },
    {
      "FirstName": "Test First Name",
      "LastName": "Test Last Name",
      "PersonalEmail": "rcoady@gmail.com"
    }
  ]
}
```

```
],  
  "Options": null,  
  "ReturnFailedRequests": false,  
  "UpdateByKey": "email"  
}
```

For simplicity the contact record in the sample above only passed firstname, lastname, and email address below is the full list of fields which can be passed to the contact record.

```
"Contact": [  
  {  
    "Title": "",  
    "FirstName": "Jonny",  
    "LastName": "Smith",  
    "Gender": "",  
    "DateOfBirth": "0001-01-01T00:00:00",  
    "DateOfLastPurchase": "0001-01-01T00:00:00",  
    "PersonalEmail": "johnsmith@API.net",  
    "OrginalEmail": "",  
    "PersonalEmail1": "",  
    "BusinessEmail": "",  
    "BusinessEmail1": "",  
    "PhoneHome": "",  
    "PhoneBusiness": "",  
    "PhoneMobile": "",  
    "Pager": "",  
    "BusinessFax": "",  
    "HomeFax": "",  
    "PhoneOther": "",  
    "PerStreet": "",  
    "PerStreet1": "",  
    "PerCity": "",  
    "PerState": "",  
    "PerZip": "",  
    "PerCountry": "",  
    "BusName": "",  
    "BusStreet": "",  
    "BusStreet1": "",  
    "BusCity": "",  
    "BusState": "",  
    "BusZip": "",  
    "BusCountry": "",  
    "BusWebSite": "",  
    "GroupByIndustry": "",  
    "GroupBy1": "",  
    "OtherPhone": "",  
    "GroupBy2": "",  
    "GroupBy3": "",  
    "LastUpdatedById": 0,  
    "LastUpdatedByUser": "",  
    "ContactRating": 0,  
  }  
]
```



```
    "Password": "",
    "MessagePreference": "HTML",
    "SyncDate": "2016-02-12T17:44:17.0964784+00:00",
    "ExtLinkId": "",
    "JobTitle": "",
    "Categories": [

    ],
    "CategoriesUnselected": [

    ],
    "OptOut": 0,
    "SMSOptOut": 0,
    "OriginalOptOut": 0,
    "MapId": -1,
    "ImportId": "be84463d-30e2-40f1-a20c-e7f2d56d9548",
    "ImportName": "",
    "ExtLinkIdNum": -1,
    "ExtLinkIdGuid": "00000000-0000-0000-0000-000000000000",
    "ExtLinkIdNumField": "",
    "ExtLinkIdField": "",
    "ExtLinkIdGuidField": "",
    "Status": 0,
    "SMSStatus": 0,
    "ReferredById": 0,
    "InFix": "",
    "UserChar2": "",
    "UserChar3": "",
    "UserChar4": "",
    "UserChar5": "",
    "UserChar6": "",
    "UserChar7": "",
    "UserChar8": "",
    "UserChar9": "",
    "UserChar10": "",
    "UserChar11": "",
    "UserChar12": "",
    "UserChar13": "",
    "UserChar14": "",
    "UserChar15": "",
    "Date1": "0001-01-01T00:00:00",
    "Date2": "0001-01-01T00:00:00",
    "Date3": "0001-01-01T00:00:00",
    "Date4": "0001-01-01T00:00:00",
    "Date5": "0001-01-01T00:00:00",
    "Num1": 0,
    "Num2": 0,
    "Num3": 0,
    "Num4": 0,
    "Num5": 0}
],
```

## RESPONSE OUTPUT

- UpdResponse
  - **Result** (object - determine the success or failure of a service call)
  - **UpdateCount** (int) total records updated.
  - **AddCount** (int) total records added.
  - **FailedRequests** (array) array/adds of updates that failed. Only returned if "returnfailedrequest" is set to true on request.

```
{
  "UpdateCount":0,
  "AddCount":1,
  "FailedRequests":[
  ],
  "Result":{
    "RequestId":"5dc89745-c97c-4d3d-b693-17a641a1c2ef",
    "ErrorMessages":[
    ],
    "StatusMesssages":[
    ],
    "TotalStatusMessages":0,
    "TotalErrors":0
  }
}
```

## GETCONTACTS GET CONTACT RECORDS

This service is used to retrieve a contact from the database. The contact can be retrieved by email address, by external key, by native contact id. Depending on how you want to retrieve the contact records add the key to the appropriate collection in the request object below.

## GETCONTACTS ENDPOINT:

- POST: [https://apinie.sensorpro.net/api/Contact/GetContacts/\[Token\]](https://apinie.sensorpro.net/api/Contact/GetContacts/[Token])
  - [Token] - replace with the access token returned by the login.
- Header Values:

Header	Example	Description
Content-Type	Content-Type: application/json;	

## INPUT PARAMETERS

- GetRequest (Object)
  - **ExtLinkIds** (string array) get contacts by external/foreign keys.
  - **EmailAddress** (string array) get contacts by email address.
  - **ContactIds** (long array) get contacts by contactids

Example request:

```
{
  "ExtLinkIds":null,
  "EmailAddress":[
    "johnsmith@API.net",
    "email2@gmail.com"
  ],
  "ContactIds":null
}
```

#### RESPONSE OUTPUT

- GetResponse (object)
  - Result (object see determine the success or failure of a service call)
  - Contacts (array of contacts) list of retrieved contacts.

```
{
  "Contacts":[
    {
      "OrgId":1,
      "ContactId":11,
      "ContactType":0,
      "Loyalty":0,
      "YearlyPurchase":0.0000,
      "Title": "",
      "FirstName": "Jonny",
      "LastName": "Smith",
      "Name": "",
      "Gender": "",
      "DateOfBirth": "1900-01-01T00:01:00",
      "DateOfLastPurchase": "1900-01-01T00:01:00",
      "PersonalEmail": "johnsmith@API.net",
      "OrginalEmail": "",
      "PersonalEmail1": "",
      "BusinessEmail": "",
      "BusinessEmail1": "",
      "PhoneHome": "",
      "PhoneBusiness": "",
      "PhoneMobile": "",
      "Pager": "",
      "BusinessFax": "",
      "HomeFax": "",
      "PhoneOther": "",
      "PerStreet": "",
      "PerStreet1": "",
      "PerCity": "",
      "PerState": "",
      "PerZip": "",
      "PerCountry": ""
    }
  ]
}
```

```
"BusName": "",
"BusStreet": "",
"BusStreet1": "",
"BusCity": "",
"BusState": "",
"BusZip": "",
"BusCountry": "",
"BusWebSite": "",
"GroupByIndustry": "",
"GroupBy1": "",
"OtherPhone": "",
"GroupBy2": "",
"GroupBy3": "",
"LastUpdatedById": 0,
"LastUpdatedByUser": "",
"ContactRating": -1,
"Password": "bTVXWV",
"MessagePreference": "HTML",
"SyncDate": "2016-03-15T16:35:48.5515017+00:00",
"ExtLinkId": "",
"JobTitle": "",
"Categories": [

],
"CategoriesUnselected": [

],
"OptOut": 0,
"SMSOptOut": 0,
"OriginalOptOut": 0,
"MapId": -1,
"ImportId": "a342eec1-2924-43e9-9589-fd3e7ebb5feb",
"ImportName": "",
"ExtLinkIdNum": -1,
"ExtLinkIdGuid": "00000000-0000-0000-0000-000000000000",
"ExtLinkIdNumField": "",
"ExtLinkIdField": "",
"ExtLinkIdGuidField": "",
"Status": 0,
"SMSStatus": 0,
"ReferredById": 0,
"InFix": "",
"LastBroadCastDate": "1900-01-01T00:01:00",
"LastReponseDate": "1900-01-01T00:01:00",
"TotalBroadCasts": 0,
"TotalResponses": 0,
"UserChar2": "",
"UserChar3": "",
"UserChar4": "",
"UserChar5": "",
"UserChar6": "",
"UserChar7": "",
"UserChar8": "",
"UserChar9": "",
"UserChar10": "",
```

```
        "UserChar11": "",
        "UserChar12": "",
        "UserChar13": "",
        "UserChar14": "",
        "UserChar15": "",
        "Date1": "1900-01-01T00:01:00",
        "Date2": "1900-01-01T00:01:00",
        "Date3": "1900-01-01T00:01:00",
        "Date4": "1900-01-01T00:01:00",
        "Date5": "1900-01-01T00:01:00",
        "Num1": 0,
        "Num2": 0,
        "Num3": 0,
        "Num4": 0,
        "Num5": 0,
        "LinkId": "00000000-0000-0000-0000-000000000000",
        "Privacy": "",
        "InfoObtainedFrom": "",
        "RestrictEmails": "",
        "GlobalId": "0806265d-b2f6-4eef-a76d-953d3c034fb1"
    }
],
"Result": {
    "RequestId": "a3120207-98d3-4e0f-85bd-7180f0d11743",
    "ErrorMessage": [
        {
            "Code": "GetFailed",
            "Description": "email2@gmail.com Record could not be found. ",
            "Sequence": 0
        }
    ],
    "StatusMessages": [
    ],
    "TotalStatusMessages": 0,
    "TotalErrors": 1
}
}
```

## GETCONTACTSPAGED GET CONTACT RECORDS

This service is used to retrieve a contact from the database. The contact can be retrieved by email address, by external key, by native contact id. Depending on how you want to retrieve the contact records add the key to the appropriate collection in the request object below.

### GETCONTACTS ENDPOINT:

- POST: [https://apinie.sensorpro.net/api/Contact/GetContactsPaged/\[Token\]](https://apinie.sensorpro.net/api/Contact/GetContactsPaged/[Token])
  - [Token] - replace with the access token returned by the login.
- Header Values:

Header	Example	Description
Content-Type	Content-Type: application/json;	

## INPUT PARAMETERS

- GetRequest (Object)
  - **Page** This api call returns the data a page at a time. This indicates which page to get. If paging through the complete data set increase the page count by one until no more data is returned.
  - **PageSize** This indicates how many contacts to return at a time.
  - **Options** If this is not set you will get back all contacts. Action options are as follows:
    - **Bounce** get list of bounced emails
    - **Optout** get list of opted out emails
    - **Smsoptout** get list of sms optouts
    - **Smsstatus** get list of sms failed numbers
    - **Blank** get all contacts
  - **Fields** list of the fields to populate. Leave empty to return all fields

Example request:

```
{ "Page":1,
  "PageSize":10,
  "Options":{"Action":"bounce"},
  "Fields":["personalemail","status","optoutstatus"]
}
```

## RESPONSE OUTPUT

- GetResponse (object)
  - Result (object see determine the success or failure of a service call)
  - Contacts (array of contacts) list of retrieved contacts.

```
{
  - "Contacts": [9]
    -0: { ... }
    -1: { ... }
    -2: { ... }
    -3: { ... }
    -4: { ... }
    -5: { ... }
    -6: { ... }
    -7: { ... }
    -8: { ... }
  - "Result": {
    "RequestId": "ed2fa158-1d32-4e62-9796-c38ff0cc7129"
    "ErrorMessage": [0]
    "StatusMessages": [0]
    "TotalStatusMessages": 0
    "TotalErrors": 0
  }
}
```

## DELETECONTACTS DELETE CONTACTS

This service is used to delete a contact from the database. It is possible to delete contacts by email address, by external key, by native contacted ID. Note once a contact has been broadcasted to, they cannot be deleted (to preserve their opt-out status).

### DELETECONTACTS ENDPOINT:

- Delete: [https://apinie.sensorpro.net/api/Contact/DeleteContacts/\[Token\]](https://apinie.sensorpro.net/api/Contact/DeleteContacts/[Token])
  - [Token] - replace with the access token returned by the login.
- Header Values:

Header	Example	Description
Content-Type	Content-Type: application/json;	

### INPUT PARAMETERS

- DeleteRequest (Object)
  - **ReturnFailedRequests** (bool) return requests which have failed. If set to true this will cause the message response to increase in size.
  - **ExtLinkIds** (string array) get contacts by external/foreign keys
  - **EmailAddress** (string array) get contacts by email address
  - **ContactIds** (long array) get contacts by contactids

Example request:

```
{
  "SetToInactiveIfCannotDelete":true,
  "ReturnFailedRequests":false,
  "ExtLinkIds":[

  ],
  "EmailAddress":[
    "johnsmith@api.net"
  ],
  "ContactIds":[

  ]
}
```

#### RESPONSE OUTPUT

- **GetResponse** (object)
  - **Result** (object - determine the success or failure of a service call)
  - **FailedRequests** (array of objects) this will contain the key (either string or long) which failed to delete the contact.

#### CHANGEOPTOUTSTATUS CHANGE CONTACT UNSUBSCRIBE STATUS

This service is used to change the opt out status for a contact. If they have opted out, they will not be emailed.

#### CHANGEOPTOUTSTATUS ENDPOINT:

- **PUT:** [https://apinie.sensorpro.net/api/Contact/ChangeOptOutStatus/\[Token\]](https://apinie.sensorpro.net/api/Contact/ChangeOptOutStatus/[Token])
  - [Token] replace with the access token returned by the login.
- **Header Values:**

Header	Example	Description
Content-Type	Content-Type: application/json;	

#### INPUT PARAMETERS

- **StatusChangeRequest** (Object)
  - **ReturnFailedRequests** (bool) return requests which have failed. If set to true this will cause the message response to increase in size.
  - **ExtLinkIds** (string array) update contacts by external/foreign keys
  - **EmailAddress** (string array) update contacts by email address
  - **ContactIds** (long array) update contacts by contactid
  - **Status** (int) Status which contacts listed will be set to
    - **-10** :Opted out
    - **-5** :Pending opt in
    - **0** :Opted in

Example request:

```
{
  "Status":-10,
```



```
"ReturnFailedRequests":false,
"ExtLinkIdIds":[

],
"EmailAddress":[
  "johnsmith@API.net"
],
"ContactIds":[

]
}
```

#### RESPONSE OUTPUT

- [StatusChangeResponse](#) (object)
  - Result (object - determine the success or failure of a service call)
  - FailedRequests (array of objects) this will contain the key (either string or long) which failed to delete the contact.

```
{
  "FailedRequests":[

],
  "Result":{
    "RequestId":"fb212298-5a1b-4fcb-8315-b61b65abfd1f",
    "ErrorMessages":[

],
    "StatusMesssages":[

],
    "TotalStatusMessages":0,
    "TotalErrors":0
  }
}
```

#### CHANGESTATUS CHANGE CONTACT STATUS

This service is used to change the general status for a contact.

##### CHANGESTATUS ENDPOINT:

- PUT: [https://apinie.sensorpro.net/api/Contact/ChangeStatus/\[Token\]](https://apinie.sensorpro.net/api/Contact/ChangeStatus/[Token])
  - [Token] - replace with the access token returned by the login.
- Header Values:

Header	Example	Description
Content-Type	Content-Type: application/json;	

--	--	--

#### INPUT PARAMETERS

- [StatusChangeRequest](#) (Object)
  - **ReturnFailedRequests** (bool) return requests which have failed. If set to true this will cause the message response to increase in size.
  - **ExtLinkIds** (string array) update contacts by external/foreign keys
  - **EmailAddress** (string array) update contacts by email address
  - **ContactIds** (long array) update contacts by contactid
  - **Status** (int) Status which contacts listed will be set to
    - **0** :Active
    - **10** :Referred (Created by tell a friend option in an email)
    - **20** :Inactive
    - **-10** :Bounced/rejected

#### Example request

```
{
  "Status":-10,
  "ReturnFailedRequests":false,
  "ExtLinkIds":[

  ],
  "EmailAddress":[
    "johnsmith@API.net"
  ],
  "ContactIds":[

  ]
}
```

#### RESPONSE OUTPUT

- [StatusChangeResponse](#) (object)
  - **Result** (object - determine the success or failure of a service call)
  - **FailedRequests** (array of objects) this will contain the key (either string or long) which failed to delete the contact.

```
{
  "FailedRequests":[

  ],
  "Result":{
    "RequestId":"81468d39-d225-44d7-af35-500807bf83d7",
    "ErrorMessages":[

  ],
```

```
    "StatusMesssages": [  
    ],  
    "TotalStatusMessages": 0,  
    "TotalErrors": 0  
  }  
}
```

## UPDATEEXTLINKID (UPDATE CONTACT IN SENSORPRO WITH NEW CRM ID)

This service is used to update the external link id (exlinkid) for the contact. That is if the primary key for the contact has changed.

### UPDATEEXTLINKID ENDPOINT:

- PUT: [https://apinie.sensorpro.net/api/Contact/UpdateExtLinkId/\[Token\]](https://apinie.sensorpro.net/api/Contact/UpdateExtLinkId/[Token])
  - [Token] replace with the access token returned by the login.
- Header Values:

Header	Example	Description
Content-Type	Content-Type: application/json;	

### INPUT PARAMETERS

- `UpdateExtLinkIdRequest` (Object)
  - **ReturnFailedRequests** (bool) return requests which have failed. If set to true this will cause the message response to increase in size.
  - **OldKeyNewKeyCollection** (array of `ExtLinkIdPair`) Named pairs containing old key and new key
    - `ExtLinkIdPair`
      - `OldKey` (string) old key string
      - `NewKey` (string) new key string

Request example:

```
{
  "ReturnFailedRequests": false,
  "OldKeyNewKeyCollection": [
    {
      "OldKey": "A1201201",
      "NewKey": "001201201"
    }
  ]
}
```

### RESPONSE OUTPUT

- `UpdateExtLinkIdResponse` (object)
  - **Result** (object see `determine the success or failure of a service call`)
  - **FailedRequests** (array of `ExtLinkIdPair`)
    - `ExtLinkIdPair`
      - `OldKey` (string) old key string
      - `NewKey` (string) new key string

## MERGE: MERGE TWO CONTACTS

Merge two contacts. Can be used after a de-duplication process in a CRM system.

### MERGE ENDPOINT:

- PUT/POST: [https://apinie.sensorpro.net/api/Contact/Merge/\[Token\]](https://apinie.sensorpro.net/api/Contact/Merge/[Token])
  - [Token] replace with the access token returned by the login.
- Header Values:

Header	Example	Description
Content-Type	Content-Type: application/json;	

### INPUT PARAMETERS

- `MergeRequest` (Object)
  - **Token** Login session token
  - **Newcontact** (object) contains the new contact details
  - **NewExtLinkId** (string) the new key for merged contact. This will be the unique key from the CRM system.
  - **OldExtLinkId** (string) the old key for the contact which will be merged.

Request example:

```
{
  "NewContact": {
    "Title": "",
    "FirstName": "John",
    "LastName": "Smith",
    "Name": "",
    "Gender": "",
    "DateofBirth": "0001-01-01T00:00:00",
    "DateOfLastPurchase": "0001-01-01T00:00:00",
    "PersonaleMail": "merge@gmail.com",
    "OrginaleMail": "",
    "PersonalEmail1": "",
    "BusinessEmail": "",
    "BusinessEmail1": "",
    "PhoneHome": "",
    "PhoneBusiness": "",
    "PhoneMobile": "",
    "Pager": "",
    "BusinessFax": "",
    "HomeFax": "",
    "PhoneOther": "",
    "PerStreet": "",
    "PerStreet1": "",
    "PerCity": "",
    "PerState": "",
    "PerZip": "",
    "PerCountry": "",
    "BusName": ""
  }
}
```

```
"BusStreet": "",
"BusStreet1": "",
"BusCity": "",
"BusState": "",
"BusZip": "",
"BusCountry": "",
"BusWebSite": "",
"GroupByIndustry": "",
"GroupBy1": "",
"OtherPhone": "",
"GroupBy2": "",
"GroupBy3": "",
"LastUpdatedById": 0,
"LastUpdatedByUser": "",
"ContactRating": 0,
"Password": "",
"MessagePreference": "HTML",
"SyncDate": "2016-03-02T12:38:39.2447247+00:00",
"ExtLinkId": "",
"JobTitle": "",
"Categories": [

],
"CategoriesUnselected": [

],
"OptOut": 0,
"SMSOptOut": 0,
"OriginalOptOut": 0,
"MapId": -1,
"ImportId": "eff45679-7d5f-4b66-bd3a-06e2cfe070f0",
"ImportName": "",
"ExtLinkIdNum": -1,
"ExtLinkIdGuid": "00000000-0000-0000-0000-000000000000",
"ExtLinkIdNumField": "",
"ExtLinkIdField": "",
"ExtLinkIdGuidField": "",
"Status": 0,
"SMSStatus": 0,
"ReferredById": 0,
"InFix": "",
"LastBroadCastDate": "0001-01-01T00:00:00",
"LastReponseDate": "0001-01-01T00:00:00",
"TotalBroadCasts": 0,
"TotalResponses": 0,
"UserChar2": "",
"UserChar3": "",
"UserChar4": "",
"UserChar5": "",
"UserChar6": "",
"UserChar7": "",
"UserChar8": "",
"UserChar9": "",
"UserChar10": "",
"UserChar11": "",
```

```
"UserChar12": "",
"UserChar13": "",
"UserChar14": "",
"UserChar15": "",
"Date1": "0001-01-01T00:00:00",
"Date2": "0001-01-01T00:00:00",
"Date3": "0001-01-01T00:00:00",
"Date4": "0001-01-01T00:00:00",
"Date5": "0001-01-01T00:00:00",
"Num1": 0,
"Num2": 0,
"Num3": 0,
"Num4": 0,
"Num5": 0    },
"Options": null,
"ReturnFailedRequests": false,
"OldExtLinkId": "01011",
"NewExtLinkId": "10001"
}
```

#### RESPONSE OUTPUT

- `UpdateExtLinkIdResponse` (object)
  - Result (object - determine the success or failure of a service call)
  - FailedRequests (array of `ExtLinkIdPair`)
    - `ExtLinkIdPair`
      - `OldKey` (string) old key string
      - `NewKey` (string) new key string

#### Merge Logic

This is a scenario where two records are de-duplicated in CRM. This is the process of merging two records into one. In SensorPro the following situation may exist:

- Neither of these records may exist in SensorPro
- The deleted record in CRM may exist in SensorPro
- The merged record in CRM may exist in SensorPro
- Both records may exist in SensorPro
- The email address being used on the merged person may already exist in SensorPro, thus preventing the update.

The terminology used is as follows:

- Deleted contact – the person which was deleted in CRM after merge process
- Merged contact – the person which remains after the merge process in CRM

The logic is as follows

**If (deleted contact record Exists AND the merged contact record does Not Exist in SensorPro)**

Set the external link (exlinkid) in SensorPro to the merged person (CRM unique ID)

This record will be used as the new record for the new merged contact later in the process

**If (both deleted person and merged person exist in SensorPro)**

Delete the deleted person from SensorPro

**If (this contact cannot be deleted because he has been broadcasted to)**

Set the status to inactive

Set the optout / unsubscribe status to opted out

Set email address to deduped@new Guid().com (prevents email address clash)

Update the contact

**If (the email address already exists in SensorPro)**

EXIT cannot have duplicate email address in SensorPro

**Else**

**If (neither deleted person or merged person existed in SensorPro)**

Add merged person as new contact

**Else – Update one of the existing records (deleted contact or merged contact in SensorPro)**

**If (deleted person existed in SensorPro and merged person does not exist in SensorPro)**

Update deleted contact in SensorPro with merged contact details

**Else**

Update merged contact in SensorPro with merged person data



## CAMPAIGN SERVICES

This is the system interfaces and provides the following services:

- **ExecuteAllInOneCampaign** : Execute a campaign:
  - Create design
  - Create segment
  - Create and execute broadcast
- **AddCampaign**: Add campaign only
- **AddDesign**: Add design only
- **AddSegment**: Add segment only
- **AddBroadcast**: Add broadcast only
- **GetBroadcastStatus**: Add broadcast only

### ADD CAMPAIGN:

Login must be executed before any other service is executed. This establishes your identification for subsequent requests. The session will time out if the token is not used. Create a campaign.

#### ADDCAMPAIGN ENDPOINT:

- POST: [https://apinie.sensorpro.net/api/campaign/AddCampaign/\[Token\]](https://apinie.sensorpro.net/api/campaign/AddCampaign/[Token])
  - [Token] replace with the access token returned by the login.
- Header Values:

Header	Example	Description
Content-Type	Content-Type: application/json;	

#### KEY INPUT PARAMETERS

- **MergeRequest** (Object)
  - **ExtLinkId** optional id to link campaign to your system.
  - **Title** campaign title
  - **Manager** name of the campaign manager

```
{
  "ExtLinkId": "",
  "Title": "Sale Up To 50 Percent Off",
  "Manager": "John Smith",
  "EndDate": "2016-04-01T13:58:25.717598+01:00",
  "GoogleAnalytics": false,
  "DoNotTrackLinkss": false,
  "Categories": false
}
```

#### RESPONSE OUTPUT

The key return value is the Campaign Id this is required to create segments / broadcasts

```
{
  "CampaignId":12,
  "SegmentId":0,
  "BroadcastId":0,
  "DesignIdHTML":"00000000-0000-0000-0000-000000000000",
  "DesignIdTXT":"00000000-0000-0000-0000-000000000000",
  "Result":{
    "RequestId":"db013449-b0b3-4d9b-b326-df0fd14ef19e",
    "ErrorMessages":[

    ],
    "StatusMesssages":[

    ],
    "TotalStatusMessages":0,
    "TotalErrors":0
  }
}
```

## ADD DESIGN:

Add a design to a campaign

### ADDDSIGN ENDPOINT:

- POST: [https://apinie.sensorpro.net/api/campaign/AddDesign/\[Token\]](https://apinie.sensorpro.net/api/campaign/AddDesign/[Token])
  - [Token] - replace with the access token returned by the login.
- Header Values:

Header	Example	Description
Content-Type	Content-Type: application/json;	

### KEY INPUT PARAMETERS

- **CampaignId:** required the campaign id which design should be added
- **Name:** required design name
- **Exlinkid:** (optional) - link back to your external system
- **HTMLMessage:** HTML text for message

```
{
  "CampaignId":12,
  "Name":"My Design",
  "Description":"",
  "ExtLinkId":"MyDesign20160101",
  "HTMLMessage":"<table class=\"ReadMsgBody\" style=\"background-
color: #333333; table-
layout: fixed; width: 100%!important;\>\" border=\"0\" cellpadding
```

```
ing="\0\" align="center\" bgcolor="#333333\">\r\n <tbody>\r\n <tr>\r\n <td st
yle="background-
color: #333333;\" bgcolor="#333333\" width="100%\">\r\n <table class="wrappe
r\" style="width: 600px;\" border="\0\" cellpadding="\0\" al
ign="center\">\r\n <tbody>\r\n <tr>\r\n <td class="webversion\">\r\n <table c
lass="responsive-
table\" style="width: 600px;\" border="\0\" cellpadding="\0\"
">\r\n <tbody>\r\n <tr>\r\n <td style="text-
align: center;\" valign="middle\">\r\n <table class="responsive-
table\" style="width: 100%; background-
color: #333333;\" border="\0\" cellpadding="\0\" align="left
\">\r\n <tbody>\r\n <tr>\r\n <td class="webversion-link\" style="font-
size: 14px; font-family: Arial, sans-serif; color: #cccccc; text-
align: center; padding: 10px 10px 10px 10px; background-
color: #333333;\" align="center\"><a style="color: #cccccc;\" href="http://w
illbereplacedatbroadcasttime//run/v3.aspx?m={smid}\">View this email in your we
b browser</a></td>\r\n </tr>\r\n <tr>\r\n <td style="color: #cccccc; backgroun
d-
color: #333333;\" align="center\"></td>\r\n </tr>\r\n </tbody>\r\n </table>\r\n </td>\r\n </tr>\r\n </tbody>\r\n
</table>\r\n </td>\r\n </tr>\r\n </tbody>\r\n </table>\r\n </td>\r\n </tr>\r\n
</tbody>\r\n </table>\r\n <table class="ReadMsgBody\" style="width: 100% !im
portant; table-layout: fixed; background-
color: #333333;\" border="\0\" cellpadding="\0\" align="cent
er\">\r\n <tbody>\r\n <tr>\r\n <td style="padding: 0 15px 50px 15px; backgroun
d-
color: #333333;\" align="center\" bgcolor="#333333\">\r\n <table class="resp
onsive-table\" style="width: 600px; background-
color: #333333;\" border="\0\" cellpadding="\0\" align="cent
er\">\r\n <tbody>\r\n <tr>\r\n <td class="padding-
copy appleBody\" style="padding: 20px 0 0 0; background-color: #333333; font-
size: 14px; line-height: 25px; font-family: Helvetica, Arial, sans-
serif; color: #cccccc;\" align="left\">\r\n <p>This email was sent to {persona
lemail}</p>\r\n <p>You can remove yourself from our list by <a style="color: #
cccccc;\" href="http://192.168.1.4/SpinnakerPro//run/00.aspx?m={smid}\">clicki
ng here</a>.</p>\r\n </td>\r\n </tr>\r\n </tbody>\r\n </table>\r\n </td>\r\n </
tr>\r\n </tbody>\r\n </table>",
    "HTMLMessageWidth":693,
    "HTMLMessageBorderStyle":"","
    "TextMessage":"my text version {unsubscribe}",
    "StyleSheet": ".test{}"
  }
}
```

## RESPONSE OUTPUT

The key return values are DesignIdHTML / DesignIdTXT these will be used to create a broadcast in a subsequent API call.

```
{
  "CampaignId":12,
  "SegmentId":0,
  "BroadcastId":0,
  "DesignIdHTML":"52c78e3c-f7d7-44c4-9a0e-cff00f918d58",
```

```
"DesignIdTXT": "00000000-0000-0000-0000-000000000000",
"Result": {
  "RequestId": "e4765ddc-496d-4a90-a529-9883daa1f73b",
  "ErrorMessages": [

  ],
  "StatusMesssages": [

  ],
  "TotalStatusMessages": 0,
  "TotalErrors": 0
}
}
```

## ADD SEGMENT:

Add a segment to a campaign

### ADDSEGMENT ENDPOINT:

- POST: [https://apinie.sensorpro.net/api/campaign/AddSegment/\[Token\]](https://apinie.sensorpro.net/api/campaign/AddSegment/[Token])
  - [Token] replace with the access token returned by the login.
- Header Values:

Header	Example	Description
Content-Type	Content-Type: application/json;	

### KEY INPUT PARAMETERS

- **CampaignId:** required the campaign id which design should be added
- **SegmentName:** required design name
- **Description:** (required) - link back to your external system
- **HTMLMessage:** HTML text for message
- **Segment Type:**
  - Import=0
    - You must set the RuleImportName if targeting a specific import. That is the import name;
  - Seed List=10
  - Everyone=30
  - CustomRule=20

```
{
  "CampaignId": 12,
  "SegmentName": "MySeedSegment",
  "SegmentType": 20,
```

```
"Description": "API Seed Segment",
"MultiStep": false,
"Restricted": false,
"ActiveOnly": true,
"CustomRule": [
  {
    "LeftCondition": 0,
    "LeftFunction": "",
    "Field": "personalemail",
    "Condition": "=",
    "RightFunction": "",
    "Value": "seed@gmail.com",
    "RightCondition": 0,
    "AndOrNext": 0
  }
],
"RuleSeedList": "seed1@gmail.com",
"RuleImportName": "",
"ExtLinkId": ""
}
```

#### RESPONSE OUTPUT

The key return values are SegmentId this will be used to create a broadcast in a subsequent API call.

```
{
  "CampaignId": 12,
  "SegmentId": 27,
  "BroadcastId": 0,
  "DesignIdHTML": "00000000-0000-0000-0000-000000000000",
  "DesignIdTXT": "00000000-0000-0000-0000-000000000000",
  "Result": {
    "RequestId": "0ad53069-1a30-43f4-9626-148d112d7451",
    "ErrorMessages": [
    ],
    "StatusMessages": [
    ],
    "TotalStatusMessages": 0,
    "TotalErrors": 0
  }
}
```

```
}  
}
```

## ADD BROADCAST:

Add a segment to a campaign

### ADDBROADCAST ENDPOINT:

- POST: [https://apinie.sensorpro.net/api/campaign/AddBroadcast/\[Token\]](https://apinie.sensorpro.net/api/campaign/AddBroadcast/[Token])
  - [Token] replace with the access token returned by the login.
- Header Values:

Header	Example	Description
Content-Type	Content-Type: application/json;	

### KEY INPUT PARAMETERS

- **CampaignId:** required the campaign id which design should be added
- **SegmentId:** required segment id
- **DesignHTMLId:** required, id of the html design
- **DesignTxtId:** optional text design id

```
{  
  "CampaignId":12,  
  "SegmentId":27,  
  "DesignHtmlId": "52c78e3c-f7d7-44c4-9a0e-cff00f918d58",  
  "DesignTxtId": "00000000-0000-0000-0000-000000000000",  
  "ExtLinkId": "",  
  "Subject": "Test                               API                               Subject 1",  
  "MsgType":0,  
  "PageId": "00000000-0000-0000-0000-000000000000",  
  "PageIdTxt": "00000000-0000-0000-0000-000000000000",  
  "FromEmail": "test@sensorpro.net",  
  "ReplyTo": "",  
  "ReturnPath": "",  
  "MailEncoding": "UTF8",  
  "ExecuteOnUTCFormat": "2016-03-02T16:37:23.1905397Z",  
  "ExecuteBroadcast": true  
}
```

### RESPONSE OUTPUT

The key return values are BroadcastId this is the internal ID for that broadcast

```
{
  "CampaignId":12,
  "SegmentId":27,
  "BroadcastId":1,
  "DesignIdHTML":"52c78e3c-f7d7-44c4-9a0e-cff00f918d58",
  "DesignIdTXT":"00000000-0000-0000-0000-000000000000",
  "Result":{
    "RequestId":"5567fbbb-249a-41f8-8866-e083c1028c36",
    "ErrorMessages":[
    ],
    "StatusMesssages":[
    ],
    "TotalStatusMessages":0,
    "TotalErrors":0
  }
}
```

March 16th 2016, 1:38:14 pm

## EXECUTEALLINONECAMPAIGN:

Login must be executed before any other service is executed. This establishes your identification for subsequent requests. The session will time out if the token is not used. This call will create and execute an email campaign in one call. You must pass through the following information:

- Campaign Data
- Design Data
- Segment Data
- Broadcast Data

## EXECUTEALLINONE ENDPOINT:

- POST: [https://apinie.sensorpro.net/api/Campaign/ExecuteAllInOneCampaign/\[Token\]](https://apinie.sensorpro.net/api/Campaign/ExecuteAllInOneCampaign/[Token])
  - [Token] replace with the access token returned by the login.
- Header Values:

Header	Example	Description
Content-Type	Content-Type: application/json;	

## KEY INPUT PARAMETERS

Campaign			
Type	Field	Default	Description
string	ExternalId		External id link to source system
string	*Title		Campaign Title
string	*Manager		Manager
DateTime	*EndDate	today +30 days	Campaign End Date
bool	GoogleAnalytics	false	Enable Google analytic tracking on links
bool	DoNotTrackLinks	false	Turn off link tracking
bool	Categories	false	Category campaign
Design			
string	*Name		Design name
string	*Description		Description
string	*HTMLMessage		HTML Design (html encoded)
int	*HTMLMessageWidth	693	Design width
string	TextMessage		Text version of HTML message (text only)
string	HTMLMessageBorderStyle		Design border
string	ExtLinkId		External id link to source system
Segment			
string	*SegmentName		Segment name
Type	*SegmentType		Segment Type
string	*Description		Description
bool	MultiStep	false	Multistep segment
bool	Restricted	false	Restricted segment enforce de-duplication on segment build.
bool	ActiveOnly	false	Only include active contacts
array of RuleDefinition	CustomRule		Required for custom rule targeting
string	RuleSeedList	comma seperated string of emails.	Required for seed list segments
string	RuleImportName	Import name	Required for segment types of import
string	ExtLinkId		Link to external system
Broadcast			
string	ExtLinkId		Link To external system
string	*Subject		Subject line
MessageType	*MsgType		HTML Or Text only



long	SegmentId	0	For the all in one call this should be 0
Guid	PageId	00000000-0000-0000-0000-000000000000	For the all in one call this should be empty Guid
Guid	PageIdTxt	00000000-0000-0000-0000-000000000000	For the all in one call this should be empty guid
Guid	*FromEmail	email address	
string	ReplyTo	email address	Reply to address
string	ReturnPath	email address	Return path
DateTime	*ExecuteOnUTCFormat	CurrentDate Time	Execute broadcast on this date time. UTC format
bool	*ExecuteBroadcast	true	Execute broadcast based on "ExecuteonUTCFormat"
string	MailEncoding	UTF8	Encoding to use for email

Notes:

Tip: Target a Specific Import

To target a specific import when building a segment, set the following:

- **Segment Type:**
  - Import=0
    - You must set the RuleImportName if targeting a specific import. That is the import name;
  - Seed List=10
  - Everyone=30
  - CustomRule=20

example Request All-In-One Call:

```
{
  "Campaign":{
    "ExtLinkId":"","
    "Title":"MyApiCampaign",
    "Manager":"John Smith",
    "EndDate":"2016-04-15T15:54:56.4339611+01:00",
    "GoogleAnalytics":false,
    "DoNotTrackLinkss":false,
    "Categories":false,
    "ServiceMessage":false
  },
  "Design":{
    "CampaignId":0,
    "Name":"My Design",
    "Description":"","
```

```
        "ExtLinkId": "MyDesign20160101",
        "HTMLMessage": "<table class=\"ReadMsgBody\" style=\"background-
color: #333333; table-
layout: fixed; width: 100%!important;\" border=\"0\" cellspacing=\"0\" cellpad-
ding=\"0\" align=\"center\" bgcolor=\"#333333\">\r\n <tbody>\r\n <tr>\r\n <td
style=\"background-
color: #333333;\" bgcolor=\"#333333\" width=\"100%\">\r\n <table class=\"wrapp-
er\" style=\"width: 600px;\" border=\"0\" cellspacing=\"0\" cellpadding=\"0\"
align=\"center\">\r\n <tbody>\r\n <tr>\r\n <td class=\"webversion\">\r\n <tabl-
e class=\"responsive-
table\" style=\"width: 600px;\" border=\"0\" cellspacing=\"0\" cellpadding=\"0
\">\r\n <tbody>\r\n <tr>\r\n <td style=\"text-
align: center;\" valign=\"middle\">\r\n <table class=\"responsive-
table\" style=\"width: 100%; background-
color: #333333;\" border=\"0\" cellspacing=\"0\" cellpadding=\"0\" align=\"lef-
t\">\r\n <tbody>\r\n <tr>\r\n <td class=\"webversion-link\" style=\"font-
size: 14px; font-family: Arial, sans-serif; color: #cccccc; text-
align: center; padding: 10px 10px 10px 10px; background-
color: #333333;\" align=\"center\"><a style=\"color: #cccccc;\" href=\"http://
willbereplacedatbroadcasttime//run/v3.aspx?m={smid}\">View this email in your
web browser</a></td>\r\n </tr>\r\n <tr>\r\n <td style=\"color: #cccccc; bac-
kground-
color: #333333;\" align=\"center\"><img src=\"http://placeholder.it/250x100\" al-
t=\"Logo\" width=\"250\" height=\"100\" border=\"0\" style=\"display: block;\"
/></td>\r\n </tr>\r\n </tbody>\r\n </table>\r\n </td>\r\n </tr>\r\n </
tbody>\r\n </table>\r\n </td>\r\n </tr>\r\n </tbody>\r\n </table>\r\n </
td>\r\n </tr>\r\n </tbody>\r\n </table>\r\n <table class=\"ReadMsgBody\" st-
yle=\"width: 100% !important; table-layout: fixed; background-
color: #333333;\" border=\"0\" cellspacing=\"0\" cellpadding=\"0\" align=\"cen-
ter\">\r\n <tbody>\r\n <tr>\r\n <td style=\"padding: 0 15px 50px 15px; backgro-
und-
color: #333333;\" align=\"center\" bgcolor=\"#333333\">\r\n <table class=\"res-
ponsive-table\" style=\"width: 600px; background-
color: #333333;\" border=\"0\" cellspacing=\"0\" cellpadding=\"0\" align=\"cen-
ter\">\r\n <tbody>\r\n <tr>\r\n <td class=\"padding-
copy appleBody\" style=\"padding: 20px 0 0 0; background-color: #333333; font-
size: 14px; line-height: 25px; font-family: Helvetica, Arial, sans-
serif; color: #cccccc;\" align=\"left\">\r\n <p>This email was sent to {person
alemail}</p>\r\n <p>You can remove yourself from our list by <a style=\"color
: #cccccc;\" href=\"http://192.168.1.4/SpinnakerPro//run/00.aspx?m={smid}\">cl-
icking here</a>.</p>\r\n </td>\r\n </tr>\r\n </tbody>\r\n </table>\r\n <
/td>\r\n </tr>\r\n </tbody>\r\n </table>\",
        "HTMLMessageWidth": 650,
        "HTMLMessageBorderStyle": "",
        "TextMessage": "",
        "StyleSheet": ""
    },
    "Segment": {
```

```
        "CampaignId":0,
        "SegmentName":"","
        "SegmentType":20,
        "Description":"Seed Segment",
        "MultiStep":false,
        "Restricted":false,
        "ActiveOnly":true,
        "CustomRule":[
            {
                "LeftCondition":0,
                "LeftFunction":"","
                "Field":"personalemail",
                "Condition":"=",
                "RightFunction":"","
                "Value":"rcoady@gmail.com",
                "RightCondition":0,
                "AndOrNext":0
            }
        ],
        "RuleSeedList":"rcoady@gmail.com",
        "RuleImportName":"TestSeed",
        "ExtLinkId":""
    },
    "Broadcast":{
        "CampaignId":0,
        "SegmentId":0,
        "DesignHtmlId":"00000000-0000-0000-0000-000000000000",
        "DesignTxtId":"00000000-0000-0000-0000-000000000000",
        "ExtLinkId":"","
        "Subject":"Test API Subject",
        "MsgType":0,
        "PageId":"00000000-0000-0000-0000-000000000000",
        "PageIdTxt":"00000000-0000-0000-0000-000000000000",
        "FromEmail":"test@sensorpro.net",
        "ReplyTo":"","
        "ReturnPath":"","
        "MailEncoding":"UTF8",
        "ExecuteOnUTCFormat":"2016-03-16T15:54:56.4339611Z",
        "ExecuteBroadcast":true
    },
    "Options":null
}
```

## RESPONSE OUTPUT

LoginReponse (Object)

- List of Id's. These are required if you plan to update an existing campaign
  - Campaign Id
  - Segment Id
  - Broadcast Id
  - Design Id Html
  - Design Id Text
- Result (object - determine the success or failure of a service call)

```
{
  "CampaignId":13,
  "SegmentId":30,
  "BroadcastId":1,
  "DesignIdHTML":"52c78e3c-f7d7-44c4-9a0e-cff00f918d58",
  "DesignIdTXT":"00000000-0000-0000-0000-000000000000",
  "Result":{
    "RequestId":"b0c01cbe-e850-4dca-b338-7a7d199fb13f",
    "ErrorMessages":[

    ],
    "StatusMesssages":[

    ],
    "TotalStatusMessages":0,
    "TotalErrors":0
  }
}
```

## GETBROADCASTSTATUS

Login must be executed before any other service is executed. This establishes your identification for subsequent requests. The session will time out if the token is not used. This call returns the status of all broadcasts in this specified campaign.

### GETBROADCASTSTATUS ENDPOINT:

- POST: [https://apinie.sensorpro.net/api/Campaign/GetBroadcastStatus/\[Token\]](https://apinie.sensorpro.net/api/Campaign/GetBroadcastStatus/[Token])
  - [Token] - replace with the access token returned by the login.
- Header Values:

Header	Example	Description
Content-Type	Content-Type: application/json;	

### KEY INPUT PARAMETERS

```
{
  "CampaignId":12
}
```

### RESPONSE OUTPUT

List of broadcasts with their statuses and a link to the broadcast log

- Result (object - determine the success or failure of a service call)

```
{
  "BroadcastStatusList": [
    {
      "LogLink": "http://localhost:50026/Admin/Logmain.aspx?FunctionId=&LogKey1=12&LogKey2=1",
      "Status": -10,
      "Subject": "TEST API SUBJECT 1",
      "BroadcastId": 1
    }
  ],
  "Result": {
    "RequestId": "00000000-0000-0000-0000-000000000000",
    "ErrorMessages": [
    ],
    "StatusMessages": [
    ],
    "TotalStatusMessages": 0,
    "TotalErrors": 0
  }
}
```

## GETCAMPAIGNRESULTS

Login must be executed before any other service is executed. This establishes your identification for subsequent requests. The session will time out if the token is not used. This call will return the current results for the selected campaign. These results will correspond to the results on the campaign dashboard.

GETCAMPAIGNRESULTS ENDPOINT:

- POST: [https://apinie.sensorpro.net/api/Campaign/GetCampaignResults/\[Token\]](https://apinie.sensorpro.net/api/Campaign/GetCampaignResults/[Token])
  - [Token] - replace with the access token returned by the login.
- Header Values:

Header	Example	Description
Content-Type	Content-Type: application/json;	

## KEY INPUT PARAMETERS

```
{
  "CampaignId": 12
}
```

## RESPONSE OUTPUT

Result Object (object - determine the success or failure of a service call)

```
{
  "CampaignOptOut":0,
  "TotalOpenedEMail":0,
  "TotalEMailsSent":0,
  "TotalBounced":0,
  "TotalImpressions":0,
  "TotalTAF":0,
  "TotalUnOpenedEMail":0,
  "TotalURLUniqueOpens":0,
  "TotalSpamPerOfSent":0.0,
  "TotalOpenedEMailPerOfSent":0.0,
  "TotalBouncedPerOfSent":0.0,
  "CampaignOptOutPerOfSent":0.0,
  "TotalURLUniqueOpensPerOfSent":0.0,
  "PurgedCampaign":false,
  "Result":{
    "RequestId":"77443488-c05a-416f-ba36-49853fef399",
    "ErrorMessages":[
      {
        "Code":"SessionNotFound",
        "Description":"Session not found or has expired login again to
create a new session.",
        "Sequence":0
      }
    ],
    "StatusMessages":[
    ],
    "TotalStatusMessages":0,
    "TotalErrors":1
  }
}
```

Type	Field	Description
long	CampaignOptOut	Optout Count
long	TotalOpenedEMail	Count of uniquely opened emails
long	TotalEMailsSent	Count of emails sent
long	TotalBounced	Count of bounced emails
long	TotalImpressions	Count of impressions
long	TotalTAF	Refer a friend count
long	TotalUnOpenedEMail	Unopened email count
long	TotalURLUniqueOpens	URL click through count

long	TotalSpamReports	Spam count
decimal	TotalSpamPerOfSent	Spam reports as percent of sent
decimal	TotalOpenedEMailPerOfSent	Opens as percent of sent emails
decimal	TotalBouncedPerOfSent	Bounced as percent of sent emails
decimal	CampaignOptOutPerOfSent	Opt outs as percent of sent
decimal	TotalURLUniqueOpensPerOfSent	Opens as percent of sent emails
bool	PurgedCampaign	Is campaign purged

## ADD/UPDATE CONTACT & TRIGGER EMAIL

Login must be executed before any other service is executed. This establishes your identification for subsequent requests. The session will time out if the token is not used. Trigger an email for a contact, the contact will be added if it does not exist. This function requires a triggered email campaign to be setup, in advance.

### TRIGGEREMAIL ENDPOINT:

- POST: [https://apinie.sensorpro.net/api/Campaign/triggerEmail/\[Token\]](https://apinie.sensorpro.net/api/Campaign/triggerEmail/[Token])
  - [Token] - replace with the access token returned by the login.
- Header Values:

Header	Example	Description
Content-Type	Content-Type: application/json;	

Aggressive

### KEY INPUT PARAMETERS

- **CampId:** required, this can be got from the triggered email campaign
- **BroadcastId:** required, the broadcast which will be sent
- **ApiKey:** required, this can be got from the triggered email campaign
- **Delay:** optional, delay before email is sent
- **ContactData:** required, minimum value is "personalemail"
- **NamedParameters** optional, allow you to pass data through to the email design. For example, if you have an invoice number which you want to pass through to the email design, you could create a named pair parameter called "Invoice". This can be referenced on the email design with {Invoice} - the value will be substituted in as the email is sent out. Note: emails which use named parameters should not include a view in browser link. As the data being passed forward is transient, it will not be available after the email is sent.

```
{
  "CampId": "61db6bb6-fe49-460a-9fd2-a380b10567b6",
  "BroadcastId": 1,
  "APIKey": "5f9b1bb2-1850-42a6-a6f7-7848b8d3708d",
  "Delay": 0,
  "ContactData": {
    "Title": "",
    "FirstName": "Richard",
    "LastName": "",
    "Name": "",
    "Gender": "",
    "DateOfBirth": "0001-01-01T00:00:00",
    "DateOfLastPurchase": "0001-01-01T00:00:00",
    "PersonalEmail": "johnsmith@mydomain.com",
    "OriginalEmail": "",
    "PersonalEmail1": "",
    "BusinessEmail": "",
    "BusinessEmail1": ""
  }
}
```



```
"PhoneHome":"","  
"PhoneBusiness":"","  
"PhoneMobile":"","  
"Pager":"","  
"BusinessFax":"","  
"HomeFax":"","  
"PhoneOther":"","  
"PerStreet":"","  
"PerStreet1":"","  
"PerCity":"","  
"PerState":"","  
"PerZip":"","  
"PerCountry":"","  
"BusName":"","  
"BusStreet":"","  
"BusStreet1":"","  
"BusCity":"","  
"BusState":"","  
"BusZip":"","  
"BusCountry":"","  
"BusWebSite":"","  
"GroupByIndustry":"","  
"GroupBy1":"","  
"OtherPhone":"","  
"GroupBy2":"","  
"GroupBy3":"","  
"LastUpdatedById":0,  
"LastUpdatedByUser":"","  
"ContactRating":0,  
"Password":"","  
"MessagePreference":"HTML",  
"SyncDate":"2016-03-02T18:32:40.7456805+00:00",  
"ExtLinkId":"","  
"JobTitle":"","  
"Categories":[  
  
],  
"CategoriesUnselected":[  
  
],  
"OptOut":0,  
"SMSSOptOut":0,  
"OrginalOptOut":0,  
"MapId":-1,  
"ImportId":"e8b1db11-c6fe-4aed-980f-d6752ab6d92a",  
"ImportName":"","
```

```
"ExtLinkIdNum": -1,
"ExtLinkIdGuid": "00000000-0000-0000-0000-000000000000",
"ExtLinkIdNumField": "",
"ExtLinkIdField": "",
"ExtLinkIdGuidField": "",
"Status": 0,
"SMSStatus": 0,
"ReferredById": 0,
"InfFix": "",
"LastBroadCastDate": "0001-01-01T00:00:00",
"LastReponseDate": "0001-01-01T00:00:00",
"TotalBroadCasts": 0,
"TotalResponses": 0,
"UserChar2": "",
"UserChar3": "",
"UserChar4": "",
"UserChar5": "",
"UserChar6": "",
"UserChar7": "",
"UserChar8": "",
"UserChar9": "",
"UserChar10": "",
"UserChar11": "",
"UserChar12": "",
"UserChar13": "",
"UserChar14": "",
"UserChar15": "",
"Date1": "0001-01-01T00:00:00",
"Date2": "0001-01-01T00:00:00",
"Date3": "0001-01-01T00:00:00",
"Date4": "0001-01-01T00:00:00",
"Date5": "0001-01-01T00:00:00",
"Num1": 0,
"Num2": 0,
"Num3": 0,
"Num4": 0,
"Num5": 0
},
"NamedPairsParameters": {
  "Invoice": "IV00101120",
  "Body": "<p style=\"font-size:25\\>Test Content</p>"
}
}
```

#### RESPONSE OUTPUT

- Token (login token)

- Campaign ID (integer)

Example Request:

#### KEY INPUT PARAMETERS

```
{
  "CampaignId":12
}
```

#### RESPONSE OUTPUT

Result Object (object see determine the success or failure of a service call)

```
{
  "CampaignOptOut":0,
  "TotalOpenedEMail":0,
  "TotalEMailsSent":0,
  "TotalBounced":0,
  "TotalImpressions":0,
  "TotalTAF":0,
  "TotalUnOpenedEMail":0,
  "TotalURLUniqueOpens":0,
  "TotalSpamPerOfSent":0.0,
  "TotalOpenedEMailPerOfSent":0.0,
  "TotalBouncedPerOfSent":0.0,
  "CampaignOptOutPerOfSent":0.0,
  "TotalURLUniqueOpensPerOfSent":0.0,
  "PurgedCampaign":false,
  "Result":{
    "RequestId":"77443488-c05a-416f-ba36-49853fef399",
    "ErrorMessages":[
      {
        "Code":"SessionNotFound",
        "Description":"Session not found or has expired login again to
create a new session.",
        "Sequence":0
      }
    ],
    "StatusMessages":[
    ],
    "TotalStatusMessages":0,
    "TotalErrors":1
  }
}
```

#### GET QUEUED CAMPAIGN METRICS:

This api will retrieve metrics which have been queued for export. That means that Export integration must be active. When integration is active metric clicks are queued in a file waiting to be picked up by this api call. To enable select

Admin | Setup | System Settings | “FTP/ODBC” tab select “Integration Active”. As metrics come in records will be written to the export queue.

Login must be executed before any other service is executed. This establishes your identification for subsequent requests. The session will time out if the token is not used. Create a campaign.

#### GETMETRICSFROMQUEUE ENDPOINT:

- POST: [https://apinie.sensorpro.net/api/Campaign/GetMetricsFromQueue/\[Token\]](https://apinie.sensorpro.net/api/Campaign/GetMetricsFromQueue/[Token])
  - [Token] replace with the access token returned by the login.
- Header Values:

Header	Example	Description
Content-Type	Content-Type: application/json;	

#### KEY INPUT PARAMETERS

- `GetMetrics` (Object)
  - **Paging** optional id to link campaign to your system.
    - **Page** This api call returns the data a page at a time. This indicates which page to get. If paging through the complete data set increase the page count by one until no more data is returned.
    - **PageSize** This indicates how many contacts to return at a time.
  - **Fields** list of fields to return, blank will return all fields
  - **MetricType**:
    - -2 open email metric
    - 0 microsite click
    - 60 url click
    - 40 unsubscribe and opt back in
    - 70 bounce emails and un-bounce emails
    - 170 category unsubscribe and category opt back in
    - 230 sms unsubscribe and opt back in

```
{
  "Paging":{"Page":1,"PageSize":1,"Options":{"Action":""}},
  "Fields":["personalemail","exlinkid"]},
  "MetricType":-2
}
```

#### RESPONSE OUTPUT

Return values

- Array of metric results containing:
  - **ContactData**: Contains the contact record which the metric applies to. Only the fields will be populated which were passed forward in the request.
  - **Subject**: Email subject line
  - **URL**: Will be populated inly if metric click
  - **Date**: Date the metric was registered
  - **MessageId** Message Id

- Metric Type:      Contains the following:
  - OpenEmail              open email metric
  - UrlClick                url click
  - OptBackIn              email opt back in
  - OptOut                  email opt out
  - Bounced                bounced email
  - Active                   email un-bounced
  - CatOptIn                category opt in
  - CatOptOut               category optout
  - SMSOptOut              sms opt out
  - SMSOptBackIn          sms opt back in
  - ClickToMicroSite      click to micro site

```
{
  -"MetricResults": [1]
    -0: {
      -"contactData": { ... }
      "Subject": "Sitecore test"
      "URL": ""
      "BroadcastId": "na"
      "Date": "2016-07-27"
      "MessageId": "19"
      "MetricType": "OpenEmail"
    }
  -"Result": {
    "RequestId": "9e269745-49f4-439a-ade2-fd02e3b2c648"
    "ErrorMessages": [0]
    "StatusMessages": [0]
    "TotalStatusMessages": 0
    "TotalErrors": 0
  }
}
```

---