Developer's CRM Integration Document

Overview

This document describes the steps for technical integration process between Developers CRM and Housing Servers for enabling lead delivery into CRM. This document is covered in two sections. Section I covers the API provided to you and Section II covers workflow and other details.

Section I:

- **API URL**
  https://leads.housing.com/api/v0/get-builder-leads

- **API Type**
  GET

- **Request Parameters to be provided to Housing.com**

Parameters	Type	Description	Sample Value
start_date (Mandatory)	String	Start date starting from which you want to fetch leads. It should be provided in standard Epoch time. Check this for further reference.	1467893596
end_date (Mandatory)	String	End date till which you want to fetch leads. It should be provided in standard Epoch time. Check this for further reference.	1467893594
current_time (Mandatory)	String	Current Time of your server.. It should be provided in standard Epoch time. Check this for further reference.	146739354

hash (Mandatory)	String	This is encrypted value of current_time using key (provided by us) using algorithm as described above. Check Section II for encryption technique.	rgr334343rfe3
id (Mandatory) (Id)	String	Unique Id provided by us on registration. This is not secret.	4544

- **Return Parameters provided by Housing.com**

1. **Status Code : 200**
   If everything is OK and there are no errors

Variable	Type	Description	Sample Value
lead_name	String	Name of the lead	Akshay
lead_phone	String	Phone number of lead	987654321
lead_email	String	Email of the lead (can be empty)	akshay.khare@housing.com or null
project_id	Integer	Project ID on which lead was given	1233
project_name	String	Name of the Project on which lead was given	ABC Projects
locality	String	Locality of the project on which lead was given	Powai
lead_date	String	Date on which lead was given. This will be in Epoch Time	143534543

2. Status Code : 422

   If any of the mandatory request parameters are missing or are not provided in required format.

2. Status Code : 401

   If request made by you is not authorized. This can occur in case of hash mismatch or if request
. took more than 15 mins to hit our servers.

Section II:

- **Workflow**

   1. We will provide you with a unique API key (Say K) which should be stored only in secret files in servers and should not be present in part of code that is available on any version control systems. **[THIS KEY SHOULD NEVER BE SHARED WITH ANYONE].**
   2. You will have to use hmac sha(256) encryption method to use K with your current timestamp (Say T) to generate a Hash (say H)
   3. Hit the Api with this Hash and parameters and you will get leads for given time range in the format as described in Section II.
   4. Any Request where Hash is wrong or which is delayed will be denied by our servers.(Delayed request are defined below)
   5. Before integrating with this API we will provide you with a unique ID for your account (say Id).

- **Generating Hash**
   Hash Generation algorithm we are using is **SHA256 HMAC** which globally well known algorithm. To need help with implementation, feel free to call us or use Google to find desired function library for your implementation. An example code is mentioned below for ruby programming:

   Key = K , Current Time-Stamp = T (Both K and T are string as mentioned above)

   Hash(H) = OpenSSL::HMAC.hexdigest(OpenSSL::Digest.new('sha256'), K , T)

- **Delayed Request**
   Any request which is taking more than 15 min to hit our servers will be denied. How we check delayed request? You will send your current timestamp at which request was made say T (Which you will pass in request parameters). Time when this request reaches our server is T1. If difference of T and T1 is more than 15 mins we will consider this as delayed request.