

**Allsec API Integration – Sample Document**

Version 1.0

Created By Allsec IT

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Contents

[1. Introduction 3](#_Toc37275686)

[2. Request URL 3](#_Toc37275687)

[3. Parameters 3](#_Toc37275688)

[3.1. Input parameters 3](#_Toc37275689)

[4. API Integration 3](#_Toc37275690)

[5. Request 4](#_Toc37275691)

[5.1. API URL 4](#_Toc37275692)

[5.2 Header 4](#_Toc37275693)

[5.3 Request Authentication 4](#_Toc37275694)

[5.3.1 Authentication parameters example: 4](#_Toc37275695)

[5.4 Endpoint input parameters example 5](#_Toc37275696)

[6 Response 5](#_Toc37275697)

[6.1 Response format: 5](#_Toc37275698)

[6.1.1 Sample JSON Response 5](#_Toc37275699)

[6.2 Common response codes: 6](#_Toc37275700)

# Introduction

API, designed as per business rules shall return a response for each request sent by the way of a status code and message, post checking for integrity of data and validation. The responses shall denote if the record was processed successfully or not, in case there is an issue with the record, the API shall indicate it with a response code denoting the issue.

This document is intended for server-side developers and explains how the API can be consumed at their end to push the data to Allsec.

# Request URL

|  |  |
| --- | --- |
| **Platform** | **URL** |
| End Point | https://www.allsechro.com/XXXAPI/ |

# Parameters

# Input parameters

|  |  |  |
| --- | --- | --- |
| **Field** | **Parameter Name** | **Description** |
| Endpoint input parameter | (Naming will be based on requested API endpoint.  Refer the individual API) | These will be the json string of parameters required to  Process data. |
| Sample UAT URL : -  https://www.allsechro.com/XXXAPI/**EmpInfo/ClientPush** | | |

# API Integration

Allsec API Service can be called by following steps

|  |  |
| --- | --- |
| **Base URL** | Base URL |
| **Endpoint** | /endpoint name **{** /EmpInfo/ClientPush **}** |
| **JSON data**  **Request format** | Authentication Token(CKEY)   JSON string of access token   RSA / PGP Crypto algorithm can be used for encryption and the public key will be shared by Allsec.   Encrypted data should be converted to base64 string.  This will be JSON string of input parameters |
| **Content-Type** | Application/Json |
| **Method** | POST |

# Request

The following shows the example of request for endpoint.

# API URL

BaseUrl/Endpoint

Sample UAT URL: https://www.allsechro.com/XXXAPI/**EmpInfo/ClientPush**

# Header

Client-Application: XXX\_INBOUND\_UAT / XXX\_INBOUND\_PROD

Content-Type: application/json

# Request Authentication

The authentication parameters are required to be sent with every request.

|  |  |  |
| --- | --- | --- |
| **Field** | **Parameter Name** | **Description** |
| Client Code | ClientID | Unique client id provided by Allsec |
| Secret Token | secret\_token | Unique token provided by Allsec |
| Timestamp | time\_stamp | Unix timestamp (IST).  This will be valid for 5 minutes. |

# Authentication parameters example:

{

"clientID":"1",

"secret\_token":"QUNDRU5UVVJF",

"time\_stamp":"1549979824"

}

The above should be encrypted by RSA / PGP public key shared by Allsec and be base64 encoded and then should be sent in the CKEY parameter of the input.

# Endpoint input parameters example

**ClientPush:**

{

“CKEY” : “”

"INPUT\_TYPE" :"EMP\_NEW\_JOINEE ",

"DATA" :[{

"C1":"0001",

"C2":"XXXX",

"C3":"CATEGORY"

}],

"ROW\_COUNT" :1,

"COLUMN\_COUNT”:3

}

# Response

# Response format:

The response against any api request is shown below:

|  |  |  |
| --- | --- | --- |
| **Response Field** | **Parameter Name** | **Description** |
| ErrorMessage | ErrorMessage | Short information about response. |
| Status | Status | Return Success or Failure for the api request. |
| Code | StatusCode | This is response code generated against specific api request. |

# Sample JSON Response

{

"errorMessage": "",

"status": "SUCCESS",

"statusCode": 100

}

# Common response codes:

These are the general response code against any api request call.

|  |  |
| --- | --- |
| **Code** | **Description** |
| 404 | Bad request |
| 501 | Exception - Invalid request or param mismatch(input type/row count/column count) |
| 502 | No data to insert |
| 503 | Bad Request |
| 504 | Bad header request |
| 505 | Invalid input type |
| 506 | Invalid user name  or password |
| 507 | Row count and data count mismatched |
| 508 | Unable to connect with Allsec server |
| 509 | Unable to insert data in Allsec db |
| 510 | Partially processed |
| 511 | Ip address not authorized |
| 512 | Invalid authorization parameter |
| 100 | Success |

# 