

****

**Integration Guide**

%service\_name%

Contract Code: %contract\_code%

Contract Name:

%contract\_nameEn%   
(%contract\_nameAr%)

Version %ig\_version%



**Document version**

|  |  |  |  |
| --- | --- | --- | --- |
| Version | Date | Written By | Comments |
| %ig\_version% | %date% | %written\_by% | Create new IG |

Table of Contents

[**1.** Introduction 3](#_Toc101317403)

[**2.** Method of Communication 3](#_Toc101317404)

[**3.** Authentication | Authorization 3](#_Toc101317405)

[**3.1** API Token Information: 3](#_Toc101317406)

[**4.** [API]: %service\_name% 4](#_Toc101317407)

[**4.1** API URL 4](#_Toc101317408)

[**4.2** API Request DTO 4](#_Toc101317409)

[**4.3** API Response DTO 5](#_Toc101317410)

[**4.4** API Error Codes 6](#_Toc101317411)

[**4.5** API Swagger 6](#_Toc101317412)

# Introduction

This document aims to provide a quick integration guide to understand how to integrate with National Information Center API. This document can be used in testing and production environment.

# Method of Communication

The method of communication between the National Information Center and the client will be via a **Representational State Transfer (REST)** API using JSON message format for the payload.

# Authentication | Authorization

API uses a **Bearer Token** for Authentication. The client must call AuthServer to get access token.

## API Token Information:

|  |  |
| --- | --- |
| Name | Value |
| Auth – Development URL | https://authdev.nic/oauth/token |
| Auth – Testing URL | https://authtst.nic/oauth/token |
| Auth – Production URL | https://auth.nic/oauth/token |
| HTTP Method | POST |

Samples:

|  |  |
| --- | --- |
| Request Sample | Response Sample |
| {      "username": "<ContractUserName>",      "password": "<ContractPassword>",      "grant\_type": "password"  } | {      "access\_token": "ChPBD9TN22hIFdzKeSL6YG4205x3PqoU4Scz7d-LJQ",      "issued\_at": "2022-05-13T09:05:21.6006527+03:00",      "expires\_in": 86400,      "expires\_on": 1631599521600,      "expires\_on\_date": "2022-05-14T09:05:21.6006527",      "token\_type": "Bearer"  } |

The access token will be sent in the **Authorization**  header when making requests to API. Format of Authorization header:

Authorization: Bearer <access\_token>

Authorization: Bearer ChPBD9TN22hIFdzKeSL6YG4205x3PqoU4Scz7d-LJQ

# [API]: %service\_name%

This API is used to %service\_desc%

## API URL

|  |  |
| --- | --- |
| Name | Value |
| **%name%** | %value% |

## API Request DTO

DTO: *%service\_name%Req*

Contains the below Parameters**:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter (En)** | **Parameter (Ar)** | **Data Type** | **Description (Ar/En)** |
| **%prop\_name%** | %prop\_nameAr% | %data\_type% | **%prop\_descEn%**  %prop\_descAr% |

**\* Mandatory field.**

## API Response DTO

DTO: *%service\_name%Res*

In case of successful operation, the service will return HTTP response code 200 (OK) with a body containing the below parameters:

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter (En)** | **Parameter (Ar)** | **Data Type** | **Description (Ar/En)** |
| **%prop\_name%** | %prop\_nameAr% | %data\_type% | **%prop\_descEn%**  %prop\_descAr% |

## API Error Codes

In case of failure, API returns the below errors:

|  |  |  |
| --- | --- | --- |
| HTTP Status code | Status Code | Error Message |
| **500** | 500 | **Please contact NIC** |
| **400** | 4200 | **Invalid Operator ID**  رقم المشغل غير صحيح |
| **%http\_status\_code%** | %error\_code% | **%error\_messageEn%**  %error\_messageAr% |

## API Swagger

API swagger describes the structure of the APIs and help you to run the API in the browser, no need to install any tool (such as Postman):

|  |  |
| --- | --- |
| Name | Value |
| **Swagger – Development URL** | https://gwsdev.nic/NIC/%contract\_code%/ |
| **Swagger – Testing URL** | https://gwstst.nic/NIC/%contract\_code%/ |
| **Swagger – Production URL** | https://gws.moi/NIC/%contract\_code%/ |