

Core Middleware

External Entity Integration Document

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Introduction

The purpose of this document is to describe how to integrate client side applications with GDIC Core Insurance services.

Scope

Following GDIC retail product can be integrated with client side application using Core Middleware

→ **Business & Holiday (B&H)**

API Communication Model

Core Middleware is designed to accept service request in **JSON** format over **HTTP**. JSON message is the body of **HTTP-POST** request. Once the request is processed, response is also provided in **JSON** format. Please note that **content type and basic authentication** must be provided in the HTTP-POST header.

Access Information

URL: <http://202.51.182.118:7575/doCommand>

Content-Type: [application/json](#)

Authorization: [Basic dGVzdDokdGVzVEBobyM=](#)

Note: The URL and Authorization are subject to change, client side application should be flexible enough to Update URL and Authorization within short notification. URL and Authorization will vary from development -> Testing - > Production environment.

Business & Holiday (B&H)

Business & Holiday Request Format

Service	JSON format
Get Quote	<pre>{ "action": "get", "api": "productCalculation", "timestamp": "2020-07-11 13:17:55", "source": "core", "asyncReplyFlag": false, "replyAddress": "", "messageID": "9d166f02bc", "correlationID": "2ca0a858c6", "request": { "getQuote": { "productCode": "bnh", "promoCode": "", "age": 34.0, "dayStay": 14, "placeVisitCode": "D", "policyStartDate": "2020-08-17", "policyEndDate": "2021-08-16" } } }</pre>

Business & Holiday JSON Description

JSON Parameter	Data Type	Description
Action	<i>String</i>	Mandatory Parameter Purpose of API. Fixed Value: "get"
Api	<i>String</i>	Mandatory Parameter Name of API. Fixed Value: "productCalculation" for getting quotation result
Timestamp	<i>DateTime String</i>	Mandatory Parameter 2019-11-29 13:49:55 (yyyy-MM-dd HH:mm:ss)
Source	<i>String</i>	Mandatory Parameter

		From where API is requesting. First four character of Company name
asyncReplyFlag	Boolean	Optional Parameter Whether the API will be asynchronized or not (True/False)
replyAddress	String	Optional Parameter Reply URL if the API is asynchronized
messageID	String	Optional Parameter Unique ID of the message. Mandatory when request is async
correlationID	String	Mandatory Parameter The ID from which the request is sent will be same as the ID of response
productCode	String	Mandatory Parameter Fixed Value for Business&Holiday: "bnh"
promoCode	String	Optional Parameter Discount code (if applicable)
Age	float	Mandatory Parameter User input. Age of policy holder. Age will be calculated through DOB (Date of Birth) of policy holder as User input. Age range 18 - 59
dayStay	Integer	Mandatory Parameter User input. Total day will be calculated as per User input value of Policy start and end date Or Departure Date and Return Date. Day range 1 - 180
placeVisitCode	String	Mandatory Parameter User input. Please check Business&Holiday input table
policyStartDate	Only Date String	Mandatory Parameter User input. Policy start date
policyEndDate	Only Date String	Mandatory Parameter User input. Policy end date

Business & Holiday Input Table

Place of Visit List	Place of Visit Code (placeVisitCode)
Schengen Countries	C
Schengen Countries Including USA & Canada	F
World wide	G
World wide Including USA & Canada	J

Note: Place of Visit List will be shown in User interface as input value. Place of Visit Code will be mapped with Place of Visit List for parameter value of JSON request

Possible Remark responses

Remarks response JSON for success

- "remarks": "nib -> SumInsured: 50000"
- "remarks": "pac -> CoverType: D | ClassType: B"

Remarks response JSON for fail

- "remarks": "Mandatory Field Missing"
- "remarks": "Invalid Action Name"
- "remarks": "Invalid API Name"
- "remarks": "Invalid Product Name"
- "remarks": "Invalid productFor Value"
- "remarks": "Request processed failed"
- "remarks": "System Error"