Address APIs User - Guide

FOR NATIONAL ADDRESS DATA API'S PROJECT

National Address integration APIs, June 08 2023

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Introduction

This document explains the National Address (NA) APIs and the way it can be consumed by National Address clients. The NA APIs creation mainly derived from our agreement and understanding of the business process and the required data needed to be exchange in order to satisfy the business need for all parties involved in this project.

In this document:

MUST means that the requirement is an absolute mandatory requirement.

MUST NOT means that the requirement absolutely prohibited.

SHOULD means that if the requirement cannot be fulfilled out-of-the-box, some other means of fulfilling the requirement should be devised, e.g. by customization or by integrating with another product that can fulfill the functionality.

MAY means that the requirement is optional.

National Address Integration Services (APIs)

Address APIs

Service Description

Lookup Regions

The KSA Regions API returns list of regions in KSA region along with region id, name. You can decide to use Json or XML as an output format in addition to language of your choice from Arabic or English.

Service URLs

Production Environment:

https://apina.address.gov.sa/NationalAddress/v3.1/lookup/regions?language=E&format=json&encode=utf8

Service Methods

Lookup Regions *Method(GET)*

Input Parameters

Parameter Name	Mandatory	Data Type	Description
language	Optional ('A' or 'E')	String	It is an optional input. Our API can provide response in Arabic or English with Arabic being the default language.
format	Optional ('json' or 'xml')	String	It's an optional input. We currently support output for API's in two formats Json and XML. You will be required to specify in which format you need response, default is Json.
encode	Optional ('utf8' or 'windows1256')	String	By default response is in windows-1256. Pass "utf8" as input parameter to get utf-8 charset.

Sample Request:

https://apina.address.gov.sa/NationalAddress/v3.1/lookup/regions?language=E&format=json&encode=utf8

Output Parameters

Parameter Name	Mandatory	Data Type	Description
Regions	Mandatory	Object	
Id	Mandatory	Numeric	ID of region by which it's recognized in the system. This ID can be used as input for other API's like Lookup Cities.
Name	Mandatory	String	Name of the region as in national address register.
Cities	Optional	Object	
Districts	Optional	Object	
ZipCodes	Optional	Object	
ServiceCategories	Optional	Object	
ServiceSubCategories	Optional	Object	
success	Mandatory	Boolean	This represents success or failure of the request itself (true/false)
result	Optional	Object	
statusdescription	Optional	String	This provides a description of the current status, validation messages or error messages, if any.
fullexception	Optional	String	

Sample Response 1 (Success case):


```
{
  "Regions": [
    {
      "Id": "13",
      "Name": "Jawf"
    },
    {
      "Id": "12",
      "Name": "Bahah"
    },
    {
      "Id": "11",
      "Name": "Najran"
    }
  ],
  "Cities": null,
  "Districts": null,
  "ZipCodes": null,
  "ServiceCategories": null,
  "ServiceSubCategories": null,
  "success": true,
  "result": null,
  "statusdescription": "SUCCESS",
  "fullexception": null
}
```


Sample Response 2 (Failure case):


```
{
  "Regions": null,
  "Cities": null,
  "Districts": null,
  "ZipCodes": null,
  "ServiceCategories": null,
  "ServiceSubCategories": null,
  "success": false,
  "result": null,
  "statusdescription": "NO-RESULTS",
```

```
  "fullexception": null
}
```

Error Handling

HTTP Status Code	Scenario	Error Code
401	Access denied due to invalid subscription key.	
403	Total limit for calls under your subscription has been reached.	
404	The endpoint or resource your application is trying to reach doesn't exist.	
500	There was an error on the server while processing the request.	
503	Service unavailable.	